



ATTACHMENT H
Agency Correspondence
(Additional Privileged Correspondence – Under Separate Cover)

**Spire STL Pipeline
Agency Correspondence Tracking List**

Agency Correspondence - Federal, State, Local Agencies, and Native American Tribes

Agency	Region/ Division	Contact Name	Address	City	State	Zip	Contact Phone	Contact Email	Permit/Clearance/ Approval	Date Sent	Response Type/ Date	Responding Contact	Correspondence
USACE	St. Louis District	David Meyer	1222 Spruce Street	St. Louis	MO	63103-2833	314.331.8810	david.p.meyer@usace.army.mil		8/3/2016	8/3/2016	Mr. Meyer	Meeting
										8/4/2016	8/8/2016	Mr. Meyer	Email
										8/5/2016			Open House Invitation Letter
										-	10/7/2016	Mr. Meyer	Email
										11/29/2016			Email
										12/13/2016	12/13/2016	Mr. Meyer	Meeting
										1/27/2017			Letter and NWP-12 Preconstruction Notification
										1/27/2017			Letter and NWP-12 Joint Permit Application
										3/28/2017			Supplemental Information Letter
										4/28/2017			Addendum to NWP-12 Joint Permit Application
										4/28/2017			Addendum to NWP12 Preconstruction Notification and Section 10 Letter of Permission Request
										5/25/2017			Email
										7/14/2017			Addendum II to NWP-12 Joint Permit Application
										7/14/2017			Addendum II to NWP-12 Preconstruction Notification and Section 10 Letter of Permission Request
										7/17/2017			Email with July FERC Supplement
										8/14/2017			Email with Notice of Schedule
										9/7/2017	9/7/2017	Mr. Meyer	Telephone and Email
										10/9/2017			Email with October FERC Supplement
										10/10/2017	10/10/2017	Mr. Meyer	Email and Telephone
										10/10/2017			Mitigation Plan
										12/11/2018	12/11/2018	Mr. Meyer	Email
										12/18/2017			Addendum III to NWP-12 Preconstruction Notification and Section 10 Letter of Permission Request
										12/18/2017			Addendum III to NWP-12 Joint Permit Application
										1/12/2018			Supplemental Information for Addendum III to NWP-12 Joint Permit Application
										-	1/30/2018	Mr. Meyer	Email
										2/5/2018			Email
										2/7/2018	2/7/2018	Mr. Meyer	Telephone and Email
										2/12/2018	2/13/2018	Mr. Meyer	Email
										2/16/2018	2/22/2018	Mr. Meyer	Email
										2/22/2018	2/22/2018	Mr. Meyer	Email
										2/23/2018	2/26/2018	Mr. Meyer	Email
										2/23/2018	2/24/2018	Mr. Gramke	Email
										3/5/2018	3/5/2018	Mr. Meyer	Email
6/21/2018	6/21/2018	Mr. Meyer	Telephone										
6/25/2018	6/26/2018	Mr. Meyer	Email										
7/2/2018			Addendum III to NWP-12 Preconstruction Notification and Section 10 Letter of Permission Request										
7/2/2018			Addendum III to NWP-12 Joint Permit Application										
7/11/2018			Email										

**Spire STL Pipeline
Agency Correspondence Tracking List**

Agency Correspondence - Federal, State, Local Agencies, and Native American Tribes

Agency	Region/ Division	Contact Name	Address	City	State	Zip	Contact Phone	Contact Email	Permit/Clearance/ Approval	Date Sent	Response Type/ Date	Responding Contact	Correspondence
USACE	St. Louis District	Keith McMullen	1222 Spruce Street	St. Louis	MO	63103-2833	314-331-8582	Keith.A.McMullen@usace.army.mil	USACE Illinois Section Chief	6/27/2016	6/27/2016		Meeting
										7/29/2016			Notice of Prefiling Letter
										8/5/2016			Open House Invitation Letter
										3/28/2017			Supplemental Information Letter
										8/14/2017			Email with Notice of Schedule
USACE	St. Louis District	Charlie Deutsch	1222 Spruce Street	St. Louis	MO	63103-2833	636-899-0082	charlie.deutsch@usace.army.mil	Biologist, Rivers Project Office	6/27/2016	6/27/2016		Meeting
										8/19/2016	8/23/2016	Mr. Deutsch	Email
										8/24/2016			Email
										6/27/2016	6/27/2016		Meeting
USACE	St. Louis District	Lynn Hoerner	1222 Spruce Street	St. Louis	MO	63103-2833	314-331-8157	melissa.l.hoerner@usace.army.mil	Real Estate Division	7/21/2016	7/21/2016	Ms. Hoerner	Telephone
										7/20/2016	7/21/2016	Ms. Hoerner	Email
										7/29/2016	7/29/2016	Ms. Hoerner	Email
										8/3/2016	8/3/2016	Ms. Hoerner	Meeting
										8/5/2016			Open House Invitation Letter
										8/11/2016	8/19/2016	Ms. Hoerner	Email
										8/19/2016			Letter
										9/1/2016			Email
										9/20/2016	9/20/2016	Ms. Hoerner	Email
										11/29/2016			Email
										1/27/2017			Real Estate Easement Documents
										2/27/2017			Supplemental Information
										3/28/2017			Supplemental Information Letter
										4/14/2017	4/17/2017	Ms. Hoerner	Email
USACE	St. Louis District	Lanny Pricer	1222 Spruce Street	St. Louis	MO	63103-2833	314-331-8157	Lanny.M.Pricer@usace.army.mil	Real Estate Division	-	5/24/2017	Mr. Pricer	Email
										7/17/2017			Email with July FERC Supplement
										-	8/10/2017	Mr. Pricer	Email
										8/14/2017	8/14/2017	Mr. Pricer	Email with Notice of Schedule; Email
										8/17/2017	8/17/2017	Mr. Pricer	Meeting
USACE	St. Louis District	Dr. Teri Allen	1222 Spruce Street	St. Louis	MO	63103-2833	614-331-8084	Teri.C.Allen@usace.army.mil		8/3/2016	8/3/2016		Meeting
										11/1/2016			CD of Draft Environmental Report
										11/29/2016			Email
										3/28/2017			Supplemental Information Letter
										4/25/2017			CD of Environmental Report
										8/8/2017			CD of July and August FERC Supplements
										8/17/2017	8/17/2017	Dr. Allen	Meeting
										10/9/2017			CD and Email of October FERC Supplement
										11/30/2017			Email
											6/12/2018	Dr. Allen	Email
											6/21/2018	Dr. Allen	Email
	6/21/2018		Voicemail										
	7/11/2018		Email										
USACE	FUSRAP	Susan Adams	1222 Spruce Street	St. Louis	MO	63103-2833	314-422-7205	Susan.L.Adams@usace.army.mil	FUSRAP	7/29/2016			Notice of Prefiling Letter
										8/5/2016			Open House Invitation Letter
USACE	St. Louis District	Jacob Prebianca	1222 Spruce Street	St. Louis	MO	63103-2833	314-731-7661	jacob.a.prebianca@usace.army.mil	FUSRAP	9/8/2016	9/13/2016	Mr. Prebianca	Email
										9/28/2016	9/28/2016	Mr. Prebianca	Telephone
										9/29/2016	10/6/2016	Mr. Prebianca	Email
										-	10/12/2016	Mr. Prebianca	Email
										3/28/2017			Supplemental Information Letter
										3/29/2017			Email
										8/14/2017			Email with Notice of Schedule
	12/21/2017		Email										

**Spire STL Pipeline
Agency Correspondence Tracking List**

Agency Correspondence - Federal, State, Local Agencies, and Native American Tribes

Agency	Region/ Division	Contact Name	Address	City	State	Zip	Contact Phone	Contact Email	Permit/Clearance/ Approval	Date Sent	Response Type/ Date	Responding Contact	Correspondence
USACE	St. Louis District	Jonathan Rankins	1222 Spruce Street	St. Louis	MO	63103-2833		Jonathan.F.Rankins@usace.army.mil		10/12/2016	10/12/2016	Mr. Rankins	Email
										3/28/2017			Supplemental Information Letter
										3/29/2017	3/29/2017	Mr. Rankins	Email
										3/29/2017	3/29/2017	Mr. Rankins	Email
										8/14/2017			Email with Notice of Schedule
										12/21/2017	12/28/2017	Mr. Rankins	Email
USACE	St. Louis District	Matthew Hunn	1222 Spruce Street	St. Louis	MO	63103-2833		Matthew.J.Hunn@usace.army.mil	Chief, Emergency Management	11/29/2016			Email
										5/25/2017	5/25/2017	Mr. Hunn	Email and Telephone
										6/14/2017			Email
										6/20/2017	6/20/2017	Mr. Hunn	Meeting
										8/17/2017	8/17/2017	Mr. Hunn	Meeting
										9/19/2017	9/19/2017	Mr. Hunn	Meeting
										11/2/2017	11/2/2017	Mr. Hunn	Meeting
										12/4/2017			Email
										12/17/2017	12/17/2017	Mr. Hunn	Conference Call
										USACE	St. Louis District - Missouri Section Chief	Robert S. Gramke	1222 Spruce Street
-	2/24/2018	Mr. Gramke	Email										
2/24/2018			Email										
USACE	Kansas City District	Michael Chapman	601 E 12th Street	Kansas City	MO	64106	816-389-3310	Michael.d.chapman@usace.army.mil	Missouri River Recovery Program	6/30/2016			Voicemail
										7/15/2016	7/15/2016	Mr. Chapman	Telephone
										7/29/2016			Notice of Prefiling Letter
										8/5/2016			Open House Invitation Letter
										3/28/2017			Supplemental Information Letter
										8/14/2017			Email with Notice of Schedule
USACE	St. Louis District	Jacki Wittenborn	1222 Spruce Street	St. Louis	MO	63103-2833	314-331-8183	Jackyn.C.Wittenborn@usace.army.mil		8/14/2017			Email with Notice of Schedule
										10/9/2017			Email with October FERC Supplement
										11/2/2017	11/2/2017	Ms. Wittenborn	Meeting
										11/21/2017	11/21/2017	Ms. Wittenborn	Conference Call
USACE	St. Louis District	Timothy Kennedy	1222 Spruce Street	St. Louis	MO	63103		Timothy.A.Kennedy@usace.army.mil	Real Estate Division	10/9/2017			Email with October FERC Supplement
										10/30/2017	10/30/2017	Mr. Kennedy	Conference Call
USACE	St. Louis District	Lieutenant Colonel Juan Ramon Mejia	1222 Spruce Street	St. Louis	MO	63103			Deputy District Commander	9/19/2017	9/19/2017	Lieutenant Colonel Mejia	Meeting
USACE	St. Louis District	John Peukert	1222 Spruce Street	St. Louis	MO	63103			Deputy for Programs and Project Management	9/19/2017	9/19/2017	Mr. Peukert	Meeting
USACE	St. Louis District	Chris Pulliam	1222 Spruce Street	St. Louis	MO	63103			General Counsel	9/26/2017	9/26/2017	Mr. Peukert	Telephone
USACE	St. Louis District	Mark Wunsch	1222 Spruce Street	St. Louis	MO	63103			Deputy General Counsel	9/19/2017	9/19/2017	Mr. Pulliam	Meeting
USACE	HQ	Tammi Conforti							Section 408	9/19/2017	9/19/2017	Mr. Wunsch	Meeting
USACE	Mississippi Valley Division	Joseph Redican	441 G Street NW	Washington	DC	20314	202-761-4523			10/10/2017	10/10/2017	Ms. Conforti	Conference Call
										11/8/2017	11/8/2017	Ms. Conforti	Conference Call
USACE	Mississippi Valley Division	Joseph Redican	441 G Street NW	Washington	DC	20314	202-761-4523			11/14/2017	11/14/2017	Mr. Redican	Conference Call
United States Fish and Wildlife ("USFWS")													
USFWS	Marion County Sub Office	Matthew Mangan	8588 Route 148	Marion	IL	62959	618-997-3344, ext. 340	matthew_mangan@fws.gov	Federal-listed species	6/3/2016	6/3/2016	Mr. Mangan	Telephone
										7/29/2016			Notice of Prefiling Letter
										8/5/2016			Open House Invitation Letter
										3/28/2017			Supplemental Information Letter
										8/14/2017			Email with Notice of Schedule

**Spire STL Pipeline
Agency Correspondence Tracking List**

Agency Correspondence - Federal, State, Local Agencies, and Native American Tribes

Agency	Region/ Division	Contact Name	Address	City	State	Zip	Contact Phone	Contact Email	Permit/Clearance/ Approval	Date Sent	Response Type/ Date	Responding Contact	Correspondence
USFWS	Rock Island Field Office	Kristen Lundh	1511 47th Avenue	Moline	IL	61265	309-757-5800	kristen_lundh@fws.gov	Federal-listed species	6/3/2016			Voicemail
										11/2/2016			Voicemail and Email
										11/7/2016	11/7/2016	Ms. Lundh	Telephone and Email
										12/29/2016			Email
										1/4/2017	1/4/2017	Ms. Lundh	Teleconference with FERC
										1/20/2017			Email
										1/25/2017			Email
										2/7/2017	2/17/2017	Ms. Lundh	Email and Telephone
										3/2/2017	3/6/2017	Ms. Lundh	Email
										3/8/2017	3/8/2017	Ms. Lundh	Email
										3/10/2017			Email
										3/22/2017	3/22/2017	Ms. Lundh	Email
										3/23/2017	3/23/2017	Ms. Lundh	Telephone
										3/24/2017			Letter and Study Plan
										4/4/2017			Email
										4/4/2017			Email and Draft Biological Assessment
										4/5/2017			Supplemental Information Letter
										4/13/2017	4/13/2017	Ms. Lundh	Conference Call
										4/13/2017			Email
										5/4/2017	5/4/2017	Ms. Lundh	Email
										5/5/2017	5/9/2017	Ms. Lundh	Email
										5/18/2017			Email
										5/23/2017			Email
										5/29/2017			Email
										6/1/2017	6/1/2017	Staff	Voicemail
										-	6/6/2017	Ms. Lundh	Email
										6/6/2017	6/6/2017	Ms. Lundh	Email
										6/6/2017	6/7/2017	Ms. Lundh	Email and Telephone
										-	6/12/2017	Ms. Lundh	Email
										6/13/2017			Email
										6/13/2017	6/16/2017	Ms. Lundh	Email
										6/16/2017	6/16/2017	Ms. Lundh	Email
										6/14/2017			Email
										6/28/2017			Email
										6/29/2017	6/29/2017	Ms. Lundh	Meeting
										7/13/2017	7/13/2017; 7/17/2017	Ms. Lundh	Email
										7/13/2017	7/13/2017	Ms. Lundh	Telephone
										7/14/2017			Species Survey Reports and Biological Assessment
										7/17/2017			Email with July FERC Supplement
										7/17/2017	8/15/2017	Ms. Lundh	Email with Survey Reports and Biological Assessment
										7/24/2017	8/4/2017	Ms. Lundh	Email
										8/10/2017	8/15/2017	Ms. Lundh	Email
										8/14/2017			Email with Notice of Schedule
										8/15/2017	8/15/2017	Ms. Lundh	Email
										9/1/2017			Species Survey Report
										10/9/2017			Email with October FERC Supplement
										10/12/2017	10/26/2017	Ms. Lundh	Email
										10/31/2017	10/31/2017	Ms. Lundh	Telephone
										11/3/2017	11/3/2017	Ms. Lundh	Telephone
										1/9/2018	1/9/2018	Ms. Lundh	Telephone
-	1/10/2018	Ms. Lundh	Email										
-	1/26/2018	Ms. Lundh	Email										
-	2/2/2018	Ms. Lundh	Email										
3/8/2018			Email										
3/20/2018	3/21/2018	Ms. Lundh	Email										
4/9/2018	4/11/2018	Ms. Lundh	Email										
8/2/2018	8/2/2018	Ms. Lundh	Telephone										

**Spire STL Pipeline
Agency Correspondence Tracking List**

Agency Correspondence - Federal, State, Local Agencies, and Native American Tribes

Agency	Region/ Division	Contact Name	Address	City	State	Zip	Contact Phone	Contact Email	Permit/Clearance/ Approval	Date Sent	Response Type/ Date	Responding Contact	Correspondence										
USFWS	Rock Island Field Office	Kraig McPeek	1511 47th Avenue	Moline	IL	61265	309-757-5800 ext. 202		Federal-listed species	6/8/2016	6/8/2016	Mr. McPeek	Telephone										
										6/8/2016	6/8/2016	Mr. McPeek	Email										
										7/8/2016	7/8/2016	Mr. McPeek	Meeting										
										7/29/2016			Notice of Prefiling Letter										
										8/5/2016			Open House Invitation Letter										
										8/12/2016	12/8/2016	Mr. McPeek	Consultation Letter and Letter Response										
										1/25/2017			Letter and Plant Survey Report										
										4/5/2017			Supplemental Information Letter										
										6/29/2017	6/29/2017	Mr. McPeek	Meeting										
										7/24/2017			Email										
										8/14/2017			Email with Notice of Schedule										
										-	10/26/2017	Mr. McPeek	Letter Filed with FERC										
										7/8/2016	7/8/2016	Mr. Allred	Meeting										
										8/2/2016	8/2/2016	Mr. Allred	Telephone and Email										
8/8/2016			Email																				
8/5/2016			Open House Invitation Letter																				
9/29/2016	9/30/2016	Mr. Allred	Letter and Email																				
10/11/2016	10/14/2016	Mr. Allred	Email																				
10/14/2016			Email																				
USFWS	Rock Island Field Office	Ryan Anthony	1511 47th Avenue	Moline	IL	61265				6/29/2017	6/29/2017	Mr. Anthony	Meeting										
USFWS	Two Rivers National Wildlife Refuge	Justin Sexton	HC 82, Box 107	Brussels	IL	62013	618-883-2524, ext. 24	justin_sexton@fws.gov	Federal-listed species and migratory birds	6/30/2016			Voicecall and Email										
										7/29/2016			Notice of Prefiling Letter										
										8/5/2016			Open House Invitation Letter										
USFWS	Columbia Field Office	Trisha Crabill	101 Park De Ville Dr, Suite A	Columbia	MO	65203	573-234-2132	trisha_crabill@fws.gov		9/29/2016			cc on Letter to Chase Allred										
										1/25/2017			Email										
										4/5/2017			Supplemental Information Letter										
										-	4/25/2017												
										7/14/2017			Species Survey Reports and Biological Assessment										
										7/17/2017			Email with July FERC Supplement										
										7/17/2017			Email with Survey Reports and Biological Assessment										
										8/14/2017			Email with Notice of Schedule										
										8/31/2017	9/6/2017	Ms. Crabill	Email with Survey Report										
										9/1/2017			Species Survey Report										
										10/9/2017			Email with October FERC Supplement										
										3/8/2018			Email										
										National Oceanic and Atmospheric Administration ("NOAA")													
										NOAA Fisheries	NOAA NEPA Coordinator		Office of General Counsel, 1315 East-West Highway, Room 15132	Silver Springs	MD	20910	301-713-9668	noaa.nepa@noaa.gov		7/29/2016			Notice of Prefiling Letter
										8/5/2016			Open House Invitation Letter										
										3/28/2017			Supplemental Information Letter										
										8/14/2017			Email with Notice of Schedule										
United States Environmental Protection Agency ("USEPA")																							
USEPA	Region 5, Acting Regional Administrator	Robert Kaplan	77 W. Jackson Blvd	Chicago	IL	60604	312-353-2000			7/29/2016			Notice of Prefiling Letter										
										8/5/2016			Open House Invitation Letter										
USEPA	Region 5 Environmental Impact Statements Contact	Virginia Laszewski	77 W. Jackson Blvd	Chicago	IL	60604	312-886-7501	Laszewski.virginia@epa.gov		9/16/2016	9/16/2016	Ms. Laszewski	Telephone										
										10/6/2016	10/6/2016	Ms. Laszewski	Telephone										
										-	10/6/2016	Ms. Laszewski	Email										
										10/12/2016			Email										
										11/1/2016			CD and Hardcopy of Draft Environmental Report										
										11/4/2016			Voicecall and Email										
										11/7/2016	11/7/2016	Ms. Laszewski	Telephone										
										12/29/2016			Email										
										3/28/2017			Supplemental Information Letter										
										4/25/2017			CD of Environmental Report										
										7/17/2017			Email with July FERC Supplement										
										8/8/2017			CD of July and August FERC Supplements										
										8/14/2017			Email with Notice of Schedule										
										10/9/2017			CD and Email of October FERC Supplement										

**Spire STL Pipeline
Agency Correspondence Tracking List**

Agency Correspondence - Federal, State, Local Agencies, and Native American Tribes

Agency	Region/ Division	Contact Name	Address	City	State	Zip	Contact Phone	Contact Email	Permit/Clearance/ Approval	Date Sent	Response Type/ Date	Responding Contact	Correspondence
USEPA	Region 5	Elizabeth Poole	77 W. Jackson Blvd	Chicago	IL	60604	312-353-2087	poole.elizabeth.epa.gov		10/6/2016	10/6/2016	Ms. Poole	Telephone
										7/29/2016			Notice of Prefiling Letter
USEPA	Region 7, Regional Administrator	Mark J. Hague	11201 Renner Blvd	Lenexa	KS	66219	913-551-7003			8/5/2016			Open House Invitation Letter
USEPA	Region 7 Environmental Impact Statements Contact	Joe Summerlin	11201 Renner Blvd	Lenexa	KS	66219	913-551-7029	Summerlin.joe@epa.gov		9/16/2016	9/16/2016	Mr. Summerlin	Telephone
										10/6/2016	10/6/2016	Mr. Summerlin	Telephone
										11/1/2016			CD of Draft Environmental Report
										3/28/2017			Supplemental Information Letter
										4/25/2017			CD of Environmental Report
										7/17/2017			Email with July FERC Supplement
										8/8/2017			CD of July and August FERC Supplements
										8/14/2017			Email with Notice of Schedule
10/9/2017			CD and Email of October FERC Supplement										
USEPA	Region 7	Althea Moses	11201 Renner Blvd	Lenexa	KS	66219	913-551-7649	Moses.Althea@epa.gov		9/30/2016	9/30/2016	Ms. Moses	Telephone
										10/4/2016	10/6/2016	Ms. Moses	Email
										10/6/2016	10/6/2016	Ms. Moses	Telephone
USEPA	Region 7	Tamara Freeman						Freeman.Tamara@epa.gov		10/6/2016	10/6/2016	Ms. Freeman	Telephone
United States Department of Agriculture ("USDA")													
Natural Resources Conservation Service ("NRCS") Offices													
NRCS	Illinois State Office	Ivan Dozier	2118 W. Park Court	Champaign	IL	61821	217-353-6600			7/29/2016			Notice of Prefiling Letter
										8/5/2016	8/10/2016	Mr. Dozier	Open House Invitation Letter; Letter Response
										3/28/2017			Supplemental Information Letter
NRCS	Scott County/ Winchester Field Office	Johanna Fuller	656 North Main	Winchester	IL	62694	217-742-9561, ext. 3	johanna.fuller@il.usda.gov		7/29/2016			Notice of Prefiling Letter
										8/5/2016			Open House Invitation Letter
										9/30/2016	9/30/2016	Ms. Fuller	Telephone
										1/24/2017			Email
										1/26/2017			Email
										3/28/2017			Supplemental Information Letter
8/14/2017			Email with Notice of Schedule										
NRCS	Greene County/Carrollton Field Office	Brad Behymer	R.R. 3, Box 129, Route 67 North	Carrollton	IL	62016	217-942-5464, ext. 3	Bradley.Behymer@il.usda.gov		7/29/2016			Notice of Prefiling Letter
										8/5/2016			Open House Invitation Letter
										10/3/2016	10/3/2016	Mr. Behymer	Telephone
										10/5/2016	10/5/2016	Mr. Behymer	Telephone
										10/5/2016			Email
										10/12/2016	10/13/2016	Mr. Behymer	Email
										1/24/2017	1/25/2017	Mr. Behymer	Email
										1/26/2017			Email
										3/28/2017			Supplemental Information Letter
										8/14/2017			Email with Notice of Schedule
NRCS	Jersey County/ Jerseyville Lincoln Field Office	Brad Behymer	604 East Franklin	Jerseyville	IL	62052	217-942-5464, ext. 3	Bradley.Behymer@il.usda.gov		7/29/2016			Notice of Prefiling Letter
										8/5/2016			Open House Invitation Letter
										3/28/2017			Supplemental Information Letter
										8/14/2017			Email with Notice of Schedule
NRCS	Missouri State Office	J.R. Flores	Parkade Center 601 Business Loop 70 West, Suite 250	Columbia	MO	65203	573-876-0901			7/29/2016			Notice of Prefiling Letter
										8/5/2016			Open House Invitation Letter
										3/28/2017			Supplemental Information Letter
NRCS	Service Center Office	Connie Gibson	160 Saint Peters Centre Blvd	St. Peters	MO	63376	636-952-2283, ext. 105	Connie.Gibson@mo.usda.gov		7/29/2016			Notice of Prefiling Letter
NRCS	Service Center Office	Renee L. Cook	160 Saint Peters Centre Blvd	St. Peters	MO	63376	636-922-2833, ext. 3	renee.cook@mo.usda.gov		-	9/28/2016	Ms. Cook	Email
										-	10/11/2016	Ms. Cook	Email
										3/28/2017			Supplemental Information Letter
										8/14/2017			Email with Notice of Schedule

**Spire STL Pipeline
Agency Correspondence Tracking List**

Agency Correspondence - Federal, State, Local Agencies, and Native American Tribes

Agency	Region/ Division	Contact Name	Address	City	State	Zip	Contact Phone	Contact Email	Permit/Clearance/ Approval	Date Sent	Response Type/ Date	Responding Contact	Correspondence
Farm Service Agency ("FSA") Offices													
FSA	Scott County	Rebecca D. Walls	656 North Main St	Winchester	IL	62694	217-742-9561, ext-2	rebecca.walls@il.usda.gov		7/29/2016			Notice of Prefiling Letter
		Amanda Hesse	656 North Main St	Winchester	IL	62694	217-742-9561, ext. 2	Amanda.Hesse@il.usda.gov		8/5/2016			Open House Invitation Letter
		Mitch Zipprich					618-494-3097	mitchell.zipprich@il.usda.gov		3/28/2017			Supplemental Information Letter
										8/14/2017		Delivery Failed	Email with Notice of Schedule
										8/14/2017			Email with Notice of Schedule
FSA	Carrollton Service Center		Route 267 North	Carrollton	IL	62016				7/29/2016			Notice of Prefiling Letter
										8/5/2016			Open House Invitation Letter
										3/28/2017			Supplemental Information Letter
FSA	Jerseyville Service Center		604 E Franklin	Jerseyville	IL	62052				7/29/2016			Notice of Prefiling Letter
										8/5/2016			Open House Invitation Letter
										3/28/2017			Supplemental Information Letter
FSA	St. Charles County	Connie Gibson	160 Saint Peters Centre Blvd	St. Peters	MO	63376	636-922-2833, ext-105	Connie.Gibson@mo.usda.gov	GRP	7/29/2016			Notice of Prefiling Letter
										8/5/2016			Open House Invitation Letter
										9/7/2016			Email
										9/28/2016	9/28/2016	Ms. Gibson	Email
										10/11/2016			Email
										12/2/2016	12/2/2016	Ms. Gibson	Voicemail and Emails
										12/5/2016	12/27/2017	Ms. Gibson	Email
FSA	St. Louis County	Connie Gibson	160 Saint Peters Centre Blvd	St. Peters	MO	63376	636-922-2833, ext-105	Connie.Gibson@mo.usda.gov	GRP	7/29/2016			Notice of Prefiling Letter
										8/5/2016			Open House Invitation Letter
										9/7/2016			Email
										9/28/2016	9/28/2016	Ms. Gibson	Email
										10/11/2016			Email
										12/2/2016	12/2/2016	Ms. Gibson	Voicemail and Emails
										12/5/2016	12/27/2017	Ms. Gibson	Email
FSA	St. Charles and St. Louis County	Eric Niemeyer	160 Saint Peters Centre Blvd	St. Peters	MO	63376	636-922-2833, ext. 105	eric.niemeyer@mo.usda.gov	CRP	3/24/2017	3/24/2017	Mr. Niemeyer	Telephone
										3/24/2017	3/31/2017	Mr. Niemeyer	Email
										3/28/2017			Supplemental Information Letter
										8/14/2017			Email with Notice of Schedule
FSA	Illinois State Office	Jamie Diebal	3500 Wabash Ave	Springfield	IL	62711	217-331-6872	jamie.diebal@il.usda.gov	CRP	9/21/2016	9/22/2016	Ms. Diebal	Email
										9/26/2016			Email
										10/12/2016	10/17/2016	Ms. Diebal	Email
										10/19/2016	10/31/2016	Ms. Diebal	Email
										3/24/2017	3/31/2017	Ms. Diebal	Email
										3/28/2017			Supplemental Information Letter
										4/4/2017			Email
										5/16/2017			Voicemail
										8/14/2017			Email with Notice of Schedule
FSA	Illinois State Office	Kimberly Martin	3500 Wabash Ave	Springfield	IL	62711	217-241-6600	kimberly.martin@il.usda.gov		3/28/2017			Supplemental Information Letter
										5/19/2017	5/19/2017	Ms. Martin	Telephone
										8/14/2017			Email with Notice of Schedule
United States Department of the Interior National Park Service ("NPS")													
NPS	Lewis and Clark National Historic Trail	Dan Wiley	601 Riverfront Drive	Omaha	NE	68102-4226	402-661-1830	dan_wiley@nps.gov		3/9/2017	3/9/2017	Mr. Wiley	Telephone and Email
										3/10/2017			Email
										3/29/2017			Supplemental Information Letter
										8/14/2017			Email with Notice of Schedule
NPS	Lewis and Clark National Historic Trail	Linda S. Helm, JD	601 Riverfront Drive	Omaha	NE	68102	402-661-1812	linda_helm@nps.gov		-	3/15/2017	Ms. Helm	Email
NPS	Lewis and Clark National Historic Trail	Mark Weekly	601 Riverfront Drive	Omaha	NE	68102				-	3/13/2017	Mr. Weekly	Letter

**Spire STL Pipeline
Agency Correspondence Tracking List**

Agency Correspondence - Federal, State, Local Agencies, and Native American Tribes

Agency	Region/ Division	Contact Name	Address	City	State	Zip	Contact Phone	Contact Email	Permit/Clearance/ Approval	Date Sent	Response Type/ Date	Responding Contact	Correspondence
STATE - Illinois													
Illinois Department of Natural Resources ("IDNR")													
IDNR	Endangered- Species	Pat Malone	One Springfield Way	Springfield	IL	62702-1271	217-785-4991	pat.malone@illinois.gov	State Listed Species	6/8/2016	6/8/2016		Telephone and Email
										6/21/2016	6/21/2016	Mr. Malone	Meeting
										6/16/2016	7/6/2016	Mr. Malone	Email
										7/15/2016	7/15/2016	Mr. Malone	Email
										7/29/2016			Notice of Prefiling Letter
										8/5/2016			Open House Invitation Letter
										8/12/2016			Consultation Letter
										8/15/2016	8/15/2016	Mr. Malone	Email
										9/26/2016	9/26/2016	Mr. Malone	Telephone
										9/27/2016	9/27/2016	Mr. Malone	Telephone
										10/5/2016	10/5/2016	Mr. Malone	Telephone
										10/5/2016	10/14/2016	Mr. Malone	Email
										10/14/2016	10/14/2016	Mr. Malone	Email
										-	10/26/2016	Mr. Malone	Email
12/13/2016	12/13/2016	Mr. Malone	Meeting										
IDNR	Impact Assessment Section	Keith Shank	One Natural Resources Way	Springfield	IL	62702		Keith.Shank@illinois.gov	State Listed Species	1/20/2017	1/20/2017	Mr. Shank	Telephone
										3/28/2017			Supplemental Information Letter
										7/14/2017			Species Survey Reports and Biological Assessment
										7/17/2017			Email with July FERC Supplement
										8/14/2017			Email with Notice of Schedule
										10/9/2017			Email with October FERC Supplement
IDNR	Water Resources	Mike Diedrichsen	One Springfield Way	Springfield	IL	62702-1271	217-782-4426	mike.diedrichsen@illinois.gov		6/8/2016	6/9/2016	Mr. Diedrichsen	Telephone and Email
										6/14/2016	6/15/2016	Mr. Diedrichsen	Email
										6/21/2016	6/21/2016	Mr. Diedrichsen	Meeting
										7/29/2016			Notice of Prefiling Letter
										8/5/2016			Open House Invitation Letter
										8/12/2016			Consultation Letter
										9/28/2016	9/28/2016	Mr. Diedrichsen	Telephone
										1/27/2017	3/17/2017	Mr. Altman	Letter and NWP-12 Joint Permit Application; Approval for Statewide Permits 6, 8, and 13
										3/3/2017			Email
3/1/2017			Email										
3/2/2017			Email										
3/28/2017			Supplemental Information Letter										
4/28/2017			Addendum to NWP-12 Joint Permit Application										
7/14/2017	7/24/2017	Mr. Altman	Addendum II to NWP-12 Joint Permit Application										
8/18/2017			Email with Notice of Schedule										
12/18/2017	1/25/2018	Mr. Altman	Addendum III to NWP-12 Joint Permit Application										
7/2/2018			Addendum IV to NWP-12 Joint Permit Application										
IDNR	Water Resources	Jesse Tinch	One Natural Resources Way	Springfield	IL	62702-1271	217-782-4545	jesse.tinch@illinois.gov	Statewide Permits	-	2/3/2017	Mr. Tinch	Email
										2/6/2017			Email
										2/9/2017	2/9/2017	Mr. Tinch	Email
										2/14/2017	2/17/2017	Mr. Tinch	Email
										2/20/2017	2/21/2017	Mr. Tinch	Email and Telephone
										3/1/2017	3/1/2017	Mr. Tinch	Email
										3/2/2017			Email
										3/7/2017			Email
										3/16/2017	3/16/2017	Mr. Tinch	Telephone
										3/17/2017	3/17/2017	Mr. Tinch	Email
IDNR	Conservation Program	Mike Chandler					217-785-8773	mike.chandler@illinois.gov		8/4/2016		Voicecall and Email	
IDNR	CREP Program Coordinator	Luke Garver	One Natural Resources Way	Springfield	IL	62702-1721	217-524-3200	Luke.Garver@illinois.gov	CREP	-	8/8/2016		Voicecall
										8/9/2016	8/10/2016	Mr. Garver	Telephone and Email
										9/9/2016	9/9/2016	Mr. Garver	Email
										12/2/2016			Voicecall and Email

**Spire STL Pipeline
Agency Correspondence Tracking List**

Agency Correspondence - Federal, State, Local Agencies, and Native American Tribes

Agency	Region/ Division	Contact Name	Address	City	State	Zip	Contact Phone	Contact Email	Permit/Clearance/ Approval	Date Sent	Response Type/ Date	Responding Contact	Correspondence
IDNR	CREP	Robert Bedient	One Natural Resources Way	Springfield	IL	62702	217-557-6525	DNR_CREP@illinois.gov	CREP	-	12/6/2016	Mr. Bedient	Email
										3/23/2017	3/24/2017	Mr. Bedient	Email
IDNR		Nathan Grider					217-524-0501			10/7/2016	10/7/2016	Mr. Grider	Telephone
IDNR	Chief of Staff	Brent Krebs	One Natural Resources Way	Springfield	IL	62702	217-785-7953	brent.krebs@illinois.gov		12/13/2016	12/13/2016	Mr. Krebs	Meeting
										12/19/2016	12/19/2016	Mr. Krebs	Telephone
										3/1/2017	3/1/2017	Mr. Krebs	Telephone
										8/14/2017			Email with Notice of Schedule
										10/4/2017	10/4/2017	Mr. Krebs	Meeting (via phone)
										6/17/2016	6/20/2016	Ms. Kieninger	Email
										6/21/2016	6/21/2016	Ms. Kieninger	Email
										12/23/2016	12/27/2016	Ms. Kieninger	Voicemail and Email
										12/27/2016	12/27/2016	Ms. Kieninger	Telephone
										12/29/2016	1/5/2017	Ms. Kieninger	Email
										5/18/2017			Email
										5/23/2017			Email
										5/29/2017			Email
										6/14/2017			Email
										12/8/2017	12/13/2017	Ms. Kieninger	Email
										12/22/2017	12/27/2017	Ms. Kieninger	Email
										1/2/2018	1/8/2018	Ms. Kieninger	Email
										1/10/2018	1/10/2018	Ms. Kieninger	Email
										12/19/2016	12/19/2016	Ms. Skufca	Telephone
										-	12/19/2016	Ms. Skufca	Email
										1/19/2017	1/19/2017	Ms. Skufca	Telephone
										1/30/2017	2/1/2017	Ms. Skufca	Voicemail and Telephone
										3/1/2017	3/1/2017	Ms. Skufca	Telephone
										3/28/2017			Supplemental Information Letter
										4/6/2017			Voicemail and Email
										4/12/2017	4/12/2017	Ms. Skufca	Telephone
										6/2/2017			Email with Draft Conservation Plan
										7/13/2017	7/13/2017	Ms. Skufca	Telephone Meeting
										7/14/2017			Species Survey Reports and Biological Assessment
										8/14/2017			Email with Notice of Schedule
										10/4/2017	10/4/2017	Ms. Skufca	Meeting
										11/16/2017	11/16/2017	Ms. Skufca	Conservation Plan; Email
										11/16/2017	11/16/2017	Ms. Skufca	Email
										-	12/15/2017	Ms. Skufca	Email
										12/18/2017	12/18/2017	Ms. Skufca	Email
										12/18/2017	12/18/2017	Ms. Skufca	Email
										12/21/2017	12/21/2017	Ms. Skufca	Telephone
										1/12/2018			Updated Conservation Plan; Email
										1/17/2018	1/18/2018	Ms. Skufca	Email
										2/6/2018	2/7/2018	Ms. Skufca	Email
										2/9/2018	2/9/2018	Ms. Skufca	Email
										2/13/2018	2/13/2018	Ms. Skufca	Telephone
										3/20/2018	3/21/2018	Ms. Skufca	Email
										3/23/2018			Email
IDNR	Endangered Species Program Manager	Joe Kath						Joe.Kath@illinois.gov		5/18/2017			Email
										5/23/2017			Email
										5/29/2017			Email
										6/14/2017			Email
IDNR	Scientific Collection Permits	Nancy Rogers						Nancy.S.Rogers@illinois.gov					
IDNR		Chris Young					217-557-1240	chris.young@illinois.gov		10/4/2017	10/4/2017	Mr. Young	Meeting
IDNR		Eric Lohrenz								10/4/2017	10/4/2017	Mr. Lohrenz	Meeting
IDNR	Impact Assessment Section	Adam Rawe	One Natural Resources Way	Springfield	IL	62702	217-785-4991	adam.rawe@illinois.gov		-	2/6/2018	Mr. Rawe	Email
										2/7/2018	2/8/2018	Mr. Rawe	Voicemail and Email
										2/8/2018	2/8/2018	Mr. Rawe	Telephone and Email

**Spire STL Pipeline
Agency Correspondence Tracking List**

Agency Correspondence - Federal, State, Local Agencies, and Native American Tribes

Agency	Region/ Division	Contact Name	Address	City	State	Zip	Contact Phone	Contact Email	Permit/Clearance/ Approval	Date Sent	Response Type/ Date	Responding Contact	Correspondence
Illinois Department of Agriculture ("IDOA")													
IDOA	Bureau of Land and Water Resources	Terry Savko	Statefairgrounds P.O. Box 19281	Springfield	IL	62794- 9281	217-785-4458	terry.savko@illinois.gov	Agricultural Impact Mitigation Agreement	6/9/2016	6/9/2016	Ms. Savko	Telephone and Email
										6/22/2016	6/22/2016	Ms. Savko	Meeting
										7/29/2016			Notice of Prefiling Letter
										8/15/2016			Consultation Letter
										8/5/2016			Open House Invitation Letter
										9/7/2016	9/7/2016	Ms. Savko	Email
										9/23/2016	9/26/2016	Ms. Savko	Email
										9/26/2016	10/6/2016	Ms. Savko	Email
											11/9/2016	Ms. Savko	Email
										11/22/2016	11/22/2016	Ms. Savko	Telephone
										11/29/2016			Email
										12/2/2016			Email
										12/13/2016	12/13/2016	Ms. Savko	Meeting
										1/24/2017	2/23/2017	Ms. Savko	Email
										2/28/2017	3/1/2017	Ms. Savko	Email
										3/8/2017	3/8/2017	Ms. Savko	Email
										3/17/2017	3/17/2017	Ms. Savko	Email
										3/21/2017	3/21/2017	Ms. Savko	Email
										3/28/2017			Supplemental Information Letter
										4/5/2017	4/5/2017	Ms. Savko	Email
										4/6/2017	4/7/2017	Ms. Savko	Email
										4/7/2017	4/7/2017	Ms. Savko	Telephone
										5/3/2017	5/3/2017	Ms. Savko	Email
										6/2/2017			Email
7/17/2017			Email with July FERC Supplement										
8/14/2017			Email with Notice of Schedule										
			10/9/2017										Email with October FERC Supplement
IDOA	Bureau of Land and Water Resources	Steve Chard	PO Box 19281	Springfield	IL	62794- 9281	217-782-6297	Steve.Chard@illinois.gov	Agricultural Impact Mitigation Agreement	11/22/2016	11/22/2016	Mr. Chard	Telephone
										11/29/2016			Email
										12/2/2016			Email
										1/24/2017			Email
										2/28/2017			Email
6/2/2017			Email										
IDOA	General Counsel	Craig Sondgeroth					217-558-0014	craig.sondgeroth@illinois.gov		12/13/2016	12/13/2016	Mr. Sondgeroth	Meeting
IDOA	Land and Water Resource Specialist	John Lohse	PO Box 19281	Springfield	IL	62794- 9281	217-785-4389	john.lohse@illinois.gov		12/13/2016	12/13/2016	Mr. Lohse	Meeting
IDOA	Deputy Director	Warren Goetsch	PO Box 19281	Springfield	IL	62794- 9281	217-785-4747	warren.goetsch@illinois.gov		12/13/2016	12/13/2016	Mr. Goetsch	Meeting
IDOA	COS	Grant Hammer	PO Box 19281	Springfield	IL	62794- 9281	217-782-5051	grant.hammer@illinois.gov		12/13/2016	12/13/2016	Mr. Hammer	Meeting

**Spire STL Pipeline
Agency Correspondence Tracking List**

Agency Correspondence - Federal, State, Local Agencies, and Native American Tribes

Agency	Region/ Division	Contact Name	Address	City	State	Zip	Contact Phone	Contact Email	Permit/Clearance/ Approval	Date Sent	Response Type/ Date	Responding Contact	Correspondence
Illinois Historic Preservation Agency ("IHPA")													
IHPA	Division Manager & Deputy SHPO	Rachel Leibowitz	One Natural Resources Way	Springfield	IL	62702	217-785-5031	rachel.leibowitz@illinois.gov	Section 106	6/21/2016	6/21/2016	Ms. Leibowitz	Meeting
										7/29/2016			Notice of Prefiling Letter
										-	8/4/2016		Letter
										8/5/2016			Open House Invitation Letter
										8/29/2016			Consultation Letter
										10/28/2016			Letter
										11/1/2016			Hardcopy of Draft RR4
										12/13/2016	12/13/2016	Ms. Leibowitz	Meeting
										1/26/2017			Letter and Phase I Archaeological Survey Report with Architectural/Historical Resources Survey
										3/28/2017			Supplemental Information Letter
										4/10/2017			Unanticipated Discoveries Plan
										4/21/2017			Phase I Addendum
										5/23/2017	5/23/2017	Ms. Leibowitz	Telephone
										6/1/2017			Revised Cover Letter
											6/22/2017	Ms. Leibowitz	Letter
										7/14/2017			Phase I Addendum II and Phase II Reports
										7/17/2017	7/17/2017; 7/18/2017	Ms. Leibowitz	Email with July FERC Supplement
										7/19/2017			Hardcopy of July FERC Supplement
										8/9/2017; 8/17/2017			Updated Phase I Addendum II Report Figures
										8/14/2017			Email with Notice of Schedule
										9/29/2017			Phase I Addendum III Report
										10/9/2017	10/10/2017	Ms. Leibowitz	Email with October FERC Supplement; Email
										10/11/2017			Email
										10/12/2017			Hardcopy of October FERC Supplement
											11/15/2017	Ms. Leibowitz	Concurrence Letter
										12/5/2018			Phase I Addendum IV Report
										12/18/2017	12/18/2017	Ms. Leibowitz	Meeting
											12/20/2017	Ms. Leibowitz	Concurrence Letter
										12/27/2017	12/27/2017	Ms. Leibowitz	Telephone
										-	12/29/2017	Ms. Leibowitz	Letter
										1/10/2018	3/22/2018	Ms. Leibowitz	Phase I Addendum V Archaeological Survey Report and Concurrence
										1/16/2018			Voicemail
										1/19/2018			Data Recovery Plan, email
										1/31/2018	3/22/2018	Ms. Leibowitz	Determination of Eligibility Request Letter and Concurrence
										2/13/2018			Voicemail
										2/16/2018	3/22/2018	Ms. Leibowitz	Phase I Addendum VI Report and Concurrence
										2/26/2018	3/8/2018	Ms. Leibowitz	Phase II Work Plan and Concurrence
										3/6/2018	3/6/2018	Ms. Leibowitz	Email
										3/22/2018	3/22/2018	Ms. Leibowitz	Telephone
										4/19/2018			Voicemail
5/11/2018	6/15/2018		Phase II Archaeological Testing Report for Site 11JY801 and Concurrence										
5/11/2018	6/15/2018		Phase I Addendum VII Report and Concurrence										
5/11/2018	6/15/2018		Site 11JY800 Avoidance Plan and Concurrence										
5/11/2018	6/15/2018		Site 11JY789 Avoidance Plan and Concurrence										
5/21/2018			Email										
6/4/2018			Email										
IHPA		David Halpin	One Natural Resources Way	Springfield	IL	62702	217-785-4998		Section 106	11/7/2016	11/7/2016	Mr. Halpin	Telephone
IHPA	Deputy Director	Ryan Prehn	313 S 6th Street	Springfield	IL	62701	217-558-8950	ryan.prehn@illinois.gov		12/13/2016	12/13/2016	Mr. Prehn	Meeting

**Spire STL Pipeline
Agency Correspondence Tracking List**

Agency Correspondence - Federal, State, Local Agencies, and Native American Tribes

Agency	Region/ Division	Contact Name	Address	City	State	Zip	Contact Phone	Contact Email	Permit/Clearance/ Approval	Date Sent	Response Type/ Date	Responding Contact	Correspondence
IHPA		Tina Blankenship	One Natural Resources Way	Springfield	IL	62702		Tina.Blankenship@illinois.gov	Section 106	2/10/2017			Archaeological Survey Short Report
										-	8/11/2017	Ms. Blankenship	Email
										8/15/2017			Email
										-	10/4/2017	Ms. Blankenship	Email
										10/10/2017	10/10/2017	Ms. Blankenship	Email
										10/11/2017			Hardcopies Phase I Addendum II and III Survey Reports
										-	11/3/2017	Ms. Blankenship	Email
										11/3/2017	11/3/2017	Ms. Blankenship	Email
										11/9/2017	11/9/2017	Ms. Blankenship	Email; Letter for Concurrence
										11/14/2017	11/15/2017	Ms. Blankenship	Email
										12/13/2017	12/13/2017	Ms. Blankenship	Telephone
										12/27/2017	12/27/2017	Ms. Blankenship	Email and Letter
										1/17/2018	1/17/2018	Ms. Blankenship	Telephone
										1/18/2018	1/18/2018	Ms. Blankenship	Telephone
										2/2/2018	2/5/2018	Ms. Blankenship	Email
										2/13/2018			Voicemail
										3/7/2018	3/7/2018	Ms. Blankenship	Telephone
										-	4/18/2018	Ms. Blankenship	Email
										4/18/2018	4/18/2018	Ms. Blankenship	Email
										4/18/2018	4/19/2018	Ms. Blankenship	Email
5/21/2018	5/21/2018	Ms. Blankenship	Email										
6/4/2018	6/5/2018	Ms. Blankenship	Email										
6/14/2018			Voicemail;										
IHPA	Director	Heidi Brown-McCreery	One Natural Resources Way	Springfield	IL	62702				3/28/2017			Supplemental Information Letter
IHPA	Secretary	LaDonna Young	One Natural Resources Way	Springfield	IL	62702	217-782-4836			2/13/2018	2/13/2018	Ms. Young	Telephone
IHPA	Archaeologist	Joe Phillippe	One Natural Resources Way	Springfield	IL	62702	217-785-1279	joe.phillippe@illinois.gov		3/28/2017			Supplemental Information Letter
										5/23/2017	5/23/2017	Mr. Phillippe	Telephone
										5/31/2017	5/31/2017	Mr. Phillippe	Telephone
										5/31/2017			Email
										7/17/2017			Email with July FERC Supplement
										-	7/20/2017	Mr. Phillippe	Email
										8/14/2017			Email with Notice of Schedule
										8/15/2017		Staff	Telephone Message
										8/22/2017	8/22/2017	Mr. Phillippe	Telephone
										10/9/2017			Email with October FERC Supplement
										11/3/2017	11/3/2017	Mr. Phillippe	Email and Telephone
										12/18/2017	12/18/2017	Mr. Phillippe	Meeting
										12/20/2017	12/20/2017	Mr. Phillippe	Telephone
12/27/2017	12/27/2017	Mr. Phillippe	Email and Telephone										
IHPA	USACE Archaeologist (Temporary Placement)	Brant Vollman	PO Box 2004	Rock Island	IL	61204	309-794-5380	Brant.J.Vollman@usace.army.mil		3/6/2018	3/6/2018	Mr. Vollman	Email
										3/11/2018	3/1/2018	Mr. Vollman	Email
										3/22/2018	3/22/2018	Mr. Vollman	Telephone
										4/11/2018	4/11/2018	Mr. Vollman	Email and Telephone; Avoidance Plan
										4/17/2018	4/17/2018	Mr. Vollman	Phase II Report, Site Avoidance Plans, and Phase I Addendum VII Report
										4/17/2018	4/18/2018	Mr. Vollman	Telephone and Email
										4/27/2018	4/30/2018	Mr. Vollman	Email
Illinois Environmental Protection Agency ("IEPA")													
IEPA	Bureau of Water	Alan Keller	1021 North Grand Avenue East P.O. Box 19276	Springfield	IL	62794-9276	217-782-0610	al.keller@illinois.gov		6/9/2016	6/9/2016		Telephone
										8/12/2016			Consultation Letter
										12/18/2017			Addendum III NWP-12 Joint Permit Application
										7/2/2018			Addendum IV NWP-12 Joint Permit Application

**Spire STL Pipeline
Agency Correspondence Tracking List**

Agency Correspondence - Federal, State, Local Agencies, and Native American Tribes

Agency	Region/ Division	Contact Name	Address	City	State	Zip	Contact Phone	Contact Email	Permit/Clearance/ Approval	Date Sent	Response Type/ Date	Responding Contact	Correspondence
IEPA	Bureau of Water	Dan Heacock	1021 North Grand Avenue East P.O. Box 19276	Springfield	IL	62794		dan.heacock@illinois.gov		1/27/2017			Letter and NWP-12 Joint Permit Application
										3/3/2017			Email
										3/28/2017			Supplemental Information Letter
										4/28/2017			Addendum to NWP-12 Joint Permit Application
										7/14/2017			Addendum II to NWP-12 Joint Permit Application
										7/17/2017			Email with July FERC Supplement
										8/14/2017			Email with Notice of Schedule
										10/9/2017			Email with October FERC Supplement
										11/21/2017			Email
IEPA	Industrial Engineer on call	Mark Liska					217-782-0610		Hydrostatic Test Withdrawals and Discharge	7/11/2016	7/11/2016	Mr. Liska	Telephone
										12/11/2017	12/11/2017	Mr. Liska	Telephone
IEPA	Bureau of Water - Industrial Unit Manager	Darin LeCrone	1021 North Grand Avenue East	Springfield	IL	62794	217-782-0610	darin.lecrone@illinois.gov		7/29/2016			Notice of Prefiling Letter
										8/5/2016			Open House Invitation Letter
										12/13/2016	12/13/2016	Mr. LeCrone	Meeting
										3/28/2017			Supplemental Information Letter
										7/17/2017			Email with July FERC Supplement
										8/14/2017			Email with Notice of Schedule
										10/9/2017			Email with October FERC Supplement
IEPA	GIS	Joe Konczyk					217-785-2271	Joe.Konczyk@illinois.gov	Illinois Drinking Water Resources	9/21/2016	9/21/2016	Mr. Konczyk	Telephone
										9/22/2016	9/22/2016	Mr. Konczyk	Email
										10/20/2016		Mr. Konczyk	Email
										9/28/2016	9/28/2016	Mr. Twait	Telephone
IEPA		Scott Twait	1021 North Grand Avenue East	Springfield	IL	62794	217-558-2012	Scott.Twait@illinois.gov		10/7/2016	10/17/2016	Mr. Twait	Email
										10/17/2016	10/17/2016	Mr. Twait	Telephone
										12/9/2016	12/9/2016	Mr. Twait	Telephone and Email
										10/17/2016			Voiceemail
										10/18/2016	10/18/2016	Mr. Cook	Telephone
IEPA	Public Water Supply	David Cook					217-782-0078			10/17/2016			Voiceemail
										10/18/2016	10/18/2016	Mr. Cook	Telephone
IEPA	Bow Permit Section	Darren Gove	1021 North Grand Avenue East	Springfield	IL	62794	217-782-3362	darren.gove@illinois.gov		12/13/2016	12/13/2016	Mr. Gove	Meeting
										11/22/2017	11/22/2017	Mr. Gove	Telephone
IEPA	Deputy Director	Ryan McCreery	1021 North Grand Avenue East	Springfield	IL	62794	217-782-1679	ryan.mccreery@illinois.gov		12/13/2016	12/13/2016	Mr. McCreery	Meeting
IEPA	Bureau of Land, Permit Section	Thomas W. Hubbard	1021 North Grand Avenue East	Springfield	IL	62794	217-524-3286	Thomas.Hubbard@illinois.gov		2/21/2017	2/21/2017	Mr. Hubbard	Telephone and Email
										2/22/2017			Email
IEPA	Bureau of Land	Mohammed Zilur Rahman	1021 North Grand Avenue East	Springfield	IL	62794	217-782-9848	mohammed.rahman@illinois.gov		-	3/20/2017	Mr. Rahman	Email
										3/28/2017			Email
										4/5/2017	4/5/2017	Mr. Rahman	Telephone
IEPA	Stormwater Permits	Cathy Demeroukas	1021 North Grand Avenue East	Springfield	IL	62794	217-782-0610	cathy.demeroukas@illinois.gov		8/22/2017	8/22/2017	Ms. Demeroukas	Telephone and Email
STATE - Missouri													
Missouri Department of Natural Resources ("MDNR")													
MDNR	Water Resources Center - Surface Water, Wetlands and Planning	Steve McIntosh	PO Box 176	Jefferson City	MO	65102	573-751-7823	steve.mcintosh@dnr.mo.gov	Major Water User Registration	6/16/2016	6/16/2016	Mr. McIntosh	Telephone and Email
										8/3/2016	8/3/2016		Meeting
MDNR	Water Resources Center	Scott Kaden	PO Box 176	Jefferson City	MO	65102	573-368-2175			7/8/2016	7/8/2016	Mr. Kaden	Telephone
MDNR	Water Protection Program	Robert Voss	PO Box 176	Jefferson City	MO	65102	573-751-1300			7/8/2016	7/8/2016	Mr. Voss	Telephone

**Spire STL Pipeline
Agency Correspondence Tracking List**

Agency Correspondence - Federal, State, Local Agencies, and Native American Tribes

Agency	Region/ Division	Contact Name	Address	City	State	Zip	Contact Phone	Contact Email	Permit/Clearance/ Approval	Date Sent	Response Type/ Date	Responding Contact	Correspondence
MDNR	Water Protection Program	Chris Wieberg	PO Box 176	Jefferson City	MO	65102	573-526-5781	chris.wieberg@dnr.mo.gov	Hydrostatic Discharge Permit	7/11/2016	7/11/2016	Mr. Wieberg	Telephone
										8/3/2016	8/3/2016	Mr. Wieberg	Meeting
										-	11/29/2016	Mr. Wieberg	Letter - 401 Water Quality Certification
MDNR	Director	Sara Parker Pauley	PO Box 176	Jefferson City	MO	65102	573-522-6221			7/29/2016			Notice of Prefiling Letter
										8/5/2016			Open House Invitation Letter
										3/28/2017			Supplemental Information Letter
MDNR		Paul Mueller	PO Box 176	Jefferson City	MO	65102	314-416-2960			7/29/2016			Notice of Prefiling Letter
										8/5/2016			Open House Invitation Letter
										3/28/2017			Supplemental Information Letter
MDNR	Environmental Scientist	Mike Irwin	PO Box 176	Jefferson City	MO	65102	573-522-1131	mike.irwin@dnr.mo.gov	401 Water Quality Certification	8/3/2016	8/3/2016	Mr. Irwin	Meeting
										8/4/2016	8/4/2016	Mr. Irwin	Email
										8/4/2016	8/5/2016	Mr. Irwin	Email
										8/5/2016			Open House Invitation Letter
										12/9/2016	12/9/2016	Mr. Irwin	Voicemail and Telephone
										12/9/2016	12/15/2016	Mr. Irwin	Email
										12/23/2016			Email
										3/28/2017			Supplemental Information Letter
										4/11/2017	4/13/2017	Mr. Irwin	Email
										4/28/2017			Addendum to NWP-12 Preconstruction Notification and Application for 401 Water Quality Certification
										7/14/2017			Addendum II NWP-12 Preconstruction Notification and Application for 401 Water Quality Certification
										8/14/2017			Email with Notice of Schedule
										8/23/2017	8/23/2017	Mr. Irwin	Conference Call
										9/5/2017	9/5/2017	Mr. Irwin	Email
										9/6/2017	9/7/2017	Mr. Irwin	Email
										9/27/2017	9/27/2017	Mr. Irwin	Telephone and Email
										12/1/2018	12/1/2018	Mr. Irwin	Telephone
										12/18/2017			Addendum III NWP-12 Preconstruction Notification
										2/19/2018	2/19/2018	Mr. Irwin	Email
										7/2/2018			Addendum IV NWP-12 Preconstruction Notification
MDNR		Lorisa Smith	PO Box 176	Jefferson City	MO	65102	573-751-7370	Lorisa.Smith@dnr.mo.gov	Permitting Contact	8/3/2016	8/3/2016	Ms. Smith	Meeting
										8/4/2016			Email
										8/5/2016			Open House Invitation Letter
										9/8/2016			Consultation Letter
MDNR	Katy Trail	Denny Bopp	PO Box 176	Jefferson City	MO	65102	573-751-9392	denny.bopp@dnr.mo.gov	Katy Trail	8/3/2016	8/3/2016	Mr. Bopp	Meeting
										9/28/2016			Voicemail
MDNR		Brad Harris	PO Box 176	Jefferson City	MO	65102	573-644-3226	brad.harris@dnr.mo.gov	Env. Emergency Response Plan	8/3/2016	8/3/2016	Mr. Harris	Meeting
MDNR		Robert Stout	PO Box 176	Jefferson City	MO	65102	573-751-7402	robert.stout@dnr.mo.gov	Policy Contact	8/3/2016	8/3/2016	Mr. Stout	Meeting
MDNR	Geology	Peter Price	PO Box 176	Jefferson City	MO	65102	573-368-2131	peter.price@dnr.mo.gov	Well drilling	8/3/2016	8/3/2016	Mr. Price	Meeting
										10/10/2017	10/11/2017	Mr. Price	Email
MDNR	Geology	Peter Bachle	PO Box 176	Jefferson City	MO	65102	573-368-2472	peter.bachle@dnr.mo.gov		8/3/2016	8/3/2016	Mr. Bachle	Meeting
MDNR	Well Heads Department	Justin Davis	PO Box 176	Jefferson City	MO	65102	573-368-2167		Registration of Geotech				
MDNR	GIS	David Erickson					573-368-2332	david.erickson@dnr.mo.gov	Missouri Drinking Water Resources	9/21/2016	9/21/2016	Mr. Erickson	Telephone
MDNR	Cultural Resource Management Section, State Parks	Kim Dillon					573-526-0976	kim.dillon@dnr.mo.gov		10/3/2016	10/3/2016	Ms. Dillon	Email
MDNR	Public Drinking Water Branch	Maher Jaafari					573-751-1127	maher.jaafari@dnr.mo.gov		10/18/2016	10/19/2016	Mr. Jaafari	Email
										2/2/2017			Email
										2/3/2017			Email

**Spire STL Pipeline
Agency Correspondence Tracking List**

Agency Correspondence - Federal, State, Local Agencies, and Native American Tribes

Agency	Region/ Division	Contact Name	Address	City	State	Zip	Contact Phone	Contact Email	Permit/Clearance/ Approval	Date Sent	Response Type/ Date	Responding Contact	Correspondence
MDNR	Public Drinking Water Branch	Everett Baker						Everett.Baker@dnr.mo.gov		-	10/24/2016	Mr. Baker	Email
										1/17/2017			Email
										1/23/2017	1/23/2017	Mr. Baker	Telephone
										2/2/2017			Email
										2/3/2017			Email
MDNR	Public Drinking Water Branch	Ken Tomlin					573-526-0269			12/22/2016			Voicemail
										-	1/24/2017	Mr. Tomlin	Email
										-	1/24/2017	Mr. Tomlin	Email
										2/2/2017	2/3/2017	Mr. Tomlin	Email
										2/3/2017			Email
MDNR	Wellhead Protection Program Chief	Kyle Rollins					573-368-2171			12/21/2016	12/22/2016	Mr. Rollins	Voicemail and Telephone
MDNR	Wellhead Protection Compliance and Enforcement	Amber Steele					573-368-2115			12/21/2016	12/22/2016	Ms. Steele	Voicemail and Telephone
MDNR	Geological Survey	Pat Mulvany					573-368-2370			12/14/2016	12/14/2016	Mr. Mulvany	Telephone
MDNR	Engineering and Compliance Assistance	Eric Gilstrap					314-416-2960	eric.gilstrap@dnr.mo.gov		-	1/25/2017	Mr. Gilstrap	Email
										2/1/2017	2/1/2017	Mr. Gilstrap	Telephone
										2/3/2017			Email
MDNR	FUSRAP Project Oversight	Daniel Carey					314-877-3047	daniel.carey@dnr.mo.gov		-	2/3/2017	Mr. Carey	Email
										3/30/2017	3/30/2017	Mr. Carey	Email
										1/4/2018			Email
										1/15/2018	1/18/2018	Mr. Carey	Email
										1/17/2018	1/17/2018	Mr. Carey	Telephone
MDNR	Water Protection Program	Logan Cole	PO Box 176	Jefferson City	MO	65102	573-751-5827	logan.cole@dnr.mo.gov	DI Minimus Exemption for HDD Drilling Mud Disposal	-	2/23/2017	Mr. Cole	Email
										3/9/2017	3/9/2017	Mr. Cole	Email
										3/9/2017	3/9/2017	Mr. Cole	Email
MDNR	Solid Waste Management	Brian Newby					681-245-8854		HDD Drilling Mud Disposal	2/24/2017	2/24/2017	Mr. Newby	Telephone
										2/28/2017	2/28/2017	Mr. Newby	Telephone
MDNR	Water Protection Program	Billy Hackett	PO Box 176	Jefferson City	MO	65102	573-526-3337	billy.hackett@dnr.mo.gov		7/19/2017	7/19/2017	Mr. Hackett	Telephone and Email

**Spire STL Pipeline
Agency Correspondence Tracking List**

Agency Correspondence - Federal, State, Local Agencies, and Native American Tribes

Agency	Region/ Division	Contact Name	Address	City	State	Zip	Contact Phone	Contact Email	Permit/Clearance/ Approval	Date Sent	Response Type/ Date	Responding Contact	Correspondence			
Missouri State Historic Preservation Office (MO-SHPG)	Compliance Coordinator	Judith Deel	PO Box 176	Jefferson City	MO	65102	573-751-7862	judith.deel@dnr.mo.gov	Section 106	7/8/2016	7/8/2016	Ms. Deel	Meeting			
																Notice of Prefiling Letter
			8/3/2016	8/3/2016	Ms. Deel	Meeting										
			8/5/2016			Open House Invitation Letter										
			8/29/2016			Consultation Letter										
			9/12/2016	9/13/2016	Ms. Deel	Email										
			9/14/2016	9/14/2016	Ms. Deel	Email										
			9/20/2016	9/20/2016	Ms. Deel	Email										
			10/28/2016			Letter										
			11/1/2016			Hardcopy of Draft RR4										
			11/7/2016			Voicemail										
			11/14/2016	11/14/2016	Ms. Deel	Telephone										
			1/26/2017			Letter and Phase I Archaeological Survey Report										
			1/26/2017			Letter and Architectural/Historical Resources Survey Report										
			3/28/2017			Supplemental Information Letter										
			4/10/2017			Unanticipated Discoveries Plan										
			4/21/2017			Phase I Addendum I Archaeological Report										
			4/21/2017			Phase I Addendum Architectural Report										
			4/21/2017			Phase II Report										
			6/1/2017			Revised Cover Letter										
			7/14/2017			Phase I Addendum II Report										
			7/14/2017			Revised Phase I Archaeological Survey Report										
			7/17/2017			Email with July FERC Supplement										
			8/9/2017			Updated Phase I Addendum II Report Figures										
			8/15/2017	8/15/2017	Ms. Deel	Telephone										
			8/15/2017	8/15/2017	Ms. Deel	Email with Phase I Addendum I; Comments on Report										
			8/15/2017	8/15/2017	Ms. Deel	Emails with Phase II; Clearance										
			8/18/2017			Email with FERC Notice of Schedule										
			9/12/2017			Revised Phase I Addendum I Survey Report										
			9/29/2017			Phase I Addendum III Report										
			10/9/2017			Email with October FERC Supplement										
			11/14/2017			Response to Architecture Comments										
11/30/2017	12/1/2018	Ms. Deel	Email													
12/1/2017			Phase I Addendum IV Archaeological Survey Report													
1/10/2018			Phase I Addendum V Archaeological Survey Report													

**Spire STL Pipeline
Agency Correspondence Tracking List**

Agency Correspondence - Federal, State, Local Agencies, and Native American Tribes

Agency	Region/ Division	Contact Name	Address	City	State	Zip	Contact Phone	Contact Email	Permit/Clearance/ Approval	Date Sent	Response Type/ Date	Responding Contact	Correspondence
MO SHPO	Archaeologist/ Records Manager	Heather Gibb	PO Box 176	Jefferson City	MO	65102	573-751-4589	heather.gibb@dnr.mo.gov	Section 106	7/8/2016	7/8/2016	Ms. Gibb	Meeting
			8/3/2016	8/3/2016	Ms. Gibb	Meeting							
			9/28/2016	9/28/2016	Ms. Gibb	Email							
			9/29/2016	9/30/2016	Ms. Gibb	Email							
			11/1/2016			Hardcopy of Draft RR4							
			3/8/2017			Email							
			3/16/2017	3/16/2017	Ms. Gibb	Email							
			3/16/2017	3/16/2017	Ms. Gibb	Email							
			3/17/2017	3/22/2017	Ms. Gibb	Email							
			3/23/2017	4/11/2017	Ms. Gibb	Email							
			1/30/2018	2/7/2018	Ms. Gibb	Email							
			1/31/2018	2/6/2018	Ms. Gibb	Email							
			2/7/2018	2/7/2018	Ms. Gibb	Email							
			2/8/2018	2/8/2018	Ms. Gibb	Email							
			2/9/2018	2/14/2018	Ms. Gibb	Email							
			2/12/2018	2/14/2018	Ms. Gibb	Email							
			2/21/2018			Revised Phase I Addendum V Archaeological Survey Report							
-	3/20/2018	Ms. Gibb	Email										
3/20/2018	3/21/2018	Ms. Gibb	Email										
-	11/17/2016	Dr. Prawl	Letter										
-	11/17/2016	Dr. Prawl	Letter										
-	3/23/2017	Dr. Prawl	Letter										
5/31/2017			Letter										
-	7/28/2017	Dr. Prawl	Letter										
-	7/28/2017	Dr. Prawl	Letter										
-	9/18/2017	Dr. Prawl	Letter										
-	10/10/2017	Dr. Prawl	Letter										
-	12/8/2017	Dr. Prawl	Letter (filed with FERC 12/18/2017)										
-	1/30/2018	Dr. Prawl	Letter										
-	3/15/2018	Dr. Prawl	Letter										
MO SHPO		Amanda Burke	1101 Riverside Drive	Jefferson City	MO	65101	573-751-7862		Section 106	11/15/2016	11/15/2016	Ms. Burke	Telephone
										-	12/1/2017	Ms. Burke	Email
										12/12/2017	12/12/2017	Ms. Burke	Voicemail and Telephone
										1/5/2018			Voicemail
										1/8/2018	1/8/2018	Ms. Burke	Email and Architectural Concurrence
Missouri Department of Conservation (MDOC)													
MDOC	Wildlife	Raenhard Wesselschmidt	2360 Hwy D	St. Charles	MO	63304	636-441-4554 ext. 4132	raenhard.wesselschmidt@mdc.mo.gov		7/29/2016			Notice of Prefiling Letter
										8/5/2016			Open House Invitation Letter
										3/28/2017			Supplemental Information Letter
										8/14/2017			Email with Notice of Schedule
MDOC	Wildlife	Audrey Beres	2901 West Truman Blvd	Jefferson City	MO	65109	573-522-4115, ext-3346	audrey.beres@mdc.mo.gov	RTE	6/17/2016	6/17/2016	Ms. Beres	Telephone
										6/27/2016	6/27/2016	Ms. Beres	Meeting
										6/17/2016	7/6/2016	Ms. Beres	Email
										8/12/2016			Consultation Letter
										11/29/2016			Email
										-	12/5/2016	Ms. Beres	Email
										1/10/2017	1/10/2017	Ms. Beres	Telephone
										1/11/2017	1/17/2017	Ms. Beres	Email
										-	1/17/2017	Ms. Beres	Email
										1/20/2017			Email
										3/10/2017			Email
										3/28/2017			Supplemental Information Letter
										5/19/2017	5/22/2017	Ms. Beres	Email
7/17/2017			Email with July FERC Supplement										
8/14/2017			Email										
8/14/2017			Email with Notice of Schedule										
9/13/2017			Voicemail and Email										
9/13/2017	9/13/2017	Mr. Vitello	Telephone and Email										
MDOC	Policy Coordinator	Matt Vitello	2901 West Truman Blvd	Jefferson City	MO	65109	573-522-4115, ext. 3191	matt.vitello@mdc.mo.gov	RTE	10/9/2017			Email with October FERC Supplement
										1/31/2018			Email
										2/6/2018			Email
										5/2/2018	5/3/2018	Mr. Vitello	Email and Special Use Permit
										5/23/2018			Email with Signed Special Use Permit

**Spire STL Pipeline
Agency Correspondence Tracking List**

Agency Correspondence - Federal, State, Local Agencies, and Native American Tribes

Agency	Region/ Division	Contact Name	Address	City	State	Zip	Contact Phone	Contact Email	Permit/Clearance/ Approval	Date Sent	Response Type/ Date	Responding Contact	Correspondence
MDOC	Pools 24.25 and 26 of Upper Mississippi Conservation Area	Gary Calvert	P.O. Box 201 3333 North Highway 79	Elsberry	MO	63343	573-898-5905, ext. 1890	Gary.Calvert@mdc.mo.gov	Migratory Bird and Setback requirements	7/6/2016	7/6/2016	Mr. Calvert	Telephone
										7/29/2016			Notice of Prefiling Letter
										8/5/2016			Open House Invitation Letter
										3/23/2017	3/23/2017	Mr. Calvert	Telephone
										3/28/2017			Supplemental Information Letter
										8/14/2017			Email with Notice of Schedule
										-	2/15/2018	Mr. Calvert	Special Use Permit
5/23/2018			Email with Signed Special Use Permit										
MDOC	Policy Coordinator	Jennifer Campbell	PO Box 176	Jefferson City	MO	65102	573-522-4115	jennifer.campbell@mdc.mo.gov	Permitting Contact	9/16/2016			Voicemail
										9/22/2016			Voicemail
										10/14/2016	10/17/2016	Ms. Campbell	Voicemail and Email
										10/17/2016	10/17/2016	Ms. Campbell	Email
										-	10/18/2016	Ms. Campbell	Email
										-	10/25/2016	Ms. Campbell	Email
										10/28/2016	11/3/2016	Ms. Campbell	Email
										11/4/2016	11/4/2016	Ms. Campbell	Email
										11/7/2016			Email
										MDOC		Nate Muenks	
MDOC	Resource Scientist	Janet Haslerig	2901 W. Truman Boulevard	Jefferson City	MO	65109	573-522-4115, ext. 3198	Janet.Haslerig@mdc.mo.gov	Bald Eagles	12/5/2016	12/5/2016	Ms. Haslerig	Telephone and Email
										-	12/12/2016	Ms. Haslerig	Email
Missouri Department of Agriculture ("MDA")													
MDA		Collin Wamsley					412-399-5251		Noxious Weeds	9/30/2016	9/30/2016	Mr. Wamsley	Telephone
MDA	Legal Counsel									6/24/2016	6/24/2016	Legal Counsel	Telephone
MDA	Administrative Assistant, Director's Office	Jacqui Conatser					573-751-2613	jacqui.conatser@mda.mo.gov		5/16/2017	5/16/2017	Ms. Conatser	Telephone
										5/17/2017			Email
										5/24/2017			Voicemail
										6/5/2017			Email
MDA	General Counsel	Darryl M. Chatman	1616 Missouri Blvd	Jefferson City	MO	65102	573-751-5625	darryl.chatman@mda.mo.gov		-	6/6/2017	Mr. Chatman	Email
LOCAL													
Scott County, Illinois													
Scott County Soil and Water Conservation District ("SWCD")	Resource Conservationist	Lance Mueller	656 North Main	Winchester	IL	62694	217-742-9561	lance.mueller@il.nacdnet.net		7/29/2016			Notice of Prefiling Letter
										8/5/2016			Open House Invitation Letter
										9/7/2016	9/28/2016	Mr. Mueller	Email
										9/28/2016	9/28/2016	Mr. Mueller	Email
										3/28/2017			Supplemental Information Letter
										8/14/2017			Email with Notice of Schedule
Scott County	Chief County Assessment Officer	Lorrie Koch	35 E Market Street	Winchester	IL	62694	217-742-5751	scottcoassessor@frontier.com		10/6/2016	10/6/2016	Ms. Koch	Telephone
Greene County, Illinois													
Greene County SWCD	Administrative Coordinator	Annyce Winters	RR3, Box 129	Carrollton	IL	62016	217-942-5464	annyce.winters@il.nacdnet.net		7/29/2016			Notice of Prefiling Letter
										8/5/2016			Open House Invitation Letter
										3/28/2017			Supplemental Information Letter
										8/14/2017		Delivery Failed	Email with Notice of Schedule
										7/29/2016			Notice of Prefiling Letter
Greene County	Floodplain Management	Stan Crusius	519 N. Main St	Carrollton	IL	62016	217-942-5443		Floodplain Permit	8/5/2016			Open House Invitation Letter
										3/28/2017			Supplemental Information Letter
										10/12/2016	10/12/2016	Ms. Banghart	Telephone
Roodhouse, Illinois	City Clerk	Patty Plahn					217-589-4351			10/12/2016	10/12/2016	Ms. Plahn	Telephone
White Hall, Illinois	City Clerk	Mona McMillan	116 East Sherman Street	White Hall	IL	62092	217-374-2345			10/12/2016	10/12/2016	Ms. McMillan	Telephone
Carrollton, Illinois	City Clerk	Mike Schneider					217-942-3814			10/12/2016	10/12/2016		Telephone
										10/17/2016	10/17/2016	Mr. Schneider	Telephone

**Spire STL Pipeline
Agency Correspondence Tracking List**

Agency Correspondence - Federal, State, Local Agencies, and Native American Tribes

Agency	Region/ Division	Contact Name	Address	City	State	Zip	Contact Phone	Contact Email	Permit/Clearance/ Approval	Date Sent	Response Type/ Date	Responding Contact	Correspondence
Jersey County, Illinois													
Jersey County SWCD	Resource Conservationist	Jeff Blackorby	604 E. Franklin	Jerseyville	IL	62052	618-498-3712	jeff.blackorby@il.nacrdnet.net		7/29/2016			Notice of Prefiling Letter
										8/5/2016			Open House Invitation Letter
										9/7/2016			Email
										9/28/2016	11/3/2016	Mr. Blackorby	Email
										3/28/2017			Supplemental Information Letter
										8/14/2017			Email with Notice of Schedule
										8/16/2017	8/16/2017	Mr. Blackorby	Meeting
Jersey County	Code Administrator	Cindy Cregmiles	200 N. Lafayette, Suite 6	Jerseyville	IL	62052	618-498-5571 x146	codeadmin1@jerseycounty-il.us	Floodplain and Stormwater Development Permits	7/29/2016			Notice of Prefiling Letter
										8/5/2016			Open House Invitation Letter
										12/12/2016	12/12/2016	Ms. Cregmiles	Telephone
										3/28/2017			Supplemental Information Letter
										6/7/2017	6/7/2017	Ms. Cregmiles	Telephone
										7/10/2017	7/10/2017	Ms. Cregmiles	Telephone
										8/14/2017			Email with Notice of Schedule
										8/16/2017	8/16/2017	Ms. Cregmiles	Meeting
										8/23/2017	9/14/2017	Ms. Cregmiles	Email
										9/6/2017	9/6/2017	Ms. Cregmiles	Telephone
										9/7/2017	9/7/2017	Ms. Cregmiles	Email
										9/14/2017	9/14/2017	Ms. Cregmiles	Telephone and Email
										9/14/2017	9/15/2017	Ms. Cregmiles	Email
										-	9/22/2017	Ms. Cregmiles	Email with Letter (dated 9/18/2017)
										9/25/2017	9/25/2017	Ms. Cregmiles	Telephone and Email
										11/14/2017			Permit Application
										11/21/2017			Voicemail
										6/22/2018			Email and Permit Update
										6/22/2018	7/20/2018	Ms. Cregmiles	Email and Permit Update
										7/18/2018	7/18/2018	Ms. Cregmiles	Email and Telephone
7/20/2018			Email										
7/27/2018			Email										
Jersey County	Code Administration	Derek Russell	200 N. Lafayette, Suite 6	Jerseyville	IL	62052	618-498-5571, ext. 145	codeadmin@jerseycounty-il.us		8/16/2017	8/16/2017	Mr. Russell	Meeting
										-	8/23/2017	Mr. Russell	Email
										-	11/21/2017	Mr. Russell	Email
										11/27/2017	11/27/2017	Mr. Russell	Email
										12/27/2017	12/27/2017	Mr. Russell	Email
										-	12/28/2017	Mr. Russell	Email
										1/4/2018	1/4/2018	Mr. Russell	Email
										1/31/2018	1/31/2018	Mr. Russell	Email
										3/27/2018	3/27/2018	Mr. Russell	Email and Telephone
										6/22/2018			Email and Permit Update
7/18/2018			Email										
Jersey County	Planning and Zoning	Craig McGraw					618-498-5571, ext. 112	codeadmin1@jerseycounty-il.us		10/6/2016	10/6/2016	Mr. McGraw	Telephone
										10/6/2016	10/6/2016	Mr. McGraw	Email
										12/8/2016	12/9/2016	Mr. McGraw	Email
Jersey County	Highway Department	Tom Klasner					618-498-6074			6/7/2017	6/7/2017	Mr. Klasner	Telephone
University of Illinois	Illinois Natural History Survey - Prairie Research Institute	Christopher Phillips	1885 Natural Resources Bldg, 607 E. Peabody Dr	Champaign	IL	61820	217-244-7077	cphilli@illinois.edu , lithasia@gmail.com	Timber Rattlesnake Survey Information	8/26/2016	8/26/2016	Mr. Phillips	Telephone
										8/29/2016	8/29/2016	Mr. Phillips	Email
										9/1/2016	9/1/2016	Mr. Phillips	Email
										9/1/2016	9/1/2016	Mr. Phillips	Telephone
										10/17/2016	10/17/2016	Mr. Phillips	Email
St. Charles County, Missouri													
St. Charles County SWCD	District Manager	Frankie Coleman	160 St. Peters Centre Blvd	St. Peters	MO	63376	636-922-2833	frankie.coleman@swcd.mo.gov		9/7/2016	9/16/2016	Mr. Coleman	Email
										9/28/2016			Email
										3/28/2017			Supplemental Information Letter
St. Charles County SWCD		Charles Perkins								8/14/2017			Email with Notice of Schedule
											9/30/2016	Mr. Perkins	Telephone

**Spire STL Pipeline
Agency Correspondence Tracking List**

Agency Correspondence - Federal, State, Local Agencies, and Native American Tribes

Agency	Region/ Division	Contact Name	Address	City	State	Zip	Contact Phone	Contact Email	Permit/Clearance/ Approval	Date Sent	Response Type/ Date	Responding Contact	Correspondence
St. Charles County	Community Development Department	Rich Gnecco	201 N Second St	St. Charles	MO	63301	636-949-1814 x7160	RGnecco@sccmo.org		7/29/2016			Notice of Prefiling Letter
										8/5/2016			Open House Invitation Letter
										3/28/2017			Supplemental Information Letter
										6/8/2017			Voicemail
										6/13/2017	6/13/2017	Mr. Gnecco	Voicemail and Telephone
										8/16/2017	8/16/2017	Mr. Gnecco	Meeting
										8/23/2017	9/14/2017	Mr. Gnecco	Email
										9/6/2017			Voicemail
										9/18/2017			Telephone and Email
										9/28/2017	9/28/2017	Mr. Gnecco	Email
										-	10/4/2017	Mr. Gnecco	Email
										-	10/11/2017	Mr. Gnecco	Email
										10/24/2017	10/24/2017	Mr. Gnecco	Telephone
										10/25/2017	10/25/2017	Mr. Gnecco	Email
										10/25/2017	10/25/2017	Mr. Gnecco	Email
										11/21/2017	11/27/2017	Mr. Gnecco	Permit Applications; Email
										11/29/2017	11/29/2017	Mr. Gnecco	Email
										11/30/2017	12/1/2017	Mr. Gnecco	Email
										12/12/2017			Email
										2/5/2018	2/6/2018	Mr. Gnecco	Email
-	5/7/2018	Mr. Gnecco	Email										
5/9/2018	5/9/2018	Mr. Gnecco	Email										
5/10/2018			Email										
St. Charles County		Joseph Gantner	201 N Second St	St. Charles	MO	63301	636-949-7900 x7143	jgantner@sccmo.org		-	12/19/2017	Mr. Gantner	Email
										12/21/2017			Email
										1/3/2018	1/3/2018	Mr. Gantner	Email
										1/12/2018			Response to Comments; Email
										-	1/18/2018	Mr. Gantner	Email
										-	1/24/2018	Mr. Gantner	Email
										1/25/2018	1/25/2018	Mr. Gantner	Telephone
										1/31/2018	1/31/2018	Mr. Gantner	Email
										2/1/2018	2/2/2018	Mr. Gantner	Email
										8/10/2016	8/10/2016	Mr. Baron	Telephone
-	8/12/2016	Mr. Baron	Email										
-	8/17/2016	Mr. Baron	Email										
7/7/2017	7/7/2017	Mr. Baron	Telephone										
8/16/2017		Mr. Baron	Meeting										
St. Charles County	Floodplain Vision Board	Ellie Marr	201 N Second St	St. Charles	MO	63301	636-949-7900 x7235	emarr@sccmo.org	Floodplain Permits	7/29/2016			Notice of Prefiling Letter
										8/5/2016			Open House Invitation Letter
										3/28/2017			Supplemental Information Letter
										8/14/2017			Email with Notice of Schedule
										8/16/2017	8/16/2017	Ms. Marr	Meeting
										9/7/2017	9/7/2017	Ms. Marr	Telephone
										1/17/2018	1/17/2018	Ms. Marr	Email
										1/22/2018			Letter
										2/1/2018			Email
										St. Charles County	Development Review Department	John Baron	201 N Second St
8/16/2017													
St. Charles County	Highway Department	Charles Kuehler	201 N Second St	St. Charles	MO	63301	636-949-7305	ckuehler@sccmo.org	Special Use Permits	6/8/2017	6/8/2017	Mr. Kuehler	Telephone
										9/13/2016	9/26/2016	Mr. Myers	Email
										9/28/2016	9/28/2016	Mr. Myers	Email
										12/8/2016	12/8/2016	Mr. Myers	Email
										7/29/2016			Notice of Prefiling Letter
										8/5/2016			Open House Invitation Letter
										10/6/2016	10/12/2016	Mr. Farley	Voicemail and Telephone
City of West Alton	Planning and Zoning Commissioner	Jason Farley	P.O. Box 42, West Alton City Hall	West Alton	MO	63386	314-306-4695		Land Use Permit	3/28/2017			Supplemental Information Letter
										10/20/2017			Voicemail
										10/24/2017			Voicemail
										7/29/2016			Notice of Prefiling Letter
										8/5/2016			Open House Invitation Letter
City of West Alton	Floodplain Administrator	Janet Neustadt	P.O. Box 42, West Alton City Hall	West Alton	MO	63386	636-899-0233	janetneustadt@gmail.com	Floodplain Permit	3/28/2017			Supplemental Information Letter
										11/6/2017			Email
										11/21/2017			Permit Applications
										11/29/2017	11/29/2017	Ms. Neustadt	Telephone
										12/28/2017			Email
										1/3/2018	1/3/2018	Ms. Neustadt	Voicemail and Email
										1/8/2018	1/8/2018	Ms. Neustadt	Email and Permit Approvals

**Spire STL Pipeline
Agency Correspondence Tracking List**

Agency Correspondence - Federal, State, Local Agencies, and Native American Tribes

Agency	Region/ Division	Contact Name	Address	City	State	Zip	Contact Phone	Contact Email	Permit/Clearance/ Approval	Date Sent	Response Type/ Date	Responding Contact	Correspondence
Consolidated North County Levee District	President	Kevin Machens	P.O Box 186	Portage Des Sioux	MO	63373	314-750-2519	skmachens@live.com	Letter of Endorsement	7/14/2016			Voicemail and Email
										7/29/2016			Notice of Prefiling Letter
										8/3/2016	8/3/2016		Meeting
										8/5/2016			Open House Invitation Letter
										9/15/2016	9/15/2016	Mr. Machens	Telephone and Email
										9/29/2016	9/29/2016	Mr. Machens	Telephone
										3/28/2017			Supplemental Information Letter
										8/14/2017			Email with Notice of Schedule
										11/21/2017	11/21/2017	Mr. Machens	Meeting
											8/3/2018	Mr. Machens	Letter of No Objection
	Legal Counsel	Kevin Wibbenmeyer	1049 First Capitol Drive	St. Charles	MO	63301	636-724-3355	kwibbenmeyer@wibbenmeyerlaw.com	Letter of Endorsement	-	2/15/2017	Mr. Wibbenmeyer	Email and Letter
										2/20/2017	2/20/2017	Mr. Wibbenmeyer	Telephone
										2/23/2017	3/24/2017	Mr. Wibbenmeyer	Email and Letter
										-	3/24/2017	Mr. Wibbenmeyer	Email
										4/14/2017	4/17/2017	Mr. Wibbenmeyer	Email
										-	5/5/2017	Mr. Wibbenmeyer	Email
										6/20/2017	6/20/2017	Mr. Wibbenmeyer	Meeting
										6/14/2017			Email
										7/31/2017	7/31/2017	Mr. Wibbenmeyer	Meeting
										11/21/2017	11/21/2017	Mr. Wibbenmeyer	Meeting
Engineering Consultant	Gavin Risley	616 North 4th Street	Quincy	IL	62301	217-223-3670	grisley@klingner.com		-	5/12/2017	Mr. Risley	Letter	
									6/14/2017	7/27/2017	Mr. Risley	Email	
City of Cottleville	Public Works Engineer	Rich Francis					636-498-6565		Planned Developments	12/12/2016			Voicemail
City of Dardenne Prairie	Public Works Engineer	Luke Kehoe					636-561-1718		Planned Developments	12/12/2016			Voicemail
City of Flint Hill	City Engineer	Tom Rothermich					636-327-4441		Planned Developments	12/12/2016			Voicemail
City of Foristell	City Engineer	Dale Stokes					636-463-2123		Planned Developments	12/12/2016			Voicemail
City of Lake Saint Louis	Community Development Manager	Brenda Qwellen					636-463-1200		Planned Developments	12/12/2016			Voicemail
City of New Melle		TBD					636-828-4807		Planned Developments	12/15/2016			Voicemail
City of Portage des Sioux	Mayor	Mark Warner					636-899-0640		Planned Developments	12/12/2016	12/12/2016	Mr. Warner	Telephone
										2/3/2017	2/3/2017	Mr. Warner	Telephone
City of St. Charles	Director of Economic Development	David Leezer					636-949-3200		Planned Developments	12/12/2016	12/12/2016	Mr. Leezer	Voicemail and Telephone
City of St. Paul		TBD					636-980-1063		Planned Developments	12/12/2016			Voicemail
City of St. Peters		Melissa Vullmer					636-477-6600		Planned Developments	12/12/2016			Voicemail
City of O'Fallon	Assistant Planning and Development Director	Shannon Gerard					636-379-5467		Planned Developments	12/15/2016			Voicemail
City of Weldon Spring	City Engineer	Joe Nichols					636-441-2110		Planned Developments	12/12/2016	12/13/2016	Mr. Nichols	Voicemail and Telephone
City of Wentzville	City Marketing Director	Dan Lang					636-332-5101		Planned Developments	12/12/2016	12/12/2016	Mr. Lang	Telephone
Town of Augusta		TBD					636-228-4689		Planned Developments	12/15/2016			Voicemail
Cadre Development, LLC		Rowdy Montgomery					314-608-7915		Planned Developments	12/15/2016	12/15/2016	Mr. Montgomery	Telephone

**Spire STL Pipeline
Agency Correspondence Tracking List**

Agency Correspondence - Federal, State, Local Agencies, and Native American Tribes

Agency	Region/ Division	Contact Name	Address	City	State	Zip	Contact Phone	Contact Email	Permit/Clearance/ Approval	Date Sent	Response Type/ Date	Responding Contact	Correspondence
St. Louis County/City, Missouri													
St. Louis County	Department of Highways and Traffic	James M. Knoll	41 South Central Ave	Clayton	MO	63105	314-615-8554	jmknoll@stlouisco.com	Floodplain, Land Disturbance Permits	7/29/2016			Notice of Prefiling Letter
										8/5/2016			Open House Invitation Letter
										3/28/2017	4/4/2017	Mr. Knoll	Supplemental Information Letter and Email
										6/8/2017			Voicemail
										6/13/2017	6/13/2017	Mr. Knoll	Telephone
										8/3/2017	8/3/2017	Mr. Knoll	Telephone
										8/14/2017			Email with Notice of Schedule
										8/23/2017	8/23/2017	Mr. Knoll	Telephone
										8/28/2017		Mr. Knoll	Email
										8/29/2017	8/29/2017	Mr. Knoll	Emails
										11/27/2017			Voicemail
										12/20/2017			Permit Applications
										1/17/2018	1/17/2018	Mr. Marshall	Email
										3/2/2018			Permit Modification
										3/20/2018	3/20/2018	Mr. Marshall	Telephone
										4/4/2018			Email
										4/16/2018			Email
7/31/2018			Email and Hardcopy Comment Response										
St. Louis County	Civil Plan Review Section	Greg Marshall	41 South Central Ave, 6th Floor	Clayton	MO	63105	314-615-8678	gmarshall@stlouisco.com		-	1/17/2018	Mr. Marshall	Email
										1/31/2018	2/1/2018	Mr. Marshall	Email
										2/5/2018	2/7/2018	Mr. Marshall	Email
										2/12/2018			Voicemail
										2/21/2018			Email
										3/12/2018	3/26/2018	Mr. Marshall	Email
										3/20/2018			Voicemail
										-	3/27/2018	Mr. Marshall	Email
										4/4/2018			Email
										4/16/2018	4/20/2018	Mr. Marshall	Email
										4/16/2018	4/25/2018	Mr. Marshall	Email
										4/27/2018	5/4/2018	Mr. Marshall	Email
										4/27/2018	4/27/2018	Mr. Marshall	Email
										5/23/2018	5/24/2018	Mr. Marshall	Email
7/31/2018			Email and Hardcopy Comment Response										
St. Louis County	Supervisor	Jennifer Riley					314-615-8548		Floodplain, Land Disturbance Permits	8/29/2017			Emails
										8/29/2017	8/29/2017	Ms. Riley	Conference Call
										11/29/2017	11/29/2017	Ms. Riley	Telephone
St. Louis County	Department of Planning	Gail Choate					314-615-2520			10/6/2016	10/6/2016	Ms. Choate	Telephone
St. Louis County	Permit Processing	Penny Martin	41 South Central St	St. Louis	MO	63105	314-615-8701	pmartin@stlouisco.com		-	12/22/2017	Ms. Martin	Email
										12/27/2017			Email
										1/3/2018			Voicemail
										-	1/8/2018	Ms. Martin	Email
Spanish Lake Community Association		TBD	11726 Larimore Rd	St. Louis	MO	63138				8/5/2016			Open House Invitation Letter
Explore St. Louis	Senior Administrative Assistant	Linda Mattus	701 Convention Plaza, Suite 300	St. Louis	MO	63101	314-992-0633	lmattus@explorestlouis.com		12/13/2016	12/13/2016	Ms. Mattus	Telephone and Email
City of St. Louis Water Division	Director of Public Utilities	Curtis Skouby, PE	1640 S. Kingshighway	St. Louis	MO	63110	314-633-9000			2/2/2017	2/2/2017	Mr. Skouby	Telephone
St. Louis County SWCD		Jennifer Fear	160 St. Peters Centre Blvd	St. Peters	MO	63376	636-922-2833	Jenn.Fear@swcd.mo.gov		3/1/2017	3/1/2017	Ms. Fear	Telephone
										3/28/2017			Supplemental Information Letter
										8/14/2017			Email with Notice of Schedule

**Spire STL Pipeline
Agency Correspondence Tracking List**

Agency Correspondence - Federal, State, Local Agencies, and Native American Tribes

Agency	Region/ Division	Contact Name	Address	City	State	Zip	Contact Phone	Contact Email	Permit/Clearance/ Approval	Date Sent	Response Type/ Date	Responding Contact	Correspondence	
Metropolitan St. Louis Sewer District	Civil Engineer	Jeff Hennigh	2350 Market Street	St. Louis	MO	63103	314-768-6343	jhennigh@stlmsd.com		11/29/2017	11/29/2017	Mr. Hennigh	Telephone	
										12/8/2018	12/8/2017	Mr. Hennigh	Telephone and Email	
										12/14/2017	1/9/2018	Mr. Hennigh	Email	
										1/17/2018	1/17/2018	Mr. Hennigh	Telephone	
										1/19/2018	1/19/2018	Mr. Hennigh	Telephone	
										1/31/2018	1/31/2018	Mr. Hennigh	Email	
										2/21/2018	2/22/2018	Mr. Hennigh	Email	
										3/19/2018	3/19/2018	Mr. Hennigh	Email	
										3/27/2018	3/28/2018	Mr. Hennigh	Email	
										3/28/2018	3/28/2018	Mr. Hennigh	Email	
										3/30/2018			Email	
										4/1/2018	4/2/2018	Mr. Hennigh	Email	
										4/2/2018	4/2/2018	Mr. Hennigh	Telephone	
										Native American Tribes				
Absentee-Shawnee Tribe of Indians of Oklahoma	Tribal Historic Preservation Officer	Leonard Longhorn	2025 South Gordon Cooper Drive	Shawnee	OK	74801	405-275-4030	leonard.longhorn@astribe.com	Native American Coordination	6/30/2016			Telephone Message	
	Tribal Historic Preservation Officer	Ms. Erin Thompson	2025 South Gordon Cooper Drive	Shawnee	OK	74801	405-275-4030, ext 6340	ethompson@astribe.com		7/29/2016			Notice of Prefiling Letter	
	Governor	Ms. Edwina Bulter-Wolfe	2025 South Gordon Cooper Drive	Shawnee	OK	74801				8/16/2016			Open House Invitation Letter	
Cherokee Nation	Cultural Resources	Dr. Richard Allen	PO Box 948	Tahlequah	OK	74465	918-456-6485		Native American Coordination	3/24/2017			Voice mail	
	Chief	Bill John Baker	PO Box 948	Tahlequah	OK	74465				3/31/2017			Supplemental Information Letter	
	Administrative Liaison	Pat Gwin	PO Box 948	Tahlequah	OK	74465	918-453-5000			3/31/2017			Supplemental Information Letter	
	Special Projects Officer	Elizabeth Toombs	PO Box 948	Tahlequah	OK	74465	918-453-5389	elizabeth-toombs@cherokee.org		-	4/4/2017			Letter
										4/12/2017				Email
Delaware Nation	Director of Cultural Preservation	Ms. Nekole Alligood	P.O. Box 825 31064 State Highway 281	Anadarko	OK	73005	405-247-2448	nalligood@delawarenation.com	Inadvertent Finds Coordination	8/18/2017	8/31/2017	Ms. Toombs	Email with Notice of Schedule	
	President	Mr. Kerry Holton	PO Box 825	Anadarko	OK	73005				6/30/2016				Telephone Message
	Section 106 Manager	Mr. John Ross	PO Box 825	Anadarko	OK	73005				7/29/2016				Notice of Prefiling Letter
	Section 106	Kim Penrod	PO Box 825	Anadarko	OK	73005		kpenrod@delawarenation.com		8/16/2016				Open House Invitation Letter
Delaware Tribe of Indians	Historic Preservation Office	Dr. Brice Obermeyer	1200 Commercial Street Roosevelt Hall, Room 212	Emporia	KS	66801	918-335-7026	bobermeyer@delawaretribe.org	Native American Coordination	3/24/2017	3/24/2017	Reception	Telephone Message and Voice mail	
	Chief	Chet Brooks	5100 Tuxedo Boulevard	Bartlesville	OK	74006		cbrooks@delawaretribe.org		3/31/2017				Supplemental Information Letter
Eastern Shawnee Tribe of Oklahoma	Cultural Preservation Director	Ms. Robin Dushane	P.O. Box 350 127 West Oneida	Seneca	MO	64865	918-666-2435, ext. 247 (Office) 918-801-6677 (Cell)	radushane@gmail.com	Native American Coordination	8/14/2017			Email with Notice of Schedule	
	Chief	Glenna J Wallace	12755 S 705 Rd	Wyandotte	OK	74370				6/30/2016				Voice mail

**Spire STL Pipeline
Agency Correspondence Tracking List**

Agency Correspondence - Federal, State, Local Agencies, and Native American Tribes

Agency	Region/ Division	Contact Name	Address	City	State	Zip	Contact Phone	Contact Email	Permit/Clearance/ Approval	Date Sent	Response Type/ Date	Responding Contact	Correspondence
Ho-Chunk Nation	THPO	Bill Quackenbush	PO Box 667	Black River Falls	WI	54615	715-284-7181 x1121	bill.quackenbush@ho-chunk.com	Native American Coordination	10/19/2016	10/19/2016	Mr. Quackenbush	Telephone
										10/27/2016			Letter
										10/28/2016			Email
										1/31/2017			Hardcopy of Phase I Reports
										3/28/2017	3/28/2017	Staff	Telephone Message
										3/31/2017			Supplemental Information Letter
										4/13/2017			Email
										4/21/2017			Hardcopy of Phase I Addendum Reports
										7/14/2017			Hardcopy of Phase I Addendum II and Phase II Reports
										8/14/2017			Email with Notice of Schedule
										9/29/2017			CD of Phase I Addendum III Reports
										12/5/2017			CD of Phase I Addendum IV Reports
										1/11/2018			CD of Phase I Addendum V Reports
										2/27/2018			CD of Phase I Addendum VI Reports
6/25/2018			CD of Phase I Addendum VII, Phase II and Avoidance Plan Reports										
6/29/2018			CD of SHPO Correspondence										
Ho-Chunk Nation	President	Mr. Wilford Cleveland	PO Box 667	Black River Falls	WI	54615				3/31/2017			Supplemental Information Letter
	Huron Potawatomi Nation	Council/Board	Robyn Burlingham	1484 Mno-Bmadzewen Way	Fulton	MI	49502	269-704-8373	rburlingham@nhbpi.com	Native American Coordination	10/19/2016	10/19/2016	Ms. Burlingham
10/27/2016				Letter									
3/28/2017				Voicemail									
Huron Potawatomi Nation	Cultural Specialist	Mon-ee Zapata	311 State Street	Grand Rapids	MI	49503			Native American Coordination	3/31/2017			Supplemental Information Letter
	8/14/2017			Email with Notice of Schedule									
	3/31/2017			Supplemental Information Letter									
Huron Potawatomi Nation	Chairman	Jamie Stuck	2221 1 1/2 Mile Road	Fulton	MI	49052		jstuck@nhbpi.com	Native American Coordination	8/14/2017			Email with Notice of Schedule
	3/31/2017			Supplemental Information Letter									
	8/14/2017			Email with Notice of Schedule									
Iowa Tribe of Kansas and Nebraska	Tribal Historic Preservation Officer	Mr. Lance M. Foster	3345 B. Thrasher Road	White Cloud	KS	66094	785-595-3258	lfoster@iowas.org	Native American Coordination	6/30/2016	7/6/2016	Mr. Foster	Telephone
										7/29/2016			Notice of Prefiling Letter
										8/16/2016			Open House Invitation Letter
										1/31/2017			Hardcopy of Phase I Reports
										3/27/2017	3/27/2017	Reception	Telephone Message
										3/31/2017			Supplemental Information Letter
										4/21/2017			Hardcopy of Phase I Addendum Reports
										7/14/2017			Hardcopy of Phase I Addendum II and Phase II Reports
										8/14/2017			Email with Notice of Schedule
										9/29/2017			CD of Phase I Addendum III Reports
										12/5/2017			CD of Phase I Addendum IV Reports
										1/11/2018			CD of Phase I Addendum V Reports
										2/27/2018			CD of Phase I Addendum VI Reports
										6/25/2018			CD of Phase I Addendum VII, Phase II and Avoidance Plan Reports
6/29/2018			CD of SHPO Correspondence										
Iowa Tribe of Kansas and Nebraska	Chairman	Mr. Timothy Rhoad	3345 B. Thrasher Road	White Cloud	KS	66094	785-595-3347			3/31/2017			Supplemental Information Letter

**Spire STL Pipeline
Agency Correspondence Tracking List**

Agency Correspondence - Federal, State, Local Agencies, and Native American Tribes

Agency	Region/ Division	Contact Name	Address	City	State	Zip	Contact Phone	Contact Email	Permit/Clearance/ Approval	Date Sent	Response Type/ Date	Responding Contact	Correspondence
Iowa Tribe of Oklahoma	Division Director	Patrick Durham	R.R. 1, Box 721	Perkins	OK	74059-9599	405-547-5433, ext-350	pdurham@iowanation.org	Native American Coordination	6/30/2016	6/30/2016	Mr. Durham	Telephone
										7/29/2016			Notice of Prefiling Letter
										8/16/2016			Open House Invitation Letter
										3/27/2017			Voicemail
										3/31/2017			Supplemental Information Letter
	4/21/2017			Hardcopy of Phase I Addendum Reports									
	7/14/2017			Hardcopy of Phase I Addendum II and Phase II Reports									
	8/14/2017		Delivery Failed	Email with Notice of Schedule									
	3/31/2017			Supplemental Information Letter									
	8/14/2017			Email with Notice of Schedule									
	9/29/2017			CD of Phase I Addendum III Reports									
	12/5/2017			CD of Phase I Addendum IV Reports									
	1/11/2018			CD of Phase I Addendum V Reports									
	2/27/2018			CD of Phase I Addendum VI Reports									
	6/25/2018			CD of Phase I Addendum VII, Phase II and Avoidance Plan Reports									
6/29/2018			CD of SHPO Correspondence										
8/14/2017			Email with Notice of Schedule										
	Acting Tribal Administrator	Renee Hagler					405-547-2402	rhagler@iowanation.org					

**Spire STL Pipeline
Agency Correspondence Tracking List**

Agency Correspondence - Federal, State, Local Agencies, and Native American Tribes

Agency	Region/ Division	Contact Name	Address	City	State	Zip	Contact Phone	Contact Email	Permit/Clearance/ Approval	Date Sent	Response Type/ Date	Responding Contact	Correspondence										
Kaw Indian Nation of Oklahoma	Museum Director	Ms. Crystal Douglas	Drawer 50	Kaw City	OK	74641	580-269-2552	Crystal_douglas@kawnation.com	Native American Coordination	6/30/2016	6/30/2016	Ms. Douglas	Telephone										
										8/16/2016			Open House Invitation Letter										
										8/30/2016			Voicemail										
										9/6/2016			Email										
										9/21/2016	9/21/2016	Ms. Douglas	Telephone										
										12/19/2016	12/19/2016	Ms. Douglas	Telephone										
										1/31/2017			Hardcopy of Phase I Reports										
										3/27/2017	3/27/2017	Ms. Douglas	Telephone										
										3/29/2017			Email										
										3/31/2017			Supplemental Information Letter										
										-	4/4/2017	Ms. Douglas	Voicemail										
										4/7/2017	4/7/2017	Ms. Douglas	Telephone										
	4/21/2017			Hardcopy of Phase I Addendum Reports																			
	7/14/2017			Hardcopy of Phase I Addendum II and Phase II Reports																			
	8/14/2017			Email with Notice of Schedule																			
	9/29/2017			CD of Phase I Addendum III Reports																			
	12/5/2017			CD of Phase I Addendum IV Reports																			
	1/11/2018			CD of Phase I Addendum V Reports																			
	2/27/2018			CD of Phase I Addendum VI Reports																			
	6/25/2018			CD of Phase I Addendum VII, Phase II and Avoidance Plan Reports																			
	6/29/2018			CD of SHPO Correspondence																			
	Kaw Indian Nation of Oklahoma	Chairman	Ms. Jaclyn Secordine Hensley	Drawer 50	Kaw City	OK	74641		execsec@kawnation.com	Native American Coordination	7/29/2016, 8/9/16			Notice of Prefiling Letter, courtesy follow up copy by email									
8/16/2016													Open House Invitation Letter										
9/6/2016													Email										
1/31/2017													Hardcopy of Phase I Reports										
3/29/2017													Email										
3/31/2017													Supplemental Information Letter										
4/21/2017													Hardcopy of Phase I Addendum Reports										
7/14/2017													Hardcopy of Phase I Addendum II and Phase II Reports										
8/14/2017													Email with Notice of Schedule										
9/29/2017													CD of Phase I Addendum III Reports										
12/5/2017													CD of Phase I Addendum IV Reports										
1/11/2018													CD of Phase I Addendum V Reports										
2/27/2018													CD of Phase I Addendum VI Reports										
6/25/2018													CD of Phase I Addendum VII, Phase II and Avoidance Plan Reports										
6/29/2018													CD of SHPO Correspondence										
Kickapoo Tribe in Kansas											NAGPRA Director	Ms. Nellie Cadue	1107 Gold Finch Road P.O. Box 274	Horton	KS	64439	785-486-2601, ext-5		Native American Coordination	6/30/2016			Voicemail
											Legal	Eric Sheets					785-748-4281			7/29/2016			Notice of Prefiling Letter
																				8/16/2016			Open House Invitation Letter
	Section 106	Ms. Bernadette Thomas	1107 Gold Finch Road	Horton	KS	64439-9537	785-486-3404		3/27/2017	3/27/2017	Mr. Sheets	Telephone											
	Chairman	Lester Randall	824 111th Drive	Horton	KS	64439			3/31/2017				Supplemental Information Letter										
Kickapoo Traditional Tribe of Texas	Director	Mr. Juan Garza, Jr.	HCR 1, Box 9700	Eagle Pass	TX	78852	830-758-1936	juangarza73@yahoo.com	Native American Coordination	6/30/2016			Voicemail										
										7/29/2016	Delivery Refused		Notice of Prefiling Letter										
										8/16/2016			Open House Invitation Letter										
										3/27/2017			Voicemail										
	3/31/2017			Supplemental Information Letter																			
	8/14/2017		Delivery Failed	Email with Notice of Schedule																			
	Chairman	Mr. Estavio Elizondo	2122 Rosita Valley Drive	Eagle Pass	TX	78852																	
	Paralegal, Legal Department	Mr. Hector H. Gonzalez	PO Box 2505	Eagle Pass	TX	78852	830-421-5899	hector.gonzalez@kttttribe.org			-	5/10/2017	Mr. Gonzalez	Email									
									8/14/2017			Email with Notice of Schedule											

**Spire STL Pipeline
Agency Correspondence Tracking List**

Agency Correspondence - Federal, State, Local Agencies, and Native American Tribes

Agency	Region/ Division	Contact Name	Address	City	State	Zip	Contact Phone	Contact Email	Permit/Clearance/ Approval	Date Sent	Response Type/ Date	Responding Contact	Correspondence
Kickapoo Tribe of Oklahoma	Attorney/ Preservation Rep	Kent Collier	PO Box 70	McCloud	OK	74851	405-964-4227	kentcollier@kickapootribeofoklahoma.com	Native American Coordination	6/30/2016			Attempted Telephone Call, No Response
										7/29/2016			Notice of Prefiling Letter
	8/16/2016			Open House Invitation Letter									
	3/27/2017	3/27/2017	Staff	Telephone Message									
	3/31/2017			Supplemental Information Letter									
	8/14/2017			Email with Notice of Schedule									
Chairman	Mr. Gilbert Salazar	PO Box 70	McCloud	OK	74851				3/31/2017			Supplemental Information Letter	
Match-e-be-nash-she-wish Band of Potawatomi Indians of Michigan	THPO	DJ Hoffman	PO Box 218	Dorr	MI	49323	906-632-6896		Native American Coordination	10/19/2016			Telephone, Voicemail
										10/27/2016	Unable to Forward		Letter
	3/28/2017			Voicemail									
	3/31/2017		Returned	Supplemental Information Letter									
	3/31/2017			Supplemental Information Letter									
THPO	Sydney Martin	3556 26th Street	Hopkins	MI	49328				3/31/2017			Supplemental Information Letter	
Chairman	Mr. Scott Sprague	2872 Mission Drive	Shelbyville	MI	49344				3/31/2017			Supplemental Information Letter	
Miami Tribe of Oklahoma	Acting Tribal Historic Preservation Officer	Ms. Diane Hunter	P.O. Box 1326	Miami	OK	74355	918-541-8966	dhunter@miamination.com	Native American Coordination	6/30/2016	6/30/2016	Ms. Hunter	Telephone
			3410 P Street NW	Miami	OK	74354				7/29/2016, 8/9/16			Notice of Prefiling Letter, courtesy follow up copy by email
										-	8/12/2016	Ms. Hunter	Email
										8/16/2016			Open House Invitation Letter
										3/7/2017	3/7/2017	Ms. Hunter	Voicemail and Telephone
										3/7/2017			Hardcopy of Phase I Reports
										3/31/2017			Supplemental Information Letter
										4/21/2017			Hardcopy of Phase I Addendum Reports
										7/14/2017			Hardcopy of Phase I Addendum II and Phase II Reports
										8/14/2017			Email with Notice of Schedule
										9/29/2017			CD of Phase I Addendum III Reports
										12/5/2017			CD of Phase I Addendum IV Reports
										1/11/2018			CD of Phase I Addendum V Reports
										2/27/2018			CD of Phase I Addendum VI Reports
										6/25/2018			CD of Phase I Addendum VII, Phase II and Avoidance Plan Reports
	6/29/2018			CD of SHPO Correspondence									
Chief	Douglas Lankford	PO Box 1326	Miami	OK	74355				3/31/2017			Supplemental Information Letter	

**Spire STL Pipeline
Agency Correspondence Tracking List**

Agency Correspondence - Federal, State, Local Agencies, and Native American Tribes

Agency	Region/ Division	Contact Name	Address	City	State	Zip	Contact Phone	Contact Email	Permit/Clearance/ Approval	Date Sent	Response Type/ Date	Responding Contact	Correspondence
Osage Nation	Archaeologist	John Fox	P.O. Box 779 627 Grandview	Pawhuska	OK	74056	918-287-5328	ahunter@osagetribe.org	Native American Coordination	6/30/2016	6/30/2016	Mr. Fox	Telephone
										7/29/2016	8/16/2016	Mr. Fox	Notice of Prefiling Letter; Email Response
										8/16/2016			Open House Invitation Letter
										8/18/2016	8/18/2016	Mr. Fox	Telephone
										9/6/2016			Email
										12/19/2016	12/19/2016	Mr. Fox	Telephone
										1/31/2017		Rejected	Hardcopy of Phase I Reports
										3/3/2017	3/3/2017	Mr. Fox	Telephone
										3/6/2017	3/6/2017	Reception	Resend Hardcopy of Phase I Reports and Telephone Message
										3/31/2017			Supplemental Information Letter
										4/21/2017			Hardcopy of Phase I Addendum Reports
										8/14/2017			Email with Notice of Schedule
										9/29/2017			CD of Phase I Addendum III Reports
										12/5/2017			CD of Phase I Addendum IV Reports
										1/11/2018			CD of Phase I Addendum V Reports
	2/27/2018			CD of Phase I Addendum VI Reports									
	6/25/2018			CD of Phase I Addendum VII, Phase II and Avoidance Plan Reports									
	6/28/2018			Hardcopy and CD of SHPO Correspondence and Reports									
	7/12/2018	7/12/2018	Mr. Fox	Telephone									
	7/20/2018	7/20/2018	Mr. Fox	Email and Comment Letter									
	7/23/2018	7/23/2018	Mr. Fox	Telephone									
	-	3/1/2017	Dr. Hunter	Email									
	3/31/2017			Supplemental Information Letter									
	4/21/2017			Hardcopy of Phase I Addendum Reports									
	7/14/2017			Hardcopy of Phase I Addendum II and Phase II Reports									
	8/14/2017			Email with Notice of Schedule									
	9/29/2017			CD of Phase I Addendum III Reports									
	12/5/2017			CD of Phase I Addendum IV Reports									
	1/11/2018			CD of Phase I Addendum V Reports									
	2/27/2018			CD of Phase I Addendum VI Reports									
	6/25/2018			CD of Phase I Addendum VII, Phase II and Avoidance Plan Reports									
	6/28/2018			Hardcopy and CD of SHPO Correspondence and Reports									
		7/20/2018	Dr. Hunter	Comment Letter									
Chief	Geoffrey Standing Bear	627 Grandview Avenue	Pawhuska	OK	74056				3/31/2017			Supplemental Information Letter	
	Amy Bledsoe							abledsoe@osagenation-nsn.gov		6/22/2018			Email
Archaeologist	James Munkres	627 Grandview Avenue	Pawhuska	OK	74056	918-287-5328		jwmunkres@osagenation-nsn.gov		6/27/2018	Mr. Munkres		Email

**Spire STL Pipeline
Agency Correspondence Tracking List**

Agency Correspondence - Federal, State, Local Agencies, and Native American Tribes

Agency	Region/ Division	Contact Name	Address	City	State	Zip	Contact Phone	Contact Email	Permit/Clearance/ Approval	Date Sent	Response Type/ Date	Responding Contact	Correspondence
Peoria Tribe of Indians of Oklahoma		Logan Pappenfort	PO Box 1527 118 S. Eight Tribes Trails	Miami	OK	74355	918-540-2535	lpappenfort@peoriatribe.com	Native American Coordination	7/1/2016			Voicemail
										7/29/2016			Notice of Prefiling Letter
										8/16/2016			Open House Invitation Letter
										3/28/2017	3/28/2017	Mr. Pappenfort	Telephone
										3/31/2017			Supplemental Information Letter
										4/13/2017			CD of Phase I Reports
										4/21/2017			Hardcopy of Phase I Addendum Reports
										7/14/2017			Hardcopy of Phase I Addendum II and Phase II Reports
										8/14/2017			Email with Notice of Schedule
										9/29/2017			CD of Phase I Addendum III Reports
										12/5/2017			CD of Phase I Addendum IV Reports
										1/11/2018			CD of Phase I Addendum V Reports
										2/27/2018			CD of Phase I Addendum VI Reports
6/25/2018			CD of Phase I Addendum VII, Phase II and Avoidance Plan Reports										
6/29/2018			CD of SHPO Correspondence										
3/31/2017			Supplemental Information Letter										
Ponca Tribe of Nebraska	Tribal Historic Preservation Officer	Mr. Shannon Wright	P.O. Box 288	Niobrara	NE	68760	402-857-3519	swright@poncatrbe-ne.org	Native American Coordination	7/1/2016	7/1/2016	Mr. Wright	Telephone
										7/29/2016			Notice of Prefiling Letter
										8/16/2016			Open House Invitation Letter
										1/31/2017			Hardcopy of Phase I Reports
										3/28/2017	3/28/2017	Mr. Wright	Telephone
										3/31/2017			Supplemental Information Letter
										4/21/2017			Hardcopy of Phase I Addendum Reports
										7/14/2017			Hardcopy of Phase I Addendum II and Phase II Reports
										8/18/2017			Email with Notice of Schedule
										9/29/2017			CD of Phase I Addendum III Reports
										12/5/2017			CD of Phase I Addendum IV Reports
										1/11/2018			CD of Phase I Addendum V Reports
										2/27/2018			CD of Phase I Addendum VI Reports
6/25/2018			CD of Phase I Addendum VII, Phase II and Avoidance Plan Reports										
6/29/2018			CD of SHPO Correspondence										
3/31/2017			Supplemental Information Letter										
Ponca Tribe of Oklahoma	Tribal Historic Preservation Officer	Ms. Halona Clawson	20 White Eagle Drive	Ponca City	OK	74601	580-762-8104	halona.clawson@ponca.com	Native American Coordination	7/1/2016			Attempted Telephone Call, No Response
										7/29/2016			Notice of Prefiling Letter
										8/16/2016			Open House Invitation Letter
Ponca Tribe of Oklahoma	Chairman	Mr. Earl S. Howe III	20 White Eagle Drive	Ponca City	OK	74601			Native American Coordination	3/28/2017			Voicemail
										3/31/2017			Supplemental Information Letter
										8/14/2017			Email with Notice of Schedule
Citizen Potawatomi Nation		Andrew Gourd	1601 S. Gordon Cooper Drive	Shawnee	OK	74801	405-878-5830	andrew.gourd@potawatomi.org	Native American Coordination	7/1/2016			Voicemail
										7/29/2016			Notice of Prefiling Letter
										8/16/2016			Open House Invitation Letter
										3/28/2017			Voicemail
										3/31/2017			Supplemental Information Letter
										8/14/2017			Email with Notice of Schedule
										3/31/2017			Supplemental Information Letter
Citizen Potawatomi Nation	Chairman	Mr. John Barrett, Jr.	1601 S. Gordon Cooper Drive	Shawnee	OK	74801		rbarrett@potawatomi.org	Native American Coordination	3/31/2017			Supplemental Information Letter
										8/14/2017			Email with Notice of Schedule

**Spire STL Pipeline
Agency Correspondence Tracking List**

Agency Correspondence - Federal, State, Local Agencies, and Native American Tribes

Agency	Region/ Division	Contact Name	Address	City	State	Zip	Contact Phone	Contact Email	Permit/Clearance/ Approval	Date Sent	Response Type/ Date	Responding Contact	Correspondence
Forest County Potawatomi	Tribal Historic Preservation Officer	Ms. Melissa Cook	Cultural Center, Library & Museum PO Box 340 8130 Mishkowsen Drive	Crandon	WI	54520	800-960-5479	melissa.cook@fcpotawatomi-nsn.gov	Native American Coordination	7/1/2016			Attempted Telephone Call, No Response
										7/29/2016			Notice of Prefiling Letter
										8/16/2016			Open House Invitation Letter
	3/28/2017			Voicemail									
	3/31/2017			Supplemental Information Letter									
	8/14/2017		Delivery Failed	Email with Notice of Schedule									
Tribal Historic Preservation Officer	Mr. Michael LaRonge	Natural Resources Department 5320 Wensaut Lane, PO Box 340	Crandon	WI	54520	715-478-7354	Michael.LaRonge@fcpotawatomi-nsn.gov	8/14/2017	8/16/2017	Mr. LaRonge	Email with Notice of Schedule; Email		
Chairman	Mr. Harold Frank	PO Box 340	Crandon	WI	54520			3/31/2017			Supplemental Information Letter		
Potawatomi Nation- Hannahville Indian Community (Hannahville Indian Community of Michigan)	Council/Board	Mr. Kenneth Meshigaud	N14911 Hannahville B-1 Road	Wilson	MI	49896	906-466-9933	kennethmeshigaud@hannahville.org	Native American Coordination	7/1/2016			Attempted Telephone Call, No Response
							7/29/2016					Notice of Prefiling Letter	
							8/16/2016					Open House Invitation Letter	
							10/19/2016					Voicemail	
	3/28/2017			Voicemail									
	3/31/2017			Supplemental Information Letter									
8/14/2017			Email with Notice of Schedule										
THPO	Mr. Earl Meshigaud	N14911 Hannahville B-1 Road	Wilson	MI	49896			3/31/2017			Supplemental Information Letter		
Pokagon Band of Potawatomi Indians	Tribal Historic Preservation Officer	Mr. Marcus Winchester	PO Box 180 58620 Sink Road,	Dowagiac	MI	49047	269-462-4224	marcus.winchester@pokagonband- nsn.gov	Native American Coordination	7/1/2016			Voicemail
										7/29/2016			Notice of Prefiling Letter
										8/16/2016			Open House Invitation Letter
	3/28/2017			Voicemail									
	3/31/2017			Supplemental Information Letter									
	8/14/2017			Email with Notice of Schedule									
Chairman	Mr. John Warren	PO Box 180	Dowagiac	MI	49047			3/31/2017			Supplemental Information Letter		
THPO	Mr Jason Scott Wesaw	PO Box 180	Dowagiac	MI	49047			3/31/2017			Supplemental Information Letter		

**Spire STL Pipeline
Agency Correspondence Tracking List**

Agency Correspondence - Federal, State, Local Agencies, and Native American Tribes

Agency	Region/ Division	Contact Name	Address	City	State	Zip	Contact Phone	Contact Email	Permit/Clearance/ Approval	Date Sent	Response Type/ Date	Responding Contact	Correspondence	
Prairie Band Potawatomi Nation		Ms. Hattie Mitchell	16281 Q Road	Mayetta	KS	66509	785-966-4000	hattiem@pbpnation.org	Native American Coordination	7/1/2016			Voicemail	
										7/29/2016			Notice of Prefiling Letter	
										8/16/2016			Open House Invitation Letter	
										3/28/2017			Voicemail	
	3/31/2017			Supplemental Information Letter										
	8/14/2017		Delivery Failed	Email with Notice of Schedule										
	3/31/2017			Supplemental Information Letter										
	8/14/2017			Email with Notice of Schedule										
Quapaw Tribe of Oklahoma	Chairman	Mr. John Berrey	P.O. Box 765	Quapaw	OK	74363	888-641-4724		Native American Coordination	7/1/2016			Attempted Telephone Call, No Response	
										7/29/2016			Notice of Prefiling Letter	
										8/16/2016			Open House Invitation Letter	
										3/28/2017			Voicemail	
	3/31/2017			Supplemental Information Letter										
	THPO	Mr. Everett Bandy	P.O. Box 765	Quapaw	OK	74363		ebandy@quapawtribe.com		Native American Coordination	-	8/24/2016	Mr. Bandy	Letter
											1/31/2017			Hardcopy of Phase I Reports
											3/31/2017	4/28/2017	Mr. Bandy	Supplemental Information Letter and Letter Response
											4/21/2017			Hardcopy of Phase I Addendum Reports
											6/28/2017			Voicemail and Email
											7/14/2017			Hardcopy of Phase I Addendum II and Phase II Reports and Hardcopy of SHPO Correspondence
											8/14/2017			Email with Notice of Schedule
											9/29/2017			CD of Phase I Addendum III Reports
											12/5/2017			CD of Phase I Addendum IV Reports
											1/11/2018			CD of Phase I Addendum V Reports
											2/27/2018			CD of Phase I Addendum VI Reports
											6/25/2018			CD of Phase I Addendum VII, Phase II and Avoidance Plan Reports
											6/29/2018			CD of SHPO Correspondence
Sac and Fox Tribe of the Missouri in Kansas and Nebraska									Chair		Mr. Edmore Green	305 North Main	Reserve	KS
	7/29/2016			Notice of Prefiling Letter										
	8/16/2016			Open House Invitation Letter										
	3/28/2017	3/28/2017	Reception	Voicemail and Telephone Message										
	3/31/2017			Supplemental Information Letter										
	4/21/2017			Hardcopy of Phase I Addendum Reports										
	7/14/2017			Hardcopy of Phase I Addendum II and Phase II Reports										
	8/14/2017			Email with Notice of Schedule										
	9/29/2017			CD of Phase I Addendum III Reports										
	12/5/2017			CD of Phase I Addendum IV Reports										
	1/11/2018			CD of Phase I Addendum V Reports										
	2/27/2018			CD of Phase I Addendum VI Reports										
	6/25/2018			CD of Phase I Addendum VII, Phase II and Avoidance Plan Reports										
	6/29/2018			CD of SHPO Correspondence										

**Spire STL Pipeline
Agency Correspondence Tracking List**

Agency Correspondence - Federal, State, Local Agencies, and Native American Tribes

Agency	Region/ Division	Contact Name	Address	City	State	Zip	Contact Phone	Contact Email	Permit/Clearance/ Approval	Date Sent	Response Type/ Date	Responding Contact	Correspondence
Sac and Fox Tribe of the Mississippi in Iowa	Historic Preservation Director	Mr. Johnathan L. Buffalo	349 Meskwaki Road	Tama	IA	52339	641-484-3185	Director.historic@meskwaki-nsn.gov	Native American Coordination	7/1/2016	7/1/2016	Mr. Buffalo	Telephone
										7/29/2016, 8/9/16			Notice of Prefiling Letter, courtesy follow up copy by email
										8/16/2016			Open House Invitation Letter
										1/31/2017			Hardcopy of Phase I Reports
										3/28/2017	3/28/2017	Mr. Buffalo	Telephone
										3/31/2017			Supplemental Information Letter
										4/13/2017			Email
										4/21/2017			Hardcopy of Phase I Addendum Reports (c/o Carol Butler)
										7/14/2017			Hardcopy of Phase I Addendum II and Phase II Reports
										8/14/2017		Delivery Failed	Email with Notice of Schedule
										9/29/2017			CD of Phase I Addendum III Reports
										12/5/2017			CD of Phase I Addendum IV Reports
										1/11/2018			CD of Phase I Addendum V Reports
										2/27/2018			CD of Phase I Addendum VI Reports
										6/25/2018			CD of Phase I Addendum VII, Phase II and Avoidance Plan Reports
										6/29/2018			CD of SHPO Correspondence
3/31/2017			Supplemental Information Letter										
Sac and Fox Nation of Oklahoma	Cultural Resources	Ms. Sandra Kaye Massey	920883 S. Hwy 99, Building A	Stroud	OK	74079	918-968-3526	smassey@sacandfoxnation-nsn.gov	Native American Coordination	7/1/2016			Voicemail
										7/29/2016			Notice of Prefiling Letter
										8/16/2016			Open House Invitation Letter
										3/28/2017	3/28/2017	Ms. Carol Butler	Telephone
										3/31/2017			Supplemental Information Letter
										4/21/2017			Hardcopy of Phase I Addendum Reports (c/o Carol Butler)
										7/14/2017			Hardcopy of Phase I Addendum II and Phase II Reports (c/o Carol Butler)
										8/14/2017			Email with Notice of Schedule
										9/29/2017			CD of Phase I Addendum III Reports
										12/5/2017			CD of Phase I Addendum IV Reports
										1/11/2018			CD of Phase I Addendum V Reports
										2/27/2018			CD of Phase I Addendum VI Reports
										6/25/2018			CD of Phase I Addendum VII, Phase II and Avoidance Plan Reports
										6/29/2018			CD of SHPO Correspondence
										3/31/2017			Supplemental Information Letter
										8/14/2017			Email with Notice of Schedule
Shawnee Tribe	Cultural Resources	Jodi Hayes	PO Box 189	Miami	OK	74355	918-542-2441		Native American Coordination	10/19/2016			Telephone, Voicemail
										10/27/2016			Letter
										3/28/2017			Voicemail
	3/31/2017			Supplemental Information Letter									
	3/31/2017			Supplemental Information Letter									
				Email									
	Chief	Ron Sparkman	PO Box 189	Miami	OK	74355					5/8/2017		
	Tonya Tipton						tonya@shawnee-tribe.com		8/18/2017	8/18/2017	Ms. Tipton	Email with Notice of Schedule; Email	

**Spire STL Pipeline
Agency Correspondence Tracking List**

Agency Correspondence - Federal, State, Local Agencies, and Native American Tribes

Agency	Region/ Division	Contact Name	Address	City	State	Zip	Contact Phone	Contact Email	Permit/Clearance/ Approval	Date Sent	Response Type/ Date	Responding Contact	Correspondence
United Keetoowah Band of Cherokee Indians of Oklahoma	THPO	Eric Oosahwee-Voss	PO Box 746	Tahlequah	OK	74465	918-456-8698		Native American Coordination	10/19/2016			Voicemail
										10/27/2016			Letter
										1/31/2017			Hardcopy of Phase I Reports
										3/28/2017			Voicemail
										3/31/2017			Supplemental Information Letter
										4/21/2017			Hardcopy of Phase I Addendum Reports (c/o Carol Butler)
										7/14/2017			Hardcopy of Phase I Addendum II and Phase II Reports
										9/29/2017			CD of Phase I Addendum III Reports
										12/5/2017			CD of Phase I Addendum IV Reports
										1/11/2018			CD of Phase I Addendum V Reports
										2/27/2018			CD of Phase I Addendum VI Reports
										6/25/2018			CD of Phase I Addendum VII, Phase II and Avoidance Plan Reports
										6/29/2018			CD of SHPO Correspondence
										3/31/2017			Supplemental Information Letter
Winnebago Tribe of Nebraska	THPO/ Chairman	John Blackhawk	PO Box 687	Winnebago	NE	68071	402-878-3103	jblackhawk@aol.com	Native American Coordination	10/19/2016			Telephone, Voicemail
										10/27/2016			Letter
										3/28/2017	3/28/2017	Staff	Telephone Message
										3/31/2017			Supplemental Information Letter
										8/14/2017			Email with Notice of Schedule
										3/31/2017			Supplemental Information Letter
	THPO	Mr. Henry Payer	PO Box 687	Winnebago	NE	68071			Native American Coordination	4/10/2017			Voicemail
										7/14/2017			Hardcopy of Phase I Addendum II and Phase II Reports
										9/29/2017			CD of Phase I Addendum III Reports
										12/5/2017			CD of Phase I Addendum IV Reports
										1/11/2018			CD of Phase I Addendum V Reports
										2/27/2018			CD of Phase I Addendum VI Reports
										6/25/2018			CD of Phase I Addendum VII, Phase II and Avoidance Plan Reports
										6/29/2018			CD of SHPO Correspondence
Non-Governmental Organizations ("NGOs") and Environmental NGOs													
Alton Fire Department	Chief	Bernie Sebold	333 E 20th Street	Alton	IL	62002	618-463-3565			10/6/2016			Letter
Alton Volunteer Emergency Corps	President	Harold Waggoner	2400 Bloomer Dr	Alton	IL	62002	618-462-2202			10/6/2016			Letter
American Bottomlands Conservancy		TBD	527 Washington Place	East St. Louis	IL	62205				10/6/2016			Letter
Audubon Missouri	VP and Executive Director	Patricia Hagen	301 Riverlands Way	West Alton	MO	63386	636-899-0090	phagen@audubon.org		10/6/2016			Letter
Audubon Society-Illinois	Executive Director	Tom Clay	2315 Clear Lake Ave	Springfield	IL	62706	217-544-2473	tclay@illinoisaudubon.org		10/6/2016			Letter
Audubon Society-Missouri	President	Shari Harden	2101 W Broadway PMB 122	Columbia	MO	65203				10/6/2016			Letter
Center for American Archaeology		TBD	P.O. Box 366	Kampsville	IL	62053	618-653-4316	caa@caa-archeology.org		10/6/2016			Letter
Chicago 350	Executive Director	May Boeve	20 Jay Street Suite 732	Brooklyn	NY	11201		may@350.org		10/6/2016			Letter
City of Jerseyville Economic Development	Director of Building & Zoning and Director of Economic Development	Jeff Soer	115 East Prarie Street	Jerseyville	IL	62052	618-498-3312	jeffsoer@jerseyville-il.us		10/6/2016			Letter
Ducks Unlimited - Illinois	Manager of Conservation	Mark Flaspohler	101 Park De Ville Dr, Suite B	Columbia	MO	65203	573-234-2132 EX: 178	mflaspohler@ducks.org		10/6/2016			Letter
Ducks Unlimited -Missouri	Manager of Conservation	Mark Flaspohler	101 Park De Ville Dr, Suite B	Columbia	MO	65203	573-234-2132 EX: 178	mflaspohler@ducks.org		10/6/2016			Letter
Earthjustice	President	Trip Van Noppen	50 California Street Suite 500	San Francisco	CA	94111	800-584-6460	headquarters@earthjustice.org		10/6/2016			Letter

**Spire STL Pipeline
Agency Correspondence Tracking List**

Agency Correspondence - Federal, State, Local Agencies, and Native American Tribes

Agency	Region/ Division	Contact Name	Address	City	State	Zip	Contact Phone	Contact Email	Permit/Clearance/ Approval	Date Sent	Response Type/ Date	Responding Contact	Correspondence
Environment Illinois	Energy Program Director	Rob Sargent	328 S. Jefferson St Suite 620	Chicago	IL	60661	617-747-4317			10/6/2016			Letter
Great Rivers Greenway	Executive Director	Susan Trautman	6178 Delmar Boulevard	St. Louis	MO	63112	314-436-7009	strautman@grgstl.org		10/6/2016			Letter
Great Rivers Habitat Alliance	Executive Director	David Stokes	P.O. Box 50014	St. Louis	MO	63150	314-918-1351	info@grha.org		10/6/2016			Letter
Great Rivers Land Trust	President	John Williams	P.O. Box 821	Alton	IL	62002	618-467-2265			10/6/2016			Letter
Greene County Economic Development Group	Director	Jim Mager	314 5th St	Carrollton	IL	62016	618-980-5036	gcedginc@gmail.com		10/6/2016			Letter
Heartwood	Heartwood Coordinator, Illinois	Tabatha Tripp	P.O. Box 1926	Bloomington	IN	47402	740-591-8166	info@heartwood.org		10/6/2016			Letter
Illinois Chamber of Commerce	President and CEO	Todd Maisch	215 E Adams St	Springfield	IL	62701	217-522-5512 EX: 233	tmaisch@ilchamber.org		10/6/2016			Letter
Illinois Energy Council		Katie Stonewater	215 E Adams St	Springfield	IL	62701				10/6/2016			Letter
Jacksonville Regional Economic Development Council	Vice President	Bonni Waters	221 E State St	Jacksonville	IL	62650	217.479.4627	bonni@iredc.org		10/6/2016			Letter
Missouri Caves and Karst Conservancy	President	Alicia Wallace	P.O. Box 190456	St. Louis	MO	63119		president@mocavesandkarst.org		10/6/2016			Letter
Missouri Chamber of Commerce	President and CEO	Daniel Mehan	428 East Capitol Ave	Jefferson City	MO	65101	573-634-3511			10/6/2016			Letter
Missouri Coalition for the Environment	Executive Director	Heather Navarro	3115 S Grand Blvd Suite 650	St. Louis	MO	63118	314-727-0600	hnavarro@moenviron.org		10/6/2016			Letter
Nature Conservancy - Missouri	State Director	Adam McLane	2800 S Brentwood Blvd	St. Louis	MO	63144	314-968-1105	missouri@tnc.org		10/6/2016			Letter
Nature Conservancy - Illinois	State Director	Michelle Carr	8 S Michigan Ave Suite 900	Chicago	IL	60603	312-580-2100	illinois@tnc.org		10/6/2016			Letter
Old Jamestown Association	President	Ellen Lutzow	P.O. Box 2223	Florissant	MO	63032	314-550-0184			10/6/2016			Letter
One Mississippi Campaign	Campaign Coordinator	Brooke Thurau	14 N Peoria St Suite 4F	Chicago	IL	60607	312-754-0402	bthurau@bluestemcommunications.org		10/6/2016			Letter
Rivers Pointe Fire Department	Chief	Richard Pender	100 Firehouse Drive	West Alton	MO	63386	636-899-1122	info@rpfpd.com		10/6/2016			Letter
Scott County Development Corporation	President	Pat Van DeVelde	35 E Market Street	Winchester	IL	62694		pat@peakinsuranceagency.net		10/6/2016			Letter
Sierra Club - Illinois Chapter	Chapter Director	Jack Darin	70 E Lake Street Suite 1500	Chicago	IL	60601	312-251-1680 ext. 112	jack.darin@sierraclub.org		10/6/2016			Letter
Sierra Club - Missouri Chapter	Chapter Director	John Hickey	2818 Sutton Blvd	St. Louis	MO	63143	314-644-1011	missouri.chapter@sierraclub.org		10/6/2016			Letter
St. Charles County Economic Development Center	President and CEO	Greg Prestemon	5988 Mid Rivers Mall Drive	St. Charles	MO	63304	636-441-6880	gprestemon@edcscc.com		10/6/2016			Letter
St. Louis Economic Development Partnership	Staff Contact	Kelly Applegate	7733 Forsyth Blvd Suites 2200 & 2300	St. Louis	MO	63105	314.615.7688	info@stlpartnership.com		10/6/2016			Letter
Trout Unlimited Mid- Missouri	President	Ryan Verkamp	1777 N Kent Street Suite 100	Arlington	VA	22209	573-817-0631	Ryan.Verkamp@gmail.com		10/6/2016			Letter

Note:
Yellow highlighting indicates correspondence that was sent/received after Spire filed its October Supplement on October 6, 2017.



United States Army Corps of Engineers

Ali Trunzo

From: Todd Wheaton
Sent: Wednesday, July 11, 2018 10:49 AM
To: Teri.C.Allen@usace.army.mil
Cc: Ali Trunzo; Robin Weissert; Meyer, David P CIV USARMY CEMVS (US)
Subject: Spire Request for Additional Info (UNCLASSIFIED)
Attachments: 2017-10-26_USFWS Letter filed with FERC.pdf; Centerline_2018_07_10.zip

Good Morning Teri,

I wanted to send you a quick update on the files we sent over for the Spire STL project. We sent you a digital copy (disc) of the current Spire STL PCN addendum, which includes all current impacts associated with the project. The disc also includes a current waters upload table. In response to your comments below, we are providing the following:

- 1) A copy of tribal correspondence/updates since the January 2017 FERC cultural resources report was included on the disc.
- 2) A copy of archaeological survey reports and comments/concurrence from the IL and MO SHPOs was included on the disc.
- 3) At this time, no tribal monitoring is proposed. However, Spire continues to coordinate with Osage Nation regarding the project.
- 4) The most recent GIS files for the pipeline alignment are attached for your reference. This includes both the 24-inch pipeline and North County Extension.
- 5) Also attached is a copy of the USFWS letter dated October 26, 2017.

Please let us know if there is any additional information you'd like to see and we can send it your way.

Thanks!
Todd

Todd C. Wheaton
D 234.203.0765 M 330.415.8364



GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

From: Allen, Teresa C (Teri) CIV USARMY CEMVS (US) [<mailto:Teri.C.Allen@usace.army.mil>]
Sent: Thursday, June 21, 2018 2:58 PM
To: Brandon Kish <B.Kish@gaiconsultants.com>
Subject: Spire Request for Additional Info (UNCLASSIFIED)

CLASSIFICATION: UNCLASSIFIED

Brandon,

I am writing to request the following:

- 1) Any further tribal correspondence/updates since the January 2017 Spire Cultural report (attached).

- 2) Any archaeological fieldwork/survey information/reports since the January 2017 report and anything updated from MO or IL SHPOs.
- 3) Any information on if tribal monitoring took place or will take place.
- 4) The most recent GIS files for the pipeline alignment, including the North County Extension.
- 5) A copy of the letter from the USFWS dated 26 October 2017 that contains the following information: the USFWS indicates that Section 7 consultation on the northern long-eared bat had been concluded, and confirmed that the decurrent false aster is not present in the Project area. The USFWS provided concurrence that the proposed Spire Project is not likely to adversely affect the gray bat, least tern, piping plover, red knot, and pallid sturgeon.

Thanks,
Teri

Teri C. Allen, Ph.D.
Chief, Environmental Compliance Section
Aquatic Ecologist
Certified Fisheries Professional (AFS)

U.S. Army Corps of Engineers, St. Louis District
Regional Planning and Environmental Division North
Environmental Compliance Section
CEMVP-PD-C
1222 Spruce Street
St. Louis, Missouri 63103-2833

Phone 314-331-8084
E-mail Teri.C.Allen@usace.army.mil

CLASSIFICATION: UNCLASSIFIED



Indianapolis Office
6420 Castleway West Drive
Indianapolis, IN 46250

T 317.570.6800
F 317.570.6810

July 2, 2018

Project E160438.00

David Meyer
U.S. Army Corps of Engineers
St. Louis District
1222 Spruce Street
St. Louis, Missouri 63103-2833

**Addendum IV to Nationwide Permit 12 Pre-Construction Notification and Section 10 Letter of Permission Request
Spire STL Pipeline LLC
Spire STL Pipeline Project (MVS-2016-582)
Scott, Greene, and Jersey Counties, Illinois, and St. Charles and St. Louis Counties, Missouri**

Dear Mr. Meyer:

On behalf of Spire STL Pipeline LLC ("Spire"), GAI Consultants, Inc. ("GAI") submitted a Nationwide Permit 12 Pre-Construction Notification ("PCN") and Section 10 letter of permission request for the Spire STL Pipeline Project ("Project"), located in Scott, Greene, and Jersey Counties, Illinois ("IL"), and St. Charles and St. Louis Counties, Missouri ("MO") to your office on January 27, 2017. Subsequent Addendums to the PCN were submitted to your office on April 21, July 14, and December 15, 2017, with supplemental information to the Addendum III submitted on January 12, 2018. Minor changes in the Project alignment along the north side of the Mississippi River were necessary to avoid sensitive environmental resources located near the previous Horizontal Directional Drill ("HDD") entrance. Additionally, the crossing of Coldwater Creek has been reverted to the previously submitted HDD crossing, further reducing impacts. GAI has prepared this Addendum to the previously submitted PCN and Section 10 Letter of Permission to address these changes.

The Project will consist of approximately 65 miles of new 24-inch-diameter steel pipeline in two segments. The first segment (referred to as the "24-inch pipeline" portion of the Project) will originate at a new interconnect with the Rockies Express Pipeline LLC ("REX") pipeline in Scott County, Illinois and extend approximately 59 miles through Greene and Jersey Counties in Illinois before crossing the Mississippi River and extending east through St. Charles County, Missouri. The 24-inch pipeline then crosses the Missouri River into St. Louis County, Missouri, and terminates at a new interconnect with Laclede Gas Company ("LGC"). The second segment of pipeline (referred to as the "North County Extension"), will consist of a new 24-inch-diameter steel pipeline which will extend approximately six miles from the LGC interconnect through the northern portion of St. Louis County and terminate at a new interconnect with Enable Mississippi River Transmission, LLC ("Enable MRT") and LGC. The total length of the Project pipeline will be approximately 65 miles. The Project also includes the construction of three new metering and regulating ("M&R") stations that provide interconnects with (1) REX in Illinois, (2) LGC in Missouri, and (3) Enable MRT and LGC in Missouri. This Project, as proposed, falls under the oversight of the Federal Energy Regulatory Commission ("FERC").

GAI, on behalf of Spire, is hereby submitting for review a hard copy and an electronic copy of the Project's Nationwide Permit ("NWP") 12 PCN Addendum IV. This package has been prepared based on the Project adhering to the general and regional conditions of a NWP-12 and Section 401 Water Quality Certification ("WQC") General and Specific Conditions within the State of Illinois and Missouri. Programmatic 401 WQC coverage issued by the Missouri Department of Natural Resources ("MDNR") is pending the revised alignment at the Coldwater Creek crossing. However, the switch to the HDD crossing of Coldwater Creek will further minimize impacts and satisfy the requirements to obtain programmatic 401 WQC coverage within the State of Missouri. An Illinois-specific copy of this PCN Addendum IV has also been provided to the Illinois Department of Natural Resources and the Illinois Environmental Protection Agency concurrently with this submittal for their confirmation of General Section 401 coverage.

Correspondence with the Illinois Historic Preservation Agency ("IHPA") and the Missouri State Historic Preservation Agency ("MO SHPO") has been ongoing. Additional areas in MO and IL were surveyed in December 2017, January 2018, and March 2018. Phase I survey results from fieldwork conducted in December 2017 were included in the Addendum V reports, which were each submitted to the MO SHPO and IHPA on January 10, 2018. In a letter dated

January 30, 2018, the MO SHPO provided comments on the Addendum V report, and GAI addressed these comments in the revised Addendum V report submitted to the MO SHPO on February 21, 2018. The MO SHPO concurred with the revised Addendum V report in a letter dated March 15, 2018. The receipt of concurrence with the Addendum V report completes consultation with the MO SHPO. The IHPA concurred with the survey results and recommendations for the IL portion of the project included in Addendum V in a letter dated March 22, 2018.

The Addendum VI reports included results and recommendations from Phase I fieldwork completed in IL in January 2018. This report was submitted to the IHPA on February 16, 2018. The IHPA issued their concurrence for the Addendum VI report in a letter dated March 22, 2018.

In March 2018, GAI conducted fieldwork for a Phase II National Register of Historic Places eligibility evaluation at Site 11JY801 and the Addendum VII Phase I survey of an access road. GAI also prepared avoidance plans for Sites 11JY789 and 11JY800. The results and recommendations for the Phase II eligibility evaluation and Addendum VII Phase I survey, along with the avoidance plans for Sites 11JY789 and 11JY800, were included in a single document submitted to the IHPA on April 17, 2018. The IHPA requested that the single document submitted on April 17, 2018 be split into four separate documents. GAI submitted these four separate documents to the IHPA on May 11, 2018. IHPA issued their final concurrence on June 15, 2018. To assist in your review, all prior SHPO and Tribal agency coordination has been included in the attached PCN addendum as Attachment A.

Nationwide Permit (NWP) 12 and Section 10 Letter of Permission Request

As currently proposed, temporary impacts to 79 streams and 46 wetlands will be necessary to construct the Project. Impacted streams and wetlands will be crossed using the dry-ditch open-cut method. A dam and flume method of dewatering is installed to create a dry work area, the trenches are dug, the pipeline is placed, and the trench is then refilled and the work area reclaimed. Additionally, temporary crossings of 28 streams and 20 wetlands located within the Project workspace and along associated access roads will be required during construction of the Project. Other aquatic resources, including the Mississippi and Missouri Rivers, Spanish Lake, and Sunfish Lake, will be crossed using the HDD method. This method involves boring a tunnel beneath the aquatic resources through which the pipeline will be pulled and installed. No physical impacts to the aquatic resources are anticipated to occur with this construction method. Detailed information regarding these impacts can be found in Tables 1 and 2 in the attached PCN Addendum.

Avoiding stream and wetland impacts as well as avoidance of sensitive resources has been one of the driving factors in designing the proposed Project, and the currently proposed alignment represents an alternative that reduces impacts to the furthest extent practicable, while still meeting the purpose and need of the Project. Spire has utilized mitigation banking programs in IL and MO for compensatory mitigation to forested and scrub-shrub wetland impacts. Further avoidance and minimization includes the placement of timber mats for equipment crossings of streams and wetlands, and the Limit of Disturbance ("LOD") width will be generally narrowed to a 75-foot width at the majority of the resource crossings.

Streams and Wetlands

Fieldwork associated with stream and wetland investigations for the Project was conducted between September 2016 and January 2018. The surveys identified streams and wetlands within a approximately 300-foot wide corridor centered on the proposed pipeline, and a 50-foot wide corridor surrounding the proposed access roads. Field investigations identified 121 wetlands, 238 waterbodies, and 12 ponds within the current Project study area. These features are outlined in the previously submitted Addendum III to the Wetland Delineation and Stream Identification Report.

Closing

Spire and GAI thank you in advance for your review of this NWP-12 PCN Addendum. Please feel free to contact me at 330-415-8364, or at t.wheaton@gaiconsultants.com if there are any questions or concerns.

Sincerely,

GAI Consultants, Inc.



Todd Wheaton
Assistant Environmental Technical Leader

Attachments: Addendum IV to Nationwide Permit 12 Pre-Construction Notification

CC: Illinois Department of Natural Resources, Illinois Environmental Protection Agency, Missouri Department of Natural Resources



Indianapolis Office
6420 Castleway West Drive
Indianapolis, IN 46250

T 317.570.6800
F 317.570.6810

July 02, 2018

Project E160438.00

David Meyer
U.S. Army Corps of Engineers
St. Louis District
1222 Spruce Street
St. Louis, Missouri 63103-2833

**Addendum IV to Nationwide Permit 12 Joint Permit Application
Spire STL Pipeline LLC
Spire STL Pipeline Project (MVS-2016-582)
Scott, Greene, and Jersey Counties, Illinois, and St. Charles and St. Louis Counties, Missouri**

Dear Mr. Meyer,

On behalf of Spire STL Pipeline LLC ("Spire"), GAI Consultants, Inc. ("GAI") submitted a Nationwide Permit 12 Joint Permit Application ("JPA") and Section 10 letter of permission request for the Spire STL Pipeline Project ("Project"), located in Scott, Greene, and Jersey Counties, Illinois ("IL"), and St. Charles and St. Louis Counties, Missouri ("MO") to your office on January 27, 2017. Subsequent Addendums to the PCN were submitted to your office on April 21, July 14, and December 15, 2017. Minor changes in the Project alignment along the north side of the Mississippi River were necessary to avoid sensitive environmental resources located near the previous Horizontal Directional Drill ("HDD") entrance. GAI has prepared this Addendum to the previously submitted PCN and Section 10 Letter of Permission to address these changes.

The Project will consist of approximately 65 miles of new 24-inch-diameter steel pipeline in two segments. The first segment (referred to as the "24-inch pipeline" portion of the Project) will originate at a new interconnect with the Rockies Express Pipeline LLC ("REX") pipeline in Scott County, Illinois and extend approximately 59 miles through Greene and Jersey Counties in Illinois before crossing the Mississippi River and extending east through St. Charles County, Missouri. The 24-inch pipeline then crosses the Missouri River into St. Louis County, Missouri, and terminates at a new interconnect with Laclede Gas Company ("LGC"). The second segment of pipeline (referred to as the "North County Extension"), will consist of a new 24-inch-diameter steel pipeline which will extend approximately six miles from the LGC interconnect through the northern portion of St. Louis County and terminate at a new interconnect with Enable Mississippi River Transmission, LLC ("Enable MRT") and LGC. The total length of the Project pipeline will be approximately 65 miles. The Project also includes the construction of three new metering and regulating ("M&R") stations that provide interconnects with (1) REX in Illinois, (2) LGC in Missouri, and (3) Enable MRT and LGC in Missouri. This Project, as proposed, falls under the oversight of the Federal Energy Regulatory Commission ("FERC").

GAI, on behalf of Spire, is hereby submitting for review a hard copy and an electronic copy of the Project's Nationwide Permit ("NWP") 12 JPA Addendum IV. This package has been prepared based on the Project adhering to the general and regional conditions of a NWP-12 and Section 401 Water Quality Certification ("WQC") General and Specific Conditions within the State of Illinois. A copy of this JPA Addendum has also been provided to the Illinois Department of Natural Resources and the Illinois Environmental Protection Agency concurrently with this submittal for their confirmation of General Section 401 coverage.

Correspondence with the Illinois Historic Preservation Agency ("IHPA") has been ongoing. Additional areas in IL were surveyed in December 2017, January 2018, and March 2018. Phase I survey results from fieldwork conducted in December 2017 were included in the Addendum V reports, which were each submitted to the IHPA on January 10, 2018. The IHPA concurred with the survey results and recommendations for the IL portion of the project included in Addendum V in a letter dated March 22, 2018.

The Addendum VI reports included results and recommendations from Phase I fieldwork completed in IL in January 2018. This report was submitted to the IHPA on February 16, 2018. The IHPA issued their concurrence for the Addendum VI report in a letter dated March 22, 2018.

In March 2018, GAI conducted fieldwork for a Phase II National Register of Historic Places eligibility evaluation at Site 11JY801 and the Addendum VII Phase I survey of an access road. GAI also prepared avoidance plans for Sites 11JY789 and 11JY800. The results and recommendations for the Phase II eligibility evaluation and Addendum VII Phase I survey, along with the avoidance plans for Sites 11JY789 and 11JY800, were included in a single document submitted to the IHPA on April 17, 2018. The IHPA requested that the single document submitted on April 17, 2018 be split into four separate documents. GAI submitted these four separate documents to the IHPA on May 11, 2018. IHPA issued their final concurrence on June 15, 2018. To assist in your review, all prior SHPO and Tribal agency coordination has been included in the attached PCN addendum as Attachment A.

Nationwide Permit (NWP) 12 and Section 10 Letter of Permission Request

As currently proposed, temporary impacts to 59 streams and 32 wetlands will be necessary to construct the Project. Impacted streams and wetlands will be crossed using the dry-ditch open-cut method. A dam and flume method of dewatering is installed to create a dry work area, the trenches are dug, the pipeline is placed, and the trench is then refilled and the work area reclaimed. Additionally, temporary crossings of 23 streams and 11 wetlands located within the Project workspace and along associated access roads will be required during construction of the Project. Other aquatic resources, including the Mississippi River, will be crossed using a Horizontal Directional Drill ("HDD") method. This method involves boring a tunnel beneath the aquatic resources through which the pipeline will be pulled and installed. No physical impacts to the aquatic resources are anticipated to occur with this construction method. Detailed information regarding these impacts can be found in Tables 1 and 2 in the attached JPA Addendum.

Avoiding stream and wetland impacts as well as avoidance of sensitive resources has been one of the driving factors in designing the proposed Project, and the currently proposed alignment represents an alternative that reduces impacts to the furthest extent practicable, while still meeting the purpose and need of the Project. Spire has utilized mitigation banking programs in IL for compensatory mitigation to forested and scrub-shrub wetland impacts. Further avoidance and minimization includes the placement of timber mats for equipment crossings of streams and wetlands, and the Limit of Disturbance ("LOD") width will be generally narrowed to a 75-foot width at the majority of the resource crossings.

Streams and Wetlands

Fieldwork associated with stream and wetland investigations for the Project was conducted between September 2016 and January 2018. The surveys identified streams and wetlands within a approximately 300-foot wide corridor centered on the proposed pipeline, and a 50-foot wide corridor surrounding the proposed access roads. Field investigations identified 71 wetlands, 176 waterbodies, and 8 ponds within the current Project study area. These features are outlined in the previously submitted Addendum III to the Wetland Delineation and Stream Identification Report.

Closing

Spire and GAI thank you in advance for your review of this NWP 12 JPA Addendum. Please feel free to contact me at 330-415-8364, or at t.wheaton@gaiconsultants.com if there are any questions or concerns.

Sincerely,

GAI Consultants, Inc.



Todd Wheaton
Assistant Environmental Technical Leader

Attachments: Addendum IV to Nationwide Permit 12 Joint Permit Application

CC: Illinois Department of Natural Resources, Illinois Environmental Protection Agency

Ali Trunzo

Subject: FW: Spire STL - St. Louis County Land Disturbance Permit
Attachments: NW12 Utility Line Activities.pdf; FERC & Corps MOU.PDF; STL County Request Ltrr.docx

-----Original Message-----

From: Meyer, David P CIV USARMY CEMVS (US) [mailto:David.P.Meyer@usace.army.mil]
Sent: Tuesday, June 26, 2018 4:31 PM
To: Todd Wheaton <T.Wheaton@gaiconsultants.com>
Subject: RE: Spire STL - St. Louis County Land Disturbance Permit

Todd,

Per your request, please see the attached. You should be able to pass this along to STL County for the land disturbance correspondence.

Thanks

David Meyer
U.S. Army Corps of Engineers
St. Louis District, Regulatory Branch
1222 Spruce St.
St. Louis, Missouri 63103
314.331.8810

-----Original Message-----

From: Todd Wheaton [mailto:T.Wheaton@gaiconsultants.com]
Sent: Monday, June 25, 2018 3:20 PM
To: Meyer, David P CIV USARMY CEMVS (US) <David.P.Meyer@usace.army.mil>
Cc: Ali Trunzo <A.Trunzo@gaiconsultants.com>; Robin Weissert <R.Weissert@gaiconsultants.com>; Lori M Ferry (lmferry@burnsmcd.com) <lmferry@burnsmcd.com>
Subject: [Non-DoD Source] Spire STL - St. Louis County Land Disturbance Permit

Good Afternoon David,

I wanted to follow up with some more information regarding the St. Louis County Land Disturbance Permit we discussed late last week, and to give you a little more background. Spire is in the process of obtaining land disturbance permit approval from St. Louis County, Missouri. As a condition for approval of this County level permit, the County requested a copy of the Section 404/408 permit approvals. Spire notified the County that the 404/408 approvals will not be issued until the Project's FERC Certificate is received.

The County has requested a letter from USACE stating that there are no issues with the County issuing their permit approvals prior to the Corps issuing the 404/408 permit approvals. At your earliest convenience, Spire is requesting a

letter from your office that Spire can provide to St. Louis County. Please let us know if you have any questions or need additional details to prepare this letter for the County approval.

Thanks!

Todd

Todd C. Wheaton
Assistant Environmental Technical Leader

GAI Consultants, 3720 Dressler Avenue Northwest, Canton, OH 44718

T 330.433.2680 D 234.203.0765 M 330.415.8364

Facebook <Blocked<http://www.facebook.com/gaiconsultants>> | LinkedIn
<Blocked<https://www.linkedin.com/company/gai-consultants-inc->> | Twitter
<Blocked<https://twitter.com/GAIConsultants>> | YouTube <Blocked<https://www.youtube.com/user/gaiconsultants>> |
News & Insights <Blocked<http://gaiconsultants.com/news-and-insights/our-thinking/>>

<Blocked<http://gaiconsultants.com/>>

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

telephone log



gai consultants

Date: 6/21/2018

Project / Admin. No.: E160438.00

Call From: Todd Wheaton

Company: GAI Consultants

Phone No.: +12342030765

Call To: David Meyer

Company: USACE

Phone No.: 314.331.8810

Subject: Project Updates

cc:

Summary of Discussion, Decisions, and Commitments:

Potential Reroute – I explained the need for a shift in Mississippi HDD workspace due to sensitive environmental features, and that only the Illinois side would be impacted. I also went over the proposed temporary culverts and no issues.

Coldwater creek – I informed David we would be going back to an HDD, but presented the option of the open cut if necessary. He said he will issue the full authorization based on the HDD, and if it's decided they need to open cut, we can submit a simple addendum and he can issue a NWP-12 authorization for that individual crossing if needed.

SHPO/Tribal – I let David know that Teri had requested all the SHPO/Tribal consultation and that he would be receiving all the info we have regarding that, and that we would also be copying Teri on that. He requested one hard copy and a CD with all project info.

St. Louis County – I explained the situation of St. Louis County asking for 404 approval and he agreed to provide a brief 1 page letter stating that the 404 permit is waiting on the issuance of the FERC certificate. He asked that we provide him an email with a brief summary of what St. Louis County is requesting to assist in his letter prep.

Ali Trunzo

Subject: FW: Spire Request for Additional Info (UNCLASSIFIED)

From: Allen, Teresa C (Teri) CIV USARMY CEMVS (US) [<mailto:Teri.C.Allen@usace.army.mil>]

Sent: Thursday, June 21, 2018 2:58 PM

To: Brandon Kish <B.Kish@gaiconsultants.com>

Subject: Spire Request for Additional Info (UNCLASSIFIED)

CLASSIFICATION: UNCLASSIFIED

Brandon,

I am writing to request the following:

- 1) Any further tribal correspondence/updates since the January 2017 Spire Cultural report (attached).
- 2) Any archaeological fieldwork/survey information/reports since the January 2017 report and anything updated from MO or IL SHPOs.
- 3) Any information on if tribal monitoring took place or will take place.
- 4) The most recent GIS files for the pipeline alignment, including the North County Extension.
- 5) A copy of the letter from the USFWS dated 26 October 2017 that contains the following information: the USFWS indicates that Section 7 consultation on the northern long-eared bat had been concluded, and confirmed that the decurrent false aster is not present in the Project area. The USFWS provided concurrence that the proposed Spire Project is not likely to adversely affect the gray bat, least tern, piping plover, red knot, and pallid sturgeon.

Thanks,
Teri

Teri C. Allen, Ph.D.

Chief, Environmental Compliance Section
Aquatic Ecologist
Certified Fisheries Professional (AFS)

U.S. Army Corps of Engineers, St. Louis District
Regional Planning and Environmental Division North
Environmental Compliance Section
CEMVP-PD-C
1222 Spruce Street
St. Louis, Missouri 63103-2833

Phone 314-331-8084
E-mail Teri.C.Allen@usace.army.mil

CLASSIFICATION: UNCLASSIFIED

Ali Trunzo

Subject: FW: Spire - Info Request (UNCLASSIFIED)
Attachments: 01-26-17 Spire STL_RR 4_PUBLIC.PDF; ATT00001.htm

From: "Allen, Teresa C (Teri) CIV USARMY CEMVS (US)" <Teri.C.Allen@usace.army.mil>
Date: June 12, 2018 at 12:11:17 PM CDT
To: "B.Kish@gaiconsultants.com" <B.Kish@gaiconsultants.com>
Cc: "Meyer, David P CIV USARMY CEMVS (US)" <David.P.Meyer@usace.army.mil>, "Koenig, Christopher J Jr CIV (US)" <Christopher.J.Koenig@usace.army.mil>
Subject: FW: Spire - Info Request (UNCLASSIFIED)

CLASSIFICATION: UNCLASSIFIED

Hi Jen and Brandon,

I hope all is going well. I am writing to request the following:

- 1) Any further tribal correspondence/updates since the January 2017 Spire Cultural report (attached).
- 2) Any archaeological fieldwork/survey information/reports since the January 2017 report and anything updated from MO or IL SHPOs.
- 3) Any information on if tribal monitoring took place or will take place.
- 4) The most recent GIS files for the pipeline alignment, including the North County Extension

Thanks,
Teri

CLASSIFICATION: UNCLASSIFIED

Ali Trunzo

From: Meyer, David P CIV USARMY CEMVS (US) <David.P.Meyer@usace.army.mil>
Sent: Monday, March 05, 2018 3:32 PM
To: Todd Wheaton; Gramke, Robert S CIV USARMY CEMVS (US)
Cc: Ali Trunzo; Robin Weissert
Subject: RE: Spire 404 Approval Contact List

Todd,

Thank you for taking a look into this, I will review all of this when I get back into the office next week. However just glancing through the few items of concern, it appears that you have addressed the appropriate corrections.

I will get back with you a week from now, keep me updated on the project's timeline as we progress towards the FERC certification and 408 approval.

Thanks

David Meyer
U.S. Army Corps of Engineers
St. Louis District, Regulatory Branch
1222 Spruce St.
St. Louis, Missouri 63103
314.331.8810

-----Original Message-----

From: Todd Wheaton [mailto:T.Wheaton@gaiconsultants.com]
Sent: Monday, March 05, 2018 9:47 AM
To: Meyer, David P CIV USARMY CEMVS (US) <David.P.Meyer@usace.army.mil>; Gramke, Robert S CIV USARMY CEMVS (US) <Robert.S.Gramke@usace.army.mil>
Cc: Ali Trunzo <A.Trunzo@gaiconsultants.com>; Robin Weissert <R.Weissert@gaiconsultants.com>
Subject: [Non-DoD Source] RE: Spire 404 Approval Contact List

Good Morning David,

We received an additional comment from Spire on the 404 conditions document pertaining to Condition 2 (updated document attached). They have asked for clarification that construction may begin outside the USACE owned property, rather than all construction being contingent upon the receipt of the real estate agreement. This should be it as far as comments but please let me know if you have any additional questions/concerns.

Thanks!
Todd

Todd C. Wheaton
D 234.203.0765 M 330.415.8364

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

-----Original Message-----

From: Meyer, David P CIV USARMY CEMVS (US) [mailto:David.P.Meyer@usace.army.mil]
Sent: Monday, February 26, 2018 11:03 AM
To: Todd Wheaton <T.Wheaton@gaiconsultants.com>
Subject: RE: Spire 404 Approval Contact List

Todd,

Thanks a bunch! Let me know if you have any other questions.

Dave

-----Original Message-----

From: Todd Wheaton [mailto:T.Wheaton@gaiconsultants.com]
Sent: Friday, February 23, 2018 8:26 AM
To: Meyer, David P CIV USARMY CEMVS (US) <David.P.Meyer@usace.army.mil>
Cc: Ali Trunzo <A.Trunzo@gaiconsultants.com>; Robin Weissert <R.Weissert@gaiconsultants.com>
Subject: [Non-DoD Source] RE: Spire 404 Approval Contact List

Good Morning Dave,

Attached is the revised 404 conditions including our markups. Please let me know if you have any questions or need further clarification on any of the updates.

Thanks and good luck with the new addition!

Todd C. Wheaton
D 234.203.0765 M 330.415.8364

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

-----Original Message-----

From: Meyer, David P CIV USARMY CEMVS (US) [mailto:David.P.Meyer@usace.army.mil]
Sent: Thursday, February 22, 2018 10:57 AM
To: Todd Wheaton <T.Wheaton@gaiconsultants.com>
Cc: Ali Trunzo <A.Trunzo@gaiconsultants.com>; Robin Weissert <R.Weissert@gaiconsultants.com>
Subject: RE: Spire 404 Approval Contact List

Todd,

Thanks for the heads-up, I will be taking my laptop home with me and working on this over my time-off to ensure that everything is done in a timely manner.

Do you guys have an expected date that the FERC certificate and Sec 408 will be complete?

Dave

-----Original Message-----

From: Todd Wheaton [mailto:T.Wheaton@gaiconsultants.com]
Sent: Thursday, February 22, 2018 9:49 AM
To: Meyer, David P CIV USARMY CEMVS (US) <David.P.Meyer@usace.army.mil>
Cc: Ali Trunzo <A.Trunzo@gaiconsultants.com>; Robin Weissert <R.Weissert@gaiconsultants.com>
Subject: [Non-DoD Source] RE: Spire 404 Approval Contact List

Hello David,

Just wanted to follow up with you on the list of conditions. We have done an internal review and just noticed a couple very minor errors, most of which pertained to mitigation totals (based on the current alignment & purchase of credits) and the list of recipients. Spire's legal team has also asked to review the list just to make sure there are no surprises on their end, and we are currently waiting on any questions/comments they may have before I send you back our markups. Just wanted to keep you in the loop on all this before you take some time off with the new baby.

Good Luck with the new addition!

Todd

Todd C. Wheaton
D 234.203.0765 M 330.415.8364

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

-----Original Message-----

From: Meyer, David P CIV USARMY CEMVS (US) [mailto:David.P.Meyer@usace.army.mil]
Sent: Tuesday, February 13, 2018 11:29 AM
To: Todd Wheaton <T.Wheaton@gaiconsultants.com>
Cc: Ali Trunzo <A.Trunzo@gaiconsultants.com>; Robin Weissert <R.Weissert@gaiconsultants.com>
Subject: RE: Spire 404 Approval Contact List

Todd, Ali and Robin:

Please see the attached "Draft" permit authorization letter, I have reviewed this several times and just want to double check with you to make sure I have some of the correct dates and language associated with the project. The special conditions is similar to past pipeline projects we have had within our district over the past few years. If there is anything that stands out to you that needs to be addressed or corrected, please let me know.

Between handling my other project workload, phone calls, site visits, and scrolling through the many boxes and electronic files I have on this project - there may have been a chance that I got a figure or date wrong. I just want to eliminate any errors before the date comes to issue the permit.

My wife and I are due with baby #2 on February 23, so I am just ensuring that everything will be ready to go and there will not be any delays on our end.

Also, we will need to be given a copy of any SHPO MOA's and their final clearance before we can issue the permit.

Just let me know if you have any questions or feel free to give me a call.

David Meyer
U.S. Army Corps of Engineers
St. Louis District, Regulatory Branch
1222 Spruce St.
St. Louis, Missouri 63103
314.331.8810

-----Original Message-----

From: Todd Wheaton [mailto:T.Wheaton@gaiconsultants.com]

Sent: Monday, February 12, 2018 8:20 AM

To: Meyer, David P CIV USARMY CEMVS (US) <David.P.Meyer@usace.army.mil <mailto:David.P.Meyer@usace.army.mil>
>

Cc: Ali Trunzo <A.Trunzo@gaiconsultants.com <mailto:A.Trunzo@gaiconsultants.com> >; Robin Weissert
<R.Weissert@gaiconsultants.com <mailto:R.Weissert@gaiconsultants.com> >

Subject: [Non-DoD Source] Spire 404 Approval Contact List

Good Morning David,

We have compiled the contact list you requested for anyone that would require a copy of the 404 approval when you send it out. Please see the list below and let me know if you need any additional information.

Thanks,
Todd

Spire - Scott Jaskowiak Scott.Jaskowiak@spireenergy.com <mailto:Scott.Jaskowiak@spireenergy.com>
<mailto:Scott.Jaskowiak@spireenergy.com> ; and Russ English Russ.English@SpireEnergy.com
<mailto:Russ.English@SpireEnergy.com> <mailto:Russ.English@SpireEnergy.com>

Burns McDonnell - Lori Ferry lmferry@burnsmcd.com <mailto:lmferry@burnsmcd.com>
<mailto:lmferry@burnsmcd.com>

GAI Consultants - Todd Wheaton T.Wheaton@gaiconsultants.com <mailto:T.Wheaton@gaiconsultants.com>
<mailto:T.Wheaton@gaiconsultants.com>

USACE (Section 408 Approval) - Matt Hunn Matthew.J.Hunn@usace.army.mil
<mailto:Matthew.J.Hunn@usace.army.mil> <mailto:Matthew.J.Hunn@usace.army.mil>

IEPA - Darren Gove darren.gove@illinois.gov <mailto:darren.gove@illinois.gov> <mailto:darren.gove@illinois.gov>

MDNR - Mike Irwin mike.irwin@dnr.mo.gov <mailto:mike.irwin@dnr.mo.gov> <mailto:mike.irwin@dnr.mo.gov>

Jersey County - Cindy Cregmiles codeadmin1@jerseycounty-il.us <mailto:codeadmin1@jerseycounty-il.us>
<mailto:codeadmin1@jerseycounty-il.us>

St. Charles County - Rich Gnecco RGnecco@sccmo.org <mailto:RGnecco@sccmo.org> <mailto:RGnecco@sccmo.org>

City of West Alton - Janet Neustadt janetneustadt@gmail.com <mailto:janetneustadt@gmail.com>
<mailto:janetneustadt@gmail.com>

St. Louis County - Greg Marshall gmarshall@stlouisco.com <mailto:gmarshall@stlouisco.com>
<mailto:gmarshall@stlouisco.com>

Todd C. Wheaton
Assistant Environmental Technical

Leader

GAI Consultants, 3720 Dressler Avenue Northwest, Canton, OH 44718

T 330.433.2680 D 234.203.0765 M 330.415.8364

Facebook <BlockedBlockedBlockedBlockedhttp://www.facebook.com/gaiconsultants> | LinkedIn
<BlockedBlockedBlockedBlockedhttps://www.linkedin.com/company/gai-consultants-inc-> | Twitter
<BlockedBlockedBlockedBlockedhttps://twitter.com/GAIConsultants> | YouTube
<BlockedBlockedBlockedBlockedhttps://www.youtube.com/user/gaiconsultants> | News & Insights
<BlockedBlockedBlockedBlockedhttp://gaiconsultants.com/news-and-insights/our-thinking/>

<BlockedBlockedBlockedBlockedhttp://gaiconsultants.com/>

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

Ali Trunzo

From: Douglas Sipe <dsipe@mdmcorp.com>
Sent: Saturday, February 24, 2018 6:58 PM
To: Gramke, Robert S CIV USARMY CEMVS (US); Ferry, Lori M; Meyer, David P CIV USARMY CEMVS (US)
Cc: Todd Wheaton; Ali Trunzo; S. Xiah Kragie; Laurie Boros
Subject: Re: Spire STL Pipeline-SHPO Clarification

Sure Rob...I copied Xiah Kragie the FERC PM for this project and the lead archaeologist Laurie Boros. They can talk to you guys about this. Please let Lori or I know if you need anything else. Have a great weekend.

Doug Sipe
MDM
410.353.1140

----- Original message -----

From: "Gramke, Robert S CIV USARMY CEMVS (US)" <Robert.S.Gramke@usace.army.mil>
Date: 2/24/18 4:03 PM (GMT-06:00)
To: "Ferry, Lori M" <lmferry@burnsmcd.com>, "Meyer, David P CIV USARMY CEMVS (US)" <David.P.Meyer@usace.army.mil>, Douglas Sipe <dsipe@mdmcorp.com>
Cc: Todd Wheaton <T.Wheaton@gaiconsultants.com>, Ali Trunzo <A.Trunzo@gaiconsultants.com>
Subject: RE: Spire STL Pipeline-SHPO Clarification

Lori,

Do you have a POC with FERC that I can contact to discuss this while Dave is out of the office?

Rob

-----Original Message-----

From: Ferry, Lori M [<mailto:lmferry@burnsmcd.com>]
Sent: Friday, February 23, 2018 3:03 PM
To: Meyer, David P CIV USARMY CEMVS (US) <David.P.Meyer@usace.army.mil>; Douglas Sipe <dsipe@mdmcorp.com>
Cc: Gramke, Robert S CIV USARMY CEMVS (US) <Robert.S.Gramke@usace.army.mil>; Todd Wheaton <T.Wheaton@gaiconsultants.com>; Ali Trunzo <A.Trunzo@gaiconsultants.com>
Subject: [Non-DoD Source] RE: Spire STL Pipeline-SHPO Clarification

Hi David,
Thanks for the email.

This might be something to discuss with FERC. The process of the MOA (if needed) will be between FERC and the SHPO so I'm not sure we can agree to the condition not knowing what FERC will do or to what extent they will engage the tribes.

Let me know if we can facilitate that conversation in any way!

Hope things went well for you today and you enjoy your break with the new baby!

Have a great weekend,
Lori

-----Original Message-----

From: Meyer, David P CIV USARMY CEMVS (US) [<mailto:David.P.Meyer@usace.army.mil>]
Sent: Thursday, February 22, 2018 3:26 PM
To: Ferry, Lori M <lmferry@burnsmcd.com>; Douglas Sipe <dsipe@mdmcorp.com>
Cc: Gramke, Robert S CIV USARMY CEMVS (US) <Robert.S.Gramke@usace.army.mil>
Subject: RE: Spire STL Pipeline-SHPO Clarification

Hey Lori and Doug,

I have spoken with my supervisor and our archeologist, we should be able to issue the Section 404 authorization upon the FERC certificate and Section 408 authorization. However, we would feel more comfortable if a condition was put in place that included tribal consultation. Our archeologist recommended that in between condition c & d that something could be proposed along the lines as such:

As part of the Section 106 process, allow for 30 days for tribal review and include any tribal comments.

Now I know that this is FERC's condition, so I am not sure how much input you would have....With FERC being the lead agency, we do not need to be involved in the MOA process, our main concern is that consultation with the Tribes is being handled appropriately. Then we would just need documentation that the tribal consultation had been completed.

I hope this makes sense, let me know if you have any other questions. I will be out of the office for the next two weeks but I will have my laptop and checking it daily. Todd Wheaton emailed me and it appears that the FERC Certificate probably will not be issued for a few more weeks, so I should be able to handle things directly.

My supervisor will be available to handle any pressing concerns or questions while I am away, feel free to give him a call if need be (Rob Gramke, 314-331-8187)

Thanks and have a great weekend,

David Meyer
U.S. Army Corps of Engineers
St. Louis District, Regulatory Branch
1222 Spruce St.
St. Louis, Missouri 63103
314.331.8810

-----Original Message-----

From: Ferry, Lori M [<mailto:lmferry@burnsmcd.com>]
Sent: Friday, February 16, 2018 5:37 PM
To: Meyer, David P CIV USARMY CEMVS (US) <David.P.Meyer@usace.army.mil>
Cc: Douglas Sipe <dsipe@mdmcorp.com>
Subject: [Non-DoD Source] Spire STL Pipeline-SHPO Clarification

Hi David

I apologize for my delay in getting you this email! I have been sick much of the week!

As discussed on Wednesday morning, below is the FERC condition (which was contained in the EA issued on September 29, 2017 and will be included in the FERC Certificate) which requires us to provide all SHPO concurrence information and/or mitigation plans prior to proceeding with construction

Spire shall not begin construction of facilities and/or use of staging, storage, or temporary work areas and new or to-be-improved

access roads until:

- a. Spire files with the Secretary, the Illinois SHPO's comments on the archaeological addenda and Phase II reports provided to date;
- b. Spire files with the Secretary, the Missouri SHPO's comments on the architectural addendum report;
- c. Spire files with the Secretary remaining cultural resources survey reports(s) and revised reports; any required site evaluation report(s) and avoidance/treatment plan(s); and the Missouri and Illinois SHPOs' comments on the reports and plans;"
- d. the Advisory Council on Historic Preservation is afforded an opportunity to comment if historic properties would be adversely affected; and
- e. the FERC staff reviews and the Director of OEP approves the cultural resources reports and plans, and notifies Spire in writing that treatment plans/mitigation measures (including archaeological data recovery) may be implemented and/or construction may proceed.

All materials filed with the Commission containing location, character, and ownership information about cultural resources must have the cover and any relevant pages therein clearly labeled in bold lettering: "CUI//PRIV - DO NOT RELEASE".

Typically, once the FERC Certificate is issued, we will have to file an Implementation Plan indicating how we will adhere and implement each condition of the Certificate. Once that is complete, we then have to request a Notice to Proceed from FERC in order to initiate construction which cannot be done until federal authorizations are in place and Section 106 is complete (or an MOA is signed and in place).

Hope this helps. Please let us know how your legal folks view this and whether we the USACE can issue the Section 404/10 based on this condition.

Thank you and have a great weekend,

Lori

Lori Ferry \ Burns & McDonnell

Department Manager \ Environmental Services

O 630-724-3337 \ m 630-605-5255

lmferry@burnsmcd.com <<mailto:lmferry@burnsmcd.com>> \ burnsmcd.com <BlockedBlockedhttp://www.burnsmcd.com/>

1431 Opus Place Suite 400 \ Downers Grove, IL 60515

Ali Trunzo

From: Todd Wheaton
Sent: Friday, February 23, 2018 9:26 AM
To: Meyer, David P CIV USARMY CEMVS (US)
Cc: Ali Trunzo; Robin Weissert
Subject: RE: Spire 404 Approval Contact List
Attachments: 2016-582 NW_12_GAI_markup.docx

Good Morning Dave,

Attached is the revised 404 conditions including our markups. Please let me know if you have any questions or need further clarification on any of the updates.

Thanks and good luck with the new addition!

Todd C. Wheaton
D 234.203.0765 M 330.415.8364

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

-----Original Message-----

From: Meyer, David P CIV USARMY CEMVS (US) [mailto:David.P.Meyer@usace.army.mil]
Sent: Thursday, February 22, 2018 10:57 AM
To: Todd Wheaton <T.Wheaton@gaiconsultants.com>
Cc: Ali Trunzo <A.Trunzo@gaiconsultants.com>; Robin Weissert <R.Weissert@gaiconsultants.com>
Subject: RE: Spire 404 Approval Contact List

Todd,

Thanks for the heads-up, I will be taking my laptop home with me and working on this over my time-off to ensure that everything is done in a timely manner.

Do you guys have an expected date that the FERC certificate and Sec 408 will be complete?

Dave

-----Original Message-----

From: Todd Wheaton [mailto:T.Wheaton@gaiconsultants.com]
Sent: Thursday, February 22, 2018 9:49 AM
To: Meyer, David P CIV USARMY CEMVS (US) <David.P.Meyer@usace.army.mil>
Cc: Ali Trunzo <A.Trunzo@gaiconsultants.com>; Robin Weissert <R.Weissert@gaiconsultants.com>
Subject: [Non-DoD Source] RE: Spire 404 Approval Contact List

Hello David,

Just wanted to follow up with you on the list of conditions. We have done an internal review and just noticed a couple very minor errors, most of which pertained to mitigation totals (based on the current alignment & purchase of credits) and the list of recipients. Spire's legal team has also asked to review the list just to make sure there are no surprises on their end, and we are currently waiting on any questions/comments they may have before I send you back our markups. Just wanted to keep you in the loop on all this before you take some time off with the new baby.

Good Luck with the new addition!
Todd

Todd C. Wheaton
D 234.203.0765 M 330.415.8364

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

-----Original Message-----

From: Meyer, David P CIV USARMY CEMVS (US) [mailto:David.P.Meyer@usace.army.mil]
Sent: Tuesday, February 13, 2018 11:29 AM
To: Todd Wheaton <T.Wheaton@gaiconsultants.com>
Cc: Ali Trunzo <A.Trunzo@gaiconsultants.com>; Robin Weissert <R.Weissert@gaiconsultants.com>
Subject: RE: Spire 404 Approval Contact List

Todd, Ali and Robin:

Please see the attached "Draft" permit authorization letter, I have reviewed this several times and just want to double check with you to make sure I have some of the correct dates and language associated with the project. The special conditions is similar to past pipeline projects we have had within our district over the past few years. If there is anything that stands out to you that needs to be addressed or corrected, please let me know.

Between handling my other project workload, phone calls, site visits, and scrolling through the many boxes and electronic files I have on this project - there may have been a chance that I got a figure or date wrong. I just want to eliminate any errors before the date comes to issue the permit.

My wife and I are due with baby #2 on February 23, so I am just ensuring that everything will be ready to go and there will not be any delays on our end.

Also, we will need to be given a copy of any SHPO MOA's and their final clearance before we can issue the permit.

Just let me know if you have any questions or feel free to give me a call.

David Meyer
U.S. Army Corps of Engineers
St. Louis District, Regulatory Branch
1222 Spruce St.

Ali Trunzo

From: Todd Wheaton
Sent: Thursday, February 22, 2018 11:03 AM
To: Meyer, David P CIV USARMY CEMVS (US)
Cc: Ali Trunzo; Robin Weissert
Subject: RE: Spire 404 Approval Contact List

Hey David,

We got 2 data requests from FERC yesterday (not environmentally-related) that have a 20-day turnaround time, plus some time after that for FERC review before the certificate can be issued. So I'm guessing it will be close to another month before things are settled on the FERC side. As far as the 408 I have not heard an exact date, but will follow up on that to see if I can get a little more insight. I will keep you posted.

Thanks!
Todd

Todd C. Wheaton
D 234.203.0765 M 330.415.8364

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

-----Original Message-----

From: Meyer, David P CIV USARMY CEMVS (US) [mailto:David.P.Meyer@usace.army.mil]
Sent: Thursday, February 22, 2018 10:57 AM
To: Todd Wheaton <T.Wheaton@gaiconsultants.com>
Cc: Ali Trunzo <A.Trunzo@gaiconsultants.com>; Robin Weissert <R.Weissert@gaiconsultants.com>
Subject: RE: Spire 404 Approval Contact List

Todd,

Thanks for the heads-up, I will be taking my laptop home with me and working on this over my time-off to ensure that everything is done in a timely manner.

Do you guys have an expected date that the FERC certificate and Sec 408 will be complete?

Dave

-----Original Message-----

From: Todd Wheaton [mailto:T.Wheaton@gaiconsultants.com]
Sent: Thursday, February 22, 2018 9:49 AM
To: Meyer, David P CIV USARMY CEMVS (US) <David.P.Meyer@usace.army.mil>
Cc: Ali Trunzo <A.Trunzo@gaiconsultants.com>; Robin Weissert <R.Weissert@gaiconsultants.com>

Subject: [Non-DoD Source] RE: Spire 404 Approval Contact List

Hello David,

Just wanted to follow up with you on the list of conditions. We have done an internal review and just noticed a couple very minor errors, most of which pertained to mitigation totals (based on the current alignment & purchase of credits) and the list of recipients. Spire's legal team has also asked to review the list just to make sure there are no surprises on their end, and we are currently waiting on any questions/comments they may have before I send you back our markups. Just wanted to keep you in the loop on all this before you take some time off with the new baby.

Good Luck with the new addition!
Todd

Todd C. Wheaton
D 234.203.0765 M 330.415.8364

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

-----Original Message-----

From: Meyer, David P CIV USARMY CEMVS (US) [mailto:David.P.Meyer@usace.army.mil]
Sent: Tuesday, February 13, 2018 11:29 AM
To: Todd Wheaton <T.Wheaton@gaiconsultants.com>
Cc: Ali Trunzo <A.Trunzo@gaiconsultants.com>; Robin Weissert <R.Weissert@gaiconsultants.com>
Subject: RE: Spire 404 Approval Contact List

Todd, Ali and Robin:

Please see the attached "Draft" permit authorization letter, I have reviewed this several times and just want to double check with you to make sure I have some of the correct dates and language associated with the project. The special conditions is similar to past pipeline projects we have had within our district over the past few years. If there is anything that stands out to you that needs to be addressed or corrected, please let me know.

Between handling my other project workload, phone calls, site visits, and scrolling through the many boxes and electronic files I have on this project - there may have been a chance that I got a figure or date wrong. I just want to eliminate any errors before the date comes to issue the permit.

My wife and I are due with baby #2 on February 23, so I am just ensuring that everything will be ready to go and there will not be any delays on our end.

Also, we will need to be given a copy of any SHPO MOA's and their final clearance before we can issue the permit.

Just let me know if you have any questions or feel free to give me a call.

David Meyer

U.S. Army Corps of Engineers
St. Louis District, Regulatory Branch
1222 Spruce St.
St. Louis, Missouri 63103
314.331.8810

-----Original Message-----

From: Todd Wheaton [mailto:T.Wheaton@gaiconsultants.com]
Sent: Monday, February 12, 2018 8:20 AM
To: Meyer, David P CIV USARMY CEMVS (US) <David.P.Meyer@usace.army.mil <mailto:David.P.Meyer@usace.army.mil>
>
Cc: Ali Trunzo <A.Trunzo@gaiconsultants.com <mailto:A.Trunzo@gaiconsultants.com> >; Robin Weissert
<R.Weissert@gaiconsultants.com <mailto:R.Weissert@gaiconsultants.com> >
Subject: [Non-DoD Source] Spire 404 Approval Contact List

Good Morning David,

We have compiled the contact list you requested for anyone that would require a copy of the 404 approval when you send it out. Please see the list below and let me know if you need any additional information.

Thanks,
Todd

Spire - Scott Jaskowiak Scott.Jaskowiak@spireenergy.com <mailto:Scott.Jaskowiak@spireenergy.com>
<mailto:Scott.Jaskowiak@spireenergy.com> ; and Russ English Russ.English@SpireEnergy.com
<mailto:Russ.English@SpireEnergy.com> <mailto:Russ.English@SpireEnergy.com>

Burns McDonnell - Lori Ferry lmferry@burnsmcd.com <mailto:lmferry@burnsmcd.com>
<mailto:lmferry@burnsmcd.com>

GAI Consultants - Todd Wheaton T.Wheaton@gaiconsultants.com <mailto:T.Wheaton@gaiconsultants.com>
<mailto:T.Wheaton@gaiconsultants.com>

USACE (Section 408 Approval) - Matt Hunn Matthew.J.Hunn@usace.army.mil
<mailto:Matthew.J.Hunn@usace.army.mil> <mailto:Matthew.J.Hunn@usace.army.mil>

IEPA - Darren Gove darren.gove@illinois.gov <mailto:darren.gove@illinois.gov> <mailto:darren.gove@illinois.gov>

MDNR - Mike Irwin mike.irwin@dnr.mo.gov <mailto:mike.irwin@dnr.mo.gov> <mailto:mike.irwin@dnr.mo.gov>

Jersey County - Cindy Cregmiles codeadmin1@jerseycounty-il.us <mailto:codeadmin1@jerseycounty-il.us>
<mailto:codeadmin1@jerseycounty-il.us>

St. Charles County - Rich Gnecco RGnecco@sccmo.org <mailto:RGnecco@sccmo.org> <mailto:RGnecco@sccmo.org>

City of West Alton - Janet Neustadt janetneustadt@gmail.com <mailto:janetneustadt@gmail.com>
<mailto:janetneustadt@gmail.com>

St. Louis County - Greg Marshall gmarshall@stlouisco.com <mailto:gmarshall@stlouisco.com>
<mailto:gmarshall@stlouisco.com>

Todd C. Wheaton
Assistant Environmental Technical

Leader

GAI Consultants, 3720 Dressler Avenue Northwest, Canton, OH 44718

T 330.433.2680 D 234.203.0765 M 330.415.8364

Facebook <BlockedBlockedhttp://www.facebook.com/gaiconsultants> | LinkedIn
<BlockedBlockedhttps://www.linkedin.com/company/gai-consultants-inc-> | Twitter
<BlockedBlockedhttps://twitter.com/GAIConsultants> | YouTube
<BlockedBlockedhttps://www.youtube.com/user/gaiconsultants> | News & Insights
<BlockedBlockedhttp://gaiconsultants.com/news-and-insights/our-thinking/>

<BlockedBlockedhttp://gaiconsultants.com/>

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

telephone log



gai consultants

Date: 02/07/2018

Project / Admin. No.: E160438.00

Call From: David Meyer

Company: USACE, St. Louis District

Phone No.: 314-331-8810

Call To: Todd Wheaton

Company: GAI Consultants

Phone No.: 234-203-0765

Subject: Section 404 Permitting

cc:

Summary of Discussion, Decisions, and Commitments:

David called and told me he's planning to send us the list of special conditions for our 404 permit tomorrow that he has asked us to review to make sure we are still in compliance and there are no last minute surprises (we shouldn't expect any). He also requested a list of contacts for anyone that would need a copy of the 404 approval (i.e. Spire, Agencies awaiting approval, etc.).

Ali Trunzo

From: Todd Wheaton
Sent: Wednesday, February 07, 2018 12:39 PM
To: Meyer, David P CIV USARMY CEMVS (US)
Cc: Ali Trunzo; Robin Weissert
Subject: Spire STL Pipeline Mitigation Purchase
Attachments: Credit Purchase Confirmation - Rosedale Wetland Bank.pdf

Hey David,

I wanted to follow up to make sure you were able to download the files I sent on Monday afternoon. I also was unsure if you had received confirmation from Rosedale Wetland Bank on the Missouri side. I received this email (attached) from their president Harold Burkemper the other day and figured I would pass it along for your records. Please let me know if you have any issues retrieving the files I sent or have any additional questions.

Thanks,
Todd

Todd C. Wheaton

Assistant Environmental Technical Leader

GAI Consultants, 3720 Dressler Avenue Northwest, Canton, OH 44718

T 330.433.2680 **D** 234.203.0765 **M** 330.415.8364

[Facebook](#) | [LinkedIn](#) | [Twitter](#) | [YouTube](#) | [News & Insights](#)



**ENGINEERING,
PLANNING, AND
ENVIRONMENTAL
CONSULTING SINCE 1958**

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

Ali Trunzo

From: Todd Wheaton
Sent: Monday, February 05, 2018 6:02 PM
To: Ali Trunzo
Subject: Project: E160438.00 - Spire - STL Pipeline Proj - File Transfer - Spire STL Pipeline Agency Consultation Information

Note: You have been CC'd on this notification.

IMPORTANT: Click a link below to access files associated with this transmittal that came in through the GAI Consultants, Inc. Info Exchange web site.

[View the transmittal in Newforma Project Center](#)

Additional links:

[Download all associated files](#)

[Sign in to the GAI Consultants, Inc. Info Exchange site](#)

[Configure cloud storage delivery](#)

[Reply to All](#)

Project Name: E160438.00 - Spire - STL Pipeline Proj
Project Number: E160438.00

From: Todd Wheaton (GAI Consultants, Inc.)
To: David.P.Meyer@usace.army.mil
CC: Ali Trunzo (GAI Consultants, Inc.); Todd Wheaton (GAI Consultants, Inc.); Robin Weissert (GAI Consultants, Inc.)
Subject: Spire STL Pipeline Agency Consultation Information
Sent via: Info Exchange
Expiration Date: None
Remarks: Good Afternoon David,

Just wanted to follow up with you and let you know we pulled together the consultation from each agency so you have them in sequential order. It is contained in the zip file that can be downloaded at the provided link. Also wanted to provide some more insight to a couple of the items you requested. Please see below and let me know if you have any additional questions.

FERC Environmental Assessment: FERC issued the Environmental Assessment on the Project on September 29, 2017. This is the final NEPA document prepared for the Project. FERC has not issued its Certificate for final authorization of the Project. We can forward this item to you once it is received.

USFWS Biological Opinion: USACE issued the final Biological Opinion on February 2, 2018 and is included in this data package.

SHPO Correspondence: We are still waiting on concurrence from the Addendum V reports submitted to both IL and MO SHPO's. All other correspondence is included in the data package, and we will forward the final concurrence letters once they are received from each SHPO. We still have an outstanding potential adverse impact in Illinois. We may be developing an Memorandum of Agreement with the IL SHPO and FERC once the Certificate has been issued. We will keep you updated on these discussions once we talk to FERC.

Section 408 Coordination: The Section 408 coordination is still ongoing and is on track to be issued upon receipt of the FERC Certificate. Matt Hunn has been overseeing the review of the permit and coordination between the USACE St. Louis District and the Consolidated North County Levee District once Ed Rodriguez-Robles departed. Spire has had continued coordination with Susan Wilson in USACE St. Louis District and USACE Headquarters. Spire has also attended several meetings with the USACE St. Louis District and the Consolidation North County Levee District. All previously submitted project documentation is included in the data package.

MDNR 401 Water Quality Certification: As we currently stand we will no longer require the individual 401 in Missouri. We were able to reduce our impacts below the threshold for the individual 401, so the programmatic coverage will apply. Documentation from Mike Irwin at the MDNR is included in the data package.

Illinois EPA 401 Water Quality Certification: Not sure if you have heard from them regarding 401 coverage. I spoke with Darin Gove at the end of November and he informed me that they had done a cursory review and were in agreement that the programmatic 401 would apply as well. He said they don't typically coordinate with USACE unless there is a need for an individual 401 so that might explain the lack of communication on their end previously. Documentation from Darin Gove at the IEPA is included in the data package.

State and Local Permitting: Coordination with State and Local agencies regarding Project permits/approvals is included in the data package. A table outlining the required approvals for the Project is also included for reference.

Thanks!
Todd

Transferred Files

NAME	TYPE	DATE	TIME	SIZE
<u>2018-02-05 Spire STL Agency Consultation.zip</u>	Compressed (zipped) Folder	2/5/2018	4:12 PM	310,880 KB
<u>Transmittal - 00105.pdf</u>	PDF File	2/5/2018	6:01 PM	96 KB

Ali Trunzo

Subject: FW: SPIRE STL Pipeline

-----Original Message-----

From: Meyer, David P CIV USARMY CEMVS (US) [<mailto:David.P.Meyer@usace.army.mil>]

Sent: Tuesday, January 30, 2018 9:39 AM

To: Todd Wheaton <T.Wheaton@gaiconsultants.com>

Subject: SPIRE STL Pipeline

Hey Todd,

I was just seeing how the timeline was going with the project, I pretty much have the Section 404/10 documents drafted so that way things are ready to go when other portions/permits/certifications get finalized. My wife and I are due to have baby #2 on February 23, so I just want to be prepared in case there is a project construction time crunch.

I believe the main portions that are needed yet is the **USFWS Biological Opinion, Section 408 Documents, some SHPO documents on the couple final survey areas, & Finalized FERC EA**. Let me know if there is any other things that are awaiting. I also would like you to review the Section 404/10 document special conditions before we issue, to make sure everything is accurate and so there is no misunderstandings.

I know things are kind of scattered throughout all of the addendums and submittals but **I was wondering if you could electronically send me an attachment with all of the IL & MO SHPO coordination and documents, an attachment with the Section 408 coordination, USFWS coordination and documents, and any other state or local certifications**. Have you gotten every squared away with MDNR for the 401 portion? If the email documents would be too large, you could mail CD's. Let me know if this is something that could be feasible.

I look forward to hearing back from you and hopefully this project will be about wrapped up soon.

Thanks

David Meyer
U.S. Army Corps of Engineers
St. Louis District, Regulatory Branch
1222 Spruce St.
St. Louis, Missouri 63103
314.331.8810



January 12, 2018
Project E160438.00

Mr. David Meyer
U.S. Army Corps of Engineers
St. Louis District
1222 Spruce Street
St. Louis, Missouri 63103-2833

**Re: Supplemental Information for Addendum III to
Nationwide Permit 12 Pre-Construction Notification
Spire STL Pipeline LLC
Spire STL Pipeline Project (MVS-2016-582)
Scott, Greene, and Jersey Counties, Illinois, and
St. Charles and St. Louis Counties, Missouri**

Dear Mr. Meyer:

On behalf of Spire STL Pipeline LLC ("Spire"), GAI Consultants, Inc. ("GAI") is submitting additional information as a supplement to the Addendum III to Nationwide Permit 12 Pre-Construction Notification and Section 10 letter of permission request for the Spire STL Pipeline Project ("Project"), which was submitted to your office on December 15, 2017. This update addresses two route segments that have reverted to a previously submitted alignment due to a landowner request, and additional environmental surveys where permission was previously unavailable. Route changes are located between mileposts 2.2R3 through 3.0 and mileposts 14.3 through 15.1. Environmental surveys were completed along previously inaccessible tracts between mileposts 33.6 through 33.9 and 34.5 through 34.7 on the 24-inch pipeline, and mileposts 1.9R3 and 2.1R2 through 2.3R2 on the North County Extension. Environmental surveys are now complete for the route as shown. Changes are detailed on the revised plan view maps below.

As currently proposed, temporary impacts to 86 streams and 46 wetlands will be necessary to construct the Project. Impacted streams and wetlands will be crossed using the dry-ditch, open-cut method. Additionally, temporary crossings of 26 streams and 19 wetlands located within the Project workspace and along associated access roads will be required during construction of the Project. Other aquatic resources, including the Mississippi and Missouri Rivers, Spanish Lake, and Sunfish Lake, will be crossed using a Horizontal Directional Drill ("HDD") method. Detailed information regarding these impacts can be found in Tables 1 and 2 below.

Spire is also providing an update on agency correspondence regarding Section 7 Endangered Species Act and Section 106 National Historic Preservation Act consultations:

- On January 10, 2018, the United States Fish and Wildlife Service issued the draft Biological Opinion for Indiana bat (*Myotis sodalis*) to the Federal Energy Regulatory Commission and it is currently under review.
- The Illinois Historic Preservation Agency ("IHPA") and Missouri State Historic Preservation Office ("MO SHPO") concurred with Spire's Phase I Addendum IV Archaeological Survey in letters dated December 20, 2017 and December 8, 2017, respectively.
- On January 10, 2018, Spire submitted the results of the Phase I Addendum V Archaeological Survey to the IHPA and MO SHPO. Concurrence on these reports is pending and can be forwarded upon receipt.
- On November 29, 2017, Spire received concurrence from the MO SHPO that the Project would have no adverse effect to historic properties, which concludes consultations regarding architectural resources.

With the submittal of Phase I Addendum V survey results, Spire has completed Phase I archaeological surveys on the Project as currently designed. Spire continues to coordinate with IHPA regarding Phase II surveys or avoidance for one potentially eligible site in Illinois. Additional agency correspondence is attached below.

Spire and GAI thank you in advance for your review of this supplemental information. Please feel free to contact me at 330.415.8364, or at t.wheaton@gaiconsultants.com if there are any questions or concerns.

Sincerely,

GAI Consultants, Inc.



Todd C. Wheaton
Assistant Environmental Technical Leader

TCW/djz

Attachments: Tables, Plan View Map

Ali Trunzo

From: Rankins, Jonathan E CIV USARMY CEMVS (US) <Jonathan.E.Rankins@usace.army.mil>
Sent: Thursday, December 28, 2017 1:30 PM
To: Ali Trunzo; Prebianca, Jacob A CIV USARMY CEMVS (US); Viehweg, William H CIV USARMY CEMVS (US)
Cc: Lori M Ferry (lmferry@burnsmcd.com); Robin Weissert
Subject: RE: Spire STL Pipeline – Coldwater Creek

No USACE utility support required

-----Original Message-----

From: Ali Trunzo [mailto:A.Trunzo@gaiconsultants.com]
Sent: Thursday, December 21, 2017 4:44 PM
To: Prebianca, Jacob A CIV USARMY CEMVS (US) <Jacob.A.Prebianca@usace.army.mil>; Rankins, Jonathan E CIV USARMY CEMVS (US) <Jonathan.E.Rankins@usace.army.mil>
Cc: Lori M Ferry (lmferry@burnsmcd.com) <lmferry@burnsmcd.com>; Ali Trunzo <A.Trunzo@gaiconsultants.com>; Robin Weissert <R.Weissert@gaiconsultants.com>
Subject: [EXTERNAL] Spire STL Pipeline – Coldwater Creek

Hello,

GAI, on behalf of Spire STL Pipeline LLC (Spire), previously coordinated with you regarding the crossing of Coldwater Creek as part of the proposed Spire STL Pipeline Project. Due to some constructability constraints with the previously proposed horizontal directional drill (HDD) of Coldwater Creek, Spire is now proposing to open cut the stream in an alternative location (please see attached mapping).

Are there any concerns with contamination or any need for utility support for this proposed crossing?

Thank you,

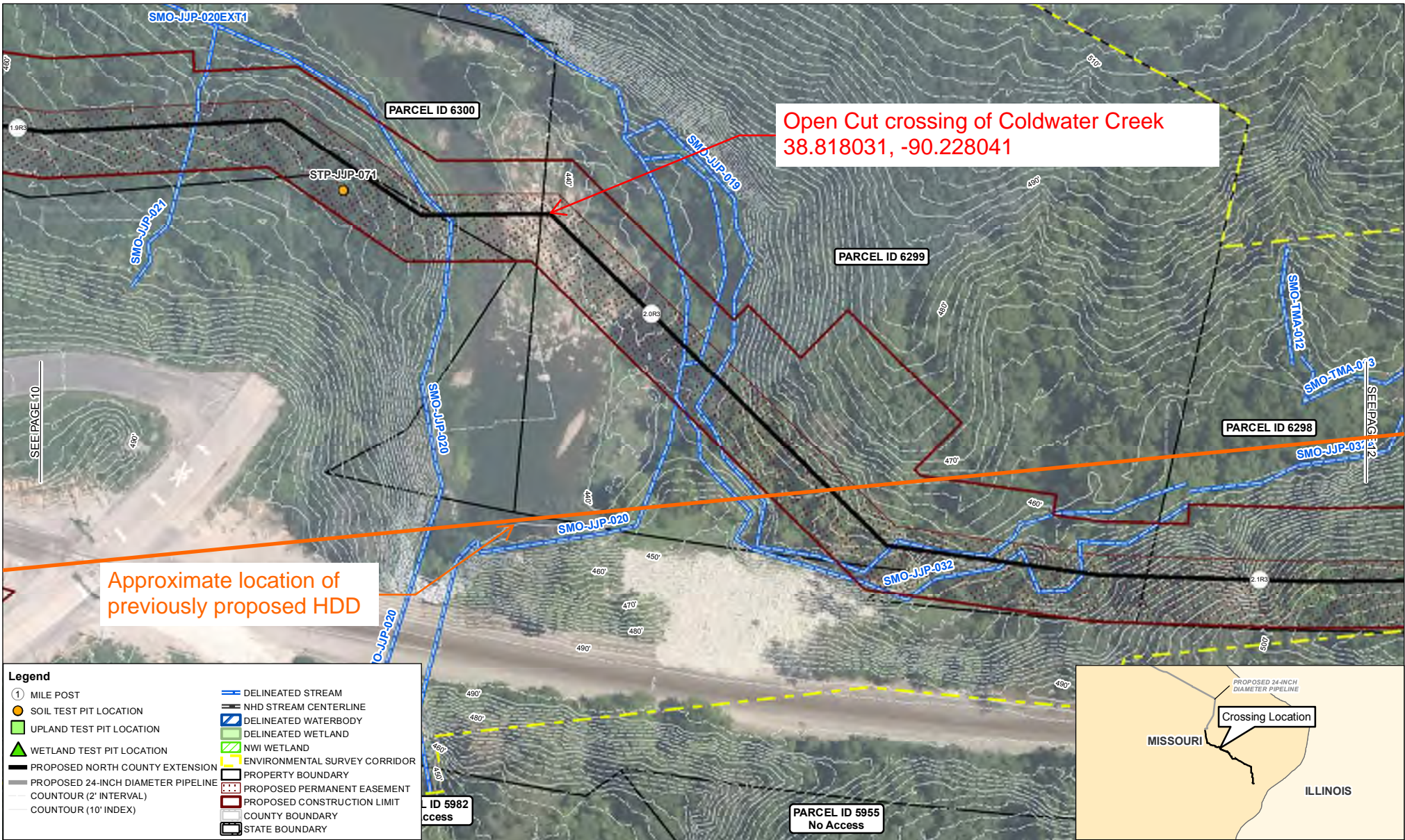
Ali

Alessandra M. Trunzo

D 412.399.5096 Email a.trunzo@gaiconsultants.com

<Blockedhttp://gaiconsultants.com/>

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

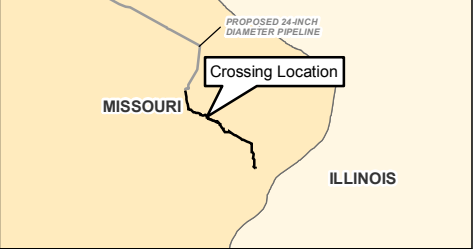


**Open Cut crossing of Coldwater Creek
38.818031, -90.228041**

**Approximate location of
previously proposed HDD**

Legend

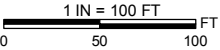
- ① MILE POST
- SOIL TEST PIT LOCATION
- UPLAND TEST PIT LOCATION
- ▲ WETLAND TEST PIT LOCATION
- PROPOSED NORTH COUNTY EXTENSION
- PROPOSED 24-INCH DIAMETER PIPELINE
- COUNTOUR (2' INTERVAL)
- COUNTOUR (10' INDEX)
- DELINEATED STREAM
- NHD STREAM CENTERLINE
- DELINEATED WATERBODY
- DELINEATED WETLAND
- NWI WETLAND
- ENVIRONMENTAL SURVEY CORRIDOR
- PROPERTY BOUNDARY
- PROPOSED PERMANENT EASEMENT
- PROPOSED CONSTRUCTION LIMIT
- COUNTY BOUNDARY
- STATE BOUNDARY



Impact Table

GAI ID	Latitude	Longitude	Crossing Type	Impact Within LOD	Impact Within Permanent ROW	Clearing Within Temporary Workspace	Stream Name	Type
SMO-JJP-019	38.817622	-90.227917	Dry Ditch Flume	60 feet	31 feet	29 feet	UNT to Coldwater Creek	Perennial
SMO-JJP-020	38.818193	-90.228281	Dry Ditch Flume	123 feet	62 feet	61 feet	Coldwater Creek	Perennial
SMO-JJP-021	38.818605	-90.228667	Dry Ditch Flume	79 feet	52 feet	27 feet	UNT to Coldwater Creek	Ephemeral
SMO-JJP-032	38.816792	-90.227466	Dry Ditch Flume	292 feet	219 feet	73 feet	UNT to Coldwater Creek	Perennial

NOTE: THE PARCEL BOUNDARIES DEPICTED IN THESE DRAWINGS ARE BASED ON TAX MAP DATA.



SPIRE STL PIPELINE PROJECT
WETLAND & WATERBODY SITE SPECIFIC DRAWING
ST. LOUIS COUNTY, MISSOURI

MP 1.9R3 TO MP 2R3
STLP-ENV-011

DATE	REV	REV DESCRIPTION	DRAWN BY	CHECK BY	APPR. BY
12/2017	3	ISSUE FOR PERMIT	EAP	ASH	JW

PREPARED FOR **Spire STL Pipeline**



Indianapolis Office
6420 Castleway West Drive
Indianapolis, IN 46250

T 317.570.6800
F 317.570.6810

December 15, 2017

Project E160438.00

David Meyer
U.S. Army Corps of Engineers
St. Louis District
1222 Spruce Street
St. Louis, Missouri 63103-2833

**Addendum III to Nationwide Permit 12 Pre-Construction Notification and Section 10 Letter of Permission Request
Spire STL Pipeline LLC
Spire STL Pipeline Project (MVS-2016-582)
Scott, Greene, and Jersey Counties, Illinois, and St. Charles and St. Louis Counties, Missouri**

Dear Mr. Meyer:

On behalf of Spire STL Pipeline LLC ("Spire"), GAI Consultants, Inc. ("GAI") submitted a Nationwide Permit 12 Pre-Construction Notification ("PCN") and Section 10 letter of permission request for the Spire STL Pipeline Project ("Project"), located in Scott, Greene, and Jersey Counties, Illinois ("IL"), and St. Charles and St. Louis Counties, Missouri ("MO") to your office on January 27, 2017. An Addendum to the PCN was submitted to your office on April 21, 2017, and a second Addendum on July 14, 2017. Due to minor changes in the Project alignment, and obtaining additional survey permission, GAI has prepared this Addendum to the previously submitted PCN and Section 10 Letter of Permission.

The revised Project will consist of approximately 65 miles of new 24-inch-diameter steel pipeline in two segments. The first segment (referred to as the "24-inch pipeline" portion of the Project) will originate at a new interconnect with the Rockies Express Pipeline LLC ("REX") pipeline in Scott County, Illinois and extend approximately 59 miles through Greene and Jersey Counties in Illinois before crossing the Mississippi River and extending east through St. Charles County, Missouri. The 24-inch pipeline then crosses the Mississippi River into St. Louis County, Missouri, and terminates at a new interconnect with Laclede Gas Company ("LGC"). The second segment of pipeline (referred to as the "North County Extension"), will consist of a new 24-inch-diameter steel pipeline which will extend approximately six miles from the LGC interconnect through the northern portion of St. Louis County and terminate at a new interconnect with Enable Mississippi River Transmission, LLC ("Enable MRT") and LGC. The total length of the Project pipeline will be approximately 65 miles. The Project also includes the construction of three new metering and regulating ("M&R") stations that provide interconnects with (1) REX in Illinois, (2) LGC in Missouri, and (3) Enable MRT and LGC in Missouri. This Project, as proposed, falls under the oversight of the Federal Energy Regulatory Commission ("FERC").

GAI, on behalf of Spire, is hereby submitting for review a hard copy and an electronic copy of the Project's Nationwide Permit ("NWP") 12 PCN Addendum III. This package has been prepared based on the Project adhering to the general and regional conditions of a NWP-12 and Section 401 Water Quality Certification ("WQC") General and Specific Conditions within the State of Illinois and Missouri. Coordination with Missouri Department of Natural Resources ("MDNR") in regard to 401 WQC is ongoing. An Illinois-specific copy of this PCN Addendum III has also been provided to the Illinois Department of Natural Resources and the Illinois Environmental Protection Agency concurrently with this submittal for their confirmation of General Section 401 coverage.

United States Fish and Wildlife Service ("USFWS") consultation was initiated on August 29, 2016 and an initial response was received on December 8, 2016. Subsequent communication with USFWS determined the Project is within range of the decurrent false aster (*Boltonia decurrens*), and surveys were conducted for this species in July and August 2017. A survey report was submitted to USFWS on August 31, 2017 and a response was received on October 26, 2017.

Correspondence with the Illinois Historic Preservation Agency ("IHPA") and the Missouri State Historic Preservation Agency ("MO SHPO") has been ongoing. Additional areas in IL and MO were surveyed during the month of November, however concurrence from each SHPO is still outstanding for portions of the northern workspaces for the

Mississippi River drill and portions of the Missouri River drill. Additional responses from these agencies will be provided once received in the anticipation that this permit application's review can be initiated and completed without those documents in hand. Agency correspondence is included as Attachment B in the attached PCN addendum.

Nationwide Permit (NWP) 12 and Section 10 Letter of Permission Request

As currently proposed, temporary impacts to 88 streams and 46 wetlands will be necessary to construct the Project. Impacted streams and wetlands will be crossed using the dry-ditch open-cut method. A dam and flume method of dewatering is installed to create a dry work area, the trenches are dug, the pipeline is placed, and the trench is then refilled and the work area reclaimed. Additionally, temporary crossings of 27 streams and 19 wetlands located within the Project workspace and along associated access roads will be required during construction of the Project. Other aquatic resources, including the Mississippi and Missouri Rivers, Spanish Lake, and Sunfish Lake, will be crossed using a Horizontal Directional Drill ("HDD") method. This method involves boring a tunnel beneath the aquatic resources through which the pipeline will be pulled and installed. No physical impacts to the aquatic resources are anticipated to occur with this construction method. Detailed information regarding these impacts can be found in Tables 1 and 2 in the attached PCN Addendum.

Avoiding stream and wetland impacts has been one of the driving factors in designing the proposed Project, and the currently proposed alignment represents an alternative that reduces stream and wetland impacts to the furthest extent practicable, while still meeting the purpose and need of the Project. Spire intends to utilize mitigation banking programs in IL and MO for impacts to forested and scrub-shrub wetlands. Further avoidance and minimization includes the placement of timber mats for equipment crossings of streams and wetlands, and the Limit of Disturbance ("LOD") width will be generally narrowed to a 75-foot width at the majority of the resource crossings.

Streams and Wetlands

Fieldwork associated with stream and wetland investigations for the Project was conducted between September 2016 and November 2017. The surveys identified streams and wetlands within a approximately 300-foot wide corridor centered on the proposed pipeline, and a 50-foot wide corridor surrounding the proposed access roads. Field investigations identified 121 wetlands, 237 waterbodies, and 12 ponds within the current Project study area. These features are outlined in the Addendum III to the Wetland Delineation and Stream Identification Report, included in the attached PCN Addendum. Approximately 0.5-mile of the 24-inch pipeline remains unsurveyed due to property access constraints. Desktop identified aquatic resources have been included in these areas to supplement the stream and wetland delineation field efforts. No additional resources are anticipated based on desktop review of the unsurveyed portion of the Project.

Closing

Spire and GAI thank you in advance for your review of this NWP-12 PCN Addendum. Please feel free to contact me at 330-415-8364, or at t.wheaton@gaiconsultants.com if there are any questions or concerns.

Sincerely,

GAI Consultants, Inc.



Todd Wheaton
Assistant Environmental Technical Leader

Attachments: Addendum III to Nationwide Permit 12 Pre-Construction Notification

CC: Illinois Department of Natural Resources, Illinois Environmental Protection Agency, Missouri Department of Natural Resources



Indianapolis Office
6420 Castleway West Drive
Indianapolis, IN 46250

T 317.570.6800
F 317.570.6810

December 15, 2017

Project E160438.00

David Meyer
U.S. Army Corps of Engineers
St. Louis District
1222 Spruce Street
St. Louis, Missouri 63103-2833

**Addendum III to Nationwide Permit 12 Joint Permit Application
Spire STL Pipeline LLC
Spire STL Pipeline Project (MVS-2016-582)
Scott, Greene, and Jersey Counties, Illinois, and St. Charles and St. Louis Counties, Missouri**

Dear Mr. Meyer:

On behalf of Spire STL Pipeline LLC ("Spire"), GAI Consultants, Inc. ("GAI") submitted a Nationwide Permit 12 Joint Permit Application ("JPA") and Section 10 letter of permission request for the Spire STL Pipeline Project ("Project"), located in Scott, Greene, and Jersey Counties, Illinois ("IL"), and St. Charles and St. Louis Counties, Missouri ("MO") to your office on January 27, 2017. An Addendum to the PCN was submitted to your office on April 21, 2017, and a second Addendum on July 14, 2017. Due to minor changes in the Project alignment, and obtaining additional survey permission, GAI has prepared this Addendum to the previously submitted PCN and Section 10 Letter of Permission.

The revised Project will consist of approximately 65 miles of new 24-inch-diameter steel pipeline in two segments. The first segment (referred to as the "24-inch pipeline" portion of the Project) will originate at a new interconnect with the Rockies Express Pipeline LLC ("REX") pipeline in Scott County, Illinois and extend approximately 59 miles through Greene and Jersey Counties in Illinois before crossing the Mississippi River and extending east through St. Charles County, Missouri. The 24-inch pipeline then crosses the Missouri River into St. Louis County, Missouri, and terminates at a new interconnect with Laclede Gas Company ("LGC"). The second segment of pipeline (referred to as the "North County Extension"), will consist of a new 24-inch-diameter steel pipeline which will extend approximately six miles from the LGC interconnect through the northern portion of St. Louis County and terminate at a new interconnect with Enable Mississippi River Transmission, LLC ("Enable MRT") and LGC. The total length of the Project pipeline will be approximately 65 miles. The Project also includes the construction of three new metering and regulating ("M&R") stations that provide interconnects with (1) REX in Illinois, (2) LGC in Missouri, and (3) Enable MRT and LGC in Missouri. This Project, as proposed, falls under the oversight of the Federal Energy Regulatory Commission ("FERC").

GAI, on behalf of Spire, is hereby submitting for review a hard copy and an electronic copy of the Project's Nationwide Permit ("NWP") 12 JPA Addendum III. This package has been prepared based on the Project adhering to the general and regional conditions of a NWP-12 and Section 401 Water Quality Certification ("WQC") General and Specific Conditions within the State of Illinois. A copy of this JPA Addendum has also been provided to the Illinois Department of Natural Resources and the Illinois Environmental Protection Agency concurrently with this submittal for their confirmation of General Section 401 coverage.

United States Fish and Wildlife Service ("USFWS") consultation was initiated on August 29, 2016 and an initial response was received on December 8, 2016. Subsequent communication with USFWS determined the Project is within range of the decurrent false aster (*Boltonia decurrens*), and surveys were conducted for this species in July and August 2017. A survey report was submitted to USFWS on August 31, 2017 and a response was received on October 26, 2017.

Correspondence with the Illinois Historic Preservation Agency ("IHPA") and the Missouri State Historic Preservation Agency ("MO SHPO") has been ongoing. Additional areas in IL and MO were surveyed during the month of November, however concurrence from each SHPO is still outstanding for portions of the northern workspaces for the Mississippi River drill and portions of the Missouri River drill. Additional responses from these agencies will be provided once received in the anticipation that this permit application's review can be initiated and completed without those documents in hand. Agency correspondence is included as Attachment B in the attached PCN addendum.

Nationwide Permit (NWP) 12 and Section 10 Letter of Permission Request

As currently proposed, temporary impacts to 63 streams and 32 wetlands will be necessary to construct the Project. Impacted streams and wetlands will be crossed using the dry-ditch open-cut method. A dam and flume method of dewatering is installed to create a dry work area, the trenches are dug, the pipeline is placed, and the trench is then refilled and the work area reclaimed. Additionally, temporary crossings of 22 streams and 10 wetlands located within the Project workspace and along associated access roads will be required during construction of the Project. Other aquatic resources, including the Mississippi River, will be crossed using a Horizontal Directional Drill ("HDD") method. This method involves boring a tunnel beneath the aquatic resources through which the pipeline will be pulled and installed. No physical impacts to the aquatic resources are anticipated to occur with this construction method. Detailed information regarding these impacts can be found in Tables 1 and 2 in the attached PCN Addendum.

Avoiding stream and wetland impacts has been one of the driving factors in designing the proposed Project, and the currently proposed alignment represents an alternative that reduces stream and wetland impacts to the furthest extent practicable, while still meeting the purpose and need of the Project. Spire has reserved and is in the process of purchasing compensatory mitigation credits for impacts to forested and scrub-shrub wetlands. Further avoidance and minimization includes the placement of timber mats for equipment crossings of streams and wetlands, and the Limit of Disturbance ("LOD") width will be generally narrowed to a 75-foot width at the majority of the resource crossings.

Streams and Wetlands

Fieldwork associated with stream and wetland investigations for the Project was conducted between September 2016 and November 2017. The surveys identified streams and wetlands within a approximately 300-foot wide corridor centered on the proposed pipeline, and a 50-foot wide corridor surrounding the proposed access roads. Field investigations identified 71 wetlands, 175 waterbodies, and 8 ponds within the current Project study area. These features are outlined in the Addendum III to the Wetland Delineation and Stream Identification Report, included in the attached JPA Addendum. Approximately 0.5-mile of the 24-inch pipeline remains unsurveyed due to property access constraints. Desktop identified aquatic resources have been included in these areas to supplement the stream and wetland delineation field efforts. No additional resources are anticipated based on desktop review of the unsurveyed portion of the Project.

Closing

Spire and GAI thank you in advance for your review of this NWP-12 JPA Addendum. Please feel free to contact me at 330-415-8364, or at t.wheaton@gaiconsultants.com if there are any questions or concerns.

Sincerely,

GAI Consultants, Inc.



Todd Wheaton
Assistant Environmental Technical Leader

Attachments: Addendum III to Nationwide Permit 12 Joint Permit Application

CC: Illinois Department of Natural Resources, Illinois Environmental Protection Agency

Ali Trunzo

From: Meyer, David P CIV USARMY CEMVS (US) <David.P.Meyer@usace.army.mil>
Sent: Monday, December 11, 2017 1:20 PM
To: Todd Wheaton
Cc: Ali Trunzo; Robin Weissert
Subject: RE: Spire STL Pipeline (MVS-2016-582)

Todd,

Thanks for the heads up, I will keep an eye out for the addendum to arrive. Everything should still be adequate for our review.

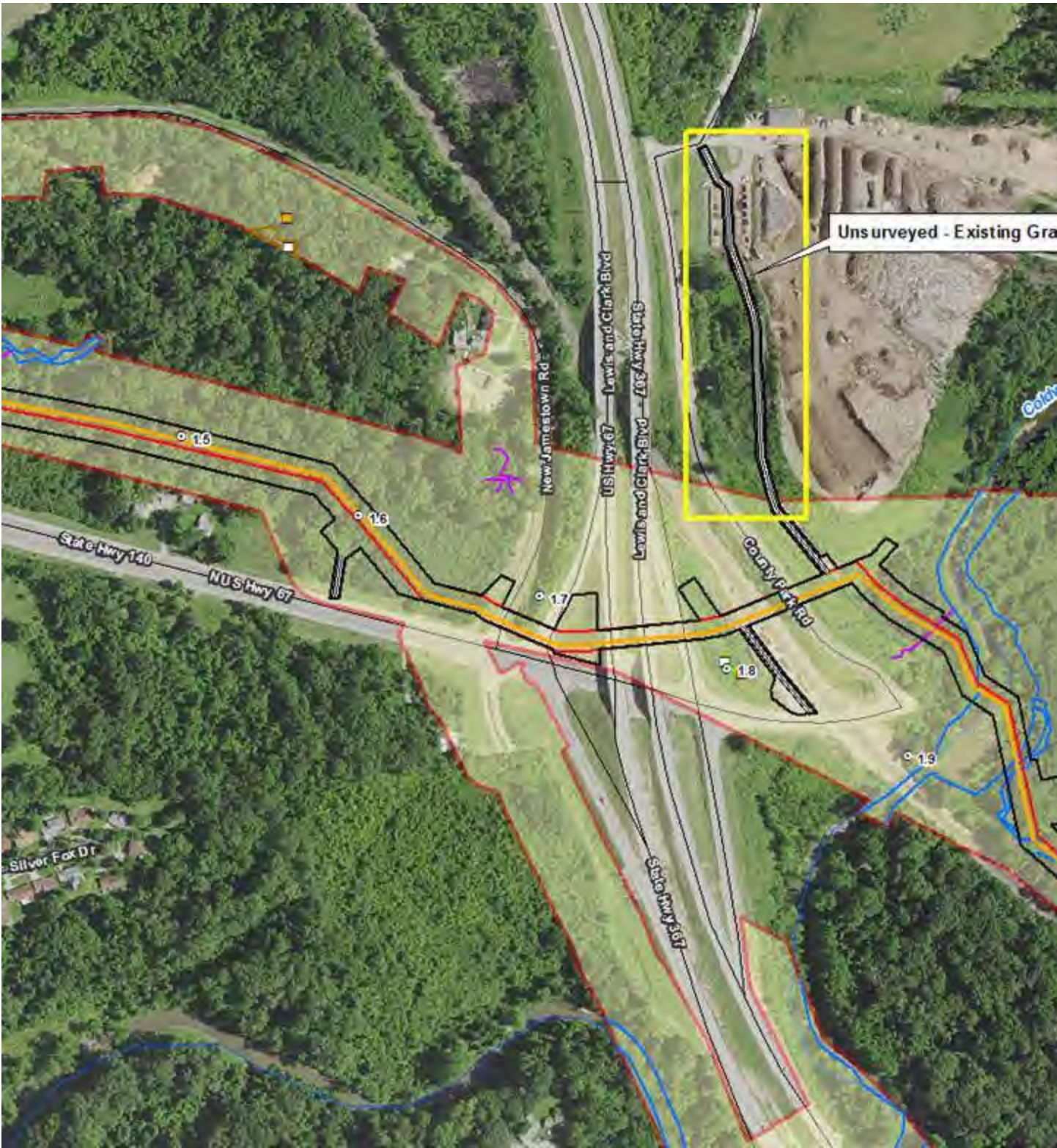
David Meyer
U.S. Army Corps of Engineers
St. Louis District, Regulatory Branch
1222 Spruce St.
St. Louis, Missouri 63103
314.331.8810

From: Todd Wheaton [mailto:T.Wheaton@gaiconsultants.com]
Sent: Monday, December 11, 2017 12:03 PM
To: Meyer, David P CIV USARMY CEMVS (US) <David.P.Meyer@usace.army.mil>
Cc: Ali Trunzo <A.Trunzo@gaiconsultants.com>; Robin Weissert <R.Weissert@gaiconsultants.com>
Subject: [EXTERNAL] Spire STL Pipeline (MVS-2016-582)

Good Afternoon David,

I wanted to check in to let you know we are finalizing the PCN addendum for the Spire STL pipeline and should have it headed your way shortly. We had a last minute change pop up due to some feedback from MoDOT and the route was adjusted near the US Route 67/State Route 367 interchange crossing. An additional access road was added to access the western side of Coldwater Creek, which is now proposed as open cut rather than HDD. This road is an existing gravel access lane visible on the aerial imagery, but unfortunately we have not received access to the property to survey this portion, and may not receive access until early 2018. I have included a screen shot for reference below. Due to the limited likelihood of impacting aquatic resources in this area (no desktop identified resource crossings), we had planned to submit the PCN addendum for your review prior to conducting the survey of this access road. Please let me know if you have any issue with beginning your review of the PCN prior to completing the survey in this area.

Thanks!
Todd



Todd C. Wheaton
Assistant Environmental Technical Leader
3720 Dressler Road NW, Canton, OH 44718
T 330.433.2680 D 234.203.0765 M 330.415.8364

Connect with GAI | [Facebook](#) | [LinkedIn](#) | [Twitter](#) | [YouTube](#) | [News & Insights](#)



**ENGINEERING,
PLANNING, AND
ENVIRONMENTAL
CONSULTING SINCE 1958**

GAI Consultants provides local expertise to worldwide clients in the energy, transportation, development, government, and industrial markets.

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

Ali Trunzo

From: Ferry, Lori M <lmferry@burnsmcd.com>
Sent: Monday, December 04, 2017 2:28 PM
To: Ali Trunzo
Subject: FW: Levee Letter

From: Douglas Sipe [mailto:dsipe@mdmcorp.com]
Sent: Monday, December 4, 2017 9:28 AM
To: Hunn, Matthew J MVS <Matthew.J.Hunn@usace.army.mil>
Cc: Ferry, Lori M <lmferry@burnsmcd.com>
Subject: Levee Letter

Happy Monday Matt...Wondering if the letter ever went out to the Levee District and checking to see what details I'm allowed to know. Thanks Matt...

Douglas A. Sipe

Partner

Mobile: 410-353-1140

Phone: 800-669-6361 x 102

Email: DSipe@MDMCorp.com
www.MDMCorp.com



A Service-Disabled Veteran-Owned Small Business

**Land
Inspection**

**Regulatory & Public Affairs
Environmental**

NOTICE: The information contained in this email and any document attached hereto is intended only for the named recipient(s), is confidential and may be subject to the attorney-client privilege. If you are not the intended recipient, or the employee or agent responsible for delivering this message in confidence to the intended recipient(s), you are hereby notified that you have received this transmittal in error, and any review, dissemination, distribution or copying of this transmittal or its attachments is strictly prohibited. If you have received this transmittal or the attachments in error, please notify the sender immediately by reply e-mail and then delete this message, including any attachments.

Ali Trunzo

Subject: FW: spire stl pipeline - usace admin fees
Attachments: usace to spire admin fee letter 01 dec 2017.pdf

-----Original Message-----

From: Kennedy, Timothy A CIV USARMY CEMVS (US) [mailto:Timothy.A.Kennedy@usace.army.mil]
Sent: Friday, December 1, 2017 2:53 PM
To: scott.jaskowiak@spireenergy.com
Cc: Doug Sipe (dsipe@mdmcorp.com) <dsipe@mdmcorp.com>; Ferry, Lori M <lmferry@burnsmcd.com>; david.younce@spireenergy.com; Wittenborn, Jaclyn C (Jacki) CIV USARMY CEMVS (US) <Jaclyn.C.Wittenborn@usace.army.mil>
Subject: spire stl pipeline - usace admin fees

Mr. Jaskowiak,

During our coordination with our Division office we were informed that the administrative fees the St. Louis District collected on behalf of Real Estate need to be collected under 10 USC 2695 instead of under 30 USC 408. At this time Spire is not required to pay any additional fees; this letter is to document our accounting of the existing fees. The letter will be part of the package forwarded to our Division office.

Please let me know if you have any questions. Thanks!

Tim Kennedy
US Army Corps of Engineers
1222 Spruce Street
St. Louis, MO 63103
Ph 314-331-8180
Fx 314-331-8740
timothy.a.kennedy@usace.army.mil

Ali Trunzo

From: Ferry, Lori M <lmferry@burnsmcd.com>
Sent: Thursday, November 30, 2017 2:46 PM
To: Allen, Teri C MVS
Cc: Ali Trunzo; Douglas Sipe
Subject: Spire STL Pipeline
Attachments: Spire_Project_Data_2017_11_30.zip

Hi Teri

As requested yesterday, I have attached the recent project shapefiles for the Spire STL Pipeline. These reflect any changes made to the project as of October 2017.

If you have any questions, please don't hesitate to contact me.

Thanks!

Lori

Lori Ferry \ Burns & McDonnell
Department Manager \ Environmental Services
o 630-724-3337 \ m 630-605-5255
lmferry@burnsmcd.com \ burnsmcd.com
1431 Opus Place Suite 400 \ Downers Grove, IL 60515



Indianapolis Office
6420 Castleway West Drive
Indianapolis, Indiana 46250

T 317.570.6800
F 317.570.6810

October 10, 2017

Project E160438.00

David Meyer
U.S. Army Corps of Engineers
St. Louis District
1222 Spruce Street
St. Louis, Missouri 63103-2833

**Re: Wetland Mitigation Plan
Spire STL Pipeline LLC
Spire STL Pipeline Project (MVS-2016-582)
Scott, Greene, and Jersey Counties, Illinois, and
St. Charles and St. Louis Counties, Missouri**

Dear Mr. Meyer:

On behalf of Spire STL Pipeline LLC ("Spire"), GAI Consultants, Inc. ("GAI") is submitting a Mitigation Plan ("Plan") for the Spire STL Pipeline Project ("Project"). GAI submitted an Addendum to the Pre-Construction Notification ("PCN") for your review on July 14, 2017, which included a revised list of impacts associated with the Project footprint. Minor design and route changes were made to further reduce and avoid impacts to aquatic resources. This Plan is intended to accompany the PCN and subsequent Addendums that were submitted to your office regarding the Project (MVS-2016-582).

Project Information

The Project is located in Scott, Greene, and Jersey Counties, Illinois, and St. Charles and St. Louis Counties, Missouri as shown on Figure 1.

The Project will consist of approximately 65 miles of new 24-inch-diameter steel pipeline in two segments. The first segment (referred to as the "24-inch pipeline" portion of the Project) will originate at a new interconnect with the Rockies Express Pipeline LLC ("REX") pipeline in Scott County, Illinois and extend approximately 59 miles through Greene and Jersey Counties in Illinois before crossing the Mississippi River and extending east through St. Charles County, Missouri. The 24-inch pipeline then crosses the Missouri River into St. Louis County, Missouri, and terminates at a new interconnect with Laclede Gas Company ("LGC"). The second segment of pipeline (referred to as the "North County Extension"), will consist of a new 24-inch-diameter steel pipeline which will extend approximately six miles from the LGC interconnect through the northern portion of St. Louis County and terminate at a new interconnect with Enable Mississippi River Transmission, LLC ("Enable MRT") and LGC. The total length of the Project pipeline will be approximately 65 miles. The Project also includes the construction of three new metering and regulating ("M&R") stations that provide interconnects with (1) REX in Illinois, (2) LGC in Missouri, and (3) Enable MRT and LGC in Missouri.

After significant avoidance and minimization measures the proposed alignment reduces stream and wetland impacts to the furthest extent practicable, while still meeting the Project's purpose and need. A total of six palustrine forested ("PFO") and one palustrine scrub-shrub ("PSS") wetlands will be permanently impacted during construction of the Project.

Mitigation Plan

Spire understands that the United States Army Corps of Engineers is requiring compensatory mitigation for palustrine forested and palustrine scrub-shrub wetlands. Pursuant to email and phone discussions with you on September 7, 2017, the total impacts requiring compensatory mitigation on the Project include 0.823 acres of wetland, of which 0.776 acres is palustrine forested and 0.047 acres is palustrine scrub-shrub. Mitigation ratios were increased by a factor of 1:1, as wetland bank credits were not available within the Project service area. This requires the replacement of PSS wetlands at a 3:1 ratio and PFO wetlands at a 4:1 ratio in both Illinois and Missouri.

The table below shows the resources per state with the proper determination of credits based on replacement ratios per our phone and email conversations referenced above:

Wetland	Type	Impact (acres)	Ratio	Required Credits
Illinois				
WIL-TMA-001	PFO	0.031	4:1	0.124
WIL-TMA-002	PFO	0.001	4:1	0.004
WIL-JJP-005	PFO	0.065	4:1	0.260
WIL-JJP-012	PFO	0.026	4:1	0.104
WIL-JJP-101A	PFO	0.069	4:1	0.276
WIL-JJP-148	PFO	0.368	4:1	1.472
WIL-JJP-015	PSS	0.047	3:1	0.141
Total		0.607		2.381
Missouri				
WMO-JJP-120	PFO	0.216	4:1	0.864
Total		0.216		0.864

Spire proposes to compensate for impacted resources in Illinois by purchasing the required credits from the Eberhardt Wetland Mitigation Bank. Spire has contacted the Eberhardt Wetland Mitigation Bank regarding available credits and is in the process of reserving 2.3 acres of wetland credits to compensate for the impacted resources in Illinois. Execution of the final purchase agreement between the Eberhardt Wetland Mitigation Bank and Spire will occur once wetland delineations are complete and final designs are available. Upon approval of the permit, the purchase agreement will be paid in full by Spire to the Eberhardt Wetland Mitigation Bank and a receipt of payment will be delivered to the USACE.

For impacts in Missouri, Spire has contacted the Rosedale Wetland Bank in regards to credit reservation, and has reserved 1 acre of credits for impacts associated with the Project. The Rosedale Wetland Bank is located outside the service area of impact, and was utilized based on the lack of available credits within the service area. Execution of the final purchase agreement between the Rosedale Wetland Bank and Spire will occur once wetland delineations are complete and final designs are available. Upon approval of the permit, the purchase agreement will be paid in full by Spire to the Rosedale Wetland Bank and a receipt of payment will be delivered to the USACE.

Closing

Spire has proposed a 65 mile Project that will require compensatory mitigation for 0.823 acres of wetland. Of the 0.823 acres, 0.776 acres are palustrine forested and 0.047 acres are palustrine scrub-shrub. The PSS wetlands are to be mitigated for at a minimum replacement ratio of 2:1, however as the impacts are located outside the impact service area the ratio will be increased to a rate of 3:1. The PFO wetlands will be mitigated at a 4:1 replacement ratio. Mitigation bank credits will be purchased from the Eberhardt Wetland mitigation Bank for impacts in the State of Illinois, and from the Rosedale Wetland Bank for Impacts in the State of Missouri.

All maintenance, performance standards, long-term protection management, adaptive management, and financial assurances associated with Spire’s mitigation plan are the responsibility of the approved Mitigation Banks utilized to offset impacts associated with the Project.

If you have any questions regarding this submission, please contact me at 330-415-8364 or via email at t.wheaton@gaiconsultants.com.

Sincerely,

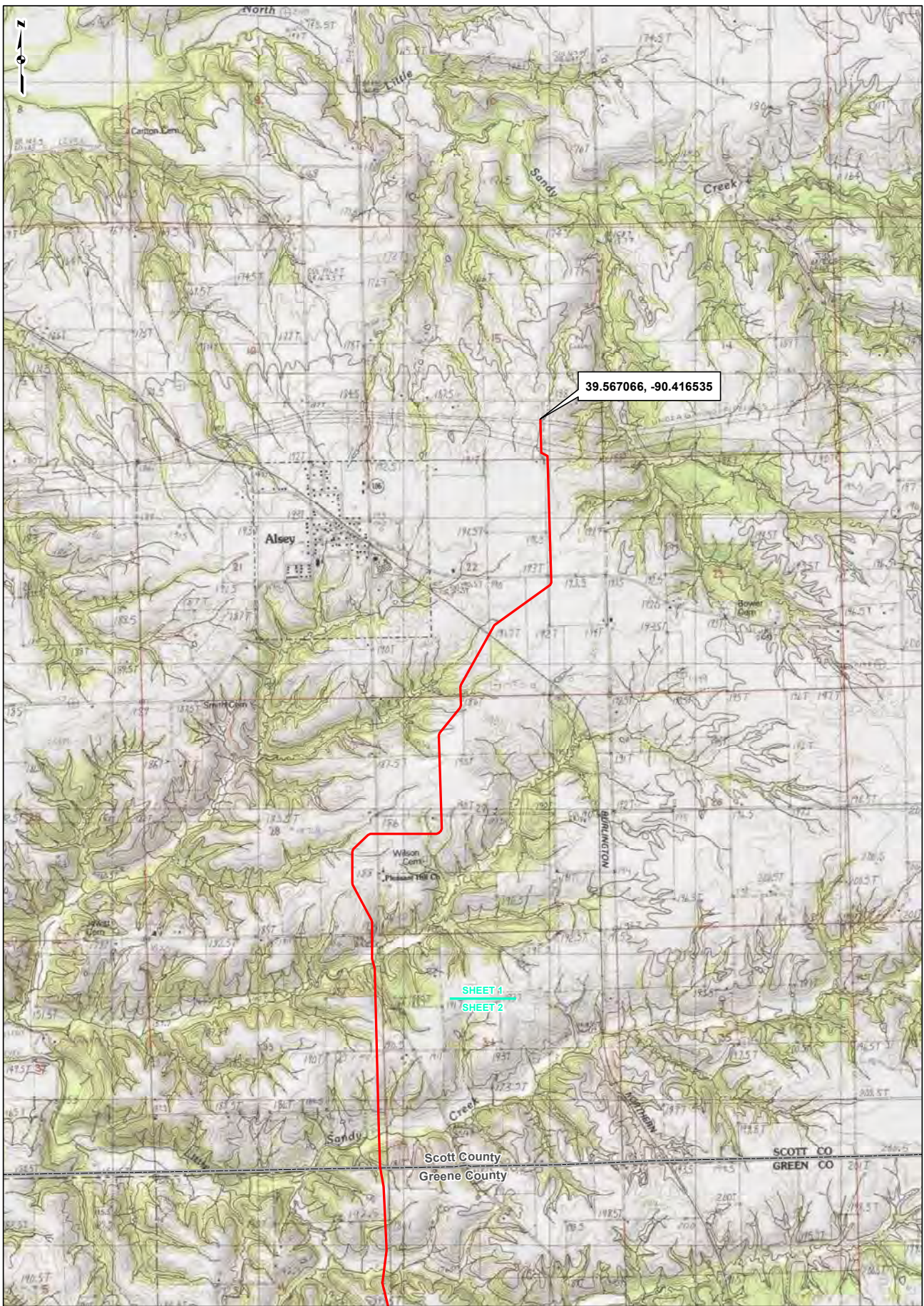
GAI Consultants, Inc.



Todd Wheaton
 Assistant Environmental Technical Leader

Attachments: Figure 1 – Project Location Map

FIGURE 1
PROJECT LOCATION MAP



39.567066, -90.416535

SHEET 1
SHEET 2

Scott County
Greene County

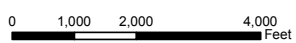
SCOTT CO
GREEN CO



REFERENCE: USGS 7.5 TOPOGRAPHIC QUADRANGLES: ALSEY (1983), ALTON (1984), BOYER CREEK (1983), CARROLLTON (1983), COLUMBIA BOTTOM (1999), ELSA (1995), FLORISSANT (1989), GRAFTON (1983), JERSEYVILLE NORTH (1983), JERSEYVILLE SOUTH (1983), OTTERVILLE (1983) AND ROODHOUSE WEST (1983), ILLINOIS AND MISSOURI, OBTAINED THROUGH ESRI USA TOPO MAPS, NATIONAL GEOGRAPHIC TOPO AND I-CUBED, ACCESSED 10/2017.

LEGEND

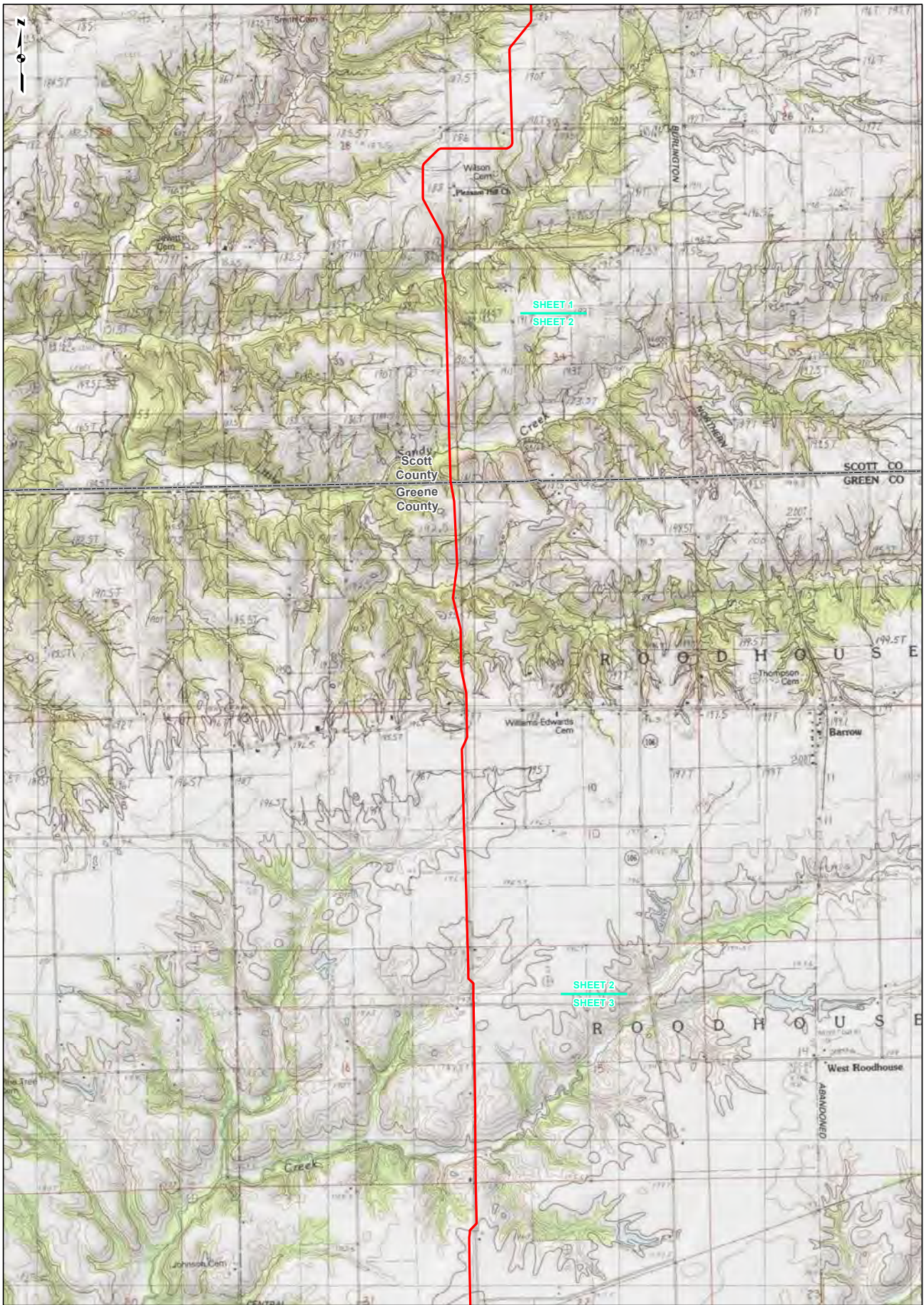
- 24-INCH PIPELINE
- NORTH COUNTY EXTENSION
- COUNTY BOUNDARY
- STATE BOUNDARY



PROJECT LOCATION MAP
SHEET 1 OF 21

SPIRE STL PIPELINE PROJECT

DRAWN BY: SWW DATE: 10/5/2017
CHECKED: EFJ APPROVED: TCW



REFERENCE: USGS 7.5' TOPOGRAPHIC QUADRANGLES: ALSEY (1983), ALTON (1984), BOYER CREEK (1983), CARROLLTON (1983), COLUMBIA BOTTOM (1999), ELSA (1995), FLOISSANT (1989), GRAFTON (1983), JERSEYVILLE NORTH (1983), JERSEYVILLE SOUTH (1983), OTTERVILLE (1983) AND ROODHOUSE WEST (1983), ILLINOIS AND MISSOURI, OBTAINED THROUGH ESRI USA TOPO MAPS, NATIONAL GEOGRAPHIC TOPO AND I-CUBED, ACCESSED 10/2017.

LEGEND

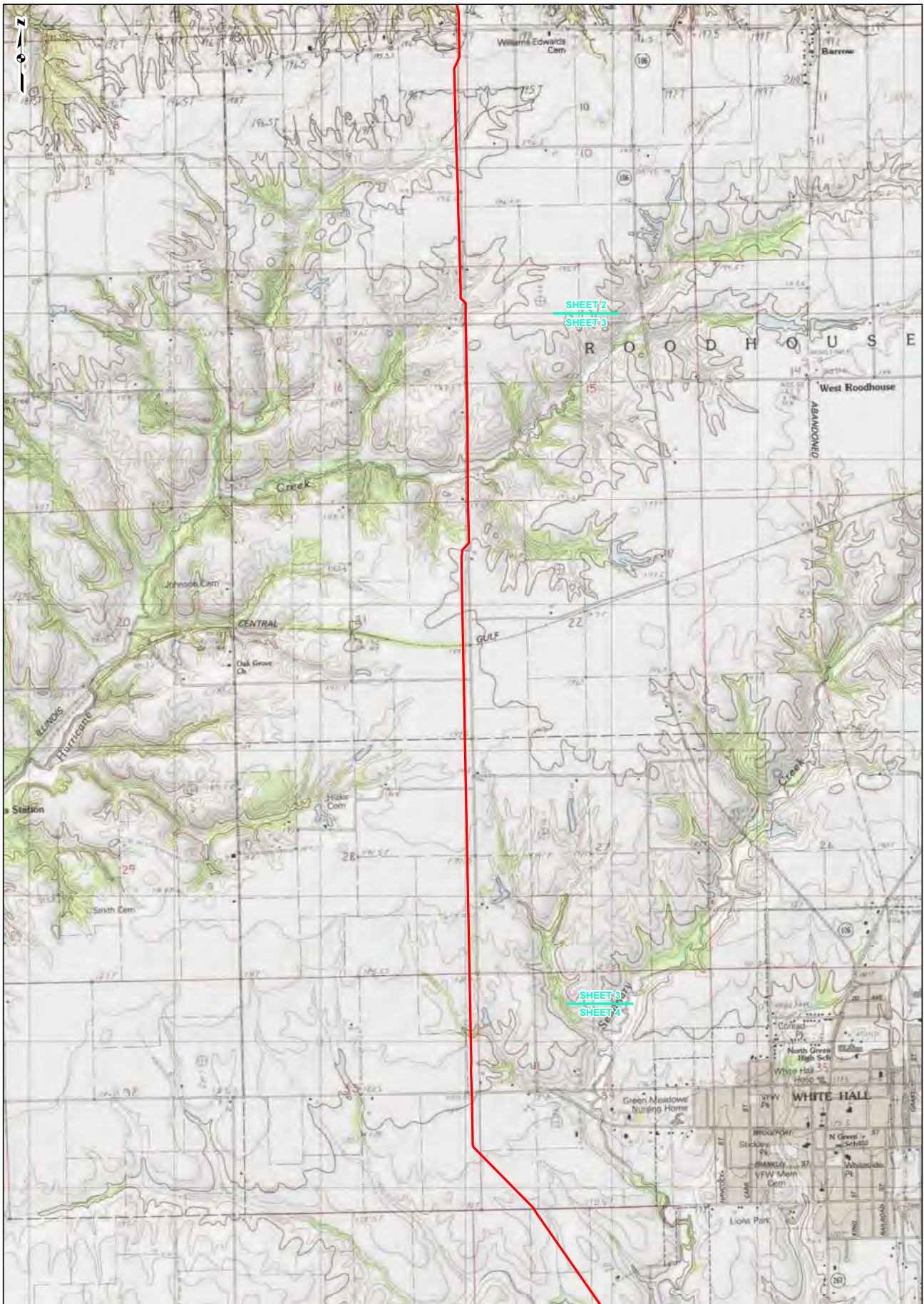
- 24-INCH PIPELINE
- NORTH COUNTY EXTENSION
- COUNTY BOUNDARY
- STATE BOUNDARY

0 1,000 2,000 4,000 Feet

PROJECT LOCATION MAP
SHEET 2 OF 21

SPIRE STL PIPELINE PROJECT

DRAWN BY: SWW DATE: 10/5/2017
 CHECKED: EFJ APPROVED: TCW



REFERENCE: USGS 7.5' TOPOGRAPHIC QUADRANGLES: ALSEY (1983), ALTON (1984), BOYER CREEK (1983), CARROLLTON (1983), COLUMBIA BOTTOM (1989), ELSAH (1995), FLOISSANT (1989), GRAFTON (1985), JERSEYVILLE NORTH (1983), JERSEYVILLE SOUTH (1983), OTTERVILLE (1983) AND ROODHOUSE WEST (1983), ILLINOIS AND MISSOURI, OBTAINED THROUGH ESRI USA TOPO MAPS, NATIONAL GEOGRAPHIC TOPO AND I-CUBED, ACCESSED 10/2017.

LEGEND

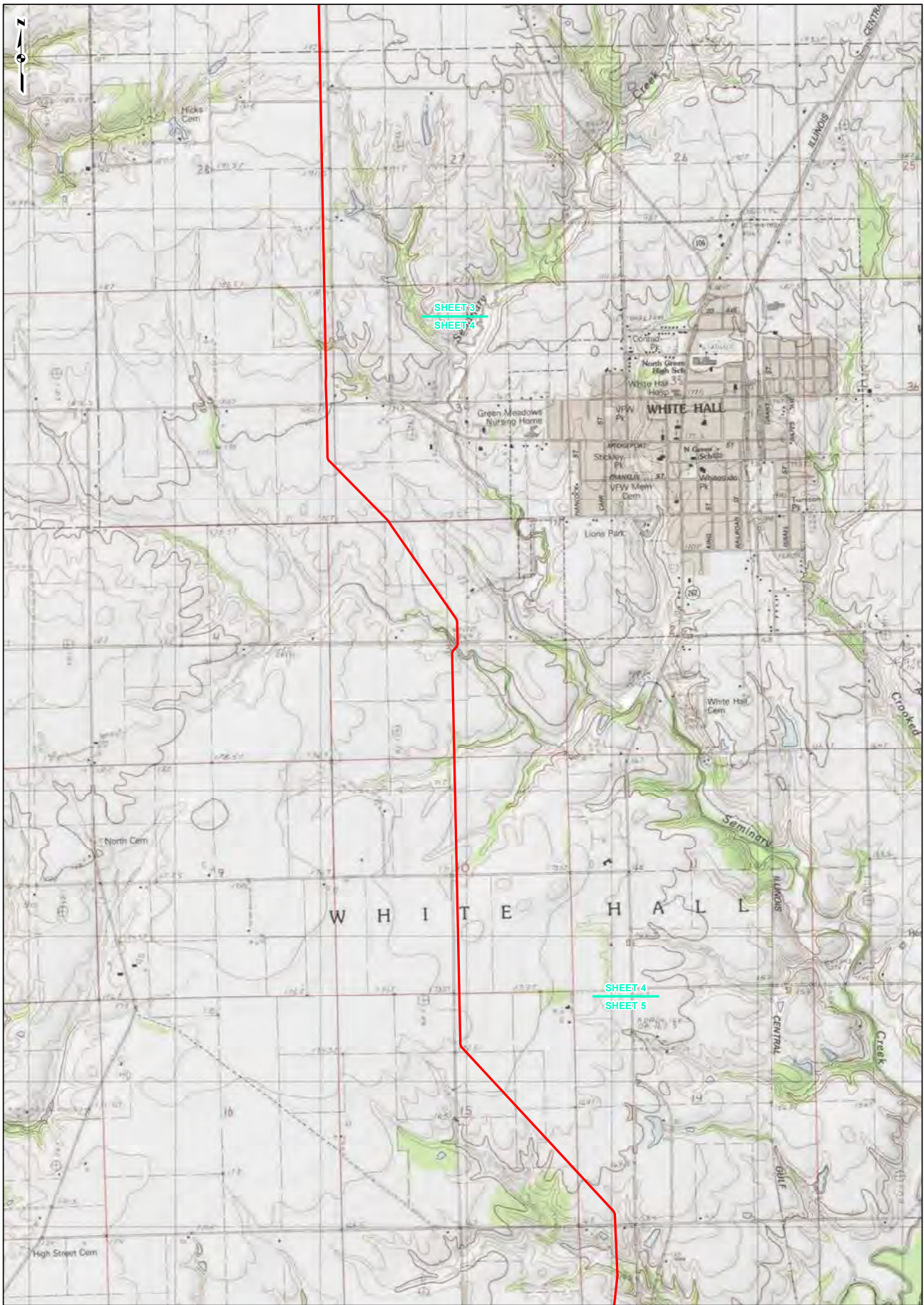
- 24-INCH PIPELINE
- NORTH COUNTY EXTENSION
- COUNTY BOUNDARY
- STATE BOUNDARY

0 1,000 2,000 4,000 Feet

PROJECT LOCATION MAP
SHEET 3 OF 21

SPIRE STL PIPELINE PROJECT

DRAWN BY: SWW DATE: 10/5/2017
 CHECKED: EFJ APPROVED: TCW



REFERENCE: USGS 7.5 TOPOGRAPHIC QUADRANGLES: ALSEY (1983), ALTON (1984), BOYER CREEK (1983), CARROLLTON (1983), COLUMBIA BOTTOM (1999), ELSA (1995), FLORISSANT (1989), GRAFTON (1985), JERSEYVILLE NORTH (1983), JERSEYVILLE SOUTH (1983), OTTERVILLE (1983) AND ROODHOUSE WEST (1983), ILLINOIS AND MISSOURI, OBTAINED THROUGH ESRI USA TOPO MAPS, NATIONAL GEOGRAPHIC TOPO AND I-CUBED, ACCESSED 10/20/17.

LEGEND

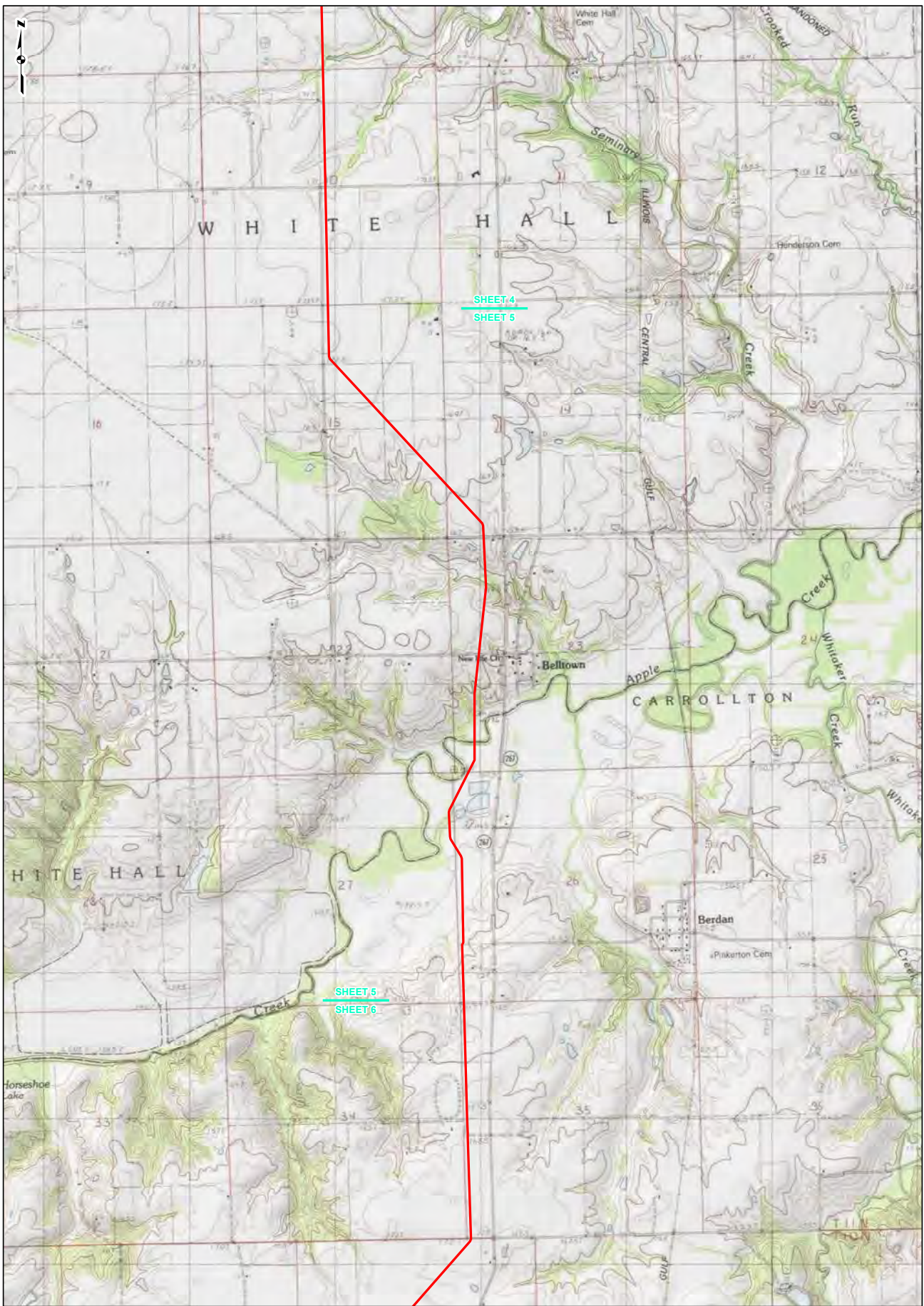
- 24-INCH PIPELINE
- NORTH COUNTY PIPELINE EXTENSION
- COUNTY BOUNDARY
- STATE BOUNDARY

0 1,000 2,000 4,000 Feet

PROJECT LOCATION MAP
SHEET 4 OF 21

SPIRE STL PIPELINE PROJECT

DRAWN BY: SWW DATE: 10/5/2017
CHECKED: EFJ APPROVED: TCW



SHEET 4
SHEET 5

SHEET 5
SHEET 6



REFERENCE: USGS 7.5' TOPOGRAPHIC QUADRANGLES: ELSEY (1983), ALTON (1984), BOYER CREEK (1983), CARROLLTON (1983), COLUMBIA BOTTOM (1999), ELSA (1995), FLORISSANT (1989), GRAFTON (1985), JERSEYVILLE NORTH (1983), JERSEYVILLE SOUTH (1983), OTTERVILLE (1983), AND ROODHOUSE WEST (1983), ILLINOIS AND MISSOURI, OBTAINED THROUGH ESRI USA TOPO MAPS, NATIONAL GEOGRAPHIC TOPO AND I-CUBED, ACCESSED 10/2017.

LEGEND

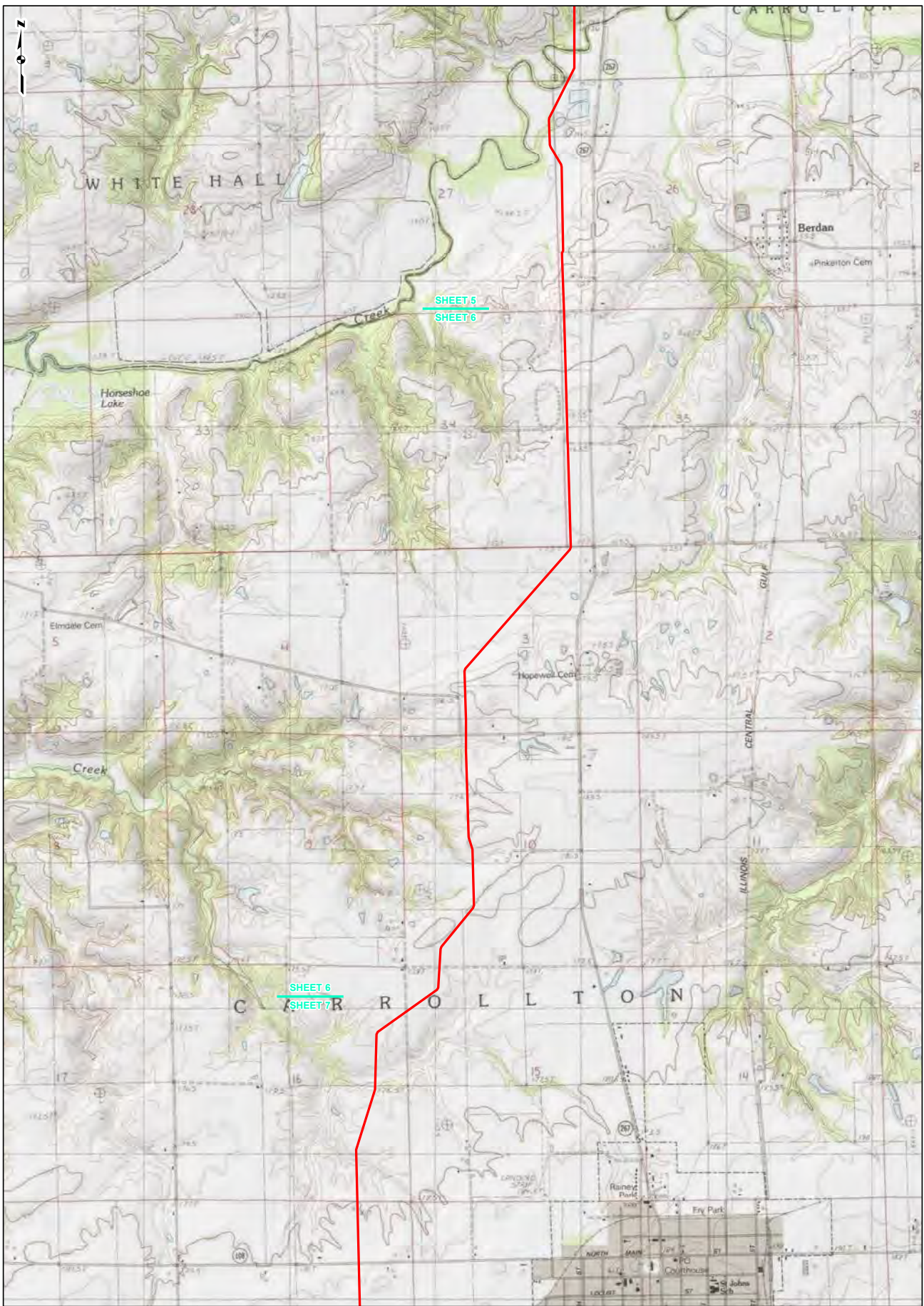
- 24-INCH PIPELINE
- NORTH COUNTY EXTENSION
- COUNTY BOUNDARY
- STATE BOUNDARY

0 1,000 2,000 4,000 Feet

PROJECT LOCATION MAP
SHEET 5 OF 21

SPIRE STL PIPELINE PROJECT

DRAWN BY: SWW DATE: 10/5/2017
CHECKED: EFJ APPROVED: TCW



REFERENCE: USGS 7.5' TOPOGRAPHIC QUADRANGLES: ALSEY (1983), ALTON (1994), BOYER CREEK (1983), CARROLLTON (1983), COLUMBIA BOTTOM (1999), ELSA (1995), FLORISSANT (1989), GRAFTON (1985), JERSEYVILLE NORTH (1983), JERSEYVILLE SOUTH (1983), OTTERVILLE (1983) AND ROODHOUSE WEST (1983), ILLINOIS AND MISSOURI, OBTAINED THROUGH ESRI USA TOPO MAPS, NATIONAL GEOGRAPHIC TOPO AND I-CUBED, ACCESSED 10/2017.

LEGEND

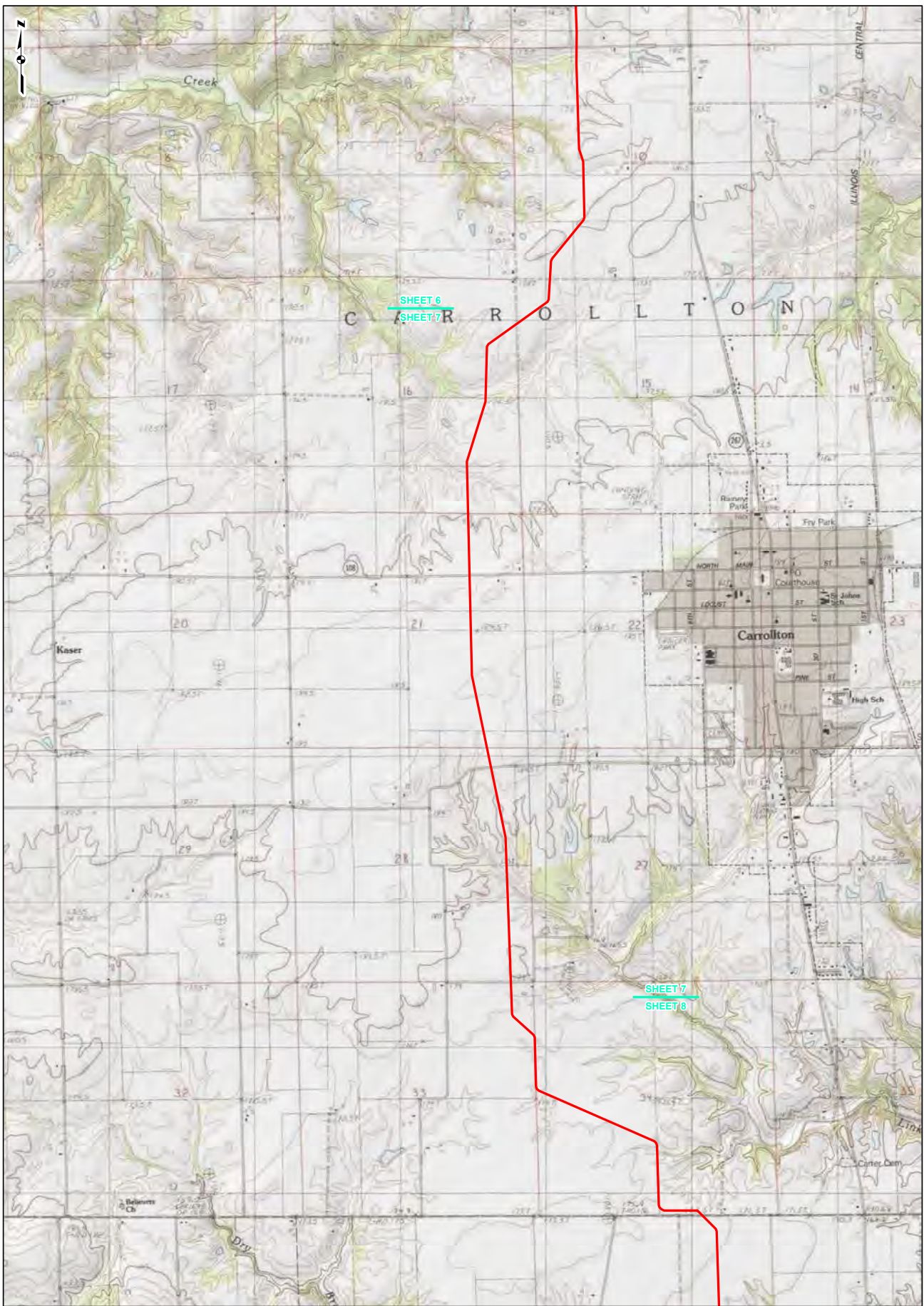
- 24-INCH PIPELINE
- NORTH COUNTY EXTENSION
- COUNTY BOUNDARY
- STATE BOUNDARY

0 1,000 2,000 4,000 Feet

PROJECT LOCATION MAP
SHEET 6 OF 21

SPIRE STL PIPELINE PROJECT

DRAWN BY: SWW DATE: 10/5/2017
 CHECKED: EFJ APPROVED: TCW



REFERENCE: USGS 7.5' TOPOGRAPHIC QUADRANGLES: ALSEY (1983), ALTON (1984), BOYER CREEK (1983), CARROLLTON (1983), COLUMBIA BOTTOM (1999), ELSA (1995), FLORISSANT (1988), GRAFTON (1985), JERSEYVILLE NORTH (1983), JERSEYVILLE SOUTH (1983), OTTERVILLE (1983) AND ROODHOUSE WEST (1983), ILLINOIS AND MISSOURI, OBTAINED THROUGH ESRI USA TOPO MAPS, NATIONAL GEOGRAPHIC TOPO AND I-CUBED, ACCESSED 10/2017.

LEGEND

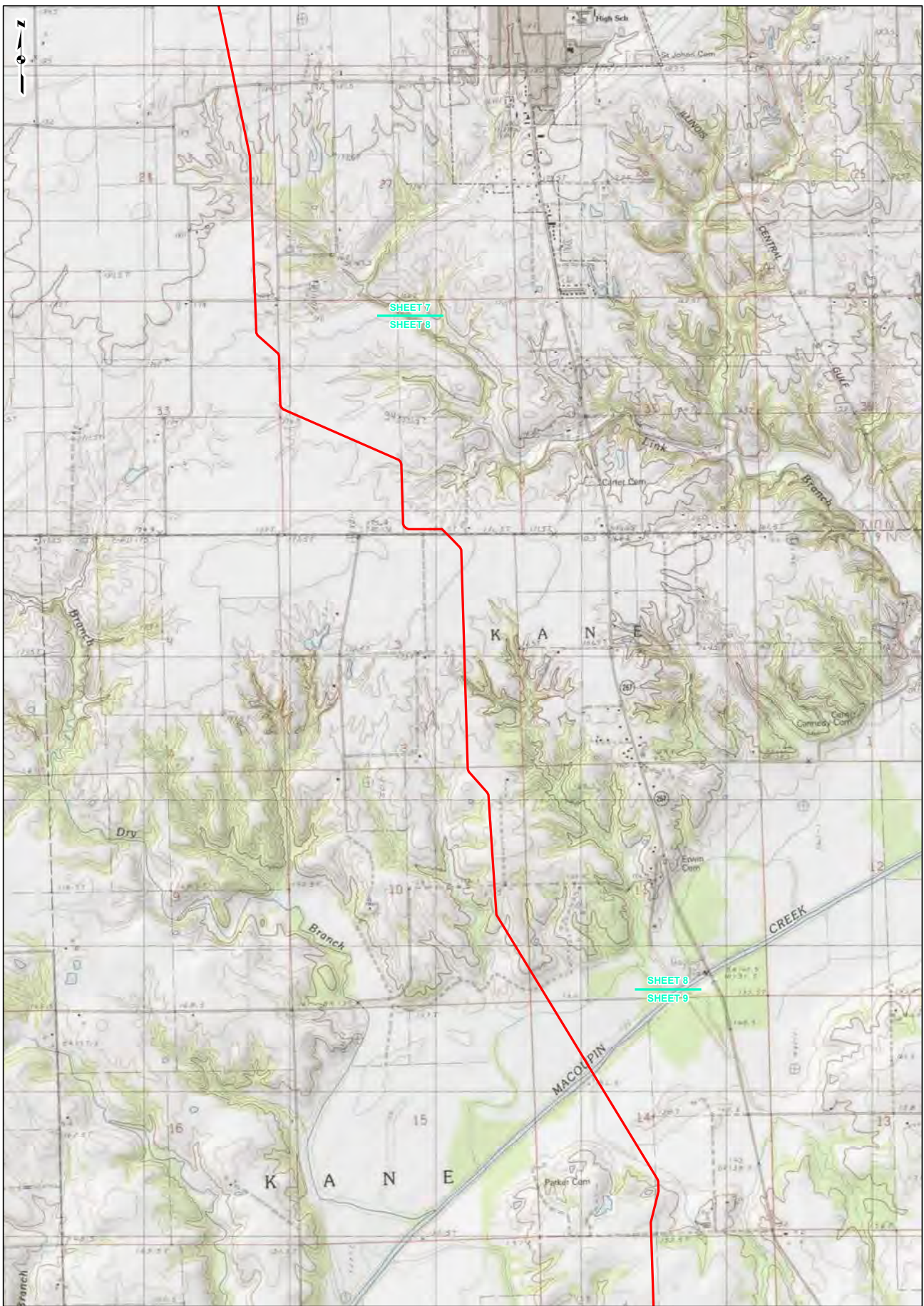
- 24-INCH PIPELINE
- NORTH COUNTY EXTENSION
- COUNTY BOUNDARY
- STATE BOUNDARY

0 1,000 2,000 4,000 Feet

PROJECT LOCATION MAP
SHEET 7 OF 21

SPIRE STL PIPELINE PROJECT

DRAWN BY: SWW DATE: 10/5/2017
 CHECKED: EFJ APPROVED: TCW



REFERENCE: USGS 7.5' TOPOGRAPHIC QUADRANGLES: ALSEY (1983), ALTON (1984), BOYER CREEK (1983), CARROLLTON (1983), COLUMBIA BOTTOM (1999), ELSAH (1995), FLORISSANT (1989), GRAFTON (1985), JERSEYVILLE NORTH (1983), JERSEYVILLE SOUTH (1983), OTTERVILLE (1983) AND ROODHOUSE WEST (1983), ILLINOIS AND MISSOURI, OBTAINED THROUGH ESRI USA TOPO MAPS, NATIONAL GEOGRAPHIC TOPO AND I-CUBED, ACCESSED 10/2017.

LEGEND

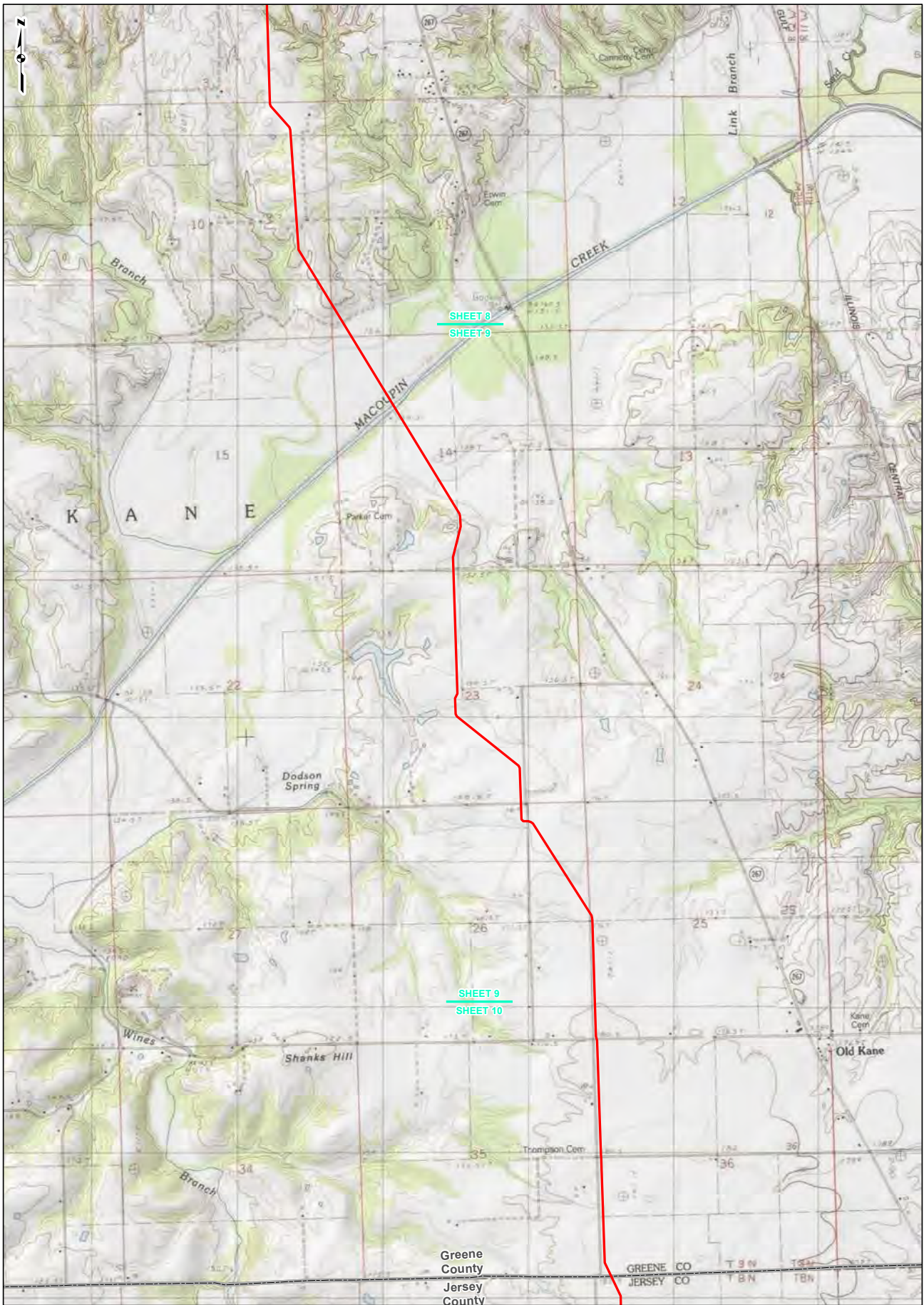
- 24-INCH PIPELINE
- NORTH COUNTY EXTENSION
- COUNTY BOUNDARY
- STATE BOUNDARY

0 1,000 2,000 4,000 Feet

PROJECT LOCATION MAP
SHEET 8 OF 21

SPIRE STL PIPELINE PROJECT

DRAWN BY: SWW DATE: 10/5/2017
 CHECKED: EFJ APPROVED: TCW



SHEET 8
SHEET 9

SHEET 9
SHEET 10



REFERENCE: USGS 7.5 TOPOGRAPHIC QUADRANGLES: ALSEY (1983), ALTON (1984), BOYER CREEK (1983), CARROLLTON (1983), COLUMBIA BOTTOM (1999), ELSA (1995), FLORISSANT (1989), GRAFTON (1985), JERSEYVILLE NORTH (1983), JERSEYVILLE SOUTH (1983), OTTERVILLE (1983) AND ROODHOUSE WEST (1983), ILLINOIS AND MISSOURI, OBTAINED THROUGH ESRI USA TOPO MAPS, NATIONAL GEOGRAPHIC TOPO AND I-CUBED, ACCESSED 10/2017.

LEGEND

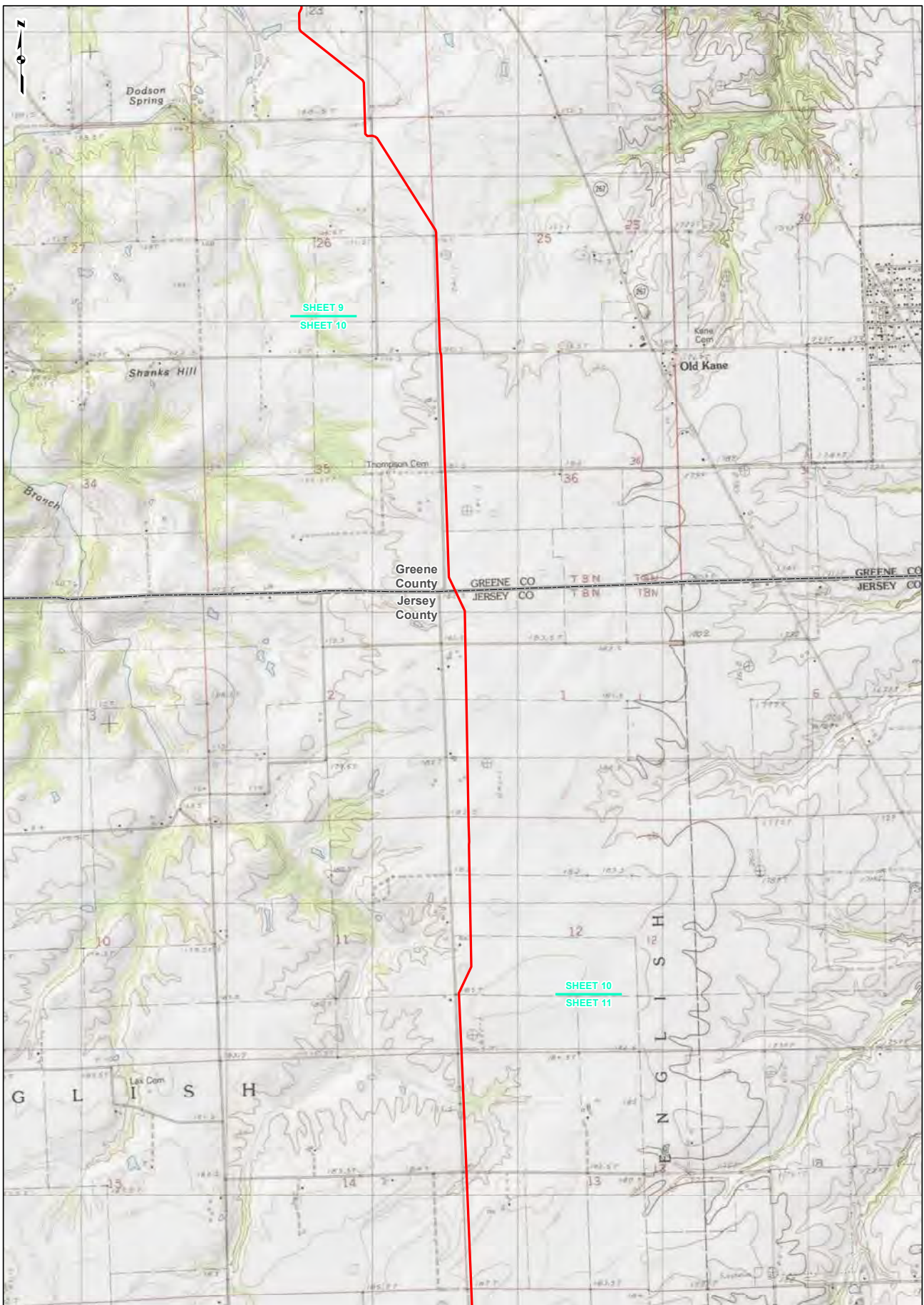
- 24-INCH PIPELINE
- NORTH COUNTY EXTENSION
- COUNTY BOUNDARY
- STATE BOUNDARY

0 1,000 2,000 4,000 Feet

PROJECT LOCATION MAP
SHEET 9 OF 21

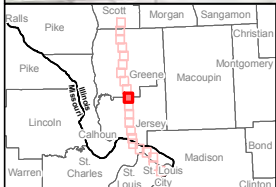
SPIRE STL PIPELINE PROJECT

DRAWN BY: SWW DATE: 10/5/2017
CHECKED: EFJ APPROVED: TCW



SHEET 9
SHEET 10

SHEET 10
SHEET 11



REFERENCE: USGS 7.5 TOPOGRAPHIC QUADRANGLES: ALSEY (1983), ALTON (1984), BOYER CREEK (1983), CARROLLTON (1983), COLUMBIA BOTTOM (1999), ELSA (1995), FLORISSANT (1989), GRAFTON (1985), JERSEYVILLE NORTH (1983), JERSEYVILLE SOUTH (1983), OTTERVILLE (1983) AND ROODHOUSE WEST (1983), ILLINOIS AND MISSOURI, OBTAINED THROUGH ESRI USA TOPO MAPS, NATIONAL GEOGRAPHIC TOPO AND I-CUBED, ACCESSED 10/2017.

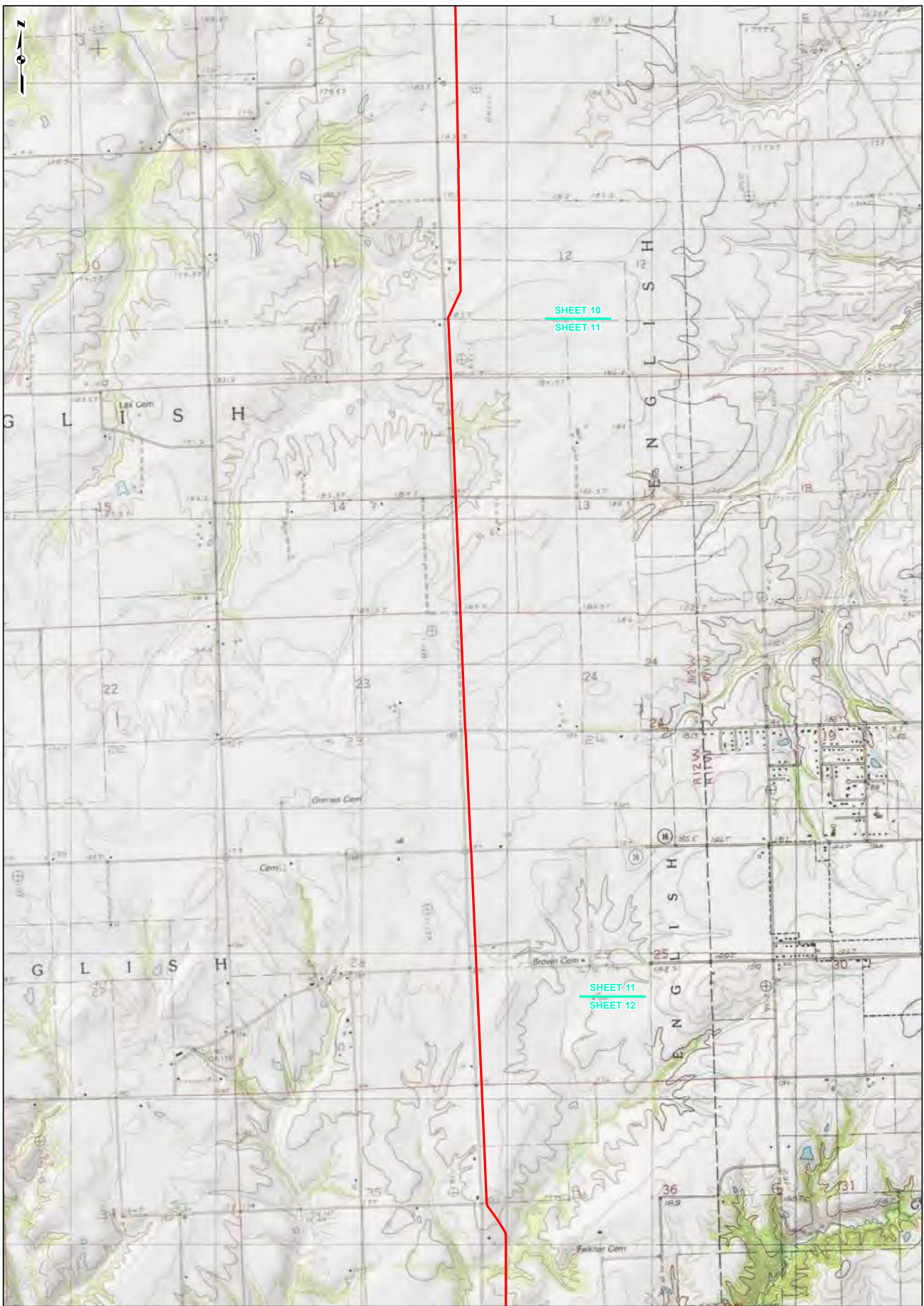
LEGEND

- 24-INCH PIPELINE
- NORTH COUNTY EXTENSION
- COUNTY BOUNDARY
- STATE BOUNDARY

PROJECT LOCATION MAP
SHEET 10 OF 21

SPIRE STL PIPELINE PROJECT

DRAWN BY: SWW DATE: 10/5/2017
CHECKED: EFJ APPROVED: TCW



REFERENCE: USGS 7.5 TOPOGRAPHIC QUADRANGLES: ELSEY (1983), ALTON (1994), BOYER CREEK (1983), CARROLLTON (1983), COLUMBIA BOTTOM (1999), ELSAH (1995), FLORISSANT (1989), GRAFTON (1985), JERSEYVILLE NORTH (1983), JERSEYVILLE SOUTH (1983), OTTERVILLE (1983) AND ROODHOUSE WEST (1983), ILLINOIS AND MISSOURI, OBTAINED THROUGH ESRI USA TOPO MAPS, NATIONAL GEOGRAPHIC TOPO AND I-CUBED, ACCESSED 10/2017.

LEGEND

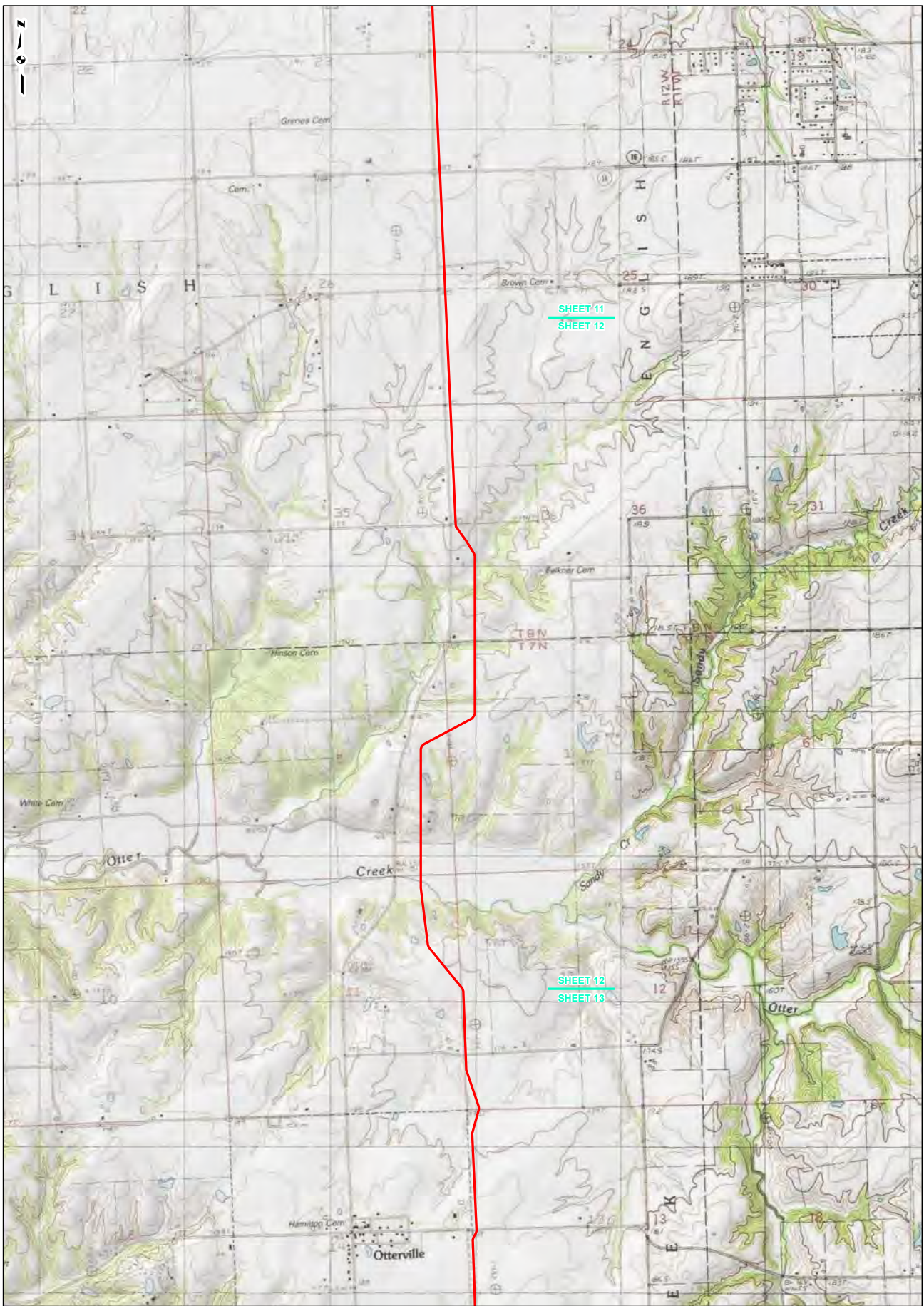
- 24-INCH PIPELINE
- NORTH COUNTY EXTENSION
- COUNTY BOUNDARY
- STATE BOUNDARY

0 1,000 2,000 4,000 Feet

PROJECT LOCATION MAP
SHEET 11 OF 21

SPIRE STL PIPELINE PROJECT

DRAWN BY: SWW DATE: 10/5/2017
 CHECKED: EFJ APPROVED: TCW



REFERENCE: USGS 7.5' TOPOGRAPHIC QUADRANGLES: ALSEY (1983), ALTON (1984), BOYER CREEK (1983), CARROLLTON (1983), COLUMBIA BOTTOM (1999), ELSA (1995), FLORISSANT (1989), GRAFTON (1985), JERSEYVILLE NORTH (1983), JERSEYVILLE SOUTH (1983), OTTERVILLE (1983) AND ROODHOUSE WEST (1983), ILLINOIS AND MISSOURI, OBTAINED THROUGH ESRI USA TOPO MAPS, NATIONAL GEOGRAPHIC TOPO AND I-CUBED, ACCESSED 10/2017.

LEGEND

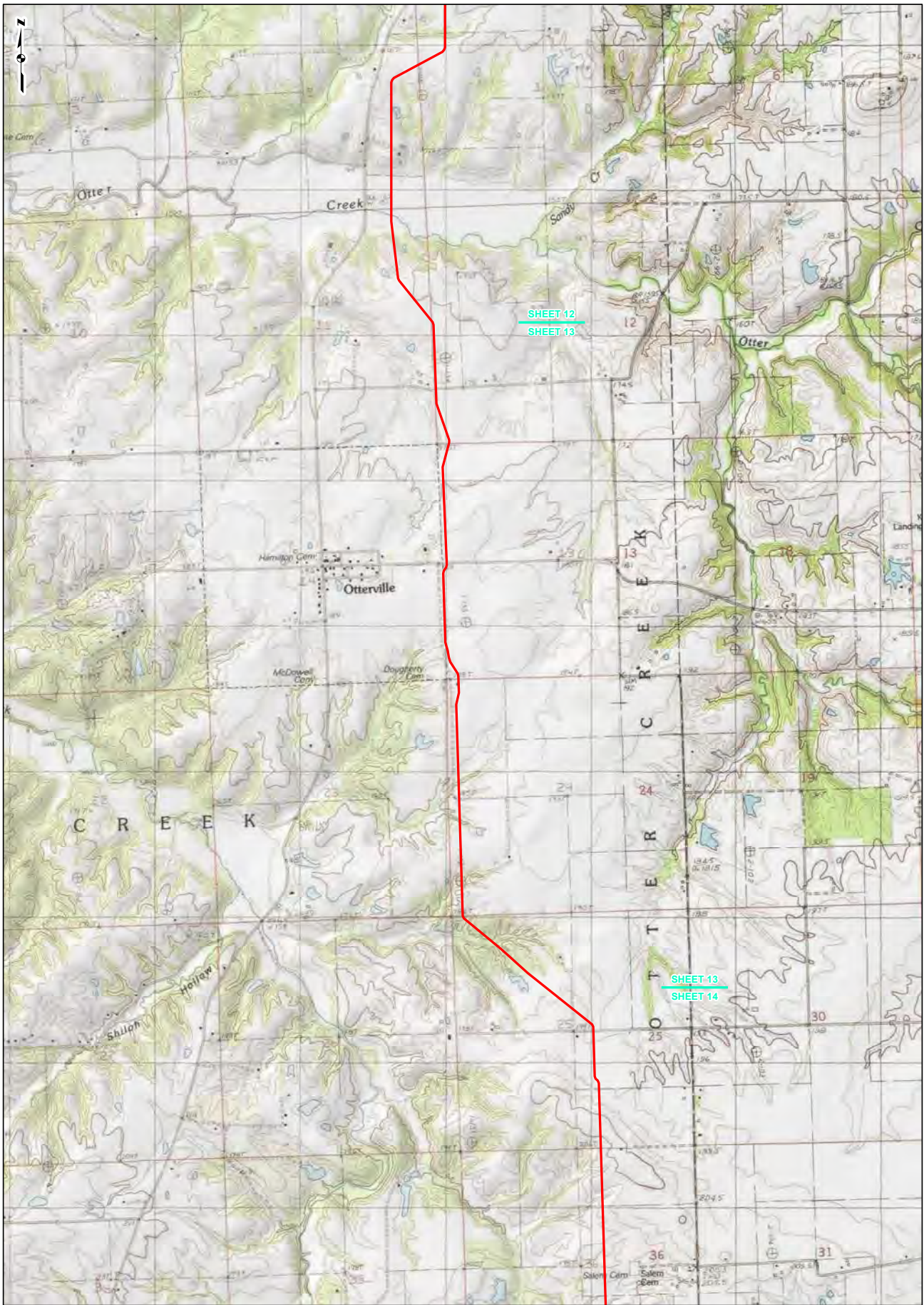
- 24-INCH PIPELINE
- NORTH COUNTY EXTENSION
- COUNTY BOUNDARY
- STATE BOUNDARY

0 1,000 2,000 4,000 Feet

PROJECT LOCATION MAP
SHEET 12 OF 21

SPIRE STL PIPELINE PROJECT

DRAWN BY: SWW DATE: 10/5/2017
 CHECKED: EFJ APPROVED: TCW



REFERENCE: USGS 7.5 TOPOGRAPHIC QUADRANGLES: ALSEY (1983), ALTON (1984), BOYER CREEK (1983), CARROLLTON (1983), COLUMBIA BOTTOM (1999), ELSA (1995), FLOISSANT (1989), GRAFTON (1985), JERSEYVILLE NORTH (1983), JERSEYVILLE SOUTH (1983), OTTERVILLE (1983) AND ROODHOUSE WEST (1983), ILLINOIS AND MISSOURI, OBTAINED THROUGH ESRI USA TOPO MAPS, NATIONAL GEOGRAPHIC TOPO AND I-CUBED, ACCESSED 10/2017.

LEGEND

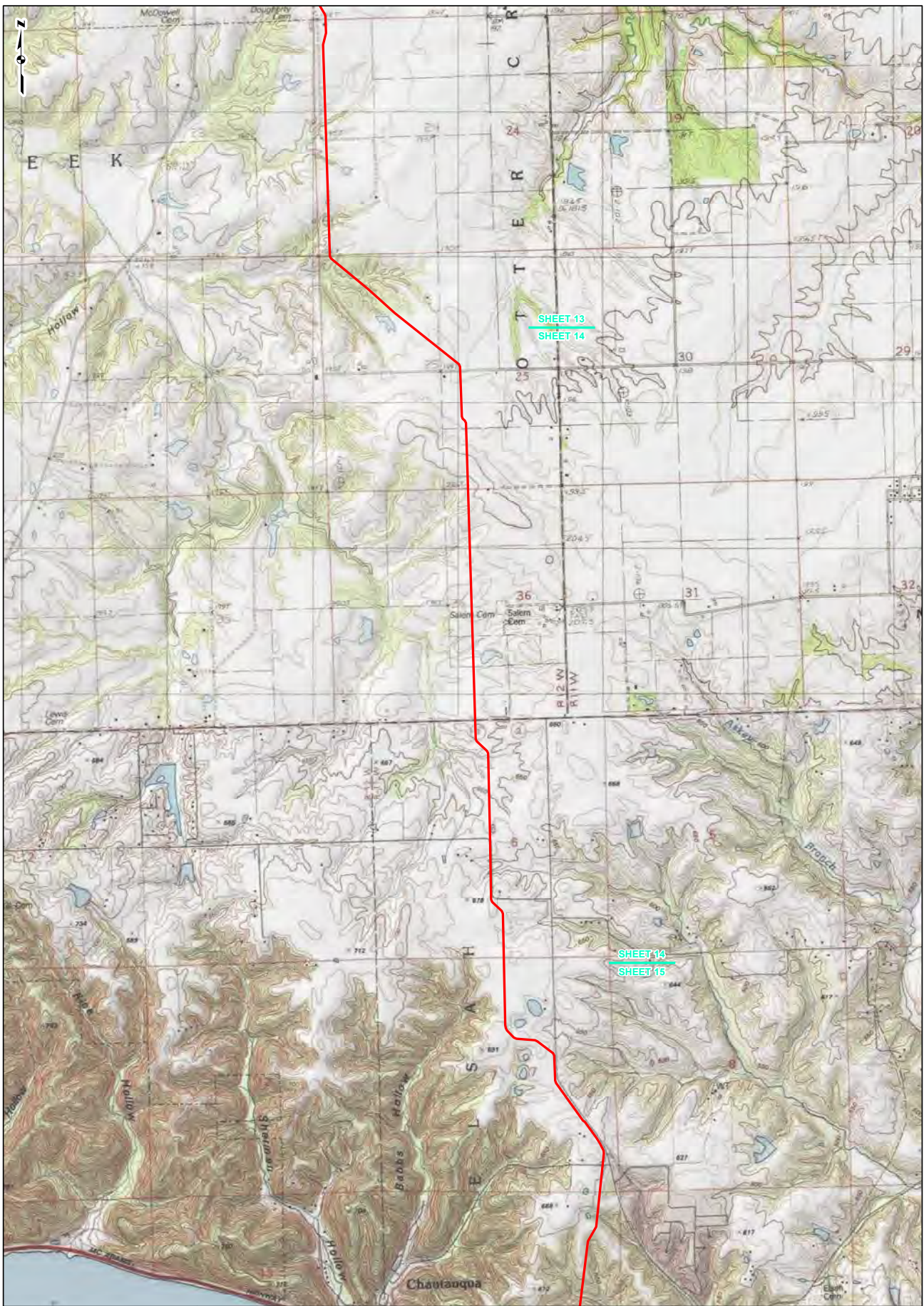
- 24-INCH PIPELINE
- NORTH COUNTY EXTENSION
- COUNTY BOUNDARY
- STATE BOUNDARY

0 1,000 2,000 4,000 Feet

PROJECT LOCATION MAP
SHEET 13 OF 21

SPIRE STL PIPELINE PROJECT

DRAWN BY: SWW DATE: 10/5/2017
 CHECKED: EFJ APPROVED: TCW



REFERENCE: USGS 7.5' TOPOGRAPHIC QUADRANGLES: ALSEY (1983), ALTON (1984), BOYER CREEK (1983), CARROLLTON (1983), COLUMBIA BOTTOM (1999), ELSA (1995), FLORISSANT (1989), GRAFTON (1983), JERSEYVILLE NORTH (1983), JERSEYVILLE SOUTH (1983), OTTERVILLE (1983), and ROODHOUSE WEST (1983), ILLINOIS AND MISSOURI, OBTAINED THROUGH ESRI USA TOPO MAPS, NATIONAL GEOGRAPHIC TOPO AND I-CUBED, ACCESSED 10/2017.

LEGEND

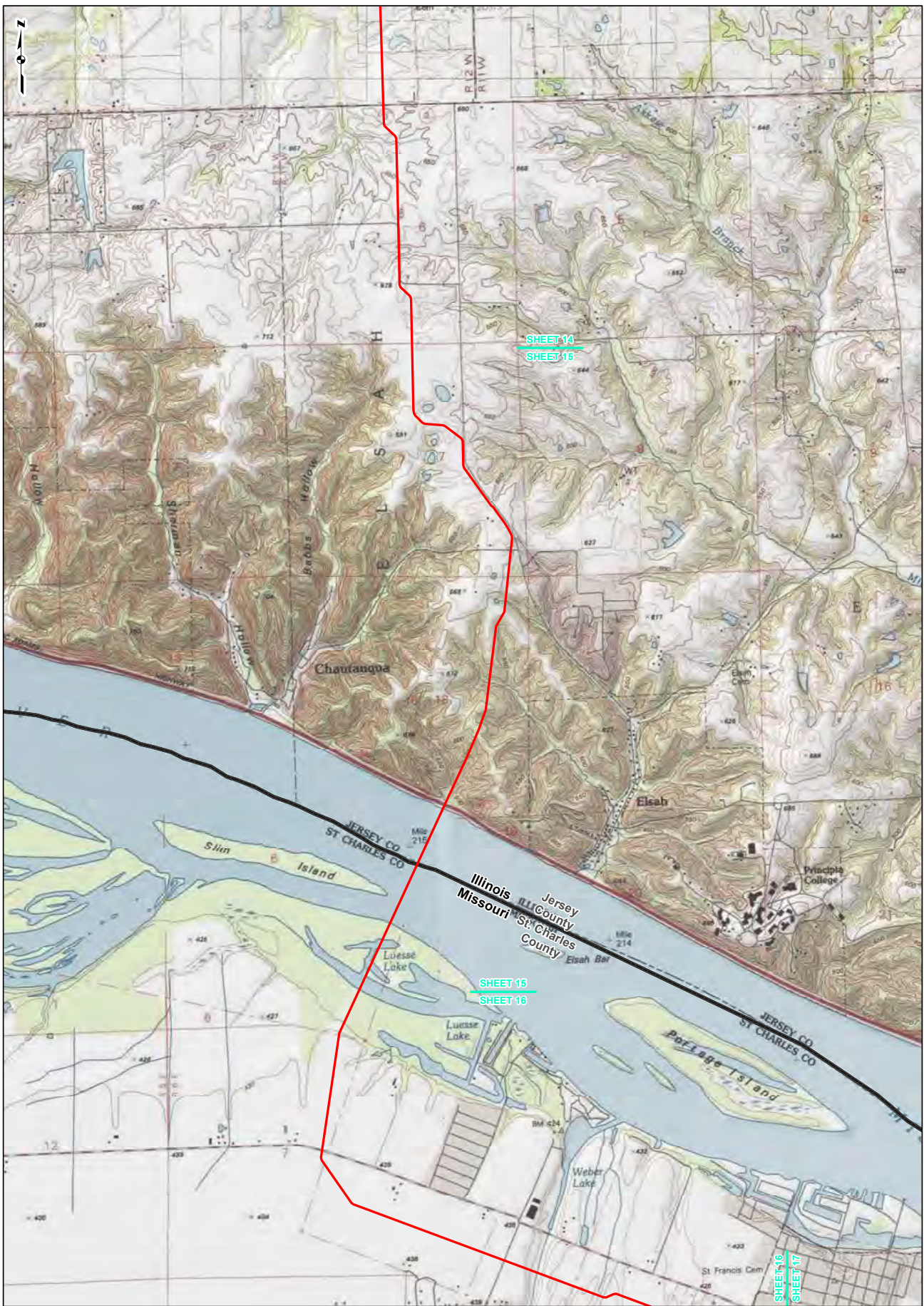
- 24-INCH PIPELINE
- NORTH COUNTY EXTENSION
- COUNTY BOUNDARY
- STATE BOUNDARY

0 1,000 2,000 4,000 Feet

PROJECT LOCATION MAP
SHEET 14 OF 21

SPIRE STL PIPELINE PROJECT

DRAWN BY: SWW DATE: 10/5/2017
 CHECKED: EFJ APPROVED: TCW



REFERENCE: USGS 7.5' TOPOGRAPHIC QUADRANGLES: ALSEY (1983), ALTON (1984), BOYER CREEK (1983), CARROLLTON (1983), COLUMBIA BOTTOM (1999), ELSAH (1995), FLOISSANT (1989), GRAFTON (1985), JERSEYVILLE NORTH (1983), JERSEYVILLE SOUTH (1983), OTTERVILLE (1983) AND ROODHOUSE WEST (1983), ILLINOIS AND MISSOURI, OBTAINED THROUGH ESRI USA TOPO MAPS, NATIONAL GEOGRAPHIC TOPO AND I-CUBED, ACCESSED 10/2017.

LEGEND

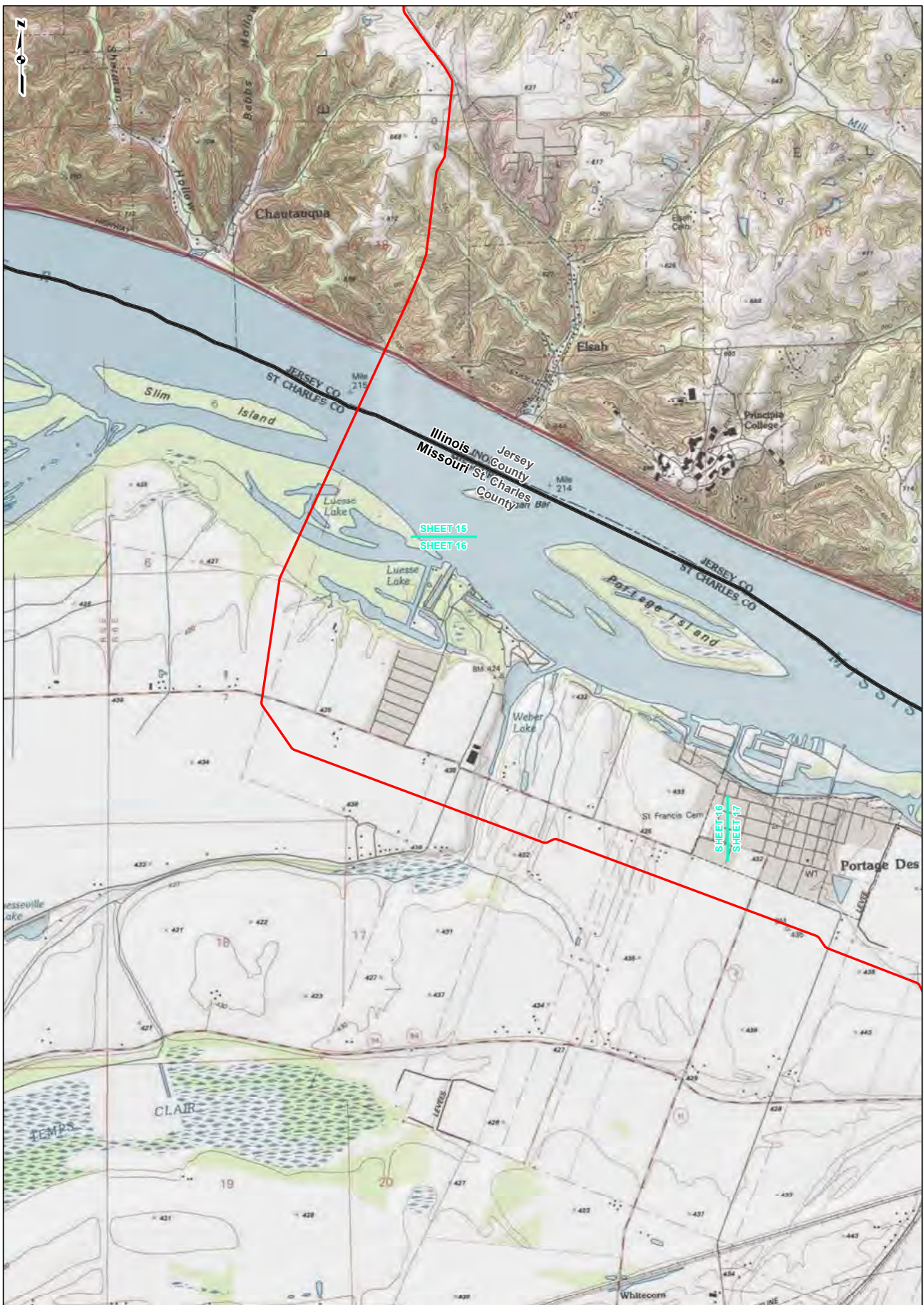
- 24-INCH PIPELINE
- NORTH COUNTY EXTENSION
- COUNTY BOUNDARY
- STATE BOUNDARY

0 1,000 2,000 4,000 Feet

PROJECT LOCATION MAP
SHEET 15 OF 21

SPIRE STL PIPELINE PROJECT

DRAWN BY: SWW DATE: 10/5/2017
 CHECKED: EFJ APPROVED: TCW



REFERENCE: USGS 7.5' TOPOGRAPHIC QUADRANGLES: ALSEY (1983), ALTON (1984), BOYER CREEK (1983), CARROLLTON (1983), COLUMBIA BOTTOM (1989), ELSAH (1995), FLOISSANT (1989), GRAFTON (1985), JERSEYVILLE NORTH (1983), JERSEYVILLE SOUTH (1983), OTTERVILLE (1983) AND ROODHOUSE WEST (1983), ILLINOIS AND MISSOURI, OBTAINED THROUGH ESRI USA TOPO MAPS, NATIONAL GEOGRAPHIC TOPO AND I-CUBED, ACCESSED 10/2017.

LEGEND

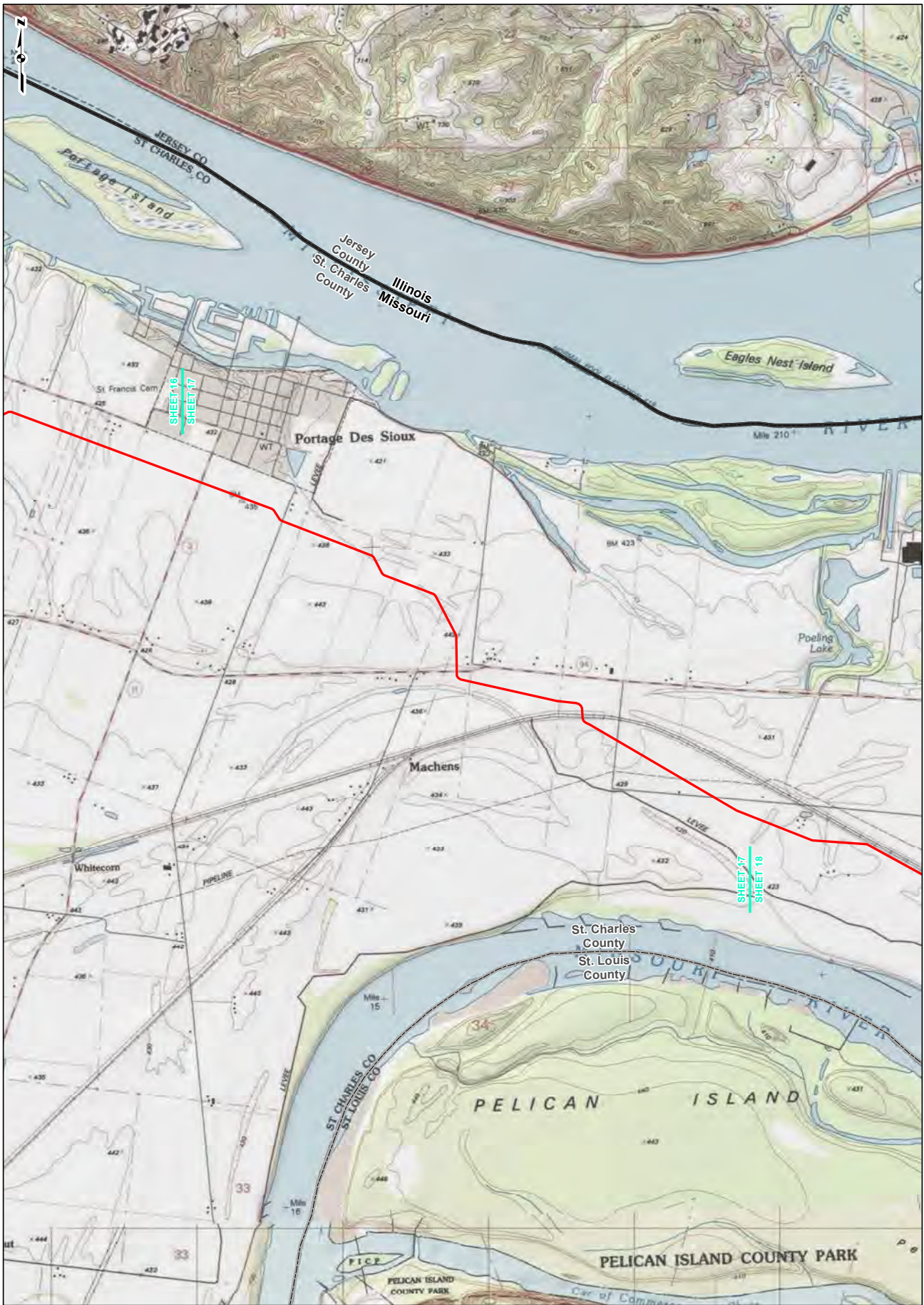
- 24-INCH PIPELINE
- NORTH COUNTY EXTENSION
- COUNTY BOUNDARY
- STATE BOUNDARY

0 1,000 2,000 4,000 Feet

PROJECT LOCATION MAP
SHEET 16 OF 21

SPIRE STL PIPELINE PROJECT

DRAWN BY: SWW DATE: 10/5/2017
 CHECKED: EFJ APPROVED: TCW



REFERENCE: USGS 7.5 TOPOGRAPHIC QUADRANGLES: ALSEY (1983), ALTON (1984), BOYER CREEK (1983), CARROLLTON (1983), COLUMBIA BOTTOM (1999), ELSAH (1995), FLOISSANT (1989), GRAFTON (1985), JERSEYVILLE NORTH (1983), JERSEYVILLE SOUTH (1983), OTTERVILLE (1983) AND ROODHOUSE WEST (1983), ILLINOIS AND MISSOURI, OBTAINED THROUGH ESRI USA TOPO MAPS, NATIONAL GEOGRAPHIC TOPO AND I-CUBED, ACCESSED 10/2017.

LEGEND

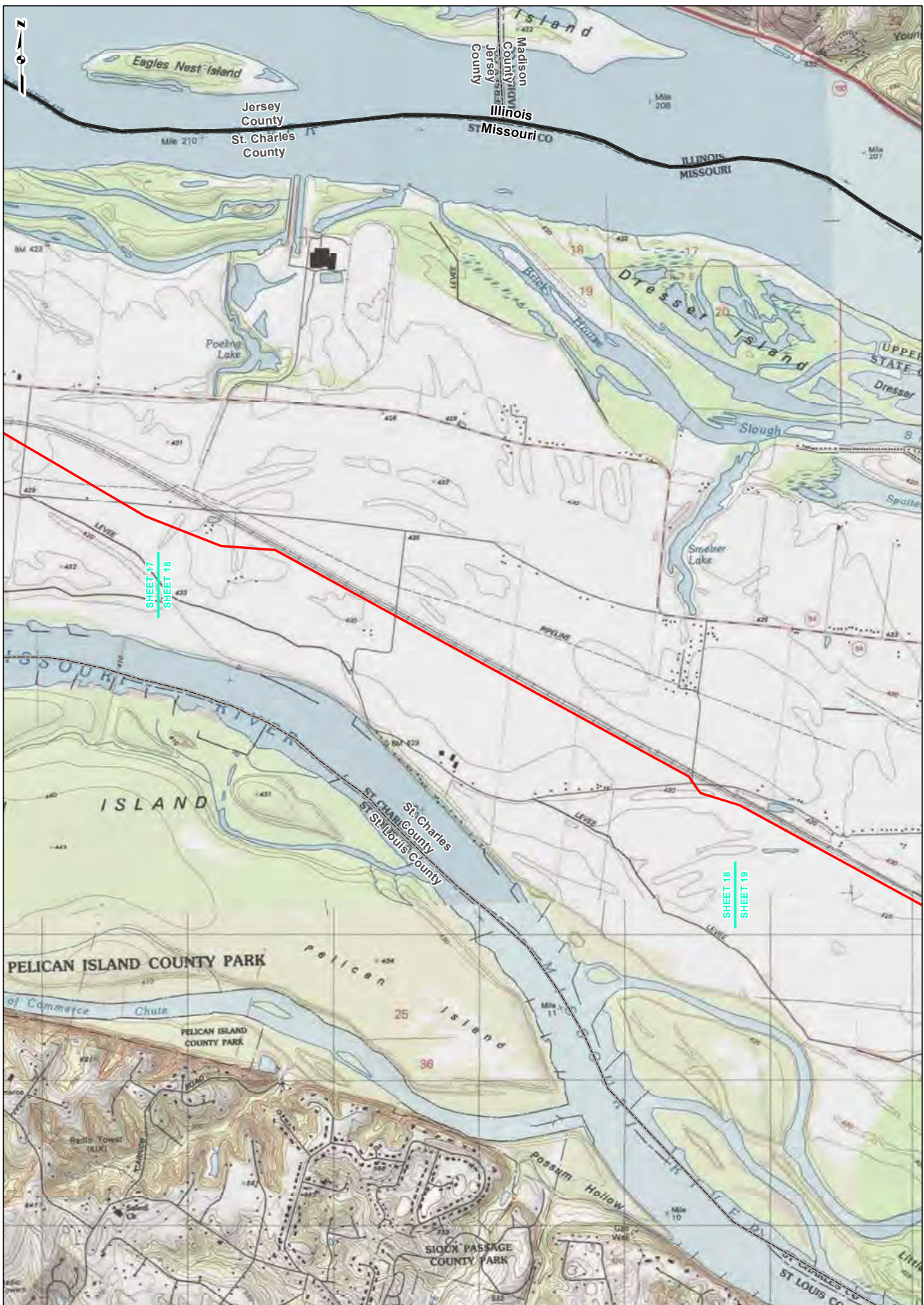
- 24-INCH PIPELINE
- NORTH COUNTY EXTENSION
- COUNTY BOUNDARY
- STATE BOUNDARY

0 1,000 2,000 4,000 Feet

PROJECT LOCATION MAP
SHEET 17 OF 21

SPIRE STL PIPELINE PROJECT

DRAWN BY: SWW DATE: 10/5/2017
 CHECKED: EFJ APPROVED: TCW



REFERENCE: USGS 7.5' TOPOGRAPHIC QUADRANGLES: ALSEY (1983), ALTON (1984), BOYER CREEK (1983), CARROLLTON (1983), COLUMBIA BOTTOM (1999), ELSA (1995), FLORISSANT (1989), GRAFTON (1985), JERSEYVILLE NORTH (1983), JERSEYVILLE SOUTH (1983), OTTENVILLE (1983) AND ROODHOUSE WEST (1983), ILLINOIS AND MISSOURI, OBTAINED THROUGH ESRI USA TOPO MAPS, NATIONAL GEOGRAPHIC TOPO AND I-CUBED, ACCESSED 10/2017.

LEGEND

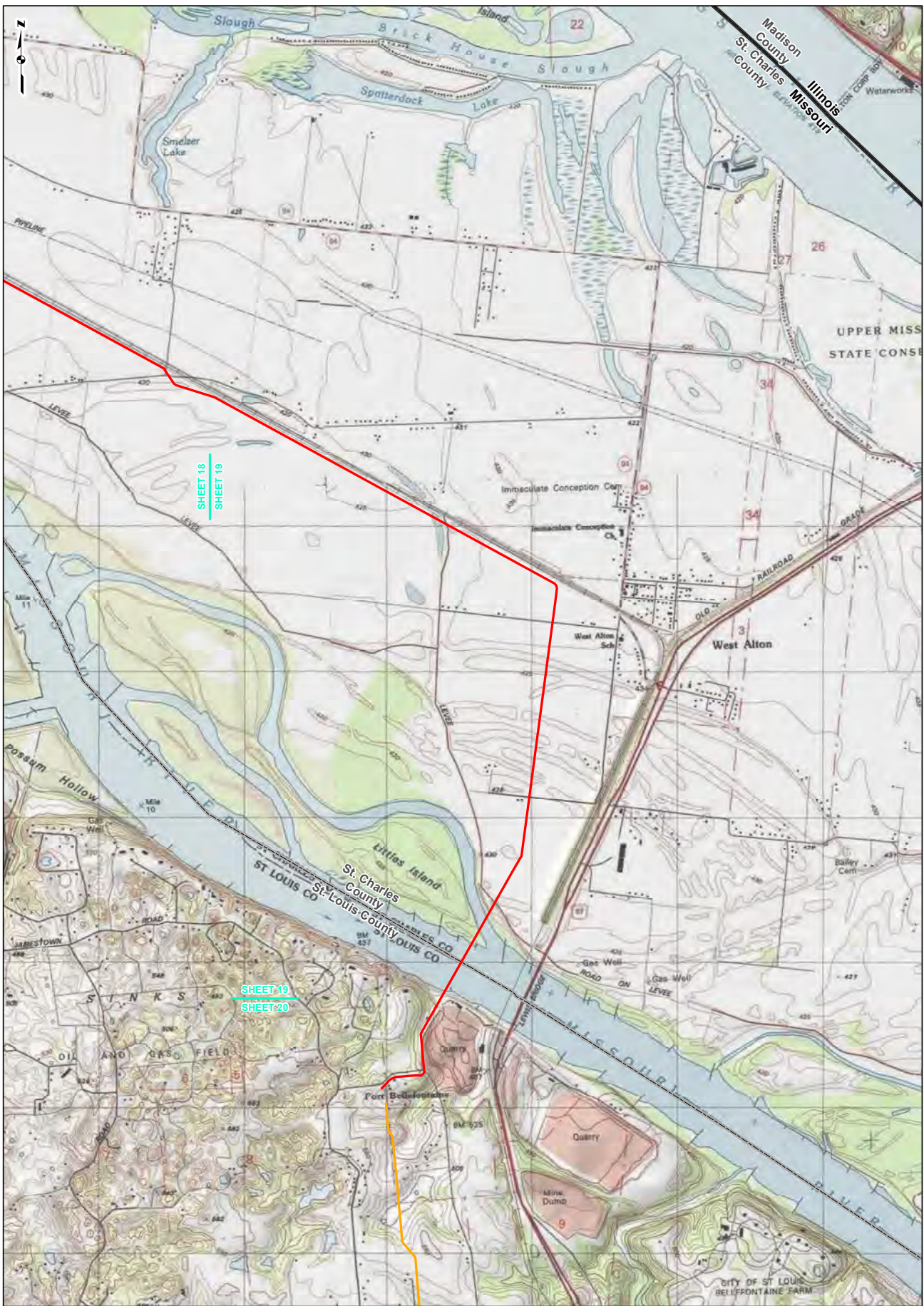
- 24-INCH PIPELINE
- NORTH COUNTY EXTENSION
- COUNTY BOUNDARY
- STATE BOUNDARY

0 1,000 2,000 4,000 Feet

PROJECT LOCATION MAP
SHEET 18 OF 21

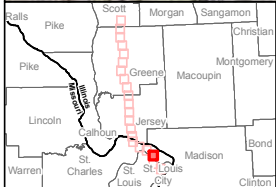
SPIRE STL PIPELINE PROJECT

DRAWN BY: SWW DATE: 10/5/2017
 CHECKED: EFJ APPROVED: TCW



SHEET 18
SHEET 19

SHEET 19
SHEET 20



REFERENCE: USGS 7.5' TOPOGRAPHIC QUADRANGLES: ALSEY (1983), ALTON (1984), BOYER CREEK (1983), CARROLLTON (1983), COLUMBIA BOTTOM (1999), ELSA (1995), FLORISSANT (1989), GRAFTON (1985), JERSEYVILLE NORTH (1983), JERSEYVILLE SOUTH (1983), OTTERVILLE (1983) AND ROODHOUSE WEST (1983), ILLINOIS AND MISSOURI, OBTAINED THROUGH ESRI USA TOPO MAPS, NATIONAL GEOGRAPHIC TOPO AND I-CUBED, ACCESSED 10/2017.

LEGEND

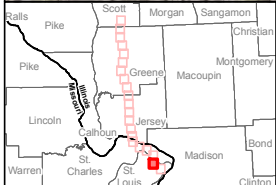
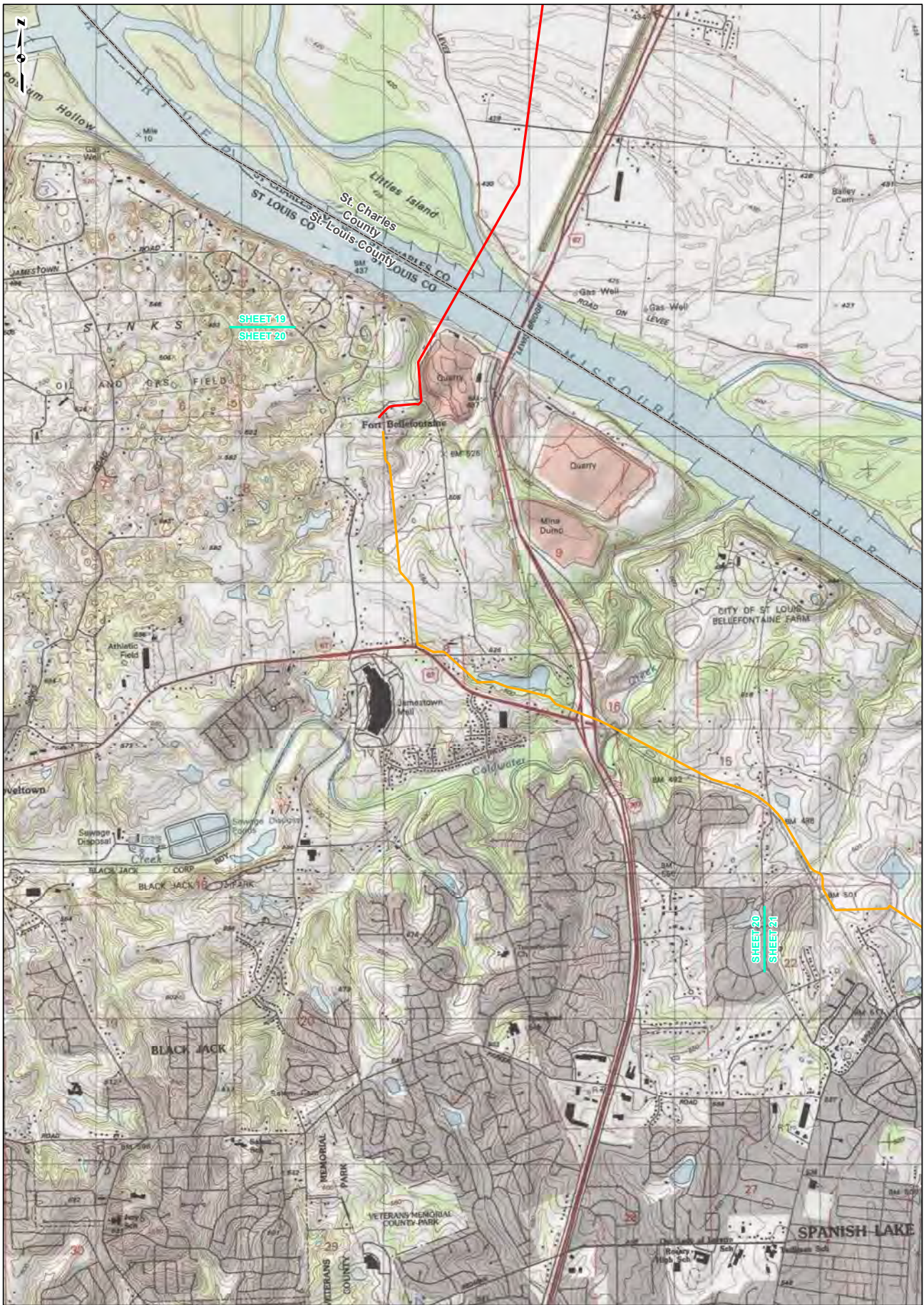
- 24-INCH PIPELINE
- NORTH COUNTY EXTENSION
- COUNTY BOUNDARY
- STATE BOUNDARY

0 1,000 2,000 4,000 Feet

PROJECT LOCATION MAP
SHEET 19 OF 21

SPIRE STL PIPELINE PROJECT

DRAWN BY: SWW DATE: 10/5/2017
 CHECKED: EFJ APPROVED: TCW



REFERENCE: USGS 7.5 TOPOGRAPHIC QUADRANGLES: ALSEY (1983), ALTON (1984), BOYER CREEK (1983), CARROLLTON (1983), COLUMBIA BOTTOM (1999), ELSA (1995), FLORISSANT (1989), GRAFTON (1985), JERSEYVILLE NORTH (1983), JERSEYVILLE SOUTH (1983), OTTERVILLE (1983), AND ROODHOUSE WEST (1983), ILLINOIS AND MISSOURI, OBTAINED THROUGH ESRI USA TOPO MAPS, NATIONAL GEOGRAPHIC TOPO AND I-CUBED, ACCESSED 10/20/2017.

LEGEND

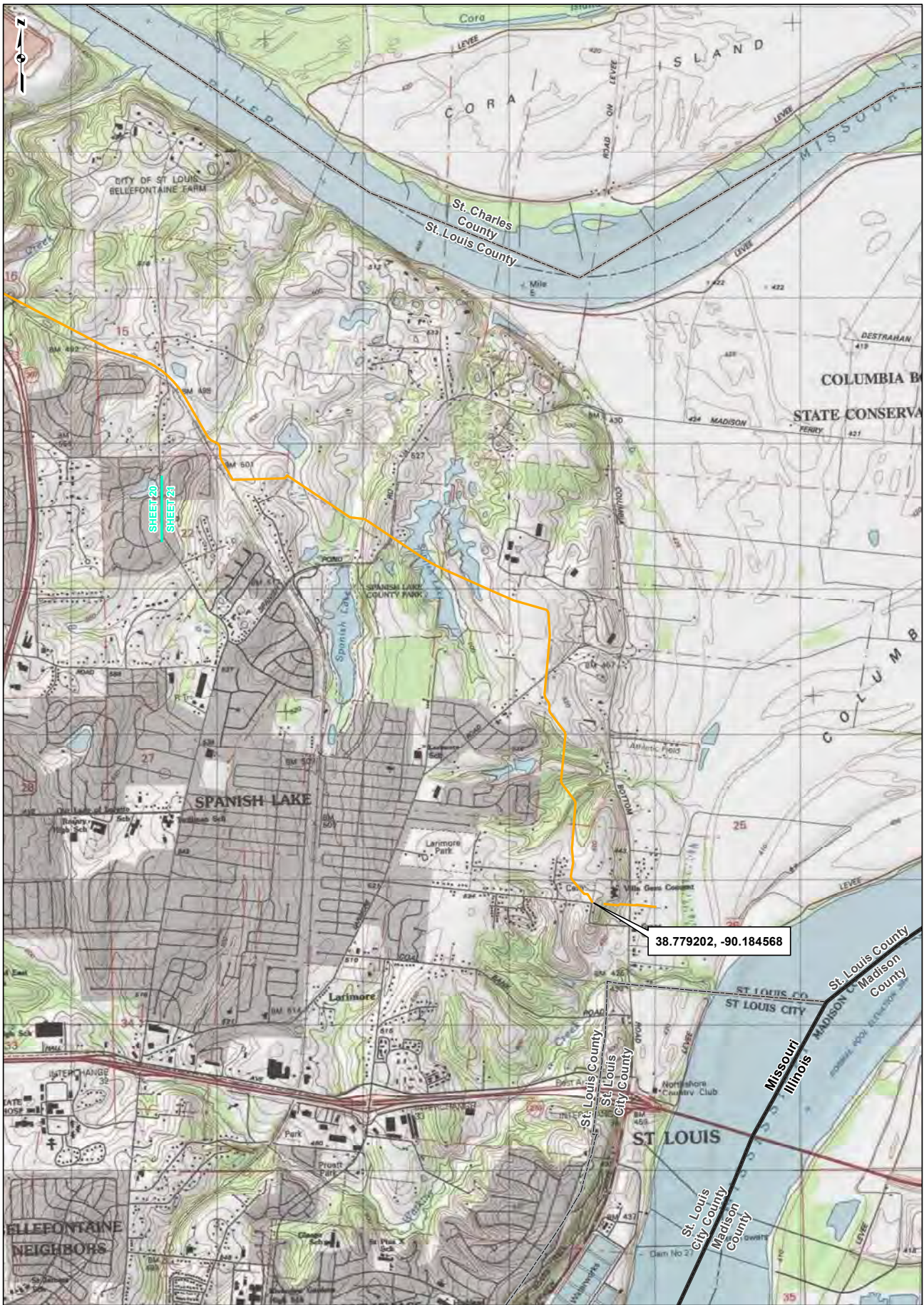
- 24-INCH PIPELINE
- NORTH COUNTY PIPELINE EXTENSION
- COUNTY BOUNDARY
- STATE BOUNDARY

0 1,000 2,000 4,000 Feet

PROJECT LOCATION MAP
SHEET 20 OF 21

SPIRE STL PIPELINE PROJECT

DRAWN BY: SWWW DATE: 10/5/2017
 CHECKED: EFJ APPROVED: TCW



REFERENCE: USGS 7.5 TOPOGRAPHIC QUADRANGLES: ALSEY (1983), ALTON (1984), BOYER CREEK (1983), CARROLLTON (1983), COLUMBIA BOTTOM (1983), ELSA (1995), FLORISSANT (1983), GRATON (1983), JERSEYVILLE NORTH (1983), JERSEYVILLE SOUTH (1983), OTTERVILLE (1983), ROODHOUSE WEST (1983), ILLINOIS AND MISSOURI, OBTAINED THROUGH ESRI USA TOPO MAPS, NATIONAL GEOGRAPHIC TOPO AND I-CUBED, ACCESSED 10/2017.

LEGEND

- 24-INCH PIPELINE
- NORTH COUNTY EXTENSION
- COUNTY BOUNDARY
- STATE BOUNDARY

PROJECT LOCATION MAP
SHEET 21 OF 21

SPIRE STL PIPELINE PROJECT

DRAWN BY: SWW DATE: 10/5/2017
 CHECKED: EFJ APPROVED: TCW

telephone log



gai consultants

Date: 10/10/2017

Project / Admin. No.: E160438.00

Call From: David Meyer

Company: USACE, St. Louis District

Phone No.: 314-331-8810

Call To: Todd Wheaton

Company: GAI Consultants

Phone No.: 234-203-0765

Subject: Section 404 Permitting

cc:

Summary of Discussion, Decisions, and Commitments:

David called in reply to my email regarding a revised Section 404 package. David requested that we hold off submitting until the route and delineations are finalized. He said would prefer to only review this once more after delineations are complete. I also informed him that the mitigation plan should arrive over the next couple days. He plans to review that portion when it arrives and let us know if he has any comments.

Ali Trunzo

From: Todd Wheaton
Sent: Tuesday, October 10, 2017 9:08 AM
To: Meyer, David P CIV USARMY CEMVS (US)
Cc: Robin Weissert; Ali Trunzo
Subject: Spire STL Pipeline (USACE Project MVS-2016-582)

Hello David,

I wanted to touch base with you this morning on a couple items and get your opinion on how you would like to proceed. We have prepared a mitigation plan for the project that we will be sending to your office for review this week. In addition to this, there have been a couple small route changes and we are preparing another addendum to reflect these changes. Unfortunately, some of these minor reroutes have not been delineated, and we will not be able to get anyone on the ground until after all crops are harvested (likely the next couple weeks). Since the impact tables will be updated yet again following the wetland delineations, would you prefer to wait until things are complete before we send over the revised tables? Otherwise we can send over everything as it currently stand and fill in the gaps once delineations are complete. Just let me know which would be easier on your end.

Thanks!
Todd

Todd C. Wheaton

Assistant Environmental Technical Leader

3720 Dressler Road NW, Canton, OH 44718

T 330.433.2680 **D** 234.203.0765 **M** 330.415.8364

Connect with GAI | [Facebook](#) | [LinkedIn](#) | [Twitter](#) | [YouTube](#) | [News & Insights](#)



GAI Consultants provides local expertise to worldwide clients in the energy, transportation, development, government, and industrial markets.

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

GAI Consultants, Inc.

Southpointe Office
 6000 Town Center Boulevard, Suite 300
 Canonsburg, PA 15317
 T 724.873.3545 | F 724.873.3549
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	T048
DATE:	10/9/2017
PROJECT NO.	E160438.00

United States Army Corps of Engineers
St. Louis District
1222 Spruce Street
St. Louis, Missouri 63103-2833
Attention: Dr. Teri Allen

PROJECT TITLE:
Spire STL Pipeline Project
Spire STL Pipeline LLC
Scott, Greene, and Jersey Counties, Illinois
and St. Charles and St. Louis Counties, Missouri

SUBJECT:
Docket No. CP17-40-000 and 001
Federal Energy Regulatory Commission
October Supplement
Public Information

WE ARE SENDING YOU: Electronic Files
VIA: Next Day Delivery
PURPOSE: For Your Use

COMMENTS:

ATTACHMENTS:

Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1 CD	-	-	October 2017	October Supplement – Public Information	-

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected

DISTRIBUTION:

Name	Company	Transmittal (Y/N)	Attachments (Y/N)
Mr. Scott Jaskowiak	Spire Inc.	Y	N
Mr. David Yonce	Spire Inc.	Y	N
Mr. Russell English	Spire Inc.	Y	N
Ms. Lori Ferry	Burns & McDonnell	Y	N

Sincerely,



Robin Weissert, CEP
 Assistant Environmental Manager

Ali Trunzo

From: Ali Trunzo
Sent: Monday, October 09, 2017 3:47 PM
To: Ali Trunzo
Subject: Project: E160438.00 - Spire - STL Pipeline Proj - File Transfer - Spire STL Pipeline - FERC October Supplemental Filing

Note: You have been CC'd on this notification.

IMPORTANT: Click a link below to access files associated with this transmittal that came in through the GAI Consultants, Inc. Info Exchange web site.

[View the transmittal in Newforma Project Center](#)

Additional links:

[Download all associated files](#)

[Sign in to the GAI Consultants, Inc. Info Exchange site](#)

[Configure cloud storage delivery](#)

[Reply to All](#)

Project Name: E160438.00 - Spire - STL Pipeline Proj
Project Number: E160438.00

From: Ali Trunzo (GAI Consultants, Inc.)
To: Laszewski.virginia@epa.gov; joe.phillippe@illinois.gov; judith.Deel@dnr.mo.gov; summerlin.joe@epa.gov; edward.c.rodriguezrobles@usace.army.mil; Teri.C.Allen@usace.army.mil; kristen_lundh@fws.gov; trisha_crabill@fws.gov; david.p.meyer@usace.army.mil; terry.savko@illinois.gov; darin.lecrone@illinois.gov; keith.shank@illinois.gov; rachel.leibowitz@illinois.gov; dan.heacock@illinois.gov; Jaclyn.C.Wittenborn@usace.army.mil; matt.vitello@mdc.mo.gov; Timothy.A.Kennedy@usace.army.mil
CC: Ali Trunzo (GAI Consultants, Inc.); lmferry@burnsmcd.com; Robin Weissert (GAI Consultants, Inc.)
Subject: Spire STL Pipeline - FERC October Supplemental Filing
Sent via: Info Exchange
Expiration Date: 10/30/2017
Remarks: Hi all,

Please use the links to download the PUBLIC information associated with Spire STL Pipeline's recent supplemental filing made to the FERC on October 6, 2017.

If you have any trouble with the files, please let me know.

Thank you,
Ali Trunzo

Alessandra M. Trunzo

D 412.399.5096 Email a.trunzo@gaiconsultants.com



ENGINEERING, PLANNING, AND ENVIRONMENTAL CONSULTING SINCE 1958

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

Transferred Files

NAME	TYPE	DATE	TIME	SIZE
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(1) PUBLIC.pdf</u>	PDF File	10/6/2017	10:23 AM	5,500 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(10) PUBLIC.pdf</u>	PDF File	10/6/2017	10:26 AM	33,997 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(2) PUBLIC.pdf</u>	PDF File	10/6/2017	11:03 AM	17,447 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(3) PUBLIC.pdf</u>	PDF File	10/6/2017	9:52 AM	42,059 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(4) PUBLIC.pdf</u>	PDF File	10/6/2017	9:52 AM	37,575 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(5) PUBLIC.pdf</u>	PDF File	10/6/2017	9:52 AM	28,859 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(6) PUBLIC.pdf</u>	PDF File	10/6/2017	9:52 AM	33,152 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(7) PUBLIC.pdf</u>	PDF File	10/6/2017	9:52 AM	30,554 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(8) PUBLIC.pdf</u>	PDF File	10/6/2017	9:52 AM	20,960 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(9) PUBLIC.pdf</u>	PDF File	10/6/2017	10:25 AM	23,380 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire</u>	PDF File	10/6/2017	10:20 AM	26,793 KB

<u>STL App 1- C Correspondence PUBLIC.pdf</u>				
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL Supplement PUBLIC.pdf</u>	PDF File	10/6/2017	12:35 PM	19,149 KB
<u>Transmittal - 00070.pdf</u>	PDF File	10/9/2017	3:45 PM	71 KB

Notification generated by [Newforma Info Exchange](#)



United States Fish and Wildlife Service

telephone log



gai consultants

Date: 08/02/2018

Project / Admin. No.: E160438.00

Call From: Kristen Lundh

Company: USFWS

Phone No.: 309-757-5800

Call To: Jason Duffey

Company: GAI

Phone No.: 937-554-8488

Subject: Spire STL Pipeline

cc:

Summary of Discussion, Decisions, and Commitments:

Ms. Lundh was calling to return my voicemails of 7/24/2018 and 8/2/2018.

GAI's Jason Duffey had left voicemails for Ms. Lundh regarding the period of validity for the bat mist net surveys, as well as other T&E species surveys.

Ms. Lundh indicated the bat mist net surveys should be valid for two years, but this should be interpreted as the summer they were conducted and the following two summer seasons. Therefore, tree clearing conducted anytime through 2019 should not need any re-initiation of consultation. Clearing after 2019 (i.e., after March 31, 2020, should not be conducted without further discussions with USFWS. Any re-initiation would be conducted by the FERC.

Other species surveys should be considered to be valid for a similar period. Spire could conduct additional bald eagle nest searches each spring that construction continues; however, Spire could also notify contractors and Environmental Inspectors to stop construction if a bald eagle nest is spotted. The secondary approach would be effective because of the length of time it takes a nesting pair of bald eagles to become established in the area, i.e., they do not immediately appear within the project and become affected. Spire should just consider the best approach to avoid effects.

Ali Trunzo

Subject: FW: Final Biological Opinion for the Spire STL Pipeline
Attachments: Spire STL Pipeline BO Final 2-2-18.pdf

From: Lundh, Kristen [mailto:kristen_lundh@fws.gov]
Sent: Friday, February 2, 2018 3:30 PM
To: Ferry, Lori M <lmferry@burnsmcd.com>
Subject: Final Biological Opinion for the Spire STL Pipeline

Lori,

Attached is the final BO. Please consider this your cc: unless you want a hard copy sent as well.

Thanks,

Kristen

Kristen Lundh
U.S. Fish and Wildlife Service
Illinois & Iowa Ecological Services Field Office
1511 47th Avenue
Moline, IL 61265
309-757-5800 x 215
kristen_lundh@fws.gov

Ali Trunzo

Subject: FW: FW: Transmission of U.S. Fish and Wildlife Service's Draft Biological Opinion for the Spire STL Pipeline
Attachments: Biological Opinion Draft_v2_KML.docx

From: Lundh, Kristen [mailto:kristen_lundh@fws.gov]

Sent: Friday, January 26, 2018 12:58 PM

To: Ferry, Lori M <lmferry@burnsmcd.com>

Subject: Fwd: FW: Transmission of U.S. Fish and Wildlife Service's Draft Biological Opinion for the Spire STL Pipeline

Hi Lori,

The updated draft BO is attached. I'll let you know when I get in touch with Jenny.

Kristen

Kristen Lundh
U.S. Fish and Wildlife Service
Illinois & Iowa Ecological Services Field Office
1511 47th Avenue
Moline, IL 61265
309-757-5800 x 215
kristen_lundh@fws.gov

----- Forwarded message -----

From: Lundh, Kristen <kristen_lundh@fws.gov>

Date: Fri, Jan 26, 2018 at 12:56 PM

Subject: Re: FW: Transmission of U.S. Fish and Wildlife Service's Draft Biological Opinion for the Spire STL Pipeline

To: Jen Ward <JLWard@edge-es.com>, Sheila Kragie <sheila.kragie@ferc.gov>

Cc: Kraig McPeek <Kraig_McPeek@fws.gov>

Xiah and Jen,

Attached is the updated draft of the BO. Changes are highlighted in yellow. Please let me know if you have any additional questions.

Kristen

Kristen Lundh
U.S. Fish and Wildlife Service
Illinois & Iowa Ecological Services Field Office
1511 47th Avenue
Moline, IL 61265
309-757-5800 x 215
kristen_lundh@fws.gov

Ali Trunzo

Subject: FW: Transmission of U.S. Fish and Wildlife Service's Draft Biological Opinion for the Spire STL Pipeline
Attachments: Spire BO Draft.pdf

From: Lundh, Kristen [mailto:kristen_lundh@fws.gov]
Sent: Wednesday, January 10, 2018 8:32 AM
To: Ferry, Lori M <lmferry@burnsmcd.com>
Subject: Fwd: Transmission of U.S. Fish and Wildlife Service's Draft Biological Opinion for the Spire STL Pipeline

Hi Lori,

Attached is the draft BO sent to FERC today. I have coordinated with ILDNR (J. Skufka) and they will adopt the post-construction monitoring we include in the BO into the Conservation Plan for the ITA. This is the standard for post-construction monitoring efforts for bats that we include to evaluate the effects of a project.

I expect FERC to respond in the next 2 weeks so that FWS can issue the BO as soon as possible.

Kraig and I are planning to give you a call tomorrow to talk briefly about a couple of things. Is there a specific time that would work best for you?

Thanks,

Kristen

Kristen Lundh
U.S. Fish and Wildlife Service
Illinois & Iowa Ecological Services Field Office
1511 47th Avenue
Moline, IL 61265
309-757-5800 x 215
kristen_lundh@fws.gov

----- Forwarded message -----

From: Lundh, Kristen <kristen_lundh@fws.gov>
Date: Wed, Jan 10, 2018 at 8:25 AM
Subject: Transmission of U.S. Fish and Wildlife Service's Draft Biological Opinion for the Spire STL Pipeline
To: Sheila.Kragie@ferc.gov
Cc: Kraig McPeek <Kraig_McPeek@fws.gov>, Karen Herrington <karen_herrington@fws.gov>, Trisha Crabill <trisha_crabill@fws.gov>

Xiah,

Attached is our Draft Biological Opinion (BO) for the proposed Spire STL Pipeline Project. As we indicated in our October 26, 2017 response to FERC's request for formal consultation, we expect to issue the BO no later than February 11 as indicated in our regulatory timeline.

If you or any of the reviewing FERC staff have questions as you review the BO, please feel free to contact me at this email address or the number below.

Thanks,

Kristen

Kristen Lundh
U.S. Fish and Wildlife Service
Illinois & Iowa Ecological Services Field Office
1511 47th Avenue
Moline, IL 61265
309-757-5800 x 215
kristen_lundh@fws.gov

telephone log



gai consultants

Date: 1/9/2018

Project / Admin. No.: E160438.00

Call From: Kristen Lundh

Company: USFWS

Phone No.: 309-757-5800

Call To: Lori Ferry

Company: Burns & McDonnell

Phone No.: 630-605-5255

Subject: Spire STL Pipeline

cc:

Summary of Discussion, Decisions, and Commitments:

Ms. Lundh was calling to return my voicemails and emails.

Ms. Lundh indicated that the draft Biological Opinion was completed, and she was sending it to her Director today to review. Her intent was to get it to FERC by 1/10/18.

Ms. Lundh indicated that there should be no surprises within the Biological Opinion other than the requirement to complete post construction monitoring for the maternity and non-maternity areas. We discussed the difficulty in conducting post construction monitoring in areas outside Spire's 50-foot permanent right-of-way. She didn't think it would be an issue getting landowner approval because it has never been an issue in the past, but that we could work through the issue if it does become a problem.

Ms. Lundh asked where Spire was at with mitigation since she had heard there were some roadblocks with the previous discussed mitigation strategy. I updated Ms. Lundh on our recent discussions with ongoing mitigation strategies.

I asked Ms. Lundh about some potential variances that Spire had coming up that were going to be proposed in the Implementation Plan. Ms. Lundh indicated that if additional forested land clearing was going to happen in the maternity and non-maternity areas, then an amendment would need to be made to the Biological Opinion because take is based on acreage and not on individuals. It is assumed that any additional forested clearing would not have an impact on jeopardy to the species, but our take limit would need to be increased. I told her of one reroute in Missouri (which should not affect an Indiana bat habitat) and one reroute in Illinois (which is in one of the non-maternity habitats). Ms. Lundh indicated that the amendment information could come from

FERC in a letter and the USFWS would issue an amendment. This process should only take a couple of days.

telephone log



gai consultants

Date: 11/3/2017

Project / Admin. No.: E160438.00

Call From: Lori Ferry, Doug Sipe

Company: Burns & McDonnell

Phone No.: 630-605-5255

Call To: Kristen Lundh

Company: USFWS

Phone No.: 309-757-5800

Subject: Spire STL Pipeline

cc:

Summary of Discussion, Decisions, and Commitments:

Called Ms. Lundh as a follow up to her email received.

Ms. Lundh informed us that she had planned to submit comments on the EA this week. She indicated the comments did not contain any new information or anything of concern. She also indicated that she would like Spire to come into the USFWS offices to present what they are doing regarding mitigation.

Spire also asked Ms. Lundh the implications that additional tree clearing may have on the formal consultation once the Biological Opinion is issued. If project changes occur within the kilometer buffers where mist net surveys were conducted, then the USFWS should not have significant concerns. They would like to be informed of any additional acreage of tree clearing however.

Spire also asked Ms. Lundh about the schedule in the USFWS letter dated October 26, 2017 for issuance of the Biological Opinion (February 2018). Ms. Lundh indicated that the date provided was the standard 135 days and that she was anticipating issuing the Biological Opinion before the end of the year if possible.

telephone log



gai consultants

Date: 10/31/2017

Project / Admin. No.: E160438.00

Call From: Lori Ferry, Doug Sipe

Company: Burns & McDonnell

Phone No.: 630-605-5255

Call To: Kristen Lundh

Company: USFWS

Phone No.: 309-757-5800

Subject: Spire STL Pipeline

cc:

Summary of Discussion, Decisions, and Commitments:

Called Ms. Lundh as a follow up to her email.

Ms. Lundh requested information from Spire on any recent mitigation discussions. She was informed that Spire was working with Great Rivers Land Trust to potentially purchase a property near the Project area. The property consists of forested bluff habitat similar to the habitat that exists in the area north of the Mississippi River where the Project is crossing.

Great Rivers Land Trust currently owns the property but the property is unencumbered. Spire would purchase the property and then work with Great Rivers Land Trust to put the property into a conservation easement. Great Rivers Land Trust has extensive experience in the area managing conservation easements. Once the property was in a conservation easement, Great Rivers Land Trust will work with Spire to develop a management plan for the property to protect species, timber etc. No future development would be allowed on the property.

Mitigation is considered voluntary for the purposes of the USFWS, so Ms. Lundh could not comment on if the mitigation was considered adequate but she was happy that Spire had pursued some sort of conservation. Ms. Lundh invited Spire into the Rock Island Field Office to discuss the mitigation that Spire proposed once the transactions had occurred.



United States Department of the Interior



FISH AND WILDLIFE SERVICE
Illinois & Iowa ES Field Office
1511 47th Avenue
Moline, Illinois 61265
Phone: (309) 757-5800 Fax: (309) 757-5807

IN REPLY REFER
TO:

FWS/RIFO

October 26, 2017

Mr. David Swearingen
Federal Energy Regulatory Commission
Gas Branch 4
Division of Gas – Environment
and Engineering
Washington, D.C. 20426

Dear Mr. Swearingen:

This letter acknowledges the U.S. Fish and Wildlife Service's (Service) September 29, 2017 receipt of the Environmental Assessment (EA) (Spire STL Pipeline Project Docket Nos. CP17-40-000; CP17-40-001) for the Spire STL Pipeline Project and your letter requesting initiation of formal consultation under Section 7 of the Endangered Species Act. The consultation concerns the possible effects to threatened and endangered species by the construction of 65 miles of new, 24-inch-diameter natural gas pipeline in two segments in Scott, Greene, and Jersey counties in Illinois, and St. Louis County, Missouri, and facilities associated with the project.

All information required for you to initiate formal consultation was included in the Biological Assessment (BA) appended to your EA or is otherwise accessible for our consideration and reference. The BA addresses the effects of the project on the Indiana bat (*Myotis sodalis*) and decurrent false aster (*Boltonia decurrens*). Surveys conducted for the decurrent false aster within the action area for the project subsequent to the writing of the BA indicate the absence of this species. Therefore, we believe the project will have no effect on decurrent false aster and this consultation will specifically address the effects of the project as described in the EA and BA on the federally endangered Indiana bat.

The project may also affect the northern long-eared bat. The Project is not within 0.25 mile of a known northern long-eared bat hibernaculum or within 150 feet from a known occupied maternity roost tree. There are no effects beyond those previously disclosed in the Service's programmatic biological opinion for the final 4(d) rule dated January 5, 2016. This project is consistent with the description of the proposed action in the programmatic biological opinion, and the 4(d) rule does not prohibit incidental take of the northern long-eared bat that may occur

as a result of this project. Therefore, the programmatic biological opinion satisfies the FERC's responsibilities under ESA section 7(a)(2) relative to the northern long-eared bat for this project.

We also acknowledge receipt of the Northern Long-eared Bat 4(d) Streamlined Consultation Form included in Appendix K to the EA

The Service also concurs that the project is not likely to adversely affect the gray bat, least tern, piping plover, red knot, and pallid sturgeon.

Section 7 allows the Service up to 90 calendar days to conclude formal consultation with your agency and an additional 45 calendar days to prepare our biological opinion unless our agencies mutually agree to an extension. Thus, we would expect to provide you with our biological opinion no later than February 11, 2018.

As a reminder, the Endangered Species Act requires that after initiation of formal consultation the Federal action agency may not make any irreversible or irretrievable commitment of resources that limits future options. This practice insures agency actions do not preclude the formulation or implementation of reasonable and prudent alternatives that avoid jeopardizing the continued existence of endangered or threatened species or destroying or modifying their critical habitats.

If you have any questions or concerns regarding this consultation or the consultation process in general, please contact Kristen Lundh of this office at (309) 757-5800, extension 215.

Sincerely,



Kraig McPeck
Field Supervisor

Ali Trunzo

From: Lundh, Kristen <kristen_lundh@fws.gov>
Sent: Thursday, October 26, 2017 12:15 PM
To: Ferry, Lori M
Cc: Ali Trunzo
Subject: Re: FW: Spire STL Pipeline-Bald Eagle Survey Results

Hi Lori,

Yes the U.S. Fish and Wildlife Service is satisfied with the results of the bald eagle nest searches conducted for the Spire STL Pipeline Project by GAI Consultants as reference by your emails on October 12, 2017 and August 10, 2017. Please let me know if you have any additional questions.

Kristen

Kristen Lundh
U.S. Fish and Wildlife Service
Illinois & Iowa Ecological Services Field Office
1511 47th Avenue
Moline, IL 61265
309-757-5800 x 215
kristen_lundh@fws.gov

On Thu, Oct 12, 2017 at 5:30 PM, Ferry, Lori M <lmferry@burnsmcd.com> wrote:

Hi Kristen,

Hope you are well!

Just wanted to follow up with you on this email sent back in August. We have received our FERC Environmental Assessment and as part of Condition #17 ("Prior to construction, Spire shall file with the Secretary a copy of its final bald eagle survey report and any correspondence with the USFWS regarding the survey results."). We had submitted our table to you indicating that field surveys had been completed for bald eagles. Can you please let us know if you concur with the information we provided so we can let FERC know this condition was completed?

Thanks!

Lori

From: Lori Ferry
Sent: Thursday, August 10, 2017 11:46 AM

To: 'Lundh, Kristen' <kristen_lundh@fws.gov>
Cc: Ali Trunzo <A.Trunzo@gaiconsultants.com>
Subject: Spire STL Pipeline-Bald Eagle Survey Results

Hi Kristen

Attached is our completed table with the results of our bald eagle nest searches on the Spire STL Pipeline Project.

We did not identify any nests within the Project or within 660 feet of the Project areas.

As discussed, we are providing you with this table for your records. Please let us know if you need any further documentation and if you can confirm our bald eagle assessments are completed.

Also, wanted to check in and see if you all had a chance to review the Eastern Prairie Fringed Orchid report we had submitted July 14.

Thank you!

Lori

Lori Ferry
Environmental Manager-Energy Business Unit

GAI Consultants

Chicago Office | 2300 Cabot Drive, Suite 395 Lisle, Illinois 60532

T 331.301.2002 M 630.605.5255 | gaiconsultants.com |    

l.ferry@gaiconsultants.com

 **transforming ideas into reality, since 1958**

CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

Ali Trunzo

From: Ali Trunzo
Sent: Monday, October 09, 2017 3:47 PM
To: Ali Trunzo
Subject: Project: E160438.00 - Spire - STL Pipeline Proj - File Transfer - Spire STL Pipeline - FERC October Supplemental Filing

Note: You have been CC'd on this notification.

IMPORTANT: Click a link below to access files associated with this transmittal that came in through the GAI Consultants, Inc. Info Exchange web site.

[View the transmittal in Newforma Project Center](#)

Additional links:

[Download all associated files](#)

[Sign in to the GAI Consultants, Inc. Info Exchange site](#)

[Configure cloud storage delivery](#)

[Reply to All](#)

Project Name: E160438.00 - Spire - STL Pipeline Proj
Project Number: E160438.00

From: Ali Trunzo (GAI Consultants, Inc.)
To: Laszewski.virginia@epa.gov; joe.phillippe@illinois.gov; judith.Deel@dnr.mo.gov; summerlin.joe@epa.gov; edward.c.rodriguezrobles@usace.army.mil; Teri.C.Allen@usace.army.mil; kristen_lundh@fws.gov; trisha_crabill@fws.gov; david.p.meyer@usace.army.mil; terry.savko@illinois.gov; darin.lecrone@illinois.gov; keith.shank@illinois.gov; rachel.leibowitz@illinois.gov; dan.heacock@illinois.gov; Jaclyn.C.Wittenborn@usace.army.mil; matt.vitello@mdc.mo.gov; Timothy.A.Kennedy@usace.army.mil
CC: Ali Trunzo (GAI Consultants, Inc.); lmferry@burnsmcd.com; Robin Weissert (GAI Consultants, Inc.)
Subject: Spire STL Pipeline - FERC October Supplemental Filing
Sent via: Info Exchange
Expiration Date: 10/30/2017
Remarks: Hi all,

Please use the links to download the PUBLIC information associated with Spire STL Pipeline's recent supplemental filing made to the FERC on October 6, 2017.

If you have any trouble with the files, please let me know.

Thank you,
Ali Trunzo

Alessandra M. Trunzo

D 412.399.5096 Email a.trunzo@gaiconsultants.com



ENGINEERING, PLANNING, AND ENVIRONMENTAL CONSULTING SINCE 1958

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

Transferred Files

NAME	TYPE	DATE	TIME	SIZE
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(1) PUBLIC.pdf</u>	PDF File	10/6/2017	10:23 AM	5,500 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(10) PUBLIC.pdf</u>	PDF File	10/6/2017	10:26 AM	33,997 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(2) PUBLIC.pdf</u>	PDF File	10/6/2017	11:03 AM	17,447 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(3) PUBLIC.pdf</u>	PDF File	10/6/2017	9:52 AM	42,059 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(4) PUBLIC.pdf</u>	PDF File	10/6/2017	9:52 AM	37,575 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(5) PUBLIC.pdf</u>	PDF File	10/6/2017	9:52 AM	28,859 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(6) PUBLIC.pdf</u>	PDF File	10/6/2017	9:52 AM	33,152 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(7) PUBLIC.pdf</u>	PDF File	10/6/2017	9:52 AM	30,554 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(8) PUBLIC.pdf</u>	PDF File	10/6/2017	9:52 AM	20,960 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(9) PUBLIC.pdf</u>	PDF File	10/6/2017	10:25 AM	23,380 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire</u>	PDF File	10/6/2017	10:20 AM	26,793 KB

<u>STL App 1- C Correspondence PUBLIC.pdf</u>				
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL Supplement PUBLIC.pdf</u>	PDF File	10/6/2017	12:35 PM	19,149 KB
<u>Transmittal - 00070.pdf</u>	PDF File	10/9/2017	3:45 PM	71 KB

Notification generated by [Newforma Info Exchange](#)



United States Environmental Protection Agency

GAI Consultants, Inc.

Southpointe Office
 6000 Town Center Boulevard, Suite 300
 Canonsburg, PA 15317
 T 724.873.3545 | F 724.873.3549
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	T050
DATE:	10/9/2017
PROJECT NO.	E160438.00

United States Environmental Protection Agency
Region 5
77 West Jackson Boulevard
Chicago, Illinois 60604
Attention: Ms. Virginia Laszewski

PROJECT TITLE:
Spire STL Pipeline Project
Spire STL Pipeline LLC
Scott, Greene, and Jersey Counties, Illinois
and St. Charles and St. Louis Counties, Missouri

SUBJECT:
Docket No. CP17-40-000 and 001
Federal Energy Regulatory Commission
October Supplement
Public Information

WE ARE SENDING YOU: Electronic Files
VIA: Next Day Delivery
PURPOSE: For Your Use

COMMENTS:

ATTACHMENTS:

Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1 CD	-	-	October 2017	October Supplement – Public Information	-

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected

DISTRIBUTION:

Name	Company	Transmittal (Y/N)	Attachments (Y/N)
Mr. Scott Jaskowiak	Spire Inc.	Y	N
Mr. David Yonce	Spire Inc.	Y	N
Mr. Russell English	Spire Inc.	Y	N
Ms. Lori Ferry	Burns & McDonnell	Y	N

Sincerely,



Robin Weissert, CEP
 Assistant Environmental Manager

GAI Consultants, Inc.

Southpointe Office
 6000 Town Center Boulevard, Suite 300
 Canonsburg, PA 15317
 T 724.873.3545 | F 724.873.3549
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	T049
DATE:	10/9/2017
PROJECT NO.	E160438.00

United States Environmental Protection Agency
Region 7
11201 Renner Boulevard
Lenexa, Kansas 66219
Attention: Mr. Joe Summerlin

PROJECT TITLE:
Spire STL Pipeline Project
Spire STL Pipeline LLC
Scott, Greene, and Jersey Counties, Illinois
and St. Charles and St. Louis Counties, Missouri

SUBJECT:
Docket No. CP17-40-000 and 001
Federal Energy Regulatory Commission
October Supplement
Public Information

WE ARE SENDING YOU: Electronic Files
VIA: Next Day Delivery
PURPOSE: For Your Use

COMMENTS:

ATTACHMENTS:

Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1 CD	-	-	October 2017	October Supplement – Public Information	-

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected

DISTRIBUTION:

Name	Company	Transmittal (Y/N)	Attachments (Y/N)
Mr. Scott Jaskowiak	Spire Inc.	Y	N
Mr. David Yonce	Spire Inc.	Y	N
Mr. Russell English	Spire Inc.	Y	N
Ms. Lori Ferry	Burns & McDonnell	Y	N

Sincerely,



Robin Weissert, CEP
 Assistant Environmental Manager

Ali Trunzo

From: Ali Trunzo
Sent: Monday, October 09, 2017 3:47 PM
To: Ali Trunzo
Subject: Project: E160438.00 - Spire - STL Pipeline Proj - File Transfer - Spire STL Pipeline - FERC October Supplemental Filing

Note: You have been CC'd on this notification.

IMPORTANT: Click a link below to access files associated with this transmittal that came in through the GAI Consultants, Inc. Info Exchange web site.

[View the transmittal in Newforma Project Center](#)

Additional links:

[Download all associated files](#)

[Sign in to the GAI Consultants, Inc. Info Exchange site](#)

[Configure cloud storage delivery](#)

[Reply to All](#)

Project Name: E160438.00 - Spire - STL Pipeline Proj
Project Number: E160438.00

From: Ali Trunzo (GAI Consultants, Inc.)
To: Laszewski.virginia@epa.gov; joe.phillippe@illinois.gov; judith.Deel@dnr.mo.gov; summerlin.joe@epa.gov; edward.c.rodriguezrobles@usace.army.mil; Teri.C.Allen@usace.army.mil; kristen_lundh@fws.gov; trisha_crabill@fws.gov; david.p.meyer@usace.army.mil; terry.savko@illinois.gov; darin.lecrone@illinois.gov; keith.shank@illinois.gov; rachel.leibowitz@illinois.gov; dan.heacock@illinois.gov; Jaclyn.C.Wittenborn@usace.army.mil; matt.vitello@mdc.mo.gov; Timothy.A.Kennedy@usace.army.mil
CC: Ali Trunzo (GAI Consultants, Inc.); lmferry@burnsmcd.com; Robin Weissert (GAI Consultants, Inc.)
Subject: Spire STL Pipeline - FERC October Supplemental Filing
Sent via: Info Exchange
Expiration Date: 10/30/2017
Remarks: Hi all,

Please use the links to download the PUBLIC information associated with Spire STL Pipeline's recent supplemental filing made to the FERC on October 6, 2017.

If you have any trouble with the files, please let me know.

Thank you,
Ali Trunzo

Alessandra M. Trunzo

D 412.399.5096 Email a.trunzo@gaiconsultants.com



ENGINEERING, PLANNING, AND ENVIRONMENTAL CONSULTING SINCE 1958

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

Transferred Files

NAME	TYPE	DATE	TIME	SIZE
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(1) PUBLIC.pdf</u>	PDF File	10/6/2017	10:23 AM	5,500 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(10) PUBLIC.pdf</u>	PDF File	10/6/2017	10:26 AM	33,997 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(2) PUBLIC.pdf</u>	PDF File	10/6/2017	11:03 AM	17,447 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(3) PUBLIC.pdf</u>	PDF File	10/6/2017	9:52 AM	42,059 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(4) PUBLIC.pdf</u>	PDF File	10/6/2017	9:52 AM	37,575 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(5) PUBLIC.pdf</u>	PDF File	10/6/2017	9:52 AM	28,859 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(6) PUBLIC.pdf</u>	PDF File	10/6/2017	9:52 AM	33,152 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(7) PUBLIC.pdf</u>	PDF File	10/6/2017	9:52 AM	30,554 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(8) PUBLIC.pdf</u>	PDF File	10/6/2017	9:52 AM	20,960 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(9) PUBLIC.pdf</u>	PDF File	10/6/2017	10:25 AM	23,380 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire</u>	PDF File	10/6/2017	10:20 AM	26,793 KB

<u>STL App 1- C Correspondence PUBLIC.pdf</u>				
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL Supplement PUBLIC.pdf</u>	PDF File	10/6/2017	12:35 PM	19,149 KB
<u>Transmittal - 00070.pdf</u>	PDF File	10/9/2017	3:45 PM	71 KB

Notification generated by [Newforma Info Exchange](#)



Illinois Department of Natural Resources



Indianapolis Office
6420 Castleway West Drive
Indianapolis, IN 46250

T 317.570.6800
F 317.570.6810

July 02, 2018

Project E160438.00

Mr. Steve Altman
Illinois Department of Natural Resources
Office of Water Resources
Downstate Regulatory Programs Section
One Natural Resource Way
Springfield, IL 62702

**Addendum IV to Nationwide Permit 12 Joint Permit Application
Spire STL Pipeline LLC
Spire STL Pipeline Project (MVS-2016-582)
Scott, Greene, and Jersey Counties, Illinois, and St. Charles and St. Louis Counties, Missouri**

Dear Mr. Altman:

On behalf of Spire STL Pipeline LLC ("Spire"), GAI Consultants, Inc. ("GAI") submitted a Nationwide Permit 12 Joint Permit Application ("JPA") and Section 10 letter of permission request for the Spire STL Pipeline Project ("Project"), located in Scott, Greene, and Jersey Counties, Illinois ("IL"), and St. Charles and St. Louis Counties, Missouri ("MO") to your office on January 27, 2017. Subsequent Addendums to the PCN were submitted to your office on April 21, July 14, and December 15, 2017. Minor changes in the Project alignment along the north side of the Mississippi River were necessary to avoid sensitive environmental resources located near the previous Horizontal Directional Drill ("HDD") entrance. GAI has prepared this Addendum to the previously submitted PCN and Section 10 Letter of Permission to address these changes.

The Project will consist of approximately 65 miles of new 24-inch-diameter steel pipeline in two segments. The first segment (referred to as the "24-inch pipeline" portion of the Project) will originate at a new interconnect with the Rockies Express Pipeline LLC ("REX") pipeline in Scott County, Illinois and extend approximately 59 miles through Greene and Jersey Counties in Illinois before crossing the Mississippi River and extending east through St. Charles County, Missouri. The 24-inch pipeline then crosses the Missouri River into St. Louis County, Missouri, and terminates at a new interconnect with Laclede Gas Company ("LGC"). The second segment of pipeline (referred to as the "North County Extension"), will consist of a new 24-inch-diameter steel pipeline which will extend approximately six miles from the LGC interconnect through the northern portion of St. Louis County and terminate at a new interconnect with Enable Mississippi River Transmission, LLC ("Enable MRT") and LGC. The total length of the Project pipeline will be approximately 65 miles. The Project also includes the construction of three new metering and regulating ("M&R") stations that provide interconnects with (1) REX in Illinois, (2) LGC in Missouri, and (3) Enable MRT and LGC in Missouri. This Project, as proposed, falls under the oversight of the Federal Energy Regulatory Commission ("FERC").

GAI, on behalf of Spire, is hereby submitting for review a hard copy and an electronic copy of the Project's Nationwide Permit ("NWP") 12 JPA Addendum IV. This package has been prepared based on the Project adhering to the general and regional conditions of a NWP-12 and Section 401 Water Quality Certification ("WQC") General and Specific Conditions within the State of Illinois. A copy of this JPA Addendum has also been provided to the Illinois Environmental Protection Agency and the U.S. Army Corps of Engineers, St. Louis District concurrently with this submittal for their confirmation of General Section 401 coverage.

Correspondence with the Illinois Historic Preservation Agency ("IHPA") has been ongoing. Additional areas in IL were surveyed in December 2017, January 2018, and March 2018. Phase I survey results from fieldwork conducted in December 2017 were included in the Addendum V reports, which were each submitted to the IHPA on January 10, 2018. The IHPA concurred with the survey results and recommendations for the IL portion of the project included in Addendum V in a letter dated March 22, 2018.

The Addendum VI reports included results and recommendations from Phase I fieldwork completed in IL in January 2018. This report was submitted to the IHPA on February 16, 2018. The IHPA issued their concurrence for the Addendum VI report in a letter dated March 22, 2018.

In March 2018, GAI conducted fieldwork for a Phase II National Register of Historic Places eligibility evaluation at Site 11JY801 and the Addendum VII Phase I survey of an access road. GAI also prepared avoidance plans for Sites 11JY789 and 11JY800. The results and recommendations for the Phase II eligibility evaluation and Addendum VII Phase I survey, along with the avoidance plans for Sites 11JY789 and 11JY800, were included in a single document submitted to the IHPA on April 17, 2018. The IHPA requested that the single document submitted on April 17, 2018 be split into four separate documents. GAI submitted these four separate documents to the IHPA on May 11, 2018. IHPA issued their final concurrence on June 15, 2018. To assist in your review, all prior SHPO and Tribal agency coordination has been included in the attached PCN addendum as Attachment A.

Nationwide Permit (NWP) 12 and Section 10 Letter of Permission Request

As currently proposed, temporary impacts to 59 streams and 32 wetlands will be necessary to construct the Project. Impacted streams and wetlands will be crossed using the dry-ditch open-cut method. A dam and flume method of dewatering is installed to create a dry work area, the trenches are dug, the pipeline is placed, and the trench is then refilled and the work area reclaimed. Additionally, temporary crossings of 23 streams and 11 wetlands located within the Project workspace and along associated access roads will be required during construction of the Project. Other aquatic resources, including the Mississippi River, will be crossed using a Horizontal Directional Drill ("HDD") method. This method involves boring a tunnel beneath the aquatic resources through which the pipeline will be pulled and installed. No physical impacts to the aquatic resources are anticipated to occur with this construction method. Detailed information regarding these impacts can be found in Tables 1 and 2 in the attached JPA Addendum.

Avoiding stream and wetland impacts as well as avoidance of sensitive resources has been one of the driving factors in designing the proposed Project, and the currently proposed alignment represents an alternative that reduces impacts to the furthest extent practicable, while still meeting the purpose and need of the Project. Spire has utilized mitigation banking programs in IL for compensatory mitigation to forested and scrub-shrub wetland impacts. Further avoidance and minimization includes the placement of timber mats for equipment crossings of streams and wetlands, and the Limit of Disturbance ("LOD") width will be generally narrowed to a 75-foot width at the majority of the resource crossings.

Streams and Wetlands

Fieldwork associated with stream and wetland investigations for the Project was conducted between September 2016 and January 2018. The surveys identified streams and wetlands within a approximately 300-foot wide corridor centered on the proposed pipeline, and a 50-foot wide corridor surrounding the proposed access roads. Field investigations identified 71 wetlands, 176 waterbodies, and 8 ponds within the current Project study area. These features are outlined in the previously submitted Addendum III to the Wetland Delineation and Stream Identification Report.

Closing

Spire and GAI thank you in advance for your review of this NWP 12 JPA Addendum. Please feel free to contact me at 330-415-8364, or at t.wheaton@gaiconsultants.com if there are any questions or concerns.

Sincerely,

GAI Consultants, Inc.



Todd Wheaton
Assistant Environmental Technical Leader

Attachments: Addendum IV to Nationwide Permit 12 Joint Permit Application

CC: Illinois Environmental Protection Agency, U.S. Army Corps of Engineers, St. Louis District

Ali Trunzo

From: Ferry, Lori M <lmferry@burnsmcd.com>
Sent: Friday, March 23, 2018 12:11 PM
To: Skufca, Jenny
Cc: Douglas Sipe; Ali Trunzo
Subject: Spire STL Pipeline-Revised Conservation Plan
Attachments: 2018-03-21_Spire STL_INDR Conservation Plan.docx

Hi Jenny,

Happy Friday! You should be receiving a separate email from me with attachments for the revised Conservation Plan and public notice based on your comments received 2/9/2018. A letter describing all of the changes made to the document in response to your comments and our recent discussions is also included.

To aid in your review, I have attached a Word version of the document that contains the track changes. Please note that there are a few highlighted dates in the document that we will have to update prior to public notice once our FERC Certificate is received and we have a better handle on when we think we can start construction.

Should you have any further questions, please do not hesitate to contact me.

Thank you,
Lori

Lori Ferry \ Burns & McDonnell
Department Manager \ Environmental Services
o 630-724-3337 \ m 630-605-5255
lmferry@burnsmcd.com \ burnsmcd.com
1431 Opus Place Suite 400 \ Downers Grove, IL 60515

telephone log



gai consultants

Date: February 13, 2018

Project / Admin. No.: E160438.00

Call From: Lori Ferry

Company: Burns & McDonnell

Phone No.: 630-724-3337

Call To: Jenny Skufca

Company: Illinois Department of Natural Resources (IDNR)

Phone No.: 217-557-8243

Subject: Comments to the Conservation Plan

cc:

Summary of Discussion, Decisions, and Commitments:

I spoke with Jenny today regarding some questions on the Conservation Plan.

1. We can change the post construction monitoring to match the BO (post construction years 2 and 7)
2. We can update the Conservation Plan to state that the IDNR agreed that Spire does not need to reconsult with them on bats if variances arise out of construction that affect the bat habitat of 1 acre or less; this will reference the USFWS Biological Opinion language too.
3. We can also make a point in the Conservation Plan that Spire is reviewing a potential reroute to go on the western side of the existing ammonia line. This will not be considered a substantive change and will not require additional public comment (she will make the same note in the ITA itself). We will show her the reroute if and when Spire makes the decision to go on the western side.
4. Newspaper issue is getting worked out. We may have to do four publishings because of their new internal rule about the 14 days.

Ali Trunzo

From: Skufca, Jenny <Jenny.Skufca@Illinois.gov>
Sent: Friday, February 09, 2018 5:23 PM
To: Ferry, Lori M
Cc: Douglas Sipe; Ali Trunzo
Subject: RE: Spire STL Pipeline-Conservation Plan
Attachments: 17_Ill_Adm_Code_1080.pdf

Lori,

Thank you for the revised Conservation Plan. Comments follow:

1. Page 2, paragraph 3, timber rattlesnake was also included in the EcoCAT results for Jersey County. Unless there is a reason the species was not included in the list, please revise.
2. Regarding Comment #3 below, the alignment sheets on the FERC website are informative. However, the process required to reach them will be burdensome to the public. Can the applicant find a way to make the sheets more readily available with file names labeled such that residents don't have to look through all files to locate their county? Please include one plan view of the entire alignment where the public could locate a plan sheet number that they may have interest in, and they would then have the ability to readily find it. Multiple Department staff have attempted to find specific locations along the alignment, and it requires opening a number of files. On at least one occasion, a message stating, "no data available for the specified search criteria" was received. The Department believes these alignment sheets might be the information the public seeks most in their review, and it's the hardest information to get to.
3. Please confirm that the proposed Spire STL Pipeline will occur on the east side of the NuStar Pipeline as previously discussed.
4. Page 16, last paragraph, and Figure 3, Attachment 1, the Department has determined that the specific den and sighting locations of timber rattlesnakes may not be shared with the public due to the risk of poaching. Please revise to reflect only the "potential timber rattlesnake habitat" or green-blue polygon already shown on the map. Thank you.
5. Regarding the draft Public Notice, in the second full paragraph describing the location, please add the total number of miles of pipeline construction covered under the Incidental Take Authorization request. In other words, the number of miles included in the "discrete sections of the Project alignment." In the next paragraph, under minimization, this reviewer's understanding is that not all waterbody and wetland crossings will include "workspace reduction"; please revise to say that the workspace reduction will occur at "some" crossings. Does "construction monitoring" mean biological monitoring at the construction site? If so, please include this descriptor. In the fourth full paragraph, please insert that the Conservation Plan may be viewed at the Department's website at <https://www.dnr.illinois.gov/conservation/NaturalHeritage/Pages/Incidental-Take-Authorizations.aspx> (#180). Please seek information about the newspapers' needs in advance of publication. The newspaper publications must all occur on the same first date, no less than 14 days may pass *between* first and last posting, and the local posting must occur three times in three consecutive weeks. Sounds silly, but it can be tricky, especially if any of the local papers are weekly distribution. The posting in the official State newspaper occurs only one time, but it must be concurrent (same date) with the first date of all other papers. See attached Administrative Code 1080.20(b) [attached].

Please let me know if I can provide further clarification on anything above. Thank you.

Jenny

Jenny Skufca
Incidental Take Authorization Coordinator

Ali Trunzo

From: Skufca, Jenny <Jenny.Skufca@Illinois.gov>
Sent: Wednesday, February 07, 2018 1:34 PM
To: Ferry, Lori M
Cc: Ali Trunzo
Subject: RE: Spire STL Pipeline Project-USFWS Consultation

Lori,

I appreciate your contact. Yes, Kristen forwarded the BO. The Department has not been cleared to release comments yet. Since mitigation is proposed in the Conservation Plan, we can move forward allowing any specific details related to the recipient fund to be revised or worked out during the public comment period. I fully expect that you will receive comments prior to close of week. Thank you.

Jenny

Jenny Skufca
Incidental Take Authorization Coordinator
Illinois Department of Natural Resources
One Natural Resources Way
Springfield, IL 62702
(217)557-8243

From: Ferry, Lori M [mailto:lmferry@burnsmcd.com]
Sent: Tuesday, February 06, 2018 8:34 PM
To: Skufca, Jenny <Jenny.Skufca@Illinois.gov>
Cc: Ali Trunzo <A.Trunzo@gaiconsultants.com>
Subject: [External] Spire STL Pipeline Project-USFWS Consultation

Hi Jenny
Hope you are having a great week!

I believe you were already CC'd on a copy of the USFWS's Biological Opinion (issued February 2, 2018) for the construction and operation of the Spire STL Pipeline Project (Project), which addresses effects on Indiana bat. Just wanted to make sure this had made it your way.

Also wanted to check on any additional comments that you may have regarding the revised Conservation Plan. I understand Kristen has been communicating with you on our mitigation. Please know I will keep you informed if anything has been confirmed as a change to what was previously provided.

Thank you!

Lori Ferry

Lori Ferry \ Burns & McDonnell
Department Manager \ Environmental Services
o 630-724-3337 \ m 630-605-5255

lmferry@burnsmcd.com \ burnsmcd.com
1431 Opus Place Suite 400 \ Downers Grove, IL 60515

State of Illinois - CONFIDENTIALITY NOTICE: The information contained in this communication is confidential, may be attorney-client privileged or attorney work product, may constitute inside information or internal deliberative staff communication, and is intended only for the use of the addressee. Unauthorized use, disclosure or copying of this communication or any part thereof is strictly prohibited and may be unlawful. If you have received this communication in error, please notify the sender immediately by return e-mail and destroy this communication and all copies thereof, including all attachments. Receipt by an unintended recipient does not waive attorney-client privilege, attorney work product privilege, or any other exemption from disclosure.



Illinois Department of Natural Resources

One Natural Resources Way Springfield, Illinois 62702-1271
www.dnr.illinois.gov

Bruce Rauner, Governor

Wayne A. Rosenthal, Director

February 8, 2017

Lori Ferry
1444 Farnsworth Avenue, Ste 303
Aurora, IL 60505

RE: Spire STL Pipeline
Project Number(s): 1705487 USACE Consultation Request
Counties: Greene, Jersey

Dear Ms. Ferry:

This letter is in reference to the above-mentioned project involving installation of approximately 59 miles of pipeline to supply and secure additional supplies of natural gas to the St. Louis Metropolitan area.

The natural resource review identified protected resources in the vicinity of the proposed action. The resources include the Chautauqua Prairie and Principia Hill Prairies West INAI Sites, the Principia Hill Prairies-West Natural Heritage Landmark, timber rattlesnake (*Crotalus horridus*), Indiana bat (*Myotis sodalis*), northern long-eared bat (*Myotis septentrionalis*) black sandshell (*Ligumia recta*), butterfly (*Ellipsaria lineolata*), ebonyshell (*Fusconia ebena*), great plains rat snake (*Pantherophis emoryi*), and large ground plum (*Astragalus crassicaarpus var. trichocalyx*).

The project proponent has initiated the Incidental Take Authorization (ITA) process with the Department for the Indiana bat, northern long-eared bat, and timber rattlesnake. The Department recommends the applicant continue the ITA process until the authorization to take state-listed species is completed.

Given this recommendation is adopted; the Department has no objections to the issuance of a U.S. Army Corps of Engineers permit.

Please note that this review by the IDNR, Impact Assessment Section does not preclude permit decisions made by the IDNR Office of Water Resources under the Illinois Rivers, Lakes, and Streams Act.

Please contact me if you have any questions regarding this review.

A handwritten signature in black ink, appearing to read "Adam Rawe", is centered on the page.

Adam Rawe
Resource Planner
Impact Assessment Section
Division of Ecosystems and Environment
adam.rawe@illinois.gov
(217) 785-4991

Ali Trunzo

From: Ferry, Lori M <lmferry@burnsmcd.com>
Sent: Thursday, February 08, 2018 5:25 PM
To: Ali Trunzo
Subject: FW: EcoCAT 1705487 Spire StL Pipeline USACE Consultation Request
Attachments: EcoCAT 1705487. USACE. Spire STL Pipeline. Letter.pdf

From: Rawe, Adam [mailto:Adam.Rawe@illinois.gov]
Sent: Thursday, February 8, 2018 2:20 PM
To: Ferry, Lori M <lmferry@burnsmcd.com>
Subject: EcoCAT 1705487 Spire StL Pipeline USACE Consultation Request

Ms. Ferry,

The termination of consultation letter is attached for your consultation submitted as a review for the USACE.

Per our phone discussion today, you also have an outstanding consultation request in for the IEPA and it is assigned to Keith Shank. Keith acknowledged the consultation is outstanding. If you do not receive a termination of consultation notice for this request and are in receipt of your pending ITA, please let me know.

Thank you

Adam Rawe
Resource Planner
Impact Assessment Section
Illinois Department of Natural Resources
One Natural Resources Way
Springfield, IL 62702
(217)785-4991
Fax: (217) 524-4177
adam.rawe@illinois.gov

State of Illinois - CONFIDENTIALITY NOTICE: The information contained in this communication is confidential, may be attorney-client privileged or attorney work product, may constitute inside information or internal deliberative staff communication, and is intended only for the use of the addressee. Unauthorized use, disclosure or copying of this communication or any part thereof is strictly prohibited and may be unlawful. If you have received this communication in error, please notify the sender immediately by return e-mail and destroy this communication and all copies thereof, including all attachments. Receipt by an unintended recipient does not waive attorney-client privilege, attorney work product privilege, or any other exemption from disclosure.

Ali Trunzo

From: Ferry, Lori M <lmferry@burnsmcd.com>
Sent: Thursday, February 08, 2018 2:24 PM
To: Rawe, Adam
Cc: Ali Trunzo
Subject: RE: IDNR EcoCAT consultation request No 1705487
Attachments: 2017-10-26_USFWS_Clearance Letter.pdf; 2018-02-02_USFWS_Final BO.PDF

Hi Adam
Thanks for the call this afternoon.

We are currently working with Jenny on Indiana bat, Northern long-eared bat and Timber Rattlesnake.

FERC entered into formal consultation with the USFWS regarding Indiana bat. A Biological Opinion for the Project was just issued on February 2, 2018 and is attached. Northern Long Eared bat was covered under the federal 4(d) Ruling and programmatic biological opinion for northern long-eared bat, which does not prohibit incidental take of the species that may occur as a result of this Project. A clearance letter for this species is also contained in the attached.

Please let me know if you have any other questions!

Thanks,
Lori

From: Rawe, Adam [mailto:Adam.Rawe@illinois.gov]
Sent: Thursday, February 8, 2018 11:34 AM
To: Ferry, Lori M <lmferry@burnsmcd.com>
Subject: RE: IDNR EcoCAT consultation request No 1705487

Lori,

The consultation I have is for the USACE. I am going to process a termination letter and reference your ongoing coordination with the Department to obtain ITA coverage as necessary.

What species will be involved in the ITA? I will mention them in the USACE consultation termination letter and get that out today. This way, you have documentation if required for obtaining permit(s) from the Corps.

If you still would like to discuss the project, feel free to give me a call.

Thanks
Adam

From: Ferry, Lori M [<mailto:lmferry@burnsmcd.com>]
Sent: Wednesday, February 07, 2018 4:35 PM
To: Rawe, Adam <Adam.Rawe@illinois.gov>
Cc: Ali Trunzo <A.Trunzo@gaiconsultants.com>; Robin Weissert <R.Weissert@gaiconsultants.com>
Subject: [External] IDNR EcoCAT consultation request No 1705487

Hi Adam,

We received the following email regarding the Spire STL Pipeline Project. I left you a voicemail to discuss further but in the interim I wanted to you to know that Spire has been in coordination with Jenny Skufca (Incidental Take Authorization Coordinator), Keith Shank (Impact Assessment Section), Pat Malone (who has since retired since the inception of our Project) and Tara Kieninger (Heritage Database Program Manager), among others, regarding potential impacts to rare, threatened and endangered species that may result from the Spire STL Pipeline Project. Spire has applied for Incidental Take Authorization where needed and will continue to coordinate with IDNR. A letter from the IDNR was never received on our EcoCat consultation but I assume the follow up correspondences should be considered complete at this time and after the issuance of our ITA.

Please let me know if you have some time tomorrow to discuss.

Thanks!
Lori

From: Rawe, Adam [<mailto:Adam.Rawe@illinois.gov>]
Sent: Tuesday, February 06, 2018 2:33 PM
To: Brandon Kish <B.Kish@gaiconsultants.com>
Subject: FW: IDNR EcoCAT consultation request No 1705487

Please see the email below originally sent to Ms. Ferry. I am attempting to verify if your firm still needs an IDNR EcoCAT consultation request processed.

Thank you
Adam

From: Rawe, Adam
Sent: Tuesday, February 06, 2018 1:28 PM
To: 'l.ferry@gaiconsultants.com' <l.ferry@gaiconsultants.com>
Subject: IDNR EcoCAT consultation request No 1705487

Ms. Ferry,

I am looking into outstanding EcoCAT consultation requests and came across **No 1705487** for the **Spire STL Pipeline**, submitted as a review for the USACE. Is this a consultation you still require? Please let me know and I will process this request.

Thank you

Adam Rawe
Resource Planner
Impact Assessment Section
Illinois Department of Natural Resources
One Natural Resources Way
Springfield, IL 62702
(217)785-4991
Fax: (217) 524-4177
adam.rawe@illinois.gov

attorney-client privileged or attorney work product, may constitute inside information or internal deliberative staff communication, and is intended only for the use of the addressee. Unauthorized use, disclosure or copying of this communication or any part thereof is strictly prohibited and may be unlawful. If you have received this communication in error, please notify the sender immediately by return e-mail and destroy this communication and all copies thereof, including all attachments. Receipt by an unintended recipient does not waive attorney-client privilege, attorney work product privilege, or any other exemption from disclosure.



Illinois Department of Natural Resources

One Natural Resources Way Springfield, Illinois 62702-1271
www.dnr.illinois.gov

Bruce Rauner, Governor
Wayne A. Rosenthal, Director

January 25, 2018

SUBJECT: Addendum III to Application for Permit No. S20170009
Pipeline Project
Mississippi River, Macoupin Creek, Apple Creek, Otter Creek
Scott County, Greene County, and Jersey County

Spire STL Pipeline LLC
700 Market Street
St. Louis, Missouri 63101

Gentlemen:

Thank you for your letter dated December 15, 2017 informing us of changes made to your second addendum, first addendum, and January 24, 2017 application for an Illinois Department of Natural Resources, Office of Water Resources (IDNR/OWR) permit to construct a pipeline in Scott County, Greene County, and Jersey County.

From our review of the submitted information, it was found that portions of the project are located within the floodplains of IDNR/OWR jurisdictional waterways. These jurisdictional waterways have drainage areas greater than one square mile in an urban area, or ten square miles in a rural area.

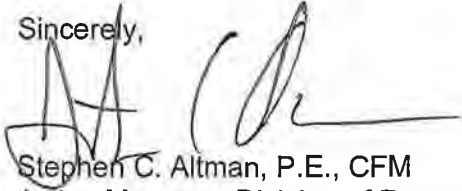
It appears the proposed project would be allowable under IDNR/OWR Statewide Permit Nos. 6, 8, and 13 (view at <https://www.dnr.illinois.gov/WaterResources/Pages/PermitsStatewideRegionalGeneral.aspx>). Please review these statewide permits to confirm whether your work will meet the terms and conditions of the permits. If any current aspects of the proposed project or further changes are made to the proposed project related to IDNR/OWR's jurisdiction and do not meet the special conditions of the statewide permits, **please submit only information or documents related to the specific location or portion of the project not meeting the special conditions, and we will continue with the formal permit process.** If the proposed project meets the special conditions of the statewide permits, no further IDNR/OWR authorization is required.

This permit does not supersede any other federal, state or local authorizations that may be required for the project.

Spire STL Pipeline LLC
January 25, 2018
Page 2

Please feel free to contact Jesse Tinch at 217/782-4545 if you have any questions or comments concerning this matter.

Sincerely,



Stephen C. Altman, P.E., CFM
Acting Manager, Division of Resource Management

SCA:JST:cjp

Enclosure

cc: GAI Consultants, Inc. (Jayme Fuller) ✓
GAI Consultants, Inc. (Todd Wheaton)
Scott County Assessment Office (Lorrie Koch)
Greene County Supervisor of Assessments (Jill Waldheuser)
Jersey County Code Administrator (Cindy Cregmiles)
IEPA, Div. of Water Pollution Control, Permit Section
USACE, St. Louis District (Regulatory Branch)

Ali Trunzo

From: Ferry, Lori M <lmferry@burnsmcd.com>
Sent: Thursday, January 18, 2018 3:00 PM
To: Ali Trunzo
Subject: FW: Spire STL Pipeline

From: Skufca, Jenny [mailto:Jenny.Skufca@Illinois.gov]
Sent: Thursday, January 18, 2018 12:43 PM
To: Ferry, Lori M <lmferry@burnsmcd.com>
Subject: RE: Spire STL Pipeline

Hi Lori,

I was able to download the file. I learned today that a package for me was delivered to the Historic Preservation Agency, so I'm guessing that is the hard copy. Thank you for the draft Public Notice. I will likely have further comments or questions, but there are a couple of other Conservation Plans ahead of yours in review. Has the USFWS Biological Opinion been issued? Thanks for your contact.

Jenny

Jenny Skufca
Incidental Take Authorization Coordinator
Illinois Department of Natural Resources
One Natural Resources Way
Springfield, IL 62702
(217)557-8243

From: Ferry, Lori M [mailto:lmferry@burnsmcd.com]
Sent: Wednesday, January 17, 2018 4:39 PM
To: Skufca, Jenny <Jenny.Skufca@Illinois.gov>
Subject: [External] Spire STL Pipeline

Hi Jenny
Hope you are well!

Just checking in to see that you received our revised Conservation Plan last week on January 12, 2018 and were able to download the file alright.

For your convenience, I've also attached a draft of our Public Notice for your review. We are anticipating the FERC Certificate at any time so just thought I'd get this to you so you had it.

Please let us know if there is any further comments or if we can help answer any additional questions.

Thank you,

Lori

Lori Ferry \ Burns & McDonnell
Department Manager \ Environmental Services
o 630-724-3337 \ m 630-605-5255
lferry@burnsmcd.com \ burnsmcd.com
1431 Opus Place Suite 400 \ Downers Grove, IL 60515

State of Illinois - CONFIDENTIALITY NOTICE: The information contained in this communication is confidential, may be attorney-client privileged or attorney work product, may constitute inside information or internal deliberative staff communication, and is intended only for the use of the addressee. Unauthorized use, disclosure or copying of this communication or any part thereof is strictly prohibited and may be unlawful. If you have received this communication in error, please notify the sender immediately by return e-mail and destroy this communication and all copies thereof, including all attachments. Receipt by an unintended recipient does not waive attorney-client privilege, attorney work product privilege, or any other exemption from disclosure.

Ali Trunzo

From: lmferry@burnsmcd.com
Sent: Friday, January 12, 2018 3:19 PM
To: jenny.skufca@illinois.gov
Cc: Ali Trunzo
Subject: Spire STL Pipeline-Revised Conservation Plan

You have received 2 secure files from lmferry@burnsmcd.com.

Use the secure links below to download.

Mrs. Skufca,

Please find the links below to download the revised Conservation Plan prepared on behalf of Spire STL Pipeline LLC for the construction and operation of the STL Pipeline Project. We have also included a letter outlining our responses to your comments received on December 15, 2017.

A hardcopy of this Conservation Plan will be arriving in your office on Monday, January 15, 2018.

Should you have any issues downloading these materials or have further questions on the Project, please do not hesitate to contact me.

Thank you!
Lori Ferry

Secure File Downloads:

Available until: **26 January 2018**

Click links to download:

[2018-01-12 Spire STL IDNR Comment Response Ltr.pdf](#)

332.14 KB

[2018-01-12 Spire STL INDR Conservation Plan r.pdf](#)

16.51 MB

You have received attachment link(s) within this email sent via Burns & McDonnell Secure File Transfer. To retrieve the attachment(s), please click on the link(s). If you are a new user you will be required to create an account in order to download the attachment(s).

Secured by [Accellion](#)

Ali Trunzo

Subject: FW: Renewal of NHD Data License Agreement
Attachments: Data License Agreement_dec2017.pdf

From: Ali Trunzo
Sent: Tuesday, January 02, 2018 9:39 AM
To: 'Kieninger, Tara' <Tara.Kieninger@Illinois.gov>
Cc: Lori M Ferry (lmferry@burnsmcd.com) <lmferry@burnsmcd.com>; Robin Weissert <R.Weissert@gaiconsultants.com>
Subject: RE: Renewal of NHD Data License Agreement

Hi Tara,

Please see the attached signed version, and let us know if there is anything you need for us on data delivery.

Happy New Year!

Ali

Ali Trunzo

From: Kieninger, Tara <Tara.Kieninger@Illinois.gov>
Sent: Wednesday, December 27, 2017 10:23 AM
To: Ali Trunzo
Subject: RE: Renewal of NHD Data License Agreement

Hi Ali,

That change is acceptable with us. Happy holidays!

Tara

From: Ali Trunzo [mailto:A.Trunzo@gaiconsultants.com]
Sent: Friday, December 22, 2017 8:40 AM
To: Kieninger, Tara <Tara.Kieninger@Illinois.gov>
Cc: Lori M Ferry (lmferry@burnsmcd.com) <lmferry@burnsmcd.com>; Robin Weissert <R.Weissert@gaiconsultants.com>
Subject: [External] RE: Renewal of NHD Data License Agreement

Tara,

We've been working this through legal review and signatures, but unfortunately we've had some key folks with limited availability leading up to the holidays.

Our legal reviewer has one suggested condition to add to the agreement, shown in the attached. Is IDNR able to accept this?

We expect to have the signed version after the holiday. Thank you for your patience on this.

Happy holidays,

Ali

From: Kieninger, Tara [mailto:Tara.Kieninger@Illinois.gov]
Sent: Wednesday, December 13, 2017 2:53 PM
To: Ali Trunzo <A.Trunzo@gaiconsultants.com>
Subject: RE: Renewal of NHD Data License Agreement

Dear Ali,

I have attached the updated Data License Agreement. Please return the completed form back to me via fax or email so that I can send you the data. There will be no charge for the data as there likely have not been many changes since we sent data to you last year.

Tara Kieninger

Heritage Database Program Manager
Illinois Dept of Natural Resources - ORC
One Natural Resources Way

Springfield, IL 62711
(217)782-2685 (phone) / (217)785-2438 (fax)
[tara.kieninger@illinois.gov](mailto: tara.kieninger@illinois.gov)

From: Ali Trunzo [<mailto:A.Trunzo@gaiconsultants.com>]
Sent: Friday, December 08, 2017 9:02 AM
To: Kieninger, Tara <Tara.Kieninger@Illinois.gov>
Cc: Robin Weissert <R.Weissert@gaiconsultants.com>; Lori M Ferry (lmferry@burnsmcd.com) <lmferry@burnsmcd.com>
Subject: [External] Renewal of NHD Data License Agreement

Tara,

Last December, IDNR provided Natural Heritage Database data for planning purposes for the proposed Spire STL Pipeline Project, located in Scott, Greene, and Jersey Counties. Per the terms of the agreement, we would like to arrange for license renewal and data update.

A copy of the existing agreement is attached. What information or fees are required to renew the data agreement?

Thank you,

Ali

Alessandra M. Trunzo
Project Environmental Specialist

385 E. Waterfront Drive, Homestead, PA 15120-5005

Direct 412.399.5096 **Office** 412.476.2000 **Email** a.trunzo@gaiconsultants.com

Connect with GAI | [Facebook](#) | [LinkedIn](#) | [Twitter](#) | [YouTube](#) | [News & Insights](#)



GAI Consultants provides local expertise to worldwide clients in the energy, transportation, development, government, and industrial markets.

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

State of Illinois - CONFIDENTIALITY NOTICE: The information contained in this communication is confidential, may be attorney-client privileged or attorney work product, may constitute inside information or internal deliberative staff communication, and is intended only for the use of the addressee. Unauthorized use, disclosure or copying of this communication or any part thereof is strictly prohibited and may be unlawful. If you have received this communication in error, please notify the sender immediately by return e-mail and destroy this communication and all copies thereof, including all attachments. Receipt by an unintended recipient does not waive attorney-client privilege, attorney work product privilege, or any other exemption from disclosure.



Indianapolis Office
6420 Castleway West Drive
Indianapolis, IN 46250

T 317.570.6800
F 317.570.6810

December 15, 2017

Project E160438.00

Mr. Steve Altman
Illinois Department of Natural Resources
Office of Water Resources
Downstate Regulatory Programs Section
One Natural Resource Way
Springfield, IL 62702

**Addendum III to Nationwide Permit 12 Joint Permit Application
Spire STL Pipeline LLC
Spire STL Pipeline Project (MVS-2016-582)
Scott, Greene, and Jersey Counties, Illinois, and St. Charles and St. Louis Counties, Missouri**

Dear Mr. Altman:

On behalf of Spire STL Pipeline LLC ("Spire"), GAI Consultants, Inc. ("GAI") submitted a Nationwide Permit 12 Joint Permit Application ("JPA") and Section 10 letter of permission request for the Spire STL Pipeline Project ("Project"), located in Scott, Greene, and Jersey Counties, Illinois ("IL"), and St. Charles and St. Louis Counties, Missouri ("MO") to your office on January 27, 2017. An Addendum to the PCN was submitted to your office on April 21, 2017, and a second Addendum on July 14, 2017. Due to minor changes in the Project alignment, and obtaining additional survey permission, GAI has prepared this Addendum to the previously submitted PCN and Section 10 Letter of Permission.

The revised Project will consist of approximately 65 miles of new 24-inch-diameter steel pipeline in two segments. The first segment (referred to as the "24-inch pipeline" portion of the Project) will originate at a new interconnect with the Rockies Express Pipeline LLC ("REX") pipeline in Scott County, Illinois and extend approximately 59 miles through Greene and Jersey Counties in Illinois before crossing the Mississippi River and extending east through St. Charles County, Missouri. The 24-inch pipeline then crosses the Missouri River into St. Louis County, Missouri, and terminates at a new interconnect with Laclede Gas Company ("LGC"). The second segment of pipeline (referred to as the "North County Extension"), will consist of a new 24-inch-diameter steel pipeline which will extend approximately six miles from the LGC interconnect through the northern portion of St. Louis County and terminate at a new interconnect with Enable Mississippi River Transmission, LLC ("Enable MRT") and LGC. The total length of the Project pipeline will be approximately 65 miles. The Project also includes the construction of three new metering and regulating ("M&R") stations that provide interconnects with (1) REX in Illinois, (2) LGC in Missouri, and (3) Enable MRT and LGC in Missouri. This Project, as proposed, falls under the oversight of the Federal Energy Regulatory Commission ("FERC").

GAI, on behalf of Spire, is hereby submitting for review a hard copy and an electronic copy of the Project's Nationwide Permit ("NWP") 12 JPA Addendum III. This package has been prepared based on the Project adhering to the general and regional conditions of a NWP-12 and Section 401 Water Quality Certification ("WQC") General and Specific Conditions within the State of Illinois. A copy of this JPA Addendum has also been provided to the Illinois Environmental Protection Agency and the U.S. Army Corps of Engineers, St. Louis District concurrently with this submittal for their confirmation of General Section 401 coverage.

United States Fish and Wildlife Service ("USFWS") consultation was initiated on August 29, 2016 and an initial response was received on December 8, 2016. Subsequent communication with USFWS determined the Project is within range of the decurrent false aster (*Boltonia decurrens*), and surveys were conducted for this species in July and August 2017. A survey report was submitted to USFWS on August 31, 2017 and a response was received on October 26, 2017.

Correspondence with the Illinois Historic Preservation Agency ("IHPA") and the Missouri State Historic Preservation Agency ("MO SHPO") has been ongoing. Additional areas in IL and MO were surveyed during the month of November, however concurrence from each SHPO is still outstanding for portions of the northern workspaces for the Mississippi River drill and portions of the Missouri River drill. Additional responses from these agencies will be

provided once received in the anticipation that this permit application's review can be initiated and completed without those documents in hand. Agency correspondence is included as Attachment B in the attached PCN addendum.

Nationwide Permit (NWP) 12 and Section 10 Letter of Permission Request

As currently proposed, temporary impacts to 63 streams and 32 wetlands will be necessary to construct the Project. Impacted streams and wetlands will be crossed using the dry-ditch open-cut method. A dam and flume method of dewatering is installed to create a dry work area, the trenches are dug, the pipeline is placed, and the trench is then refilled and the work area reclaimed. Additionally, temporary crossings of 22 streams and 10 wetlands located within the Project workspace and along associated access roads will be required during construction of the Project. Other aquatic resources, including the Mississippi River, will be crossed using a Horizontal Directional Drill ("HDD") method. This method involves boring a tunnel beneath the aquatic resources through which the pipeline will be pulled and installed. No physical impacts to the aquatic resources are anticipated to occur with this construction method. Detailed information regarding these impacts can be found in Tables 1 and 2 in the attached PCN Addendum.

Avoiding stream and wetland impacts has been one of the driving factors in designing the proposed Project, and the currently proposed alignment represents an alternative that reduces stream and wetland impacts to the furthest extent practicable, while still meeting the purpose and need of the Project. Spire has reserved and is in the process of purchasing compensatory mitigation credits for impacts to forested and scrub-shrub wetlands. Further avoidance and minimization includes the placement of timber mats for equipment crossings of streams and wetlands, and the Limit of Disturbance ("LOD") width will be generally narrowed to a 75-foot width at the majority of the resource crossings.

Streams and Wetlands

Fieldwork associated with stream and wetland investigations for the Project was conducted between September 2016 and November 2017. The surveys identified streams and wetlands within a approximately 300-foot wide corridor centered on the proposed pipeline, and a 50-foot wide corridor surrounding the proposed access roads. Field investigations identified 71 wetlands, 175 waterbodies, and 8 ponds within the current Project study area. These features are outlined in the Addendum III to the Wetland Delineation and Stream Identification Report, included in the attached JPA Addendum. Approximately 0.5-mile of the 24-inch pipeline remains unsurveyed due to property access constraints. Desktop identified aquatic resources have been included in these areas to supplement the stream and wetland delineation field efforts. No additional resources are anticipated based on desktop review of the unsurveyed portion of the Project.

Closing

Spire and GAI thank you in advance for your review of this NWP-12 JPA Addendum. Please feel free to contact me at 330-415-8364, or at t.wheaton@gaiconsultants.com if there are any questions or concerns.

Sincerely,

GAI Consultants, Inc.



Todd Wheaton
Assistant Environmental Technical Leader

Attachments: Addendum III to Nationwide Permit 12 Joint Permit Application

CC: Illinois Environmental Protection Agency, U.S. Army Corps of Engineers, St. Louis District

Ali Trunzo

From: Skufca, Jenny <Jenny.Skufca@Illinois.gov>
Sent: Monday, December 18, 2017 5:53 PM
To: Ferry, Lori M
Cc: Douglas Sipe; Ali Trunzo
Subject: RE: Spire STL Pipeline-Conservation Plan

Thursday looks good. Thanks.

Jenny

From: Ferry, Lori M [mailto:lmferry@burnsmcd.com]
Sent: Monday, December 18, 2017 4:52 PM
To: Skufca, Jenny <Jenny.Skufca@Illinois.gov>
Cc: Douglas Sipe <dsipe@mdmcorp.com>; Ali Trunzo <A.Trunzo@gaiconsultants.com>
Subject: [External] Re: Spire STL Pipeline-Conservation Plan

Great Jenny, thanks!

How would Thursday work for you? We can be available any time Wednesday afternoon, all day Thursday or all day Friday.

I'll be happy to set up a conference call any time you've got open!

Thank you
Lori

On Dec 18, 2017, at 10:15 AM, Skufca, Jenny <Jenny.Skufca@Illinois.gov> wrote:

Lori,

Unfortunately, I am in the final negotiation stages with multiple applicants who applied for ITA in the summer. I am unavailable this afternoon for a meeting. I'd be happy to participate in a call later in the week. Wednesday is booked, but I can rearrange the other days to accommodate your schedules. Thank you.

Jenny

From: Ferry, Lori M [mailto:lmferry@burnsmcd.com]
Sent: Monday, December 18, 2017 9:05 AM
To: Skufca, Jenny <Jenny.Skufca@Illinois.gov>
Cc: Douglas Sipe <dsipe@mdmcorp.com>; Ali Trunzo <A.Trunzo@gaiconsultants.com>
Subject: [External] RE: Spire STL Pipeline-Conservation Plan

Hi Jenny,

We do have a couple of questions on the comments to clarify with you. Not knowing your holiday schedule, when would be the best time to set up a call to go through these with you this week? Also, we will be down in Springfield today meeting with the IHPA if today happens to work with your schedule this afternoon. I expect our meeting will end around 3pm.

Thanks much!
Lori

From: Skufca, Jenny [<mailto:Jenny.Skufca@Illinois.gov>]
Sent: Friday, December 15, 2017 2:52 PM
To: Ferry, Lori M <lmferry@burnsmcd.com>
Cc: Douglas Sipe <dsipe@mdmcorp.com>; Ali Trunzo <A.Trunzo@gaiconsultants.com>
Subject: RE: Spire STL Pipeline-Conservation Plan

Lori,

Thank you for the provision of a Conservation Plan as application for an Incidental Take Authorization for the potential taking of the Indiana bat, northern long-eared bat, and timber rattlesnake during the construction of the Spire STL Pipeline. Comments follow:

1. Pursuant to the Department's regulations under the Illinois Endangered Species Act, 17 Ill. Adm. Code 1080.10(a)(1)(A), Spire is required to provide a "legal description, if available, or detailed description including street address and map of the area to be affected by the proposed action and indicia of ownership or control of affected property." The Department acknowledges receipt of copies of recorded easements for 10 of the 88 parcels with identified bat habitats, and that Spire has represented it is close to securing and/or recording easements for an additional 20 parcels. As to the remaining parcels of affected property, the Department understands that Spire presently intends to rely on certificates of public convenience and necessity (the "Certificate") for which Spire has applied to the Federal Energy Regulation Commission ("FERC") pursuant to Section 7(c) of the Natural Gas Act (see Conservation Plan Page 4).

The Department understands that the FERC will not be in a position to vote on whether to issue the Certificate to Spire before its January meeting, at the earliest. Until Spire provides the Department with a copy of the Certificate or copies of additional easements covering the remaining affected parcels, the Department is unable to evaluate whether Spire's conservation plan fully satisfies 17 Ill. Adm. Code 1080.10(a)(1)(A). The Department requests that Spire apprise the Department regarding further developments concerning issuance of the FERC Certificate or Spire's acquisition of additional easements.

To the extent that Spire relies on the Certificate as its indicia of ownership or control of any parcels of affected property, rather than an agreed easement, the Department reserves the right to impose additional terms and conditions as part of the Department's final review of the Conservation Plan pursuant to 17 Ill. Adm. Code 1080.40. For example, subject to the Department's review of the Certificate, obtaining the Certificate likely would constitute an indicia of ownership or control such that the Conservation Plan may be considered complete as to that issue. That said, the Department will not authorize Spire to undertake any activities on an affected property unless and until Spire has a legal right to enter that property, such as pursuant to an agreed easement or a court order in an eminent domain proceeding

2. Per the Illinois Endangered Species Protection Act (520 ILCS 10/3), it is unlawful "...to take plants on the Illinois List without the express written permission of the landowner..." In those areas along the alignment where listed plants may exist, the Department advises that Spire include language considering the potential risk of taking listed plants within the respective landowner easement agreement.

3. Page 17, under Clearing and Grading, please cite where in the document the public (and other reviewers) can view the "...Project construction alignment sheets..." mentioned in second line of second paragraph.
4. Page 18 and Attachment 6 - The Department appreciates the inclusion of the Blasting Plan within the Conservation Plan. On Page 1 of the Plan, it states that IDNR would be contacted prior to commencement for coordination. Who in IDNR would be contacted? This does not require amending the Blasting Plan. For purposes of the Department's internal review meetings related to this proposed project, I am interested in who in the Office of Mines and Minerals you will be working with. Thank you.
5. Pages 25 and 26 present three tables containing impact acreages for potential habitat. Together for the three species, the total comes to 40.3 acres. The amount of potential habitat impacted as identified on Page 1 is 30.4 acres. This reviewer assumes that there must be some habitat overlap among species. Please describe that calculation in this section. This Amount of Affected Habitat acreage total should match the initial estimate or, rather, an explanation should be provided as to why it does not match.
6. Page 29, under Timber Rattlesnake, please describe how the estimated population number of 100 individuals was derived.
7. Page 30, under Vegetation Maintenance, the first paragraph states that mowing will occur after August 1; and, further, that this corresponds with "...rattlesnake avoidance measures described in this Conservation Plan." To which measures are you referring and where in the Plan? As presented under Table 5 on Page 23 for other States, and as supported by Principia's data, timber rattlesnakes are out until October. Please clarify.
8. Page 34, last paragraph, under Protection of hibernacula; this sentence should read, "The closest known den..." Please be aware that gravid females, their young, and potentially snakes undergoing shed would be utilizing the bluff dens during summer. In addition, it's important to note that a single survey was conducted at West Farm and should not be considered conclusive in terms of the identification of "...closest den..." Therefore, although scheduling HDD from April 15 - October 31 may avoid disturbance to hibernating individuals, it cannot be presented as avoidance to gravid females, their young, and snakes undergoing shed. It can, however, be presented as minimization.
9. Page 35, under Blasting controls, please estimate the potential distance of vibration from ignition site. Please present within the Conservation Plan the established kill zone and impact zone (potential damage to hearing and internal organs) for rattlesnakes. Although a blasting restriction outside of the hibernation period should minimize potential take; gravid females, their young, and potentially snakes undergoing shed would be utilizing the bluff dens during summer. In addition, it's important to note that a single survey was conducted at West Farm and should not be construed as conclusive in terms of the identification of "...the nearest known den." Please address whether and how these realities were considered in the calculation of timber rattlesnake take numbers.
10. Page 35, under Vegetation Maintenance, this section is not consistent with #7 above. Please clarify within the Plan. What are the proposed mowing dates?
11. Page 36, top of page, please provide the Karst Mitigation Plan.
12. Page 36, Mitigation Measures, please provide the proposed easement language. Please provide the proposed management plan for the mitigation property, identify its duration, and value. Will a stewardship endowment be established and, if so, please value. Who will

hold fee title to the mitigation property? Have species surveys been conducted on the mitigation property to support presence of the species for which the take permit is sought? Is the applicant additionally considering a contribution to species research as mentioned in the October 4, 2017, meeting with the Department?

13. Page 37, Post-Construction Monitoring, this action is required by Illinois Administrative Code section 1080.60. The April 1 federal cut-off date for tree clearance is not a date certain for when bats arrive to an area. Warmer spring may translate to earlier emergence from hibernacula. If the applicant seeks take authorization for a species, the post-construction monitoring shall include that species. The Department does not concur with the monitoring contingency based on tree clearance dates. In addition, post-construction monitoring shall occur within the impact area, which the Department understands to be 90-foot-wide in upland areas and 75-foot-wide at wetlands or streams. The distinction, in this case, is small but all Conservation Plans are held to the same standard. Please amend your Plan to reflect this requirement rather than the 50-foot-wide permanent right-of-way. If there is an issue with using this survey area due to easement language and rights, please provide.
14. Page 36, typo "INDR" within second full sentence from top of page.
15. Page 48, in Notes under Table 16, please see #13 above.
16. Page 49, the Department notes Spire's general statement regarding federal preemption at the top of this page. Given the present status of the Conservation Plan as well as the facts presented to the Department, the statement is so vague and non-specific that any discussion of preemption is premature at this time.
17. Page 49, typo "INDR" in last sentence before Table 17.

If I have requested anything that the applicant believes is adequately covered already, please simply let me know. I'd be happy to discuss any of the comments above in more detail at your convenience. Thank you for your effort.

Jenny

Jenny Skufca
Incidental Take Authorization Coordinator
Illinois Department of Natural Resources
One Natural Resources Way
Springfield, IL 62702
(217)557-8243

From: Skufca, Jenny
Sent: Thursday, November 16, 2017 4:36 PM
To: 'Ferry, Lori M' <lmferry@burnsmcd.com>
Cc: Douglas Sipe <dsipe@mdmcorp.com>; Ali Trunzo <A.Trunzo@gaiconsultants.com>
Subject: RE: Spire STL Pipeline-Conservation Plan

Received.

Thanks,
Jenny

From: Ferry, Lori M [<mailto:lmferry@burnsmcd.com>]
Sent: Thursday, November 16, 2017 4:35 PM
To: Skufca, Jenny <Jenny.Skufca@Illinois.gov>
Cc: Douglas Sipe <dsipe@mdmcorp.com>; Ali Trunzo <A.Trunzo@gaiconsultants.com>
Subject: [External] RE: Spire STL Pipeline-Conservation Plan

Thank you Jenny. We uploaded the shapefiles this afternoon.

Thanks,
Lori

From: Skufca, Jenny [<mailto:Jenny.Skufca@Illinois.gov>]
Sent: Thursday, November 16, 2017 1:47 PM
To: Ferry, Lori M <lmferry@burnsmcd.com>
Cc: Douglas Sipe <dsipe@mdmcorp.com>; Ali Trunzo <A.Trunzo@gaiconsultants.com>
Subject: RE: Spire STL Pipeline-Conservation Plan

Lori,

Thank you for the provision of a Conservation Plan as application for an Incidental Take Authorization. The Department will provide comments on or before December 16, 2017.

The State server will not allow the zipped shapefiles to come through. Please place the folder on <https://filet.illinois.gov/filet/PIMupload.asp> . Thanks.

Jenny

Jenny Skufca
Incidental Take Authorization Coordinator
Illinois Department of Natural Resources
One Natural Resources Way
Springfield, IL 62702
(217)557-8243

From: Ferry, Lori M [<mailto:lmferry@burnsmcd.com>]
Sent: Thursday, November 16, 2017 11:30 AM
To: Skufca, Jenny <Jenny.Skufca@Illinois.gov>
Cc: Douglas Sipe <dsipe@mdmcorp.com>; Ali Trunzo <A.Trunzo@gaiconsultants.com>
Subject: [External] Spire STL Pipeline-Conservation Plan

Mrs. Skufca,

Please find the links below to download the Conservation Plan prepared on behalf of Spire STL Pipeline LLC for the construction and operation of the STL Pipeline Project. We have also included shapefiles of the route and construction limits.

A hardcopy of this Conservation Plan will be arriving in your office on Friday, November 17, 2017.

Should you have any issues downloading these materials or have further questions on the Project, please do not hesitate to contact me.

Thank you!

Lori Ferry

Lori Ferry \ Burns & McDonnell
Department Manager \ Environmental Services
o 630-724-3337 \ m 630-605-5255
lmferry@burnsmcd.com \ burnsmcd.com
1431 Opus Place Suite 400 \ Downers Grove, IL 60515

[View the transfer in Newforma Project Center](#)

Additional links:

[Download all associated files](#)

[Sign in to the GAI Consultants, Inc. Info Exchange site](#)

[Configure cloud storage delivery](#)

[Reply to All](#)

Project Name: E160438.00 - Spire - STL Pipeline Proj
Project Number: E160438.00

From: Ali Trunzo (GAI Consultants, Inc.)
To: Jenny.Skufca@Illinois.gov
CC: Ali Trunzo (GAI Consultants, Inc.); lmferry@burnsmcd.com; Robin Weissert (GAI Consultants, Inc.); Jason Duffey (GAI Consultants, Inc.)
Subject: 2017-11-16_Conservation Plan to IDNR
Sent via: Info Exchange
Expiration Date: 11/30/2017
Remarks: Conservation Plan
Spire STL Pipeline Project
Spire STL Pipeline LLC

Transferred Files

NAME	TYPE	DATE	TIME	SIZE
2017-11-16 Spire STL_INDR Conservation Plan.pdf	PDF File	11/16/2017	11:11 AM	37,557 KB
24 Inch Spire Pipeline LOD_IL_11142017.zip	Compressed (zipped) Folder	11/15/2017	3:53 PM	27 KB

State of Illinois - CONFIDENTIALITY NOTICE: The information contained in this communication is confidential, may be attorney-client privileged or attorney work product, may constitute inside information or internal deliberative staff communication, and is intended only for the use of the addressee. Unauthorized use, disclosure or copying of this communication or any part thereof is strictly prohibited and may be unlawful. If you have received this communication in error, please notify the sender immediately by return e-mail and destroy this communication and all copies thereof, including all attachments. Receipt by an unintended recipient does not waive attorney-client privilege, attorney work product privilege, or any other exemption from disclosure.

Ali Trunzo

From: Ferry, Lori M <lmferry@burnsmcd.com>
Sent: Thursday, November 16, 2017 12:30 PM
To: jenny.skufca@illinois.gov
Cc: Douglas Sipe; Ali Trunzo
Subject: Spire STL Pipeline-Conservation Plan
Attachments: 2017-11-16 Spire STL_Cover Letter-Conservation Plan.pdf

Mrs. Skufca,

Please find the links below to download the Conservation Plan prepared on behalf of Spire STL Pipeline LLC for the construction and operation of the STL Pipeline Project. We have also included shapefiles of the route and construction limits.

A hardcopy of this Conservation Plan will be arriving in your office on Friday, November 17, 2017.

Should you have any issues downloading these materials or have further questions on the Project, please do not hesitate to contact me.

Thank you!

Lori Ferry

Lori Ferry \ Burns & McDonnell
Department Manager \ Environmental Services
o 630-724-3337 \ m 630-605-5255
lmferry@burnsmcd.com \ burnsmcd.com
1431 Opus Place Suite 400 \ Downers Grove, IL 60515

[View the transfer in Newforma Project Center](#)

Additional links:

[Download all associated files](#)

[Sign in to the GAI Consultants, Inc. Info Exchange site](#)

[Configure cloud storage delivery](#)

[Reply to All](#)

Project Name: E160438.00 - Spire - STL Pipeline Proj
Project Number: E160438.00

From: Ali Trunzo (GAI Consultants, Inc.)

To: Jenny.Skufca@Illinois.gov
CC: Ali Trunzo (GAI Consultants, Inc.); lmferry@burnsmcd.com; Robin Weissert (GAI Consultants, Inc.); Jason Duffey (GAI Consultants, Inc.)
Subject: 2017-11-16_Conservation Plan to IDNR
Sent via: Info Exchange
Expiration Date: 11/30/2017
Remarks: Conservation Plan
Spire STL Pipeline Project
Spire STL Pipeline LLC

Transferred Files

NAME	TYPE	DATE	TIME	SIZE
2017-11-16 Spire STL INDR Conservation Plan.pdf	PDF File	11/16/2017	11:11 AM	37,557 KB
24 Inch Spire Pipeline LOD IL 11142017.zip	Compressed (zipped) Folder	11/15/2017	3:53 PM	27 KB

Notification generated by [Newforma Info Exchange](#)



November 16, 2017

Project E160438.00, Task 005.007

Ms. Jenny Skufca
Incidental Take Authorization Coordinator
Illinois Department of Natural Resources
One Natural Resources Way
Springfield, IL 62702

**Re: Conservation Plan
Spire STL Pipeline LLC
Spire STL Pipeline
Scott, Greene, and Jersey Counties, Illinois**

Dear Ms. Skufca:

GAI Consultants, Inc. ("GAI") has completed a Conservation Plan on behalf of Spire STL Pipeline LLC ("Spire"), for the portion of the Spire STL Pipeline Project ("Project") in Scott, Jersey, and Greene Counties, Illinois. The Conservation Plan prepared in accordance with 17 Illinois Administrative Code ("IAC") Part 1080 (Incidental Taking of Endangered or Threatened Species) as an application for an Incidental Take Authorization ("ITA") for the unavoidable incidental effects to species listed as threatened or endangered by the State of Illinois.

At this time, Spire and GAI are requesting your review and concurrence that the Conservation Plan satisfies all criteria established in 17 IAC Part 1080, allowing the Illinois Department of Natural Resources ("IDNR") to begin the process of issuing an ITA to Spire. GAI and Spire thank you in advance for your assistance. If you have any questions regarding this submission, please contact Lori Ferry at 630-724-3337 or by e-mail at lmferry@burnsmcd.com.

Sincerely,

GAI Consultants, Inc.

A handwritten signature in blue ink, appearing to read 'J. Duffey', written over a light blue circular stamp.

Jason A. Duffey
Senior Project Environmental Specialist

Attachment: Conservation Plan

Cc: Ms. Lori Ferry – Burns and McDonnell, Inc.

Ali Trunzo

From: Skufca, Jenny <Jenny.Skufca@Illinois.gov>
Sent: Thursday, November 16, 2017 5:36 PM
To: Ferry, Lori M
Cc: Douglas Sipe; Ali Trunzo
Subject: RE: Spire STL Pipeline-Conservation Plan

Received.

Thanks,
Jenny

From: Ferry, Lori M [mailto:lmferry@burnsmcd.com]
Sent: Thursday, November 16, 2017 4:35 PM
To: Skufca, Jenny <Jenny.Skufca@Illinois.gov>
Cc: Douglas Sipe <dsipe@mdmcorp.com>; Ali Trunzo <A.Trunzo@gaiconsultants.com>
Subject: [External] RE: Spire STL Pipeline-Conservation Plan

Thank you Jenny. We uploaded the shapefiles this afternoon.

Thanks,
Lori

From: Skufca, Jenny [<mailto:Jenny.Skufca@Illinois.gov>]
Sent: Thursday, November 16, 2017 1:47 PM
To: Ferry, Lori M <lmferry@burnsmcd.com>
Cc: Douglas Sipe <dsipe@mdmcorp.com>; Ali Trunzo <A.Trunzo@gaiconsultants.com>
Subject: RE: Spire STL Pipeline-Conservation Plan

Lori,

Thank you for the provision of a Conservation Plan as application for an Incidental Take Authorization. The Department will provide comments on or before December 16, 2017.

The State server will not allow the zipped shapefiles to come through. Please place the folder on <https://filet.illinois.gov/filet/PIMupload.asp>. Thanks.

Jenny

Jenny Skufca
Incidental Take Authorization Coordinator
Illinois Department of Natural Resources
One Natural Resources Way
Springfield, IL 62702
(217)557-8243

Ali Trunzo

From: Ali Trunzo
Sent: Monday, October 09, 2017 3:47 PM
To: Ali Trunzo
Subject: Project: E160438.00 - Spire - STL Pipeline Proj - File Transfer - Spire STL Pipeline - FERC October Supplemental Filing

Note: You have been CC'd on this notification.

IMPORTANT: Click a link below to access files associated with this transmittal that came in through the GAI Consultants, Inc. Info Exchange web site.

[View the transmittal in Newforma Project Center](#)

Additional links:

[Download all associated files](#)

[Sign in to the GAI Consultants, Inc. Info Exchange site](#)

[Configure cloud storage delivery](#)

[Reply to All](#)

Project Name: E160438.00 - Spire - STL Pipeline Proj
Project Number: E160438.00

From: Ali Trunzo (GAI Consultants, Inc.)
To: Laszewski.virginia@epa.gov; joe.phillippe@illinois.gov; judith.Deel@dnr.mo.gov; summerlin.joe@epa.gov; edward.c.rodriguezrobles@usace.army.mil; Teri.C.Allen@usace.army.mil; kristen_lundh@fws.gov; trisha_crabill@fws.gov; david.p.meyer@usace.army.mil; terry.savko@illinois.gov; darin.lecrone@illinois.gov; keith.shank@illinois.gov; rachel.leibowitz@illinois.gov; dan.heacock@illinois.gov; Jaclyn.C.Wittenborn@usace.army.mil; matt.vitello@mdc.mo.gov; Timothy.A.Kennedy@usace.army.mil
CC: Ali Trunzo (GAI Consultants, Inc.); lmferry@burnsmcd.com; Robin Weissert (GAI Consultants, Inc.)
Subject: Spire STL Pipeline - FERC October Supplemental Filing
Sent via: Info Exchange
Expiration Date: 10/30/2017
Remarks: Hi all,

Please use the links to download the PUBLIC information associated with Spire STL Pipeline's recent supplemental filing made to the FERC on October 6, 2017.

If you have any trouble with the files, please let me know.

Thank you,
Ali Trunzo

Alessandra M. Trunzo

D 412.399.5096 Email a.trunzo@gaiconsultants.com



ENGINEERING, PLANNING, AND ENVIRONMENTAL CONSULTING SINCE 1958

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

Transferred Files

NAME	TYPE	DATE	TIME	SIZE
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(1) PUBLIC.pdf</u>	PDF File	10/6/2017	10:23 AM	5,500 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(10) PUBLIC.pdf</u>	PDF File	10/6/2017	10:26 AM	33,997 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(2) PUBLIC.pdf</u>	PDF File	10/6/2017	11:03 AM	17,447 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(3) PUBLIC.pdf</u>	PDF File	10/6/2017	9:52 AM	42,059 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(4) PUBLIC.pdf</u>	PDF File	10/6/2017	9:52 AM	37,575 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(5) PUBLIC.pdf</u>	PDF File	10/6/2017	9:52 AM	28,859 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(6) PUBLIC.pdf</u>	PDF File	10/6/2017	9:52 AM	33,152 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(7) PUBLIC.pdf</u>	PDF File	10/6/2017	9:52 AM	30,554 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(8) PUBLIC.pdf</u>	PDF File	10/6/2017	9:52 AM	20,960 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(9) PUBLIC.pdf</u>	PDF File	10/6/2017	10:25 AM	23,380 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire</u>	PDF File	10/6/2017	10:20 AM	26,793 KB

<u>STL App 1- C Correspondence PUBLIC.pdf</u>				
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL Supplement PUBLIC.pdf</u>	PDF File	10/6/2017	12:35 PM	19,149 KB
<u>Transmittal - 00070.pdf</u>	PDF File	10/9/2017	3:45 PM	71 KB

Notification generated by [Newforma Info Exchange](#)



Illinois Department of Agriculture

Ali Trunzo

From: Ali Trunzo
Sent: Monday, October 09, 2017 3:47 PM
To: Ali Trunzo
Subject: Project: E160438.00 - Spire - STL Pipeline Proj - File Transfer - Spire STL Pipeline - FERC October Supplemental Filing

Note: You have been CC'd on this notification.

IMPORTANT: Click a link below to access files associated with this transmittal that came in through the GAI Consultants, Inc. Info Exchange web site.

[View the transmittal in Newforma Project Center](#)

Additional links:

[Download all associated files](#)

[Sign in to the GAI Consultants, Inc. Info Exchange site](#)

[Configure cloud storage delivery](#)

[Reply to All](#)

Project Name: E160438.00 - Spire - STL Pipeline Proj
Project Number: E160438.00

From: Ali Trunzo (GAI Consultants, Inc.)
To: Laszewski.virginia@epa.gov; joe.phillippe@illinois.gov; judith.Deel@dnr.mo.gov; summerlin.joe@epa.gov; edward.c.rodriguezrobles@usace.army.mil; Teri.C.Allen@usace.army.mil; kristen_lundh@fws.gov; trisha_crabill@fws.gov; david.p.meyer@usace.army.mil; terry.savko@illinois.gov; darin.lecrone@illinois.gov; keith.shank@illinois.gov; rachel.leibowitz@illinois.gov; dan.heacock@illinois.gov; Jaclyn.C.Wittenborn@usace.army.mil; matt.vitello@mdc.mo.gov; Timothy.A.Kennedy@usace.army.mil
CC: Ali Trunzo (GAI Consultants, Inc.); lmferry@burnsmcd.com; Robin Weissert (GAI Consultants, Inc.)
Subject: Spire STL Pipeline - FERC October Supplemental Filing
Sent via: Info Exchange
Expiration Date: 10/30/2017
Remarks: Hi all,

Please use the links to download the PUBLIC information associated with Spire STL Pipeline's recent supplemental filing made to the FERC on October 6, 2017.

If you have any trouble with the files, please let me know.

Thank you,
Ali Trunzo

Alessandra M. Trunzo

D 412.399.5096 Email a.trunzo@gaiconsultants.com



ENGINEERING, PLANNING, AND ENVIRONMENTAL CONSULTING SINCE 1958

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

Transferred Files

NAME	TYPE	DATE	TIME	SIZE
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(1) PUBLIC.pdf</u>	PDF File	10/6/2017	10:23 AM	5,500 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(10) PUBLIC.pdf</u>	PDF File	10/6/2017	10:26 AM	33,997 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(2) PUBLIC.pdf</u>	PDF File	10/6/2017	11:03 AM	17,447 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(3) PUBLIC.pdf</u>	PDF File	10/6/2017	9:52 AM	42,059 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(4) PUBLIC.pdf</u>	PDF File	10/6/2017	9:52 AM	37,575 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(5) PUBLIC.pdf</u>	PDF File	10/6/2017	9:52 AM	28,859 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(6) PUBLIC.pdf</u>	PDF File	10/6/2017	9:52 AM	33,152 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(7) PUBLIC.pdf</u>	PDF File	10/6/2017	9:52 AM	30,554 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(8) PUBLIC.pdf</u>	PDF File	10/6/2017	9:52 AM	20,960 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(9) PUBLIC.pdf</u>	PDF File	10/6/2017	10:25 AM	23,380 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire</u>	PDF File	10/6/2017	10:20 AM	26,793 KB

<u>STL App 1- C Correspondence PUBLIC.pdf</u>				
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL Supplement PUBLIC.pdf</u>	PDF File	10/6/2017	12:35 PM	19,149 KB
<u>Transmittal - 00070.pdf</u>	PDF File	10/9/2017	3:45 PM	71 KB

Notification generated by [Newforma Info Exchange](#)



Illinois State Historic Preservation Office



GAI Consultants, Inc. - Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841

T 724.873.3545

May 11, 2018

Project E160438.00, Task 007

Ms. Rachel Leibowitz
 Division Manager and Deputy SHPO
 Illinois Historic Preservation Agency
 1 Natural Resources Way
 Springfield, Illinois 62702

**Re: Submittal of Technical Report – Phase I Addendum VII
 IHPA Log #: 005080216
 Spire STL Pipeline Project
 Scott, Greene, and Jersey Counties, Illinois**

RECEIVED

MAY 15 2018

PRESERVATION SERVICES

IHPA REVIEW

H/A _____
 AC _____
 AR _____
 File _____

Dear Ms. Leibowitz:

On behalf of Spire STL Pipeline LLC ("Spire"), a wholly owned subsidiary of Spire Inc., GAI Consultants, Inc. ("GAI") is submitting for your review and comment the enclosed Phase I Addendum VII Report. Spire is seeking authorization from the Federal Energy Regulatory Commission pursuant to Section 7(c) of the Natural Gas Act to construct and operate the proposed Spire STL Pipeline Project ("Project") located in Scott, Greene, and Jersey Counties, Illinois, and St. Charles and St. Louis Counties, Missouri. The total length of the Project pipelines will be approximately 104 kilometers (65 miles), of which approximately 73.5 kilometers (45.7 miles) are in Illinois.

The Phase I Addendum VII report includes results from a supplemental Phase I cultural resource survey conducted on March 12, 2018 along an access road recently added to the proposed Project between Mileposts 35.1 and 35.2. For the purposes of this supplemental cultural resource survey, the direct Impact Area of Potential Effect ("APE") in Illinois included a 30.48-meter (m)- (100-foot [ft])- wide study corridor centered on 0.19-km (0.12-mi) of a proposed access road route. It is anticipated the construction right-of-way for the final design of the Project will be narrower and wholly contained within the direct impact APE as defined above. In total, the Addendum VII supplemental archaeological APE for the Illinois portion of the Project included 0.44-hectare (1.09 acres).

Based on background research conducted for this supplemental survey, no previously recorded cultural resources are mapped within the supplemental APE. No cultural resources were identified during the Addendum VII supplemental Phase I survey of the Illinois portion of the proposed Project, and no further work is recommended for this portion of the Project. Upon completion of supplemental fieldwork in January 2018, Phase I cultural resources survey has been completed in the Illinois portion of the Project APE, as currently designed.

GAI, on behalf of Spire, is requesting your review and concurrence of the attached Phase I Addendum VII Report. We look forward to continuing to work with you on this Project. Please contact Ms. Angela Hood at 412.399.5043 or a.hood@gaiconsultants.com, if there are questions regarding this report.

Sincerely,

GAI Consultants, Inc.

Angela N. Hood
 Angela N. Hood, M.A., RPA
 Project Archaeologist

Robin Weissert
 Robin Weissert, CEP
 Assistant Environmental Manager

CONCUR

By: *Rachel Leibowitz*
 Deputy State Historic Preservation Officer

Date: *6-13-18*

ANH:RW/djz

Attachments: Attachment 1 (Technical Report - Addendum VII Report, Phase I Archaeological Survey);
 Attachment 2 (Archaeological Survey Short Report)



GAI Consultants, Inc. - Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841

T 724.873.3545

RECEIVED

MAY 15 2018

May 11, 2018

Ms. Rachel Leibowitz
 Division Manager and Deputy SHPO
 Illinois Historic Preservation Agency
 1 Natural Resources Way
 Springfield, Illinois 62702

PRESERVATION SERVICES
 IHPA REVIEW
 H/A _____
 AC _____
 AR _____
 File _____

**Re: Submittal of Technical Report – Phase II Archaeological Testing at Site 11JY801
 IHPA Log #: 005080216
 Spire STL Pipeline Project
 Scott, Greene, and Jersey Counties, Illinois**

Dear Ms. Leibowitz:

On behalf of Spire STL Pipeline LLC ("Spire"), a wholly owned subsidiary of Spire Inc., GAI Consultants, Inc. ("GAI") is submitting for your review and comment the enclosed report which includes Site 11JY801 Phase II archaeological survey results. Spire is seeking authorization from the Federal Energy Regulatory Commission pursuant to Section 7(c) of the Natural Gas Act to construct and operate the proposed Spire STL Pipeline Project ("Project") located in Scott, Greene, and Jersey Counties, Illinois, and St. Charles and St. Louis Counties, Missouri. The total length of the Project pipelines will be approximately 104 kilometers (65 miles), of which approximately 73.5 kilometers (45.7 miles) are in Illinois.

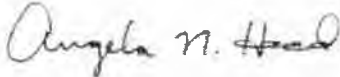
Site 11JY801 was identified during GAI's supplemental Phase I archaeological survey of land parcel MMID 1741 in January 2018, the results of which are included in the *Addendum VI Phase I Archaeological Survey Report* submitted to the Illinois Historic Preservation Agency ("IHPA") on February 16, 2018 (Hood 2018). The IHPA concurred with the Addendum VI report in a letter dated March 22, 2018. At Spire's request, GAI conducted Phase II testing at Site 11JY801 in March 2018 within the Area of Potential Effect ("APE"). Given that the construction right-of-way (the area of ground disturbance created by Project construction activities) in the vicinity of Site 11JY801 had not been finalized prior to the beginning of Phase II fieldwork, the APE for the Phase II investigation consisted of the boundaries delineated when the site was identified in January 2018 during Phase I survey of a potential reroute and an associated workspace. The APE for Phase II studies also includes the Project area immediately surrounding the site, which was subjected to shovel testing, where possible due to ground disturbance and sloping terrain constraints, to confirm site boundaries. In total, the Site 11JY801 Phase II APE is 0.2-hectare (0.5-acre). In the vicinity of Site 11JY801, the proposed Project construction right-of-way includes a 35-41-meter- (115-134-foot-) wide pipeline corridor and a 0.28-hectare (0.68-acre) workspace. The proposed construction right-of-way is wholly encompassed by the previously surveyed Project APE; results of these Phase I surveys are presented in the Addendum III and VI reports (Hood 2018; Scuoteguazza and Hood 2017).

Based on Phase II testing results, Site 11JY801 has moderate integrity and a low research potential. It is concluded that archaeological investigations conducted to date have exhausted the site's information potential within the Phase II Project APE. Accordingly, GAI recommends that the site is not eligible for listing in the National Register of Historic Places under Criterion D. No further work is recommended for Site 11JY801.

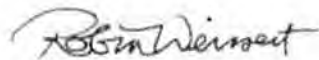
GAI, on behalf of Spire, is requesting your review and concurrence of the attached Phase II Report. We look forward to continuing to work with you on this Project. Please contact Ms. Angela Hood at 412.399.5043 or a.hood@gaiconsultants.com, if there are questions regarding this report.

Sincerely,

GAI Consultants, Inc.



Angela N. Hood, M.A., RPA
Project Archaeologist



Robin Weissert, CEP
Assistant Environmental Manager

ANH:RW/djz

Attachments: Attachment 1 (Technical Report – Phase II Archaeological Testing at Site 11JY801);
Attachment 2 (Archaeological Survey Short Report)

References

Hood, Angela

2018 Technical Report, Addendum VI Cultural Resource Survey. GAI Consultants, Inc. Submitted to Spire STL Pipeline LLC. Copies available from the Illinois Historic Preservation Agency, Springfield.

Scuoteguazza, Eric P. and Angela Hood

2017a *Technical Report - Addendum III Cultural Resource Survey*. GAI Consultants, Inc. Submitted to Spire STL Pipeline LLC. Copies available from the Illinois Historic Preservation Agency, Springfield.

CONCUR

By: Rachel Leibowitz
Deputy State Historic Preservation Officer

Date: 6-15-18

Ali Trunzo

Subject: FW: Spire STL Pipeline Project (Log#: 005080216)

From: Blankenship, Tina [mailto:Tina.Blankenship@Illinois.gov]
Sent: Tuesday, June 05, 2018 8:02 AM
To: Angela Hood <a.hood@gaiconsultants.com>; Leibowitz, Rachel <Rachel.Leibowitz@Illinois.gov>
Subject: RE: Spire STL Pipeline Project (Log#: 005080216)

At least next week sometime

Tina Blankenship, Archaeology Division

PLEASE NOTE OUR NEW ADDRESS:

*Illinois Dept of Natural Resources
State Historic Preservation Office
Attn: Review & Compliance/Old State Capitol
One Natural Resources Way
Springfield, Illinois 62702*

Main Line: 217/782-4836

From: Angela Hood <a.hood@gaiconsultants.com>
Sent: Monday, June 04, 2018 9:44 AM
To: Blankenship, Tina <Tina.Blankenship@Illinois.gov>; Leibowitz, Rachel <Rachel.Leibowitz@Illinois.gov>
Subject: [External] RE: Spire STL Pipeline Project (Log#: 005080216)

Hi Rachel and Tina,

I hope this email finds you both well. Just checking in to see when we can expect to receive concurrence letters for the Site 11JY801 Phase II report, the Addendum VII Phase I report, the Site 11JY789 avoidance plan, and the Site 11JY800 avoidance plan.

Let me know if you have any questions.

Best Wishes,

Angie

Angela N. Hood, M.A., RPA
D 412.399.5043 M 412.228.9807

Ali Trunzo

Subject: FW: Spire STL Pipeline Project (Log#: 005080216)

From: Blankenship, Tina [<mailto:Tina.Blankenship@Illinois.gov>]

Sent: Monday, May 21, 2018 11:49 AM

To: Angela Hood <a.hood@gaiconsultants.com>; Leibowitz, Rachel <Rachel.Leibowitz@Illinois.gov>

Subject: RE: Spire STL Pipeline Project (Log#: 005080216)

We will get them processed as quickly as we can.

Tina Blankenship, Archaeology Division

PLEASE NOTE OUR NEW ADDRESS:

Illinois Dept of Natural Resources

State Historic Preservation Office

Attn: Review & Compliance/Old State Capitol

One Natural Resources Way

Springfield, Illinois 62702

Main Line: 217/782-4836

From: Angela Hood <a.hood@gaiconsultants.com>

Sent: Monday, May 21, 2018 10:40 AM

To: Blankenship, Tina <Tina.Blankenship@Illinois.gov>; Leibowitz, Rachel <Rachel.Leibowitz@Illinois.gov>

Subject: [External] RE: Spire STL Pipeline Project (Log#: 005080216)

Hi Tina,

The reports you received on May 15 are re-formatted versions of the single document Brant reviewed and concurred with on April 18, 2018 (see attached email). This single document included the Site 11JY801 Phase II, the Addendum VII Phase I, the Site 11JY789 avoidance plan, and the Site 11JY800 avoidance plan. Based on the SHPO's request, we split the single document into four separate reports.

The results and recommendations included in these reports have not changed, only their organization from one report into four standalone documents. Just to clarify, will the SHPO need to review the documents again, even though Brant already reviewed the single document submittal back in April and concurred with its results and recommendations?

Thanks,

Angie

From: Blankenship, Tina [<mailto:Tina.Blankenship@Illinois.gov>]
Sent: Monday, May 21, 2018 10:52 AM
To: Angela Hood <a.hood@gaiconsultants.com>; Leibowitz, Rachel <Rachel.Leibowitz@Illinois.gov>
Subject: RE: Spire STL Pipeline Project (Log#: 005080216)

The box was received May 15th, we will get them reviewed and a letter out within 30 days.

Tina Blankenship, Archaeology Division

PLEASE NOTE OUR NEW ADDRESS:

*Illinois Dept of Natural Resources
State Historic Preservation Office
Attn: Review & Compliance/Old State Capitol
One Natural Resources Way
Springfield, Illinois 62702*

Main Line: 217/782-4836

From: Angela Hood <a.hood@gaiconsultants.com>
Sent: Monday, May 21, 2018 9:50 AM
To: Leibowitz, Rachel <Rachel.Leibowitz@Illinois.gov>; Blankenship, Tina <Tina.Blankenship@Illinois.gov>
Subject: [External] Spire STL Pipeline Project (Log#: 005080216)

Good morning Rachel and Tina,

I wanted to follow up to make sure you received the separated documents for the Site 11JY801 Phase II report, the Addendum VII Phase I report, the Site 11JY789 avoidance plan, and the Site 11JY800 avoidance plan. Also, let me know when we can expect to see your concurrence for the four documents.

Thanks,

Angie

Angela N. Hood, M.A., RPA

Project Archaeologist

GAI Consultants, 385 East Waterfront Drive, Homestead, PA 15120-5005

D 412.399.5043 **M** 412.228.9807

[Facebook](#) | [LinkedIn](#) | [Twitter](#) | [YouTube](#) | [News & Insights](#)



**ENGINEERING,
PLANNING, AND
ENVIRONMENTAL
CONSULTING SINCE 1958**

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

State of Illinois - CONFIDENTIALITY NOTICE: The information contained in this communication is confidential, may be attorney-client privileged or attorney work product, may constitute inside information or internal deliberative staff communication, and is intended only for the use of the addressee. Unauthorized use, disclosure or copying of this communication or any part thereof is strictly prohibited and may be unlawful. If you have received this communication in error, please notify the sender immediately by return e-mail and destroy this communication and all copies thereof, including all attachments. Receipt by an unintended recipient does not waive attorney-client privilege, attorney work product privilege, or any other exemption from disclosure.



May 11, 2018

Ms. Rachel Leibowitz
Division Manager and Deputy SHPO
Illinois Historic Preservation Agency
1 Natural Resources Way
Springfield, Illinois 62702

Re: Submittal of Technical Report – Phase II Archaeological Testing at Site 11JY801
IHPA Log #: 005080216
Spire STL Pipeline Project
Scott, Greene, and Jersey Counties, Illinois

Dear Ms. Leibowitz:

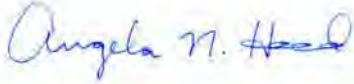
On behalf of Spire STL Pipeline LLC (“Spire”), a wholly owned subsidiary of Spire Inc., GAI Consultants, Inc. (“GAI”) is submitting for your review and comment the enclosed report which includes Site 11JY801 Phase II archaeological survey results. Spire is seeking authorization from the Federal Energy Regulatory Commission pursuant to Section 7(c) of the Natural Gas Act to construct and operate the proposed Spire STL Pipeline Project (“Project”) located in Scott, Greene, and Jersey Counties, Illinois, and St. Charles and St. Louis Counties, Missouri. The total length of the Project pipelines will be approximately 104 kilometers (65 miles), of which approximately 73.5 kilometers (45.7 miles) are in Illinois.

Site 11JY801 was identified during GAI’s supplemental Phase I archaeological survey of land parcel MMID 1741 in January 2018, the results of which are included in the *Addendum VI Phase I Archaeological Survey Report* submitted to the Illinois Historic Preservation Agency (“IHPA”) on February 16, 2018 (Hood 2018). The IHPA concurred with the Addendum VI report in a letter dated March 22, 2018. At Spire’s request, GAI conducted Phase II testing at Site 11JY801 in March 2018 within the Area of Potential Effect (“APE”). Given that the construction right-of-way (the area of ground disturbance created by Project construction activities) in the vicinity of Site 11JY801 had not been finalized prior to the beginning of Phase II fieldwork, the APE for the Phase II investigation consisted of the boundaries delineated when the site was identified in January 2018 during Phase I survey of a potential reroute and an associated workspace. The APE for Phase II studies also includes the Project area immediately surrounding the site, which was subjected to shovel testing, where possible due to ground disturbance and sloping terrain constraints, to confirm site boundaries. In total, the Site 11JY801 Phase II APE is 0.2-hectare (0.5-acre). In the vicinity of Site 11JY801, the proposed Project construction right-of-way includes a 35-41-meter- (115-134-foot-) wide pipeline corridor and a 0.28-hectare (0.68-acre) workspace. The proposed construction right-of-way is wholly encompassed by the previously surveyed Project APE; results of these Phase I surveys are presented in the Addendum III and VI reports (Hood 2018; Scuteguazza and Hood 2017).

Based on Phase II testing results, Site 11JY801 has moderate integrity and a low research potential. **It is concluded that archaeological investigations conducted to date have exhausted the site’s information potential within the Phase II Project APE.** Accordingly, GAI recommends that the site is not eligible for listing in the National Register of Historic Places under Criterion D. No further work is recommended for Site 11JY801.

GAI, on behalf of Spire, is requesting your review and concurrence of the attached Phase II Report. We look forward to continuing to work with you on this Project. Please contact Ms. Angela Hood at 412.399.5043 or a.hood@gaiconsultants.com, if there are questions regarding this report.

Sincerely,
GAI Consultants, Inc.



Angela N. Hood, M.A., RPA
Project Archaeologist



Robin Weissert, CEP
Assistant Environmental Manager

ANH:RW/djz

Attachments: Attachment 1 (Technical Report – Phase II Archaeological Testing at Site 11JY801);
Attachment 2 (Archaeological Survey Short Report)

References

Hood, Angela

2018 Technical Report, Addendum VI Cultural Resource Survey. GAI Consultants, Inc. Submitted to Spire STL Pipeline LLC. Copies available from the Illinois Historic Preservation Agency, Springfield.

Scuoteguazza, Eric P. and Angela Hood

2017a *Technical Report - Addendum III Cultural Resource Survey*. GAI Consultants, Inc. Submitted to Spire STL Pipeline LLC. Copies available from the Illinois Historic Preservation Agency, Springfield.



May 11, 2018

Project E160438.00, Task 007

Ms. Rachel Leibowitz
Division Manager and Deputy SHPO
Illinois Historic Preservation Agency
1 Natural Resources Way
Springfield, Illinois 62702

Re: Submittal of Technical Report – Phase I Addendum VII
IHPA Log #: 005080216
Spire STL Pipeline Project
Scott, Greene, and Jersey Counties, Illinois

Dear Ms. Leibowitz:

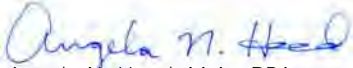
On behalf of Spire STL Pipeline LLC (“Spire”), a wholly owned subsidiary of Spire Inc., GAI Consultants, Inc. (“GAI”) is submitting for your review and comment the enclosed Phase I Addendum VII Report. Spire is seeking authorization from the Federal Energy Regulatory Commission pursuant to Section 7(c) of the Natural Gas Act to construct and operate the proposed Spire STL Pipeline Project (“Project”) located in Scott, Greene, and Jersey Counties, Illinois, and St. Charles and St. Louis Counties, Missouri. The total length of the Project pipelines will be approximately 104 kilometers (65 miles), of which approximately 73.5 kilometers (45.7 miles) are in Illinois.

The Phase I Addendum VII report includes results from a supplemental Phase I cultural resource survey conducted on March 12, 2018 along an access road recently added to the proposed Project between Mileposts 35.1 and 35.2. For the purposes of this supplemental cultural resource survey, the direct impact Area of Potential Effect (“APE”) in Illinois included a 30.48-meter (m)- (100-foot [ft]) - wide study corridor centered on 0.19-km (0.12-mi) of a proposed access road route. It is anticipated the construction right-of-way for the final design of the Project will be narrower and wholly contained within the direct impact APE as defined above. In total, the Addendum VII supplemental archaeological APE for the Illinois portion of the Project included 0.44-hectare (1.09 acres).

Based on background research conducted for this supplemental survey, no previously recorded cultural resources are mapped within the supplemental APE. No cultural resources were identified during the Addendum VII supplemental Phase I survey of the Illinois portion of the proposed Project, and no further work is recommended for this portion of the Project. Upon completion of supplemental fieldwork in January 2018, Phase I cultural resources survey has been completed in the Illinois portion of the Project APE, as currently designed.

GAI, on behalf of Spire, is requesting your review and concurrence of the attached Phase I Addendum VII Report. We look forward to continuing to work with you on this Project. Please contact Ms. Angela Hood at 412.399.5043 or a.hood@gaiconsultants.com, if there are questions regarding this report.

Sincerely,
GAI Consultants, Inc.


Angela N. Hood, M.A., RPA
Project Archaeologist


Robin Weissert, CEP
Assistant Environmental Manager

ANH:RW/djz

Attachments: Attachment 1 (Technical Report - Addendum VII Report, Phase I Archaeological Survey);
Attachment 2 (Archaeological Survey Short Report)

Ali Trunzo

Subject: FW: Spire STL Pipeline Project (IHPA Log#: 005080216)

-----Original Message-----

From: Vollman, Brant J CIV USARMY CEMVR (US) [mailto:Brant.J.Vollman@usace.army.mil]
Sent: Monday, April 30, 2018 8:15 AM
To: Angela Hood <a.hood@gaiconsultants.com>
Cc: Blankenship, Tina <Tina.Blankenship@Illinois.gov>
Subject: RE: Spire STL Pipeline Project (IHPA Log#: 005080216)

Good morning,

Correct, with regards to the Phase II results and the avoidance plan - each document should be a standalone document (with a cover letter) because they are single and complete on their own. This way Tina can stamp "concur" on the cover letters and return them to you. Same with the Addendum VII. It needs to be standalone so it can be approved separately because it is not part of the Phase II testing (it is still part of the phase I survey).

However, - the Addendum VII will also need to be captured in the "capstone document" we discussed previously. The reason is because the capstone document is for all parts of the Phase I survey (Original report plus Addendums I-VII). Even though each part was "approved" in pieces as they came in, this way there will be one document that has all the parts and pieces in one place / one map (or series of maps) that show the WHOLE Phase I in one document.

Sorry for any confusion this may have caused!

If you need any additional information or assistance please contact me at your convenience.

Thanks,

Brant Vollman
Archaeologist
Rock Island District
Regulatory Branch
P.O. Box 2004
Clock Tower Bldg.
Rock Island, Illinois 61204-2004
309-794-5380 (office)
573-424-4317 (cell)

-----Original Message-----

From: Angela Hood [mailto:a.hood@gaiconsultants.com]
Sent: Friday, April 27, 2018 11:00 AM
To: Vollman, Brant J CIV USARMY CEMVR (US) <Brant.J.Vollman@usace.army.mil>
Subject: [Non-DoD Source] Spire STL Pipeline Project (IHPA Log#: 005080216)

Hi Brant,

As we discussed on the phone this morning, I'm hoping you can provide some guidance regarding Tina Blankenship's request that we split the report that includes results and recommendations for the Site 11JY801 Phase II eligibility evaluation, Avoidance Plan for Sites 11JY789 and 11JY800, and Addendum VII Phase I survey into four separate documents (see attached email thread). Specifically, do we need to split the report into four separate documents, or is the single report format acceptable? At your request, I emailed you a PDF version of this report for review on April 17, 2018, and you sent your concurrence via email on April 18, 2018 (email correspondence also attached).

As always, I appreciate your assistance with this project.

Best Wishes,

Angie

Angela N. Hood, M.A., RPA
Project Archaeologist

GAI Consultants, 385 East Waterfront Drive, Homestead, PA 15120-5005

D 412.399.5043 M 412.228.9807

Facebook <Blocked<http://www.facebook.com/gaiconsultants>> | LinkedIn
<Blocked<https://www.linkedin.com/company/gai-consultants-inc->> | Twitter
<Blocked<https://twitter.com/GAIConsultants>> | YouTube <Blocked<https://www.youtube.com/user/gaiconsultants>> |
News & Insights <Blocked<http://gaiconsultants.com/news-and-insights/our-thinking/>>

<Blocked<http://gaiconsultants.com/>>

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

Ali Trunzo

Subject: FW: Package today

From: Blankenship, Tina [<mailto:Tina.Blankenship@Illinois.gov>]
Sent: Thursday, April 19, 2018 8:04 AM
To: Angela Hood <a.hood@gaiconsultants.com>
Cc: Leibowitz, Rachel <Rachel.Leibowitz@Illinois.gov>
Subject: RE: Package today

Correct, this is no different than what we have always done, all reports must be their stand alone document.

Sorry for the confusion!!

Tina Blankenship, Archaeology Division

PLEASE NOTE OUR NEW ADDRESS:

*Illinois Dept of Natural Resources
State Historic Preservation Office
Attn: Review & Compliance/Old State Capitol
One Natural Resources Way
Springfield, Illinois 62702*

Main Line: 217/782-4836

From: Angela Hood <a.hood@gaiconsultants.com>
Sent: Wednesday, April 18, 2018 4:21 PM
To: Blankenship, Tina <Tina.Blankenship@Illinois.gov>
Cc: Leibowitz, Rachel <Rachel.Leibowitz@Illinois.gov>
Subject: [External] RE: Package today

Hi Tina,

Just so I'm clear on what we need to provide, the IHPA needs separate avoidance plans for both Site 11JY789 and Site 11JY800, in addition to standalone reports for the Site 11JY801 Phase II eligibility evaluation and Addendum VII Phase I survey? And we'll need to include a cover letter for each of the four documents so they can be stamped "concur", correct?

Thanks for your guidance with this.

Best,

Angie

From: Blankenship, Tina [<mailto:Tina.Blankenship@Illinois.gov>]
Sent: Wednesday, April 18, 2018 2:43 PM
To: Angela Hood <a.hood@gaiconsultants.com>
Cc: Leibowitz, Rachel <Rachel.Leibowitz@Illinois.gov>
Subject: RE: Package today

I really wish they would have consulted me before telling you to do that, unfortunately we have to have each report separately so they can be recorded separately on the site file system.

I will have to have the 4 reports separated before we can proceed.

Sorry for the confusion!!

Tina Blankenship, Archaeology Division

PLEASE NOTE OUR NEW ADDRESS:

*Illinois Dept of Natural Resources
State Historic Preservation Office
Attn: Review & Compliance/Old State Capitol
One Natural Resources Way
Springfield, Illinois 62702*

Main Line: 217/782-4836

From: Angela Hood <a.hood@gaiconsultants.com>
Sent: Wednesday, April 18, 2018 1:40 PM
To: Blankenship, Tina <Tina.Blankenship@Illinois.gov>
Subject: [External] RE: Package today

Hi Tina,

During our March 22 conference call, Brant and Rachel asked us to combine the Site 11JY801 Phase II results, the avoidance plan for Sites 11JY789 and 11JY800, and the Addendum VII Phase I survey results into one document. I'll send another hard copy of the report and ASSR form tomorrow. Sorry for the confusion.

Best,

Angie

Angela N. Hood, M.A., RPA
D 412.399.5043 M 412.228.9807



From: Blankenship, Tina [<mailto:Tina.Blankenship@Illinois.gov>]
Sent: Wednesday, April 18, 2018 2:32 PM
To: Angela Hood <a.hood@gaiconsultants.com>
Subject: Package today

I got your package today, however I am unsure what I am looking at. It appears to be 4 different reports, Phase I Addendum VII, Phase II-11JY789, Phase II-11JY801, and Avoidance Plan-11JY800 according to the cover page; and there was only one hard copy.

If that is what is contained here, we will need four separate reports, 2 hard copies and 1 CD for each report.

Thanks

Tina Blankenship, Archaeology Division

PLEASE NOTE OUR NEW ADDRESS:

*Illinois Dept of Natural Resources
State Historic Preservation Office
Attn: Review & Compliance/Old State Capitol
One Natural Resources Way
Springfield, Illinois 62702*

Main Line: 217/782-4836

State of Illinois - CONFIDENTIALITY NOTICE: The information contained in this communication is confidential, may be attorney-client privileged or attorney work product, may constitute inside information or internal deliberative staff communication, and is intended only for the use of the addressee. Unauthorized use, disclosure or copying of this communication or any part thereof is strictly prohibited and may be unlawful. If you have received this communication in error, please notify the sender immediately by return e-mail and destroy this communication and all copies thereof, including all attachments. Receipt by an unintended recipient does not waive attorney-client privilege, attorney work product privilege, or any other exemption from disclosure.

Ali Trunzo

Subject: FW: [Non-DoD Source] Project: E160438.00 - Spire - STL Pipeline Proj - File Transfer - Site 11JY801 Phase II Report Spire STL Pipeline Project (IHPA Log#: 005080216)
Attachments: image002.png; image003.jpg; REDUCED Site 11JY801 Phase II, Avoidance Plan, and Addendum VII Report 4172018.pdf; REDUCED Phase II and Addendum VII Archaeological Survey Short Report Form.pdf

-----Original Message-----

From: Vollman, Brant J CIV USARMY CEMVR (US) [mailto:Brant.J.Vollman@usace.army.mil]

Sent: Wednesday, April 18, 2018 9:18 AM

To: Blankenship, Tina <Tina.Blankenship@Illinois.gov>

Cc: Angela Hood <a.hood@gaiconsultants.com>; Leibowitz, Rachel <Rachel.Leibowitz@Illinois.gov>

Subject: FW: [Non-DoD Source] Project: E160438.00 - Spire - STL Pipeline Proj - File Transfer - Site 11JY801 Phase II Report Spire STL Pipeline Project (IHPA Log#: 005080216)

Good morning,

You should be receiving hard copies of the Phase II for 11JY801, the Avoidance plan for 11JY800 and Addendum VII for the Spire Pipeline project soon. Angela went ahead (at my request) and forwarded electronic copies to me for review.

I have reviewed the above referenced documents and find them to be adequate to meet the guidelines. In addition, I concur with the recommendations regarding site 11JY801. The site is not eligible for listing on the NRHP based on the results of the Phase II testing.

After getting the revised avoidance plan that indicates the areas of previous disturbance and the efforts to protect the undamaged portions of 11JY800 I believe the avoidance plan to be adequate as well.

In addition, the Addendum VII information also meets the standards and is adequate.

For the project overall we can easily concur with a finding of No Adverse Effect.

If you need any additional information or assistance please contact me at your convenience.

Thanks,

Brant Vollman
Archaeologist
Rock Island District
Regulatory Branch
P.O. Box 2004
Clock Tower Bldg.
Rock Island, Illinois 61204-2004
309-794-5380 (office)
573-424-4317 (cell)

-----Original Message-----

From: Angela Hood [mailto:a.hood@gaiconsultants.com]
Sent: Tuesday, April 17, 2018 1:49 PM
To: Vollman, Brant J CIV USARMY CEMVR (US) <Brant.J.Vollman@usace.army.mil>
Subject: RE: [Non-DoD Source] Project: E160438.00 - Spire - STL Pipeline Proj - File Transfer - Site 11JY801 Phase II Report Spire STL Pipeline Project (IHPA Log#: 005080216)

Hi Brant,

Sorry for the technical difficulties with Newforma. I've attached reduced PDFs of the report and the ASSR form. Let me know whether you have any issues with these. Thanks!

Best,

Angie

Angela N. Hood, M.A., RPA

D 412.399.5043 M 412.228.9807

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

From: Vollman, Brant J CIV USARMY CEMVR (US) [mailto:Brant.J.Vollman@usace.army.mil]
Sent: Tuesday, April 17, 2018 12:33 PM
To: Angela Hood <a.hood@gaiconsultants.com>
Subject: RE: [Non-DoD Source] Project: E160438.00 - Spire - STL Pipeline Proj - File Transfer - Site 11JY801 Phase II Report Spire STL Pipeline Project (IHPA Log#: 005080216)

<HTML>

Good morning,

I am having a bit of trouble getting the download to work. Here is the message I am receiving:

HELP <Blockedhttp://help.newforma.com/Newforma_Info_Exchange_Eleventh_Edition/index.htm?rhmapno=0>

ERROR: Value cannot be null. Parameter name: g

Try to perform the operation again. If you still encounter the error, please contact the Newforma Info Exchange host company and provide them with the error information and we will diagnose the problem as soon as possible.

If you need any additional information or assistance please contact me at your convenience.

Thanks,

Brant Vollman

Archaeologist

Rock Island District

Regulatory Branch

P.O. Box 2004

Clock Tower Bldg.

Rock Island, Illinois 61204-2004

309-794-5380 (office)

573-424-4317 (cell)

From: Angela Hood [mailto:a.hood@gaiconsultants.com]

Sent: Tuesday, April 17, 2018 11:04 AM

To: Vollman, Brant J CIV USARMY CEMVR (US) <Brant.J.Vollman@usace.army.mil
<mailto:Brant.J.Vollman@usace.army.mil> >

Subject: [Non-DoD Source] Project: E160438.00 - Spire - STL Pipeline Proj - File Transfer - Site 11JY801 Phase II Report
Spire STL Pipeline Project (IHPA Log#: 005080216)

A transfer (File Transfer) has arrived on the GAI Consultants, Inc. Info Exchange Site.

Download all associated files

<BlockedBlockedhttps://infoexchange.gaiconsultants.com/DownloadWeb/predownload.aspx?qs=LR82FPL2GKZR6R33Z
MJZ27PL8ALREP4PZBG4HJDJPD2MJ347LKYUSJLK6EZQCB7JDCNCUUGH3D87P7YIMZ3CA8Q852YCR8FAFLV4Z34K3C3N4B
82BVSDNM3LKWT4MXS7X8TR2LX4K59XEFVBD97ZCRZN2Y37NS7Y6JHDZSKSPW4XM4UKN6UDFALY8F5K6Z6LZPWQYJPG
NZQWHZLFP8DUB59TK3>

Additional links:

Reply to All

<mailto:a.hood@gaiconsultants.com;?subject=RE:%20Site%2011JY801%20Phase%20II%20Report%20Spire%20STL%20Pi
pipeline%20Project%20(IHPA%20Log#:%20005080216)&cc=a.hood@gaiconsultants.com;rachel.leibowitz@illinois.gov;>

Project Name:

E160438.00 - Spire - STL Pipeline Proj

Project Number:

E160438.00

From:

Angela Hood (GAI Consultants, Inc.)

To:

Brant.J.Vollman@usace.army.mil <mailto:Brant.J.Vollman@usace.army.mil>

CC:

Angela Hood (GAI Consultants, Inc.); rachel.leibowitz@illinois.gov <mailto:rachel.leibowitz@illinois.gov>

Subject:

Site 11JY801 Phase II Report Spire STL Pipeline Project (IHPA Log#: 005080216)

Sent via:

Info Exchange

Expiration Date:

5/1/2018

Remarks:

Hi Brant,

I hope this email finds you well. I'm sending you a PDF of the technical report that includes Phase II testing results for Site 11JY801, the avoidance plan for Sites 11JY789 and 11JY800, and Addendum VII Phase I survey results for an access road recently added to the Spire project for your review. I also included a PDF of the Archaeological Survey Short Report form. You should be able to follow the link included in this email to download the document. Let me know if you have any issues with the link.

I'm also sending hard copies and a CD of the report and Archaeological Survey Short Report form to the IHPA's office today.

I'll give you a call later this afternoon to make sure the share site link worked for you. Thanks!

Best Wishes,

Angie

Angela N. Hood, M.A., RPA
Project Archaeologist

GAI Consultants, 385 East Waterfront Drive, Homestead, PA 15120-5005

D 412.399.5043 M 412.228.9807

Facebook <BlockedBlocked<http://www.facebook.com/gaiconsultants>> | LinkedIn
<BlockedBlocked<https://www.linkedin.com/company/gai-consultants-inc->> | Twitter
<BlockedBlocked<https://twitter.com/GAIConsultants>> | YouTube
<BlockedBlocked<https://www.youtube.com/user/gaiconsultants>> | News & Insights
<BlockedBlocked<http://gaiconsultants.com/news-and-insights/our-thinking/>>

<BlockedBlocked<http://gaiconsultants.com/>>

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

Transferred Files

Name

Type

Date

Time

Size

Phase II and Addendum VII Archaeological Survey Short Report Form.pdf

<BlockedBlockedhttps://infoexchange.gaiconsultants.com/DownloadWeb/predownload.aspx?q=LR82FPL2GKZR6R33ZMJZ27PL8ALREP4PZBG4HJDJPD2MJ347LKYUSJLK6EZQCB7JDCNCUUGH3D87P7YIMZ3CA8Q852YCR8FAFLV4Z34K3C3N4B82BVSDNM3LKWT4MXS7X8TR2LX4K59XEFVBD97ZCRZN2Y37NS7Y6JHDZSKSPW4XM4UKN6UDFALY8F5K6Z6LZPWQYJPGNZQWSVAKJDGZ8MLJLUDPSR9VB9WGYLT85PRZEKPY26E932D8K5XCAEEMHDDDBMPX4ZG7HKAJRTF48UNRVWJZJJBSMYQZX6T5CKZNPURRNC6799GTQVFS7CU8U7LZWWBU583B5R>

PDF File

4/16/2018

12:58 PM

14,304 KB

Site 11JY801 Phase II, Avoidance Plan, and Addendum VII Report 4172018.pdf

<BlockedBlockedhttps://infoexchange.gaiconsultants.com/DownloadWeb/predownload.aspx?q=LR82FPL2GKZR6R33ZMJZ27PL8ALREP4PZBG4HJDJPD2MJ347LKYUSJLK6EZQCB7JDCNCUUGH3D87P7YIMZ3CA8Q852YCR8FAFLV4Z34K3C3N4B82BVSDNM3LKWT4MXS7X8TR2LX4K59XEFVBD97ZCRZN2Y37NS7Y6JHDZSKSPW4XM4UKN6UDFALY8F5K6Z6LZPWQYJPGNZQWSV8AS75D7ZSL6WDFZ6MHK27HVMML274X6PFCJF6LAS5SJS6KYEAWASNSATYNVVMQ8BJGNVCAHL46ELDYF9KK3WT46ATUXGCJGGQWJFR4JTAA6LPR79TRXHWDDKYKK8SSV6XYKF353AA32>

PDF File

4/17/2018

11:03 AM

31,909 KB

To share and learn more about Newforma Info Exchange visit [BlockedBlockedwww.newformant.com](http://www.newformant.com)
<BlockedBlockedhttp://www.newformant.com>

telephone log



gai consultants

Date: April 17, 2018

Project / Admin. No.: E160438.00

Call From: Angie Hood

Company: GAI Consultants, Inc.

Phone No.: 412.399.5043

Call To: Brant Vollman

Company: United States Army Corps of Engineers, Rock Island District

Phone No.: 309-794-5380

Subject: Spire STL Pipeline Project Phase II/Avoidance Plan/Phase I Report

cc:

Summary of Discussion, Decisions, and Commitments:

I called Brant Vollman (archaeologist with the United States Army Corps of Engineers [USACE], Rock Island District working as a part-time reviewer for the Illinois Historic Preservation Agency [IHPA]) to confirm his receipt of the Site 11JY801 Phase II / Sites 11JY789 and 11JY800 avoidance plan / Phase I Addendum VII report that I sent to him earlier today via email. Brant said he received the report PDF via email and that he should be able to review the report sometime this week and provide comments to Tina Blankenship (IHPA administrative assistant). I also asked Brant if he had a chance to review the avoidance plan for Sites 11JY789 and 11JY800 that I submitted last week. He said he was pretty sure he reviewed it and provided comments to Tina, but that he would double check his records to confirm. I told him to give me a call or send me an email if he had any questions during his review of the report and ended the call by thanking him for his help with the project.

telephone log



gai consultants

Date: April 11, 2018

Project / Admin. No.: E160438.00

Call From: Angie Hood

Company: GAI Consultants, Inc.

Phone No.: 412.399.5043

Call To: Brant Vollman

Company: United States Army Corps of Engineers, Rock Island District

Phone No.: 309-794-5380

Subject: Spire STL Pipeline Project Avoidance Plan for Sites 11JY789 and 11JY800

cc:

Summary of Discussion, Decisions, and Commitments:

I called Brant Vollman (archaeologist with the United States Army Corps of Engineers [USACE], Rock Island District working as a part-time reviewer for the Illinois Historic Preservation Agency [IHPA]) to follow up on the avoidance plan for Sites 11JY789 and 11JY800 that I sent to him earlier today via email. Brant said he received the email and quickly looked over the document, but that he did not have time to read it today. He said he would try to review the avoidance plan tomorrow afternoon and to provide comments to Tina Blankenship (IHPA administrative assistant) and me sometime early next week. Brant said he was taking Friday, April 13 off and would be out of the office. I said that timeline would be fine, and told him to give me a call or send me an email if he had any questions during his review. I also reminded him that we were going to send him the Phase II report for Site 11JY801 that also includes the avoidance plan and Addendum VII Phase I results later this week or early next. Brant said that was fine, and that he would be happy to review an electronic copy of the report similar to what he's doing for the avoidance plan. I ended the call by thanking him for his help with the project.

Ali Trunzo

From: Angela Hood
Sent: Wednesday, April 11, 2018 3:05 PM
To: Vollman, Brant J CIV USARMY CEMVR (US)
Cc: Leibowitz, Rachel
Subject: Spire STL Pipeline Sites 11JY789 and 11JY800 Avoidance Plan (IHPA Log#: 005080216)
Attachments: Spire Sites 11JY789 and 11JY800 Avoidance Plan.pdf

Hi Brant,

I hope this email finds you well. As we discussed during our March 22, 2018 meeting, I've attached a PDF of the avoidance plan for Sites 11JY789 and 11JY800 for your review. I'm also sending a hard copy of the avoidance plan to the IHPA's office today. The avoidance plan for these two sites will also be included in the document presenting Phase II results for Site 11JY801 and the Addendum VII Phase I survey.

I'll give you a call later this afternoon to see if you have any questions regarding the avoidance plan. Thanks!

Best Wishes,

Angie

Angela N. Hood, M.A., RPA
Project Archaeologist

GAI Consultants, 385 East Waterfront Drive, Homestead, PA 15120-5005
D 412.399.5043 **M** 412.228.9807

[Facebook](#) | [LinkedIn](#) | [Twitter](#) | [YouTube](#) | [News & Insights](#)



GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

telephone log



gai consultants

Date: March 7, 2018

Project / Admin. No.: E160438.00

Call From: Angie Hood

Company: GAI Consultants, Inc.

Phone No.: 412.399.5043

Call To: Tina Blankenship

Company: Illinois Historic Preservation Agency (IHPA)

Phone No.: 217-785-4997

Subject: Spire STL Pipeline Project – Response Letters for Recent Submittals to IHPA

cc:

Summary of Discussion, Decisions, and Commitments:

I called Tina Blankenship (Archaeology Secretary, IHPA) to see if the IHPA could issue response letters for any of the recent submittals for the Spire STL Pipeline Project, including the Determination of Eligibility letter for Site 11JY789, the Phase III data recovery plan for Site 11JY789, and Addendum Reports V and VI. Tina said that Brant Vollman (Archaeologist for the United States Army Corps of Engineers Rock Island District serving as a part time archaeology reviewer for the IHPA) has not provided comments on these documents yet. Tina also pointed out that Brant is on vacation now and won't be back at the IHPA until March 20th. She said that the Site 11JY801 Phase II work plan, which he approved via email, was the only submittal that Brant has reviewed yet. I asked Tina if the IHPA could stamp the work plan's cover letter "concur" for Spire and GAI's records, and she said that she would take care of this. I told her that the Spire project team would discuss the remaining submittals during our meeting on March 22nd meeting and thanked her for her help.

Ali Trunzo

From: Angela Hood
Sent: Tuesday, March 06, 2018 6:19 PM
To: Vollman, Brant J CIV USARMY CEMVR (US); Leibowitz, Rachel; Blankenship, Tina
Subject: RE: Spire STL Pipeline Project Meeting (IHPA Log # 005080216)

Thank you!

I'll send a meeting invitation along with a conference ID/passcode to you tomorrow.

Best,

Angie

Angela N. Hood, M.A., RPA
D 412.399.5043 M 412.228.9807



GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

From: Vollman, Brant J CIV USARMY CEMVR (US) [mailto:Brant.J.Vollman@usace.army.mil]
Sent: Tuesday, March 06, 2018 5:10 PM
To: Angela Hood <a.hood@gaiconsultants.com>; Leibowitz, Rachel <Rachel.Leibowitz@Illinois.gov>; Blankenship, Tina <Tina.Blankenship@Illinois.gov>
Subject: RE: Spire STL Pipeline Project Meeting (IHPA Log # 005080216)

Good afternoon,

The schedule works for me. Look forward to talking about the project.

If you need any additional information or assistance please contact me at your convenience.

Thanks,

Brant Vollman
Archaeologist
Rock Island District
Regulatory Branch
P.O. Box 2004
Clock Tower Bldg.
Rock Island, Illinois 61204-2004
309-794-5380 (office)
573-424-4317 (cell)

From: Angela Hood [mailto:a.hood@gaiconsultants.com]
Sent: Tuesday, March 6, 2018 3:51 PM

To: Vollman, Brant J CIV USARMY CEMVR (US) <Brant.J.Vollman@usace.army.mil>; Leibowitz, Rachel <Rachel.Leibowitz@Illinois.gov>; Blankenship, Tina <Tina.Blankenship@Illinois.gov>

Subject: [Non-DoD Source] Spire STL Pipeline Project Meeting (IHPA Log # 005080216)

Hello,

As we discussed last week, the Spire project team would like to set up a meeting on Thursday, March 22 at 10 am CST with Brant and Rachel to discuss a few archaeological sites we found within a reroute on the Principia property, as well as prior submittals to the IHPA that Spire and GAI have not received responses for to date (Determination of Eligibility letter for Site 11JY789, the Phase III data recovery plan for Site 11JY789, and Addendum Reports V and VI).

Let me know if a 10 am meeting time works for you. Lori Ferry (Project Manager), along with Ben Resnick and Angie Hood (Principal Investigators) will be calling into the meeting. Doug Sipe (Project Manager/Advisor) might be available to attend the meeting in person at the IHPA's office, but he'll call in if not.

Please contact me with any questions. Thanks!

Best Wishes,

Angie

Angela N. Hood, M.A., RPA

Project Archaeologist

GAI Consultants, 385 East Waterfront Drive, Homestead, PA 15120-5005

D 412.399.5043 **M** 412.228.9807

[Facebook](#) | [LinkedIn](#) | [Twitter](#) | [YouTube](#) | [News & Insights](#)



**ENGINEERING,
PLANNING, AND
ENVIRONMENTAL
CONSULTING SINCE 1958**

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

Ali Trunzo

From: Leibowitz, Rachel <Rachel.Leibowitz@Illinois.gov>
Sent: Tuesday, March 06, 2018 5:00 PM
To: Angela Hood; Vollman, Brant J CIV USARMY CEMVR (US); Blankenship, Tina
Subject: RE: [External] Spire STL Pipeline Project Meeting (IHPA Log # 005080216)

That will work for me. I will reserve the conference room for us.

Rachel Leibowitz, Ph.D.
Deputy State Historic Preservation Officer
Illinois State Historic Preservation Office
Illinois Department of Natural Resources
1 Natural Resources Way
Springfield, Illinois 62702-1271
Phone: (217) 785-5031
E-mail: rachel.leibowitz@illinois.gov

From: Angela Hood [mailto:a.hood@gaiconsultants.com]
Sent: Tuesday, March 06, 2018 3:51 PM
To: Vollman, Brant J CIV USARMY CEMVR (US) <Brant.J.Vollman@usace.army.mil>; Leibowitz, Rachel <Rachel.Leibowitz@Illinois.gov>; Blankenship, Tina <Tina.Blankenship@Illinois.gov>
Subject: [External] Spire STL Pipeline Project Meeting (IHPA Log # 005080216)

Hello,

As we discussed last week, the Spire project team would like to set up a meeting on Thursday, March 22 at 10 am CST with Brant and Rachel to discuss a few archaeological sites we found within a reroute on the Principia property, as well as prior submittals to the IHPA that Spire and GAI have not received responses for to date (Determination of Eligibility letter for Site 11JY789, the Phase III data recovery plan for Site 11JY789, and Addendum Reports V and VI).

Let me know if a 10 am meeting time works for you. Lori Ferry (Project Manager), along with Ben Resnick and Angie Hood (Principal Investigators) will be calling into the meeting. Doug Sipe (Project Manager/Advisor) might be available to attend the meeting in person at the IHPA's office, but he'll call in if not.

Please contact me with any questions. Thanks!

Best Wishes,

Angie

Angela N. Hood, M.A., RPA
Project Archaeologist

GAI Consultants, 385 East Waterfront Drive, Homestead, PA 15120-5005
D 412.399.5043 M 412.228.9807

[Facebook](#) | [LinkedIn](#) | [Twitter](#) | [YouTube](#) | [News & Insights](#)



GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

State of Illinois - CONFIDENTIALITY NOTICE: The information contained in this communication is confidential, may be attorney-client privileged or attorney work product, may constitute inside information or internal deliberative staff communication, and is intended only for the use of the addressee. Unauthorized use, disclosure or copying of this communication or any part thereof is strictly prohibited and may be unlawful. If you have received this communication in error, please notify the sender immediately by return e-mail and destroy this communication and all copies thereof, including all attachments. Receipt by an unintended recipient does not waive attorney-client privilege, attorney work product privilege, or any other exemption from disclosure.



February 16, 2018

Ms. Rachel Leibowitz
Division Manager and Deputy SHPO
Illinois Historic Preservation Agency
1 Natural Resources Way
Springfield, Illinois 62702

**Re: Submittal of Technical Report – Phase I Addendum VI
IHPA Log #: 005080216
Spire STL Pipeline Project
Scott, Greene, and Jersey Counties, Illinois**

Dear Ms. Leibowitz:

On behalf of Spire STL Pipeline LLC ("Spire"), a wholly owned subsidiary of Spire Inc., GAI Consultants, Inc. ("GAI") is submitting for your review and comment the enclosed Phase I Addendum VI Report. Spire is seeking authorization from the Federal Energy Regulatory Commission pursuant to Section 7(c) of the Natural Gas Act to construct and operate the proposed Spire STL Pipeline Project ("Project") located in Scott, Greene, and Jersey Counties, Illinois, and St. Charles and St. Louis Counties, Missouri. The total length of the Project pipelines will be approximately 104 kilometers (65 miles), of which approximately 73.5 kilometers (45.7 miles) are in Illinois.

The Phase I Addendum VI report includes results from a supplemental Phase I cultural resource survey conducted on January 9-13 and 19-20, 2018 within a potential reroute of the Project's pipeline alignment and two associated workspaces from Milepost 44.6-45. For the purposes of this supplemental cultural resource survey, the direct impact Area of Potential Effect ("APE") in Illinois included a 18-45-meter- (59-147-foot-) wide study corridor along 0.7 kilometer (0.43 mile) of proposed pipeline route. The supplemental APE also included two workspaces associated with this potential reroute, covering 0.62 hectare (1.55 acres) and 0.31 hectare (0.77 acre), respectively. It is anticipated the construction right-of-way for the final design of the Project will be narrower and wholly contained within the direct impact APE as defined above. In total, the supplemental archaeological APE for the Illinois portion of the Project included 2.84 hectares (7.04 acres).

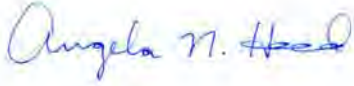
Based on background research conducted for this supplemental survey, no previously recorded cultural resources are mapped within the supplemental APE. Three archaeological sites were identified during the supplemental Phase I archaeological survey, none of which were previously recorded. Two of the three sites are precontact habitations recommended potentially eligible for listing in the National Register of Historic Places (NRHP): Sites 11JY800 and 11JY801. GAI recommends avoidance or Phase II eligibility evaluations for both sites. Additionally, GAI recommends the historic-period component of Site 11JY802 (a late-nineteenth to early-twentieth century habitation and small lithic scatter) is potentially eligible for NRHP listing, and this portion of the site should be avoided or subjected to a Phase II eligibility evaluation. Upon completion of supplemental fieldwork in January 2018, Phase I cultural resources survey has been completed in the Illinois portion of the Project APE, as currently designed.

GAI, on behalf of Spire, is requesting your review and concurrence of the attached Phase I Addendum VI Report. We look forward to continuing to work with you on this Project. Please contact Ms. Angela Hood at 412.399.5043 or a.hood@gaiconsultants.com, if there are questions regarding this report.

February 16, 2018
Project E160438.00, Task 007

Sincerely,

GAI Consultants, Inc.



Angela N. Hood, M.A., RPA
Project Archaeologist



Robin Weissert, CEP
Assistant Environmental Manager

ANH:RW/gmg

Attachments: Attachment 1 (Technical Report - Addendum VI Report, Phase I Archaeological Survey);
Attachment 2 (Archaeological Survey Short Report)

telephone log



gai consultants

Date: February 13, 2018

Project / Admin. No.: E160438.00

Call From: Angie Hood

Company: GAI Consultants, Inc.

Phone No.: 412.228.9807

Call To: Tina Blankenship, Preservation Services Mainline, Rachel Leibowitz, and LaDonna Young

Company: Illinois Historic Preservation Agency (IHPA)

Phone No.: 217.785.4997, 217.782.4836, and 217.785.5031

Subject: Part Time Archaeology Reviewer

cc:

Summary of Discussion, Decisions, and Commitments:

Called Tina Blankenship at 11:40 am to follow up in regards to whether the U.S. Army Corps archaeologist from the Rock Island District (Brant Vollman) joined the IHPA on a part time basis. She did not answer, and her voicemail greeting said that she would be out of the office until February 23, 2018. In her voicemail greeting, she also left a number to call for immediate assistance in her absence: 217.782.4836.

I called the number Tina left for immediate assistance (217.782.4836) at 11:46 am, but no one answered. The voicemail greeting was for the Preservation Services mainline. I left a message asking for a return call to my number regarding the Spire STL Pipeline Project.

After leaving a voicemail on the mainline number, I called Rachel Leibowitz to follow up with her regarding the part time archaeology reviewer. Rachel didn't answer; in her voicemail greeting, she said she would be out of the office until the afternoon of Wednesday, February 14. She also said that the IHPA was closed on Monday, February 12 in observance of President Lincoln's birthday. I left a message asking her to return my call in regards to the Spire STL Pipeline Project, and mentioned that I was following up to see whether a part time archaeology reviewer had joined the IHPA yet.

LaDonna Young (Cultural Resources Secretary) called me at 4:01 pm to return the message I left earlier this morning at the 217.782.4836 number. She said that Brant Vollman was given the Site 11JY789 Determination of Eligibility letter, Addendum V report, and the Phase III work plan for Site 11JY789 on February 8, 2018 to review. He's expected back at the IHPA office sometime next week, but she's not sure exactly when. I asked if she knew when Spire/GAI can expect to receive responses for these submittals, and she said that she wasn't sure, but that the weeks of February 19 or 26 are likely.

Ali Trunzo

From: Angela Hood
Sent: Wednesday, February 07, 2018 6:34 AM
To: 'Blankenship, Tina'
Subject: RE: Spire STL Pipeline Project (IHPA Log# 005080216) Site 11JY789 Determination of Eligibility Letter

Thanks, Tina!

From: Blankenship, Tina [mailto:Tina.Blankenship@Illinois.gov]
Sent: Monday, February 05, 2018 8:09 AM
To: Angela Hood <a.hood@gaiconsultants.com>
Subject: RE: Spire STL Pipeline Project (IHPA Log# 005080216) Site 11JY789 Determination of Eligibility Letter

Good morning

Yes we got the letter; and nothing on the new archaeologist yet. The wheels are turning, I am hearing several hopeful things but haven't seen any bodies yet.
Maybe this week.

Thanks for your patience!!!

Tina Blankenship, Archaeology Division

PLEASE NOTE OUR NEW ADDRESS:

*Illinois Dept of Natural Resources
State Historic Preservation Office
Attn: Review & Compliance/Old State Capitol
One Natural Resources Way
Springfield, Illinois 62702*

Main Line: 217/782-4836

From: Angela Hood [mailto:a.hood@gaiconsultants.com]
Sent: Friday, February 02, 2018 2:15 PM
To: Blankenship, Tina <Tina.Blankenship@Illinois.gov>
Subject: [External] Spire STL Pipeline Project (IHPA Log# 005080216) Site 11JY789 Determination of Eligibility Letter

Hi Tina,

I hope this email finds you well. Just checking in to make sure you received the determination of eligibility letter for Site 11JY789. It should have been delivered to your office yesterday.

I also wanted to follow up in regards to whether an archaeologist had joined the IHPA staff yet, since we're hoping to get some guidance on a few sites we recently found during Phase I survey for the Spire project. Thanks!

Best Wishes,

Angie

Angela N. Hood, M.A., RPA
Project Archaeologist

GAI Consultants, 385 East Waterfront Drive, Homestead, PA 15120-5005

D 412.399.5043 **M** 412.228.9807

[Facebook](#) | [LinkedIn](#) | [Twitter](#) | [YouTube](#) | [News & Insights](#)



**ENGINEERING,
PLANNING, AND
ENVIRONMENTAL
CONSULTING SINCE 1958**

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

State of Illinois - CONFIDENTIALITY NOTICE: The information contained in this communication is confidential, may be attorney-client privileged or attorney work product, may constitute inside information or internal deliberative staff communication, and is intended only for the use of the addressee. Unauthorized use, disclosure or copying of this communication or any part thereof is strictly prohibited and may be unlawful. If you have received this communication in error, please notify the sender immediately by return e-mail and destroy this communication and all copies thereof, including all attachments. Receipt by an unintended recipient does not waive attorney-client privilege, attorney work product privilege, or any other exemption from disclosure.

GAI Consultants, Inc.

Southpointe Office
 6000 Town Center Boulevard, Suite 300
 Canonsburg, PA 15317
 T 724.873.3545 | F 724.873.3549
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	1/19/2018
PROJECT NO.	E160438.00

**Illinois State Historic Preservation Office – Division of
 Historic Preservation**
Review and Compliance-Archaeology Division
1 Natural Resources Way
Springfield, Illinois 62702
Attention: Rachel Leibowitz
Deputy State Historic Preservation Officer

PROJECT TITLE:
Spire STL Pipeline Project

SUBJECT:
Phase III Data Recovery Plan for Site 11JY789

WE ARE SENDING YOU: Paper Documents
VIA: Next Day Delivery
PURPOSE: For Review and Comment

COMMENTS:

ATTACHMENTS:

Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	--	--	January 19, 2018	Phase III Data Recovery Plan for Site 11JY789	--

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected

DISTRIBUTION:

Name	Company	Transmittal (Y/N)	Attachments (Y/N)

Sincerely,



Robin Weissert, CEP
 Assistant Environmental Manager

telephone log



gai consultants

Date: January 17, 2018

Project / Admin. No.: E160438.00

Call From: Tina Blankenship

Company: Illinois Historic Preservation Agency (IHPA)

Phone No.: 217.785.4997

Call To: Ben Resnick

Company: GAI Consultants, Inc.

Phone No.: 412-399-5105

Subject: Determination of Eligibility Letter for Site 11JY789

cc:

Summary of Discussion, Decisions, and Commitments:

Ben asked Tina if the IHPA was still agreeable to GAI/Spire submitting a letter to their office requesting a determination of eligibility for Site 11JY789, given that Joe Phillippe (who suggested this approach) retired at the end of 2017. Tina said that the IHPA is still agreeable to this approach, and to send the letter any time.

Tina also mentioned that an archaeologist still has not been hired to replace Joe, but that the search for a replacement is currently being conducted. An archaeologist from the United States Army Corps of Engineers, Rock Island District may join the IHPA on a part-time basis until a permanent replacement for Joe is found.



January 10, 2018

Ms. Rachel Leibowitz
Division Manager and Deputy SHPO
Illinois Historic Preservation Agency
1 Natural Resources Way
Springfield, Illinois 62702

**Re: Submittal of Technical Report – Phase I Addendum V
IHPA Log #: 005080216
Spire STL Pipeline Project
Scott, Greene, and Jersey Counties, Illinois**

Dear Ms. Leibowitz:

On behalf of Spire STL Pipeline LLC ("Spire"), a wholly owned subsidiary of Spire Inc., GAI Consultants, Inc. ("GAI") is submitting for your review and comment the enclosed Phase I Addendum V Report. Spire is seeking authorization from the Federal Energy Regulatory Commission pursuant to Section 7(c) of the Natural Gas Act to construct and operate the proposed Spire STL Pipeline Project ("Project") located in Scott, Greene, and Jersey Counties, Illinois, and St. Charles and St. Louis Counties, Missouri. The total length of the Project pipelines will be approximately 65 miles, of which approximately 45.35 miles are in Illinois.

The Phase I Addendum V report includes results from a supplemental Phase I cultural resource survey conducted on December 19, 2017 within one land parcel at Milepost ("MP") 32.4-32.9 where survey permission has been granted since the last Phase I field session concluded in November 2017. For the purposes of this supplemental cultural resource survey, the direct impact Area of Potential Effect ("APE") in Illinois included a 78-meter- (256-foot-) wide study corridor centered on 0.81 kilometer (0.5 mile) of proposed pipeline route. It is anticipated that the construction right-of-way for the final design of the Project will be narrower and wholly contained within the direct impact APE as defined above. In total, the Addendum V supplemental archaeological APE for the Illinois portion of the Project included 6.49 hectares (16.04 acres). Based on background research conducted for this supplemental survey, no previously recorded cultural resources are mapped within the supplemental APE. Furthermore, no cultural resources were identified during Phase I survey of the supplemental APE in December 2017. Upon completion of supplemental fieldwork in December 2017, Phase I cultural resources survey has been completed in the Illinois portion of the Project APE, as currently designed. Based on consultation with the Illinois Historic Preservation Agency ("IHPA"), Spire understands that Project impacts to Site 11JY789 need to be avoided, given that the site is potentially eligible for listing in the National Register of Historic Places. If site avoidance is not possible, then a Phase II eligibility evaluation needs to be conducted at the site.

The Addendum V report also includes recent Project design changes to the proposed pipeline alignment in the vicinity of MP 2.2R3-3R3 and 14.4-15.1, where the preferred route will return to the alignment presented in the initial Phase I report submitted to the IHPA in January 2017. Also, an additional temporary workspace previously located at MP 43.9 has been eliminated from the Project design and will no longer be a part of the Project APE or construction right-of-way. Based on past consultation with the IHPA, GAI recommends no further work at MP 2.2R3-3R3, 14.4-15.1, and 43.9.

January 10, 2018
Project E160438.00, Task 007

GAI, on behalf of Spire, is requesting your review and concurrence of the attached Phase I Addendum V Report. We look forward to continuing to work with you on this Project. Please contact Mr. Benjamin Resnick at 412.399.5105 or b.resnick@gaiconsultants.com, if there are questions regarding this report.

Sincerely,

GAI Consultants, Inc.



Ben Resnick, M.A., M.B.A., RPA

Cultural Resources Group Manager, Assistant Vice President, Energy/Natural Gas



Robin Weissert, CEP

Assistant Environmental Manager

BR:RW/gmg

Attachments: Attachment 1 (Technical Report - Addendum V Report, Phase I Archaeological Survey);
Attachment 2 (Archaeological Survey Short Report)



Illinois Department of Natural Resources

One Natural Resources Way Springfield, Illinois 62702-1271
www.dnr.illinois.gov

Bruce Rauner, Governor
Wayne A. Rosenthal, Director

Various County PLEASE REFER TO: SHPO LOG #005080216
Scott, Greene & Jersey Co.
Illinois: Scott, Greene & Jersey Counties; Missouri: St. Charles & St. Louis Counties
FERC-CP17-40-000-001, GAIC-E160438.00
New construction, Spire STL Pipeline – *Addendum IV*

December 20, 2017

Angela N. Hood
GAI Consultants, Inc.-Southpointe Office
6000 Towne Center Blvd., Suite 300
Cannonsburg, PA 15317-5841

Dear Ms. Hood:

We have reviewed the documentation submitted for the referenced project(s) in accordance with 36 CFR Part 800.4. Based upon the information provided, no historic properties are affected. We, therefore, have no objection to the undertaking proceeding as planned.

Please retain this letter in your files as evidence of compliance with section 106 of the National Historic Preservation Act of 1966, as amended. This clearance remains in effect for two (2) years from date of issuance. It does not pertain to any discovery during construction, nor is it a clearance for purposes of the Illinois Human Skeletal Remains Protection Act (20 ILCS 3440).

If you are an applicant, please submit a copy of this letter to the state or federal agency from which you obtain any permit, license, grant, or other assistance. If further assistance is needed contact Joe Phillippe of my office at 217/785-1279 or joe.phillippe@illinois.gov.

Sincerely,

Rachel Leibowitz, Ph.D.
Deputy State Historic
Preservation Officer



December 5, 2017

Ms. Rachel Leibowitz
Division Manager and Deputy SHPO
Illinois Historic Preservation Agency
1 Natural Resources Way
Springfield, Illinois 62702

**Re: Submittal of Technical Report – Phase I Addendum IV
IHPA Log #: 005080216
Spire STL Pipeline Project
Scott, Greene, and Jersey Counties, Illinois**

Dear Ms. Leibowitz:

On behalf of Spire STL Pipeline LLC ("Spire"), a wholly owned subsidiary of Spire Inc., GAI Consultants, Inc. ("GAI") is submitting for your review and comment the enclosed Phase I Addendum IV Report. Spire is seeking authorization from the Federal Energy Regulatory Commission pursuant to Section 7(c) of the Natural Gas Act to construct and operate the proposed Spire STL Pipeline Project ("Project") located in Scott, Greene, and Jersey Counties, Illinois, and St. Charles and St. Louis Counties, Missouri. The total length of the Project pipelines will be approximately 65 miles, of which approximately 45.35 miles are in Illinois.

The Phase I Addendum IV report includes results from a supplemental Phase I cultural resource survey conducted between November 1 and 7, 2017 within two land parcels where survey permission has been granted since the last Phase I field session concluded in August 2017, and two Project centerline reroutes that include previously un-surveyed areas (Mileposts 2.4R2-2.6R2 and 14.4-15.1). For the purposes of this supplemental cultural resource survey, the direct impact Area of Potential Effect (APE) in Illinois included a 91.44-meter- (300-foot-) wide study corridor centered on 1.96 kilometers (1.22 miles) of proposed pipeline route and the footprint of a proposed additional temporary workspace (0.47-hectare [1.18-acre] of which is located outside the previously surveyed pipeline study corridor). It is anticipated that the construction right-of-way for the final design of the Project will be narrower and wholly contained within the direct impact APE as defined above. In total, the supplemental archaeological APE for the Illinois portion of the Project included 14.23 hectares (35.18 acres).

Due to land access restrictions, 11.39 hectares (28.15 acres) or 1 percent of the total Project APE in Illinois has not been subjected to Phase I survey. This includes a 91.44-meter- (300-foot-) wide study corridor centered on approximately 1.2 kilometers (0.75 mile) of proposed centerline (MP 2.7R2-2.9R2 and 32.4-32.9) and the footprint of an additional temporary workspace (MP 43.9), 0.35 hectare (0.88 acre) of which is located outside the previously surveyed pipeline study corridor. GAI and Spire anticipate completing Phase I survey for the remaining 11.39 hectares (28.15 acres) in the first quarter of 2018.

Based on background research conducted for this supplemental survey, one previously recorded archaeological site is mapped within the archaeological APE: 11GE18. This site was not re-identified within the supplemental APE during Phase I survey.

In total, three archaeological sites and four isolated finds were identified during the supplemental Phase I survey, none of which was previously recorded. GAI recommends that all seven resources are Not Eligible for NRHP listing, and no further work is recommended for these resources.

GAI, on behalf of Spire, is requesting your review and concurrence of the attached Phase I Addendum IV Report. We look forward to continuing to work with you on this Project. Please contact Ms. Angela Hood at 412.399.5043 or a.hood@gaiconsultants.com, if there are questions regarding this report.

Sincerely,

GAI Consultants, Inc.



Angela N. Hood, M.A., RPA
Project Archaeologist



Robin Weissert, CEP
Assistant Environmental Manager

ANH:RW/gmg

Attachments: Attachment 1 (Technical Report - Addendum IV Report, Phase I Archaeological Survey);
Attachment 2 (Archaeological Survey Short Report)



IHPA Log#: 005080216

November 9, 2017

GAI Project#: E160438.00

FERC Docket#: CP17-40-000

RECEIVED

NOV 13 2017

PRESERVATION SERVICES

Ms. Tina Blankenship
Illinois State Historic Preservation Office
Illinois Department of Natural Resources
Review & Compliance-Archaeology Division
One Natural Resources Way
Springfield, Illinois 62702

**Re: Summary of Cultural Resources Consultation (to date), and
Request for Concurrences
Spire STL, LLC.
Spire STL Pipeline
Scott, Greene, and Jersey Counties, Illinois**

IHPA REVIEW
H/A _____
AR _____
File _____

Dear Ms. Blankenship:

Spire STL Pipeline LLC (Spire), a wholly owned subsidiary of Spire Inc., is nearing the end of planning stages of the Spire STL Pipeline (Project), located in Scott, Greene, and Jersey Counties in Illinois and in St. Charles and St. Louis Counties in Missouri. Spire is seeking authorization for the undertaking from the Federal Energy Regulatory Commission (the FERC), pursuant to Section 7(c) of the Natural Gas Act, to construct and operate the proposed Spire STL Pipeline Project (Project) located in Scott, Greene, and Jersey Counties, Illinois, and St. Charles and St. Louis Counties, Missouri. The total length of the Project pipelines will be approximately 65 miles, of which approximately 45.35 miles are in Illinois.

Based on a November 3, 2017 e-mail discussion with your office, GAI Consultants, Inc. (GAI) is submitting this letter to summarize the whole of cultural resources submittals for the Project that were provided to your office, to date.

The cultural resources studies discussed herein were conducted in accordance the National Environmental Policy Act, Section 106 of the National Historic Preservation Act of 1966, as amended, the guidelines developed by the Advisory Council on Historic Preservation published November 26, 1980; and the amended *Procedures for the Protection of Historic and Cultural Properties* as set forth in 36 CFR Part 800. These investigations were also conducted pursuant to the FERC's 2002 and revised 2017 *Guidelines for Reporting on Cultural Resources for Pipeline Projects*. Methods conformed to guidelines for conducting cultural resources investigations established by the Illinois Historic Preservation Agency (IHPA).

At the request of the FERC, Spire has been asked to provide clarification regarding review and concurrence from your office pertaining to cultural resource reports submitted throughout the course of the Project's design phase. These submittals include:

- 1. Post-review Discovery (36CFR800.13):** *Unanticipated Discoveries Plan for Cultural Resources* (Glenn 2016); submitted October 28, 2016 and resubmitted to your office on April 10, 2017
- 2. Initial Phase I Report:** *Technical Report, Phase I Archaeological Survey and Architectural Resources Survey* (Scuoteguazza et al., 2017); submitted January 25, 2017

3. **Addendum I:** *Technical Report Addendum I, Phase I Archaeological Survey* (Scuoteguazza et al., 2017); submitted April 21, 2017
4. **Addendum II:** *Technical Report – Addendum II, Phase I Archaeological Survey* (Scuoteguazza et al., 2017); submitted July 14, 2017
5. **Phase II Evaluation:** *Technical Report, Phase II Archaeological Testing at Site 11JY751* (Scuoteguazza 2017); (submitted on July 14, 2017)
6. **Phase II Evaluation:** *Technical Report, Phase II Archaeological Testing at Site 11JY765* (Scuoteguazza and Munford 2017); (submitted on July 14, 2017)
7. **Addendum III:** *Technical Report – Addendum III, Phase I Cultural Resources Survey* (Scuoteguazza and Hood, 2017); submitted September 29, 2017

The initial Phase I cultural resources report (submitted January 25, 2017) documented work conducted between October and December 2016, including discovery of 113 archaeological sites, 57 isolated finds, and 31 historic and architectural resources. One of the archaeological resources was previously recorded (11GE18), while the remaining were newly identified during Phase I survey for the Project. GAI recommended that 103 of the 113 archaeological sites and all 57 isolated finds are not eligible for listing in the National Register of Historic Places (NRHP). GAI further recommended that the remaining 10 archaeological sites are potentially eligible for NRHP listing. These are: 11JY700, 11JY680, 11JY661, 11ST613, 11GE758, 11GE757, 11GE789, 11JY698, 11JY699, and 11GE773. Two of the potentially eligible sites (11GE789 and 11GE773) were located within the Project study area but outside of the proposed construction right-of-way (ROW), and were therefore not going to be impacted by planned construction activities. As such, GAI recommended no further work for these two sites. GAI recommended that impacts to the remaining eight potentially eligible sites should either be avoided or Phase II NRHP eligibility evaluations be conducted.

Your office concurred with these recommendations in a letter dated June 22, 2017 (Attachment 1). However, as stated in the subsequent Phase I Addendum I survey report (submitted April 21, 2017), which discussed Project activities from February to March 2017, design changes were implemented to avoid these potentially eligible sites, and none of the 10 was to be impacted by the Project.

In addition to clarifying design changes that occurred since the January report, Addendum I also presented 40 newly identified archaeological resources, including 34 sites and six isolated finds. In that report, GAI recommended that all of the sites were not eligible for NRHP listing, with the exception of Sites 11GE757 and 11GE758, which we recommend as potentially eligible. However, based on additional design changes, the current Project avoids both sites, as they are now located outside the proposed construction ROW. A discussion of this avoidance was included in the Phase I Addendum I Report. An e-mail discussion occurring on July 20, 2017 indicated that the June 22, 2017 letter (above) included concurrence for this April addendum (Attachment 2). However, the FERC is requesting confirmation that your office specifically concurs with the findings of this April report (Addendum 1).

Addendum II (July 2017) also provided a discussion for studies that occurred between March and June 2017, which encountered 28 archaeological sites and one isolated find. Three of these sites were recommended as potentially eligible for NRHP listing—11JY751, 11JY765, and 11JY778, while the remaining resources were recommended as not eligible. An avoidance measure to Site 11JY778 via timber matting was discussed with your office on May 23, 2017 (Attachment 3). This measure was included in the Addendum II report, and formal evaluation was therefore not conducted at this location.

Sites 11JY751 and 11JY765 could not be avoided by Project activities, and both were subsequently subjected to formal (Phase II) NRHP evaluation. Reports of these evaluations were also submitted to your office on July 14, 2017. Evaluation indicated that the portion of Site 11JY751 that lies within the Project area does not contribute to the overall significance of the site and that no further considerations are needed, as designed. Evaluation also indicated that Site 11JY765 does not meet NRHP criteria for listing and does not therefore need to be avoided or mitigated. Verbal (e-mail) approval was provided by your office on October 4, 2017 (Attachment 4), but formal concurrence letters have not yet been received for these two site evaluations.

Finally, Phase I Addendum III report was submitted to your office on September 29, 2017. This report pertained to investigations occurring in August 2017, including discovery of 14 archaeological sites and

three isolated finds. One of the sites was previously recorded 11JY666. Twelve of the sites and all of the isolated finds were recommended as not eligible for NRHP listing, while two of the sites (11JY789 and 11JY799) are considered to be potentially eligible. Potential avoidance measures are being considered for 11JY789. Once land access is obtained, additional Phase I studies will occur on a western reroute to avoid the site. If a reroute avoidance is not feasible, Phase II evaluation is planned. Site 11JY799 is within the study limits but beyond the Project's construction ROW, so no further considerations are planned at this location, as designed.

To summarize, Spire is specifically requesting your concurrence on the following items:

1. **Post-review Discovery (36CFR800.13):** *Unanticipated Discoveries Plan for Cultural Resources* (Glenn 2016); submitted October 28, 2016 and resubmitted April 10, 2017

Please provide your concurrence that this plan is suitable to address accidental discoveries of cultural resources during pipeline construction or maintenance, per 36CFR800.13 (*Post Review Discoveries Clause*)

2. **Initial Phase I Report:** *Technical Report, Phase I Archaeological Survey and Architectural Resources Survey* (Scuoteguazza et al., 2017); submitted January 25, 2017

The attached letter dated June 22, 2017 provides your concurrence for the recommendations contained within the report. However, please note that avoidance of all ten potentially eligible resources was achieved via design changes (discussed in Addendum I).

3. **Addendum I:** *Technical Report – Addendum I, Phase I Archaeological Survey* (Scuoteguazza et al., 2017); submitted April 21, 2017

Please provide your concurrence with the recommendations contained within this report, while noting that sites 11GE757 and 11GE758 will now be avoided, as discussed in Addendum I. An e-mail discussion occurring on July 20, 2017 indicated that the previous clearance letter (June 22, 2017) included this concurrence. However, as requested by the FERC, please confirm that your office also specifically concurs with the findings of (Addendum 1).

4. **Addendum II:** *Technical Report – Addendum II, Phase I Archaeological Survey* (Scuoteguazza et al., 2017); submitted July 14, 2017

Please provide your concurrence with the recommendations contained within this report, including the proposed avoidance measure to Site 11JY778 via timber matting, as discussed with your office on May 23, 2017 (Attachment 2).

5. **Phase II Evaluation:** *Technical Report, Phase II Archaeological Testing at Site 11JY751* (Scuoteguazza 2017); (submitted on July 14, 2017)

Please provide your concurrence that the portion of Site 11JY751 located within the Project's construction limits is unlikely to contribute to the overall significance of the site, and that no further investigations are required, as designed. See e-mail approval in Attachment 3.

6. **Phase II Evaluation:** *Technical Report, Phase II Archaeological Testing at Site 11JY765* (Scuoteguazza and Munford 2017); (submitted on July 14, 2017)

Please provide your concurrence that site 11JY765 does not meet criteria for listing on the NRHP, and that it therefore requires no further consideration. See e-mail approval in Attachment 3.

7. **Addendum III:** *Technical Report – Addendum III, Phase I Cultural Resources Survey* (Scuoteguazza and Hood, 2017); submitted September 29, 2017

Please provide your concurrence with the recommendations contained within this report

Also, please note that, at the time of the September 29, 2017 submittal, 256 archaeological resources, including 189 sites and 67 isolated finds, were reported on and submitted to your office in the above-

mentioned documents. Since the September 29, 2017 submittal, further studies have been conducted in areas where rerouting has occurred and additional rerouting has altered the APE. This information will be presented in a fourth addendum report to be submitted to your office in November 2017.

Thank you for your attention to these matters. Should you have questions or require additional information, feel free to contact me at 412.399.5188 or via e-mail at e.scuoteguazza@gaiconsultants.com.

Sincerely,
GAI Consultants, Inc.



Eric P. Scuoteguazza, M.A., M.B.A., RPA
Senior Manager, Cultural Resources



Robin Weissert, CEP
Assistant Environmental Manager

CONCUR

By: Rachel Libowitz
Deputy State Historic Preservation Officer

Date: 11-15-17

EPS/RW:eps

- Attachments:
- 1) Previous IHPA Clearance Letter (June 22, 2017)
 - 2) IHPA E-mail Regarding Addendum I Concurrence (July 20, 2017)
 - 3) Telephone Log with IHPA on Site Avoidance Measures (May 23, 2017)
 - 4) IHPA E-mail Regarding Phase II Review of 11JY751 and 11JY765 (October 4, 2017)

Ali Trunzo

Subject: FW: Spire Pipeline clearances

----- Original message -----

From: "Blankenship, Tina" <Tina.Blankenship@Illinois.gov>

Date: 11/15/17 8:15 AM (GMT-05:00)

To: Eric Scuoteguazza <e.scuoteguazza@gaiconsultants.com>

Cc: "Phillippe, Joe" <Joe.Phillippe@Illinois.gov>, Robin Weissert <R.Weissert@gaiconsultants.com>, Ali Trunzo <A.Trunzo@gaiconsultants.com>, Angela Hood <a.hood@gaiconsultants.com>

Subject: RE: Spire Pipeline clearances

I did get it yesterday, I will get it logged and up to Joe this morning. Hopefully he will have it back to me by the end of the week.

Tina Blankenship, Archaeology Division

PLEASE NOTE OUR NEW ADDRESS:

Illinois State Historic Preservation Office

Illinois Dept of Natural Resources

Attn: Review & Compliance/Old State Capital

One Natural Resources Way

Springfield, Illinois 62702

Main Line: 217/782-4836

From: Eric Scuoteguazza [<mailto:e.scuoteguazza@gaiconsultants.com>]

Sent: Tuesday, November 14, 2017 3:16 PM

To: Blankenship, Tina <Tina.Blankenship@Illinois.gov>

Cc: Phillippe, Joe <Joe.Phillippe@Illinois.gov>; Robin Weissert <R.Weissert@gaiconsultants.com>; Ali Trunzo <A.Trunzo@gaiconsultants.com>; Angela Hood <a.hood@gaiconsultants.com>

Subject: [External] RE: Spire Pipeline clearances

Hi Tina. I noted that the letter made it through the mail, but I just wanted to confirm that it actually got to you. Also, please let me know if you have an idea of when we may be able to hear back on it. I know it's a lot of info to digest, and that I have seemed anxious. But, coming to the end of this big project, we are feeling the "crunch" to tie up the loose ends.

Plus, but with the holiday coming, I was just hoping for a general idea if we should see it before then.

Thanks!

Eric

From: Blankenship, Tina [<mailto:Tina.Blankenship@Illinois.gov>]
Sent: Thursday, November 09, 2017 4:00 PM
To: Eric Scuoteguazza <e.scuoteguazza@gaiconsultants.com>
Cc: Phillippe, Joe <Joe.Phillippe@Illinois.gov>
Subject: RE: Spire Pipeline clearances

OK Sounds good.

Tina Blankenship, Archaeology Division

PLEASE NOTE OUR NEW ADDRESS:

*Illinois State Historic Preservation Office
Illinois Dept of Natural Resources
Attn: Review & Compliance/Old State Capital
One Natural Resources Way
Springfield, Illinois 62702*

Main Line: 217/782-4836

From: Eric Scuoteguazza [<mailto:e.scuoteguazza@gaiconsultants.com>]
Sent: Thursday, November 09, 2017 2:58 PM
To: Blankenship, Tina <Tina.Blankenship@Illinois.gov>
Cc: Phillippe, Joe <Joe.Phillippe@Illinois.gov>
Subject: [External] RE: Spire Pipeline clearances

You too! Enjoy your day off. FYI, I just dropped the letter into "next day" mail, so with your holiday, you should get it Monday.

From: Blankenship, Tina [<mailto:Tina.Blankenship@Illinois.gov>]
Sent: Thursday, November 09, 2017 3:53 PM
To: Eric Scuoteguazza <e.scuoteguazza@gaiconsultants.com>
Cc: Phillippe, Joe <Joe.Phillippe@Illinois.gov>
Subject: RE: Spire Pipeline clearances

OK Thanks We will be watching for the hard copy and get it processed as soon as it arrives.

Have a good weekend!!

Tina Blankenship, Archaeology Division

PLEASE NOTE OUR NEW ADDRESS:

Illinois State Historic Preservation Office

*Illinois Dept of Natural Resources
Attn: Review & Compliance/Old State Capital
One Natural Resources Way
Springfield, Illinois 62702*

Main Line: 217/782-4836


From: Eric Scuoteguazza [<mailto:e.scuoteguazza@gaiconsultants.com>]
Sent: Thursday, November 09, 2017 2:24 PM
To: Blankenship, Tina <Tina.Blankenship@Illinois.gov>
Cc: Phillippe, Joe <Joe.Phillippe@Illinois.gov>; Angela Hood <a.hood@gaiconsultants.com>; Robin Weissert <R.Weissert@gaiconsultants.com>; Ali Trunzo <A.Trunzo@gaiconsultants.com>
Subject: [External] RE: Spire Pipeline clearances

Good afternoon, Tina. I have attached a "courtesy copy" of the summary letter that you requested. I will also send a hardcopy. Let me know if you need to discuss.

Thanks again. We appreciate your help.

Eric

Eric P. Scuoteguazza, M.A., M.B.A., RPA
Group Manager, Cultural Resources

GAI Consultants, Inc.
385 East Waterfront Drive, Homestead, PA 15120-5005
412.399.5188 | C 412.216.4640 | 

 transforming ideas into reality, since 1958 | gaiconsultants.com

CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

Ali Trunzo






From: Eric Scuoteguazza
Sent: Thursday, November 09, 2017 3:24 PM
To: Blankenship, Tina
Cc: Phillippe, Joe; Angela Hood; Robin Weissert; Ali Trunzo
Subject: RE: Spire Pipeline clearances
Attachments: Spire IHPA summary letter (2017 11-09).pdf

Good afternoon, Tina. I have attached a "courtesy copy" of the summary letter that you requested. I will also send a hardcopy. Let me know if you need to discuss.

Thanks again. We appreciate your help.

Eric

Eric P. Scuoteguazza, M.A., M.B.A., RPA
Group Manager, Cultural Resources

GAI Consultants, Inc.
385 East Waterfront Drive, Homestead, PA 15120-5005
412.399.5188 | C 412.216.4640 |     

 transforming ideas into reality, since 1958 | gaiconsultants.com

CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

From: Blankenship, Tina [mailto:Tina.Blankenship@Illinois.gov]
Sent: Friday, November 03, 2017 2:05 PM
To: Eric Scuoteguazza <e.scuoteguazza@gaiconsultants.com>
Subject: RE: Spire Pipeline clearances

That sounds great!! Keep in mind we are off next Friday, so if you want it back next week we will need to have it by Thursday.

Have a good weekend!!

Tina Blankenship, Archaeology Division

PLEASE NOTE OUR NEW ADDRESS:
*Illinois State Historic Preservation Office
Illinois Dept of Natural Resources
Attn: Review & Compliance/Old State Capital*



IHPA Log#: 005080216

November 9, 2017

GAI Project#: E160438.00

FERC Docket#: CP17-40-000

Ms. Tina Blankenship
Illinois State Historic Preservation Office
Illinois Department of Natural Resources
Review & Compliance-Archaeology Division
One Natural Resources Way
Springfield, Illinois 62702

**Re: Summary of Cultural Resources Consultation (to date), and
Request for Concurrences
Spire STL, LLC.
Spire STL Pipeline
Scott, Greene, and Jersey Counties, Illinois**

Dear Ms. Blankenship:

Spire STL Pipeline LLC (Spire), a wholly owned subsidiary of Spire Inc., is nearing the end of planning stages of the Spire STL Pipeline (Project), located in Scott, Greene, and Jersey Counties in Illinois and in St. Charles and St. Louis Counties in Missouri. Spire is seeking authorization for the undertaking from the Federal Energy Regulatory Commission (the FERC), pursuant to Section 7(c) of the Natural Gas Act, to construct and operate the proposed Spire STL Pipeline Project (Project) located in Scott, Greene, and Jersey Counties, Illinois, and St. Charles and St. Louis Counties, Missouri. The total length of the Project pipelines will be approximately 65 miles, of which approximately 45.35 miles are in Illinois.

Based on a November 3, 2017 e-mail discussion with your office, GAI Consultants, Inc. (GAI) is submitting this letter to summarize the whole of cultural resources submittals for the Project that were provided to your office, to date.

The cultural resources studies discussed herein were conducted in accordance the National Environmental Policy Act, Section 106 of the National Historic Preservation Act of 1966, as amended, the guidelines developed by the Advisory Council on Historic Preservation published November 26, 1980; and the amended *Procedures for the Protection of Historic and Cultural Properties* as set forth in 36 CFR Part 800. These investigations were also conducted pursuant to the FERC's 2002 and revised 2017 *Guidelines for Reporting on Cultural Resources for Pipeline Projects*. Methods conformed to guidelines for conducting cultural resources investigations established by the Illinois Historic Preservation Agency (IHPA).

At the request of the FERC, Spire has been asked to provide clarification regarding review and concurrence from your office pertaining to cultural resource reports submitted throughout the course of the Project's design phase. These submittals include:

1. **Post-review Discovery (36CFR800.13):** *Unanticipated Discoveries Plan for Cultural Resources* (Glenn 2016); submitted October 28, 2016 and resubmitted to your office on April 10, 2017
2. **Initial Phase I Report:** *Technical Report, Phase I Archaeological Survey and Architectural Resources Survey* (Scuoteguazza et al., 2017); submitted January 25, 2017

3. **Addendum I:** *Technical Report – Addendum I, Phase I Archaeological Survey* (Scuoteguazza et al., 2017); submitted April 21, 2017
4. **Addendum II:** *Technical Report – Addendum II, Phase I Archaeological Survey* (Scuoteguazza et al., 2017); submitted July 14, 2017
5. **Phase II Evaluation:** *Technical Report, Phase II Archaeological Testing at Site 11JY751* (Scuoteguazza 2017); (submitted on July 14, 2017)
6. **Phase II Evaluation:** *Technical Report, Phase II Archaeological Testing at Site 11JY765* (Scuoteguazza and Munford 2017); (submitted on July 14, 2017)
7. **Addendum III:** *Technical Report – Addendum III, Phase I Cultural Resources Survey* (Scuoteguazza and Hood, 2017); submitted September 29, 2017

The initial Phase I cultural resources report (submitted January 25, 2017) documented work conducted between October and December 2016, including discovery of 113 archaeological sites, 57 isolated finds, and 31 historic and architectural resources. One of the archaeological resources was previously recorded (11GE18), while the remaining were newly identified during Phase I survey for the Project. GAI recommended that 103 of the 113 archaeological sites and all 57 isolated finds are not eligible for listing in the National Register of Historic Places (NRHP). GAI further recommended that the remaining 10 archaeological sites are potentially eligible for NRHP listing. These are: 11JY700, 11JY680, 11JY661, 11ST613, 11GE758, 11GE757, 11GE789, 11JY698, 11JY699, and 11GE773. Two of the potentially eligible sites (11GE789 and 11GE773) were located within the Project study area but outside of the proposed construction right-of-way (ROW), and were therefore not going to be impacted by planned construction activities. As such, GAI recommended no further work for these two sites. GAI recommended that impacts to the remaining eight potentially eligible sites should either be avoided or Phase II NRHP eligibility evaluations be conducted.

Your office concurred with these recommendations in a letter dated June 22, 2017 (Attachment 1). However, as stated in the subsequent Phase I Addendum I survey report (submitted April 21, 2017), which discussed Project activities from February to March 2017, design changes were implemented to avoid these potentially eligible sites, and none of the 10 was to be impacted by the Project.

In addition to clarifying design changes that occurred since the January report, Addendum I also presented 40 newly identified archaeological resources, including 34 sites and six isolated finds. In that report, GAI recommended that all of the sites were not eligible for NRHP listing, with the exception of Sites 11GE757 and 11GE758, which we recommend as potentially eligible. However, based on additional design changes, the current Project avoids both sites, as they are now located outside the proposed construction ROW. A discussion of this avoidance was included in the Phase I Addendum I Report. An e-mail discussion occurring on July 20, 2017 indicated that the June 22, 2017 letter (above) included concurrence for this April addendum (Attachment 2). However, the FERC is requesting confirmation that your office specifically concurs with the findings of this April report (Addendum 1).

Addendum II (July 2017) also provided a discussion for studies that occurred between March and June 2017, which encountered 28 archaeological sites and one isolated find. Three of these sites were recommended as potentially eligible for NRHP listing—11JY751, 11JY765, and 11JY778, while the remaining resources were recommended as not eligible. An avoidance measure to Site 11JY778 via timber matting was discussed with your office on May 23, 2017 (Attachment 3). This measure was included in the Addendum II report, and formal evaluation was therefore not conducted at this location.

Sites 11JY751 and 11JY765 could not be avoided by Project activities, and both were subsequently subjected to formal (Phase II) NRHP evaluation. Reports of these evaluations were also submitted to your office on July 14, 2017. Evaluation indicated that the portion of Site 11JY751 that lies within the Project area does not contribute to the overall significance of the site and that no further considerations are needed, as designed. Evaluation also indicated that Site 11JY765 does not meet NRHP criteria for listing and does not therefore need to be avoided or mitigated. Verbal (e-mail) approval was provided by your office on October 4, 2017 (Attachment 4), but formal concurrence letters have not yet been received for these two site evaluations.

Finally, Phase I Addendum III report was submitted to your office on September 29, 2017. This report pertained to investigations occurring in August 2017, including discovery of 14 archaeological sites and

three isolated finds. One of the sites was previously recorded—11JY666. Twelve of the sites and all of the isolated finds were recommended as not eligible for NRHP listing, while two of the sites (11JY789 and 11JY799) are considered to be potentially eligible. Potential avoidance measures are being considered for 11JY789. Once land access is obtained, additional Phase I studies will occur on a western reroute to avoid the site. If a reroute avoidance is not feasible, Phase II evaluation is planned. Site 11JY799 is within the study limits but beyond the Project's construction ROW, so no further considerations are planned at this location, as designed.

To summarize, Spire is specifically requesting your concurrence on the following items:

1. **Post-review Discovery (36CFR800.13):** *Unanticipated Discoveries Plan for Cultural Resources* (Glenn 2016); submitted October 28, 2016 and resubmitted April 10, 2017

Please provide your concurrence that this plan is suitable to address accidental discoveries of cultural resources during pipeline construction or maintenance, per 36CFR800.13 (*Post Review Discoveries Clause*)

2. **Initial Phase I Report:** *Technical Report, Phase I Archaeological Survey and Architectural Resources Survey* (Scuoteguazza et al., 2017); submitted January 25, 2017

The attached letter dated June 22, 2017 provides your concurrence for the recommendations contained within the report. However, please note that avoidance of all ten potentially eligible resources was achieved via design changes (discussed in Addendum I).

3. **Addendum I:** *Technical Report – Addendum I, Phase I Archaeological Survey* (Scuoteguazza et al., 2017); submitted April 21, 2017

Please provide your concurrence with the recommendations contained within this report, while noting that sites 11GE757 and 11GE758 will now be avoided, as discussed in Addendum I. An e-mail discussion occurring on July 20, 2017 indicated that the previous clearance letter (June 22, 2017) included this concurrence. However, as requested by the FERC, please confirm that your office also specifically concurs with the findings of (Addendum 1).

4. **Addendum II:** *Technical Report – Addendum II, Phase I Archaeological Survey* (Scuoteguazza et al., 2017); submitted July 14, 2017

Please provide your concurrence with the recommendations contained within this report, including the proposed avoidance measure to Site 11JY778 via timber matting, as discussed with your office on May 23, 2017 (Attachment 2).

5. **Phase II Evaluation:** *Technical Report, Phase II Archaeological Testing at Site 11JY751* (Scuoteguazza 2017); (submitted on July 14, 2017)

Please provide your concurrence that the portion of Site 11JY751 located within the Project's construction limits is unlikely to contribute to the overall significance of the site, and that no further investigations are required, as designed. See e-mail approval in Attachment 3.

6. **Phase II Evaluation:** *Technical Report, Phase II Archaeological Testing at Site 11JY765* (Scuoteguazza and Munford 2017); (submitted on July 14, 2017)

Please provide your concurrence that site 11JY765 does not meet criteria for listing on the NRHP, and that it therefore requires no further consideration. See e-mail approval in Attachment 3.

7. **Addendum III:** *Technical Report – Addendum III, Phase I Cultural Resources Survey* (Scuoteguazza and Hood, 2017); submitted September 29, 2017

Please provide your concurrence with the recommendations contained within this report

Also, please note that, at the time of the September 29, 2017 submittal, 256 archaeological resources, including 189 sites and 67 isolated finds, were reported on and submitted to your office in the above-

mentioned documents. Since the September 29, 2017 submittal, further studies have been conducted in areas where rerouting has occurred and additional rerouting has altered the APE. This information will be presented in a fourth addendum report to be submitted to your office in November 2017.

Thank you for your attention to these matters. Should you have questions or require additional information, feel free to contact me at 412.399.5188 or via e-mail at e.scuoteguazza@gaiconsultants.com.

Sincerely,

GAI Consultants, Inc.



Eric P. Scuoteguazza, M.A., M.B.A., RPA
Senior Manager, Cultural Resources



Robin Weissert, CEP
Assistant Environmental Manager

EPS/RW:eps

- Attachments:
- 1) Previous IHPA Clearance Letter (June 22, 2017)
 - 2) IHPA E-mail Regarding Addendum I Concurrence (July 20, 2017)
 - 3) Telephone Log with IHPA on Site Avoidance Measures (May 23, 2017)
 - 4) IHPA E-mail Regarding Phase II Review of 11JY751 and 11JY765 (October 4, 2017)

Ali Trunzo

From: Eric Scuoteguazza
Sent: Friday, November 03, 2017 2:01 PM
To: Blankenship, Tina
Cc: Angela Hood; Robin Weissert; Ali Trunzo
Subject: RE: Spire Pipeline clearances

Ok, we discussed this at our meeting, and we decided to take you up on the offer to review and “stamp” a letter written by us.

That will save you some effort in piecing it all together. Basically, I will explicitly summarize the clearances that may be outstanding, as well as the one that FERC should like conformation for (Addendum 1). Thanks again. I will get that out to this coming next week.

From: Blankenship, Tina [mailto:Tina.Blankenship@Illinois.gov]
Sent: Friday, November 03, 2017 11:08 AM
To: Eric Scuoteguazza <e.scuoteguazza@gaiconsultants.com>
Subject: RE: Spire Pipeline clearances

Oh, oops, yeah, either way.

Thanks

Tina Blankenship, Archaeology Division

PLEASE NOTE OUR NEW ADDRESS:

*Illinois State Historic Preservation Office
Illinois Dept of Natural Resources
Attn: Review & Compliance/Old State Capital
One Natural Resources Way
Springfield, Illinois 62702*

Main Line: 217/782-4836

From: Eric Scuoteguazza [mailto:e.scuoteguazza@gaiconsultants.com]
Sent: Friday, November 03, 2017 10:07 AM
To: Blankenship, Tina <Tina.Blankenship@Illinois.gov>; Phillippe, Joe <Joe.Phillippe@Illinois.gov>
Cc: Angela Hood <a.hood@gaiconsultants.com>; Ali Trunzo <A.Trunzo@gaiconsultants.com>; Robin Weissert <R.Weissert@gaiconsultants.com>
Subject: [External] RE: Spire Pipeline clearances

That’s awesome, Tina. Thank you. I am on a Spire meeting now, so I’ll figure out which option works best and get back to you.

Just to clarify, it is the FERC that would like this clarification, not USACE. Either way, I'll get back to you.

From: Blankenship, Tina [<mailto:Tina.Blankenship@Illinois.gov>]
Sent: Friday, November 03, 2017 11:03 AM
To: Phillippe, Joe <Joe.Phillippe@Illinois.gov>; Eric Scuoteguazza <e.scuoteguazza@gaiconsultants.com>
Subject: RE: Spire Pipeline clearances

Hi Eric

The best/quickest way to get this accomplished is for you to do a letter with all of this information and word it in a way that we can just stamp it concur and we would be able to get it right back out to you.
If you want to overnight a letter to that affect we will get it turned right around.

If the Corps won't be happy with that, they are welcome to do the letter themselves.

We can do a letter but it may be a week or so before it can get written and back out to you.

Thanks

Tina Blankenship, Archaeology Division

PLEASE NOTE OUR NEW ADDRESS:

*Illinois State Historic Preservation Office
Illinois Dept of Natural Resources
Attn: Review & Compliance/Old State Capital
One Natural Resources Way
Springfield, Illinois 62702*

Main Line: 217/782-4836

From: Phillippe, Joe
Sent: Friday, November 03, 2017 9:57 AM
To: Blankenship, Tina <Tina.Blankenship@Illinois.gov>
Subject: FW: Spire Pipeline clearances

PLEASE NOTE OUR NEW ADDRESS:

Joe Phillippe
Chief Archaeologist
Illinois State Historic Presevation Office
Illinois Department of Natural Resources
1 Natural Resources Way
Springfield, Illinois 62702

From: Eric Scuoteguazza [<mailto:e.scuoteguazza@gaiconsultants.com>]
Sent: Friday, November 03, 2017 9:49 AM
To: Phillippe, Joe <Joe.Phillippe@Illinois.gov>
Cc: Angela Hood <a.hood@gaiconsultants.com>; Ali Trunzo <A.Trunzo@gaiconsultants.com>; Robin Weissert <R.Weissert@gaiconsultants.com>
Subject: [External] Spire Pipeline clearances

Hi Joe,

At the request of FERC, Spire has been asked to provide clarification and concurrence from the IHPA on GAI's Phase I Addendum I Report, submitted to your office on April 21, 2017.

To preface, in the initial Phase I cultural resources report (submitted to your office on January 25, 2017), results and recommendations were included for the following archaeological resources:

11ST603, 11ST604, 11ST613, 11ST615, 11ST612, 11ST614, 11ST616, 11ST606, 11ST608, 11ST609, 11ST607, 11ST611, 11ST610, 11ST605, 11GE752, 11GE728, 11GE727, 11GE729, 11GE804, 11GE808, 11GE719, 11GE726, 11GE725, 11GE807, 11GE806, 11GE805, 11GE720, 11GE721, 11GE722, 11GE730, 11GE734, 11GE733, 11GE736, 11GE735, 11GE803, 11GE759, 11GE781, 11GE783, 11GE784, 11GE786, 11GE785, 11GE787, 11GE782, 11GE788, 11GE789, 11GE790, 11GE765, 11GE763, 11GE760, 11GE762, 11GE18, 11GE761, 11GE791, 11GE794, 11GE802, 11GE795, 11GE796, 11GE797, 11GE798, 11GE799, 11GE800, 11GE801, 11GE793, 11GE792, 11GE764, 11GE775, 11GE746, 11GE744, 11GE743, 11GE741, 11GE742, 11GE740, 11GE739, 11GE745, 11GE737, 11GE738, 11GE768, 11GE766, 11GE767, 11GE769, 11GE731, 11GE751, 11GE748, 11GE749, 11GE750, 11GE723, 11GE732, 11GE772, 11GE773, 11GE774, 11GE753, 11GE754, 11GE724, 11GE756, 11GE757, 11GE758, 11GE776, 11GE777, 11GE778, 11GE779, 11GE780, 11GE755, 11GE771, 11GE770, 11JY659, 11JY659, 11JY654, 11JY655, 11JY662, 11JY658, 11JY657, 11JY656, 11JY665, 11JY696, 11JY695, 11JY709, 11JY710, 11JY711, 11JY716, 11JY715, 11JY714, 11JY713, 11JY712, 11JY697, 11JY700, 11JY698, 11JY699, 11JY661, 11JY680, 11JY705, 11JY706, 11JY707, 11JY708, 11JY663, 11JY681, 11JY679, 11JY674, 11JY675, 11JY676, 11JY677, 11JY678, 11JY702, 11JY703, 11JY701, 11JY704, 11JY683, 11JY682, 11JY684, 11JY688, 11JY685, 11JY693, 11JY694, 11JY686, 11JY689, 11JY690, 11JY691, 11JY692, 11JY687, 11JY669, 11JY667, 11JY668, 11JY664, 11JY718, 11JY717, 11JY670, 11JY660, 11JY671, 11JY673, 11JY672, and 11JY666

These resources include 113 archaeological sites and 57 isolated finds. One of these resources was previously recorded (11GE18), while the remaining were newly identified during Phase I survey for the Spire STL Pipeline Project. GAI recommended that 103 of the 113 archaeological sites and all 57 of the isolated finds are not eligible for listing in the National Register of Historic Places. GAI also recommended that the remaining 10 archaeological sites are potentially eligible for listing in the National Register of Historic Places: 11JY700, 11JY680, 11JY661, 11ST613, 11GE758, 11GE757, 11GE789, 11JY698, 11JY699, and 11GE773. Two of the potentially eligible sites (11GE789 and 11GE773) were located within the Project APE but outside of the construction ROW and will not be impacted by construction activities. GAI recommended no further work for Sites 11GE789 and 11GE773. GAI recommended that impacts to the remaining eight sites potentially eligible for National Register of Historic Places listing (11JY700, 11JY680, 11JY661, 11ST613, 11GE758, 11GE757, 11JY698, and 11JY699) should either be avoided or Phase II eligibility evaluations be conducted.

In a letter dated June 22, 2017, the IHPA concurred with the recommendations presented in the initial Phase I cultural resources report.

As a result of the subsequent Addendum I Phase I survey conducted in February and March 2017, impacts to all 10 archaeological sites recommended potentially eligible in the initial Phase I report are now being avoided (11JY700, 11JY680, 11JY661, 11ST613, 11GE758, 11GE757, 11GE789, 11JY698, 11JY699, and 11GE773).

Therefore:

Based on this FERC request, please provide your clarification and concurrence (in the form of an email or letter) on GAI's recommendations between the initial report and Addendum 1. Addendum 1 specifically included the following 40 archaeological sites:

11ST617, 11ST618, 11ST619, 11ST620, 11ST621, 11ST622, 11ST623, 11ST624, 11ST625, 11ST626, 11ST627, 11ST628, 11GE822, 11GE812, 11GE819, 11GE820, 11GE747, 11GE821, 11GE738, 11GE810, 11GE757, 11GE758, 11GE813, 11GE818, 11GE809, 11JY665, 11JY748, 11JY743, 11JY730, 11JY747, 11JY746, 11JY745, 11JY744, 11JY721, 11JY722, 11JY738, 11JY740, 11JY739, 11JY736, and 11JY734.





In the Addendum I Report, we recommend that all the resources listed above are not eligible except for Sites 11GE757 and 11GE758, which we recommend are potentially eligible. However, based on design changes, the current Project avoids both sites, as they are now located outside the proposed construction ROW. This avoidance measure was included in the Phase I Addendum II Report, submitted to your office in July 2017.

We are also requesting your concurrence for the Phase I Addendum II report (submitted to your office on July 14, 2017), Phase II reports for Sites 11JY751 and 11JY765 (submitted to your office on July 14, 2017), and the Phase I Addendum III report (submitted to your office on September 29, 2017).

I know this is a lot of information, but we are getting close to the end of this project and need to get all of our clearances worked out. So, I will give you a call to discuss, and I certainly appreciate your time.

Thank you,
Eric

Eric P. Scuoteguazza, M.A., M.B.A., RPA
Senior Manager, Cultural Resources

GAI Consultants, Inc.
385 East Waterfront Drive, Homestead, PA 15120-5005
412.399.5188 | C 412.216.4640 |    



CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

State of Illinois - CONFIDENTIALITY NOTICE: The information contained in this communication is confidential, may be attorney-client privileged or attorney work product, may constitute inside information or internal deliberative staff communication, and is intended only for the use of the addressee. Unauthorized use, disclosure or copying of this communication or any part thereof is strictly prohibited and may be unlawful. If you have received this communication in error, please notify the sender immediately by return e-mail and destroy this communication and all copies thereof, including all attachments. Receipt by an unintended recipient does not waive attorney-client privilege, attorney work product privilege, or any other exemption from disclosure.

GAI Consultants, Inc.

Southpointe Office
 6000 Town Center Boulevard, Suite 300
 Canonsburg, PA 15317
 T 724.873.3545 | F 724.873.3549
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	T051
DATE:	10/12/2017
PROJECT NO.	E160438.00

Illinois SHPO – Division of Historic Preservation
Illinois Department of Natural Resources
One Natural Resources Way
Springfield, Illinois 62702
Attention: Dr. Rachel Leibowitz

PROJECT TITLE:
Spire STL Pipeline Project
Spire STL Pipeline LLC
Scott, Greene, and Jersey Counties, Illinois
and St. Charles and St. Louis Counties, Missouri

SUBJECT:
IHPA Log No. 005080216
FERC Docket Nos. CP17-40-000 and 001
October Supplement

WE ARE SENDING YOU: Paper Documents
VIA: Next Day Delivery
PURPOSE: For Your Use

COMMENTS:

ATTACHMENTS:

Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	-	-	October 2017	October Supplement – Public Information	-
1	-	-	October 2017	Set of Rolled Drawings	-

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected

DISTRIBUTION:

Name	Company	Transmittal (Y/N)	Attachments (Y/N)
Ms. Lori Ferry	Burns & McDonnell	Y	N

Sincerely,



Robin Weissert, CEP
 Assistant Environmental Manager

GAI Consultants, Inc.

Southpointe Office
 6000 Town Center Boulevard, Suite 300
 Canonsburg, PA 15317
 T 724.873.3545 | F 724.873.3549
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	10/11/2017
PROJECT NO.	E160438.00

Illinois State Historic Preservation Office
Illinois Department of Natural Resources
Review and Compliance-Archaeology Division
One Natural Resources Way
Springfield, Illinois 62702
Attention: Ms. Tina Blankenship

PROJECT TITLE:
Spire STL Pipeline Project

SUBJECT:
Addendum II Report and ASSR Form
Addendum III Report and ASSR Form

WE ARE SENDING YOU: Paper Documents & Electronic Files
VIA: Next Day Delivery
PURPOSE: For Your Use

COMMENTS:

ATTACHMENTS:

Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
2	--	--	July 14, 2017	Paper Copies: Spire STL Pipeline Project Technical Report – Addendum II Phase I Archaeological Survey	--
2	--	--	July 14, 2017	Paper Copies: Spire STL Pipeline Project ASSR Form Addendum II	--
1	--	--	July 14, 2017	CD Copy: PDF of Spire STL Pipeline Project Technical Report – Addendum II Phase I Archaeological Survey and ASSR Form	--
2	--	--	September 29, 2017	Paper Copies: Spire STL Pipeline Project Technical Report – Addendum III Phase I Cultural Resource Survey	--
2	--	--	September 29, 2017	Paper Copies: Spire STL Pipeline Project ASSR Form Addendum III	--
1	--	--	September 29, 2017	CD Copy: PDF of Spire STL Pipeline Project Technical Report – Addendum III Phase I Cultural Resource Survey and ASSR Form	--

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected

DISTRIBUTION:

Name	Company	Transmittal (Y/N)	Attachments (Y/N)

Sincerely,



Eric P. Scuoteguazza, M.A., M.B.A., RPA
 Senior Cultural Resources Manager

Ali Trunzo

From: Ali Trunzo
Sent: Wednesday, October 11, 2017 4:22 PM
To: 'Leibowitz, Rachel'
Cc: Lori M Ferry (lmferry@burnsmcd.com); Robin Weissert
Subject: RE: Project: E160438.00 - Spire - STL Pipeline Proj - File Transfer - Spire STL Pipeline - FERC October Supplemental Filing

Rachel,

We will provide a hard copy of the public filing to your office. It should be delivered by early next week.

A copy of the privileged Phase I Addendum III report referenced in the supplemental filing was mailed on September 29th.

Thank you,
Ali

Alessandra M. Trunzo

D 412.399.5096 **Email** a.trunzo@gaiconsultants.com



ENGINEERING, PLANNING, AND ENVIRONMENTAL CONSULTING SINCE 1958

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

From: Leibowitz, Rachel [<mailto:Rachel.Leibowitz@Illinois.gov>]
Sent: Tuesday, October 10, 2017 11:04 AM
To: Ali Trunzo <A.Trunzo@gaiconsultants.com>
Subject: RE: Project: E160438.00 - Spire - STL Pipeline Proj - File Transfer - Spire STL Pipeline - FERC October Supplemental Filing

Ali:

Will we be receiving hard copy submittal? Our office still requires hard copy for our review, as we do not have a budget for printing submittals for applicants.

Thanks,

Rachel Leibowitz, Ph.D.
Deputy State Historic Preservation Officer
Illinois State Historic Preservation Office
Illinois Department of Natural Resources
1 Natural Resources Way
Springfield, Illinois 62702-1271
Phone: (217) 785-5031
E-mail: rachel.leibowitz@illinois.gov

From: Ali Trunzo [<mailto:A.Trunzo@gaiconsultants.com>]
Sent: Monday, October 09, 2017 2:47 PM

To: Leibowitz, Rachel <Rachel.Leibowitz@Illinois.gov>

Subject: [External] Project: E160438.00 - Spire - STL Pipeline Proj - File Transfer - Spire STL Pipeline - FERC October Supplemental Filing

IMPORTANT: Click a link below to access files associated with this transmittal that came in through the GAI Consultants, Inc. Info Exchange web site.

[Download all associated files](#)

Additional links:

[Reply to All](#)

Project Name: E160438.00 - Spire - STL Pipeline Proj

Project Number: E160438.00

From: Ali Trunzo (GAI Consultants, Inc.)

To: Laszewski.virginia@epa.gov; joe.phillippe@illinois.gov; judith.Deel@dnr.mo.gov; summerlin.joe@epa.gov; edward.c.rodriguezrobles@usace.army.mil; Teri.C.Allen@usace.army.mil; kristen_lundh@fws.gov; trisha_crabill@fws.gov; david.p.meyer@usace.army.mil; terry.savko@illinois.gov; darin.lecrone@illinois.gov; keith.shank@illinois.gov; rachel.leibowitz@illinois.gov; dan.heacock@illinois.gov; Jaclyn.C.Wittenborn@usace.army.mil; matt.vitello@mdc.mo.gov; Timothy.A.Kennedy@usace.army.mil

CC: Ali Trunzo (GAI Consultants, Inc.); lmferry@burnsmcd.com; Robin Weissert (GAI Consultants, Inc.)

Subject: Spire STL Pipeline - FERC October Supplemental Filing

Sent via: Info Exchange

Expiration Date: 10/30/2017

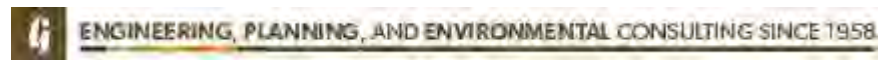
Remarks: Hi all,

Please use the links to download the PUBLIC information associated with Spire STL Pipeline's recent supplemental filing made to the FERC on October 6, 2017.

If you have any trouble with the files, please let me know.

Thank you,
Ali Trunzo

Alessandra M. Trunzo
D 412.399.5096 Email a.trunzo@gaiconsultants.com



GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

Transferred Files

NAME	TYPE	DATE	TIME	SIZE
------	------	------	------	------

Ali Trunzo

From: Eric Scuoteguazza
Sent: Tuesday, October 10, 2017 12:03 PM
To: Angela Hood
Subject: FW: Spire Addendum II & III reports

From: Blankenship, Tina [mailto:Tina.Blankenship@Illinois.gov]
Sent: Tuesday, October 10, 2017 11:52 AM
To: Eric Scuoteguazza <e.scuoteguazza@gaiconsultants.com>
Subject: RE: Spire Addendum II & III reports

We will only need one CD for each addendum, just need both “books” as a single PDF.
As for the hard copies, you can leave it as 2 “books” for each addendum since it would be very large and usually those binding spirals that large tend to come apart. But yes, two hard copies total for each addendum.

Thanks much!!

PLEASE NOTE OUR NEW ADDRESS:

*Tina Blankenship
Illinois State Historic Preservation Office
Illinois Dept of Natural Resources
Review & Compliance-Archaeology Division
One Natural Resources Way
Springfield, Illinois 62702
Main Line: 217/782-4836*

From: Eric Scuoteguazza [mailto:e.scuoteguazza@gaiconsultants.com]
Sent: Tuesday, October 10, 2017 10:32 AM
To: Blankenship, Tina <Tina.Blankenship@Illinois.gov>
Cc: Angela Hood <a.hood@gaiconsultants.com>
Subject: [External] RE: Spire Addendum II & III reports

Good morning, Tina. Just to confirm that this is what you are looking for, we plan to do the following:

Addendum II:

- two CDs that each contain a single PDF comprised of the ASSR form and the Addendum II report combined together (with the ASSR form coming before the report in the PDF).
- the ASSR form and the Addendum II report bound together into a single document with the ASSR form preceding the report, x 2 copies






Addendum III:

- two CDs that each contain a single PDF comprised of the ASSR form and the Addendum III report combined together (with the ASSR form coming before the report in the PDF).
- the ASSR form and the Addendum III report bound together into a single document with the ASSR form preceding the report, x 2 copies

Please let me know if we are understanding correctly.

Thanks,
Eric

Eric P. Scuoteguazza, M.A., M.B.A., RPA
Senior Manager, Cultural Resources

GAI Consultants, Inc.
385 East Waterfront Drive, Homestead, PA 15120-5005
412.399.5188 | C 412.216.4640 |     



CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

From: Blankenship, Tina [<mailto:Tina.Blankenship@Illinois.gov>]
Sent: Wednesday, October 04, 2017 2:17 PM
To: Eric Scuoteguazza <e.scuoteguazza@gaiconsultants.com>
Subject: RE: Spire Addendum II & III reports

OK Thanks

PLEASE NOTE OUR NEW ADDRESS:

*Tina Blankenship
Illinois State Historic Preservation Office
Illinois Dept of Natural Resources
Review & Compliance-Archaeology Division
One Natural Resources Way
Springfield, Illinois 62702
Main Line: 217/782-4836*

From: Eric Scuoteguazza [<mailto:e.scuoteguazza@gaiconsultants.com>]
Sent: Wednesday, October 04, 2017 1:13 PM
To: Blankenship, Tina <Tina.Blankenship@Illinois.gov>
Cc: Ali Trunzo <A.Trunzo@gaiconsultants.com>; Robin Weissert <R.Weissert@gaiconsultants.com>; Angela Hood <a.hood@gaiconsultants.com>
Subject: [External] RE: Spire Addendum II & III reports

Ali Trunzo

From: Ali Trunzo
Sent: Monday, October 09, 2017 3:47 PM
To: Ali Trunzo
Subject: Project: E160438.00 - Spire - STL Pipeline Proj - File Transfer - Spire STL Pipeline - FERC October Supplemental Filing

Note: You have been CC'd on this notification.

IMPORTANT: Click a link below to access files associated with this transmittal that came in through the GAI Consultants, Inc. Info Exchange web site.

[View the transmittal in Newforma Project Center](#)

Additional links:

[Download all associated files](#)

[Sign in to the GAI Consultants, Inc. Info Exchange site](#)

[Configure cloud storage delivery](#)

[Reply to All](#)

Project Name: E160438.00 - Spire - STL Pipeline Proj
Project Number: E160438.00

From: Ali Trunzo (GAI Consultants, Inc.)
To: Laszewski.virginia@epa.gov; joe.phillippe@illinois.gov; judith.Deel@dnr.mo.gov; summerlin.joe@epa.gov; edward.c.rodriguezrobles@usace.army.mil; Teri.C.Allen@usace.army.mil; kristen_lundh@fws.gov; trisha_crabill@fws.gov; david.p.meyer@usace.army.mil; terry.savko@illinois.gov; darin.lecrone@illinois.gov; keith.shank@illinois.gov; rachel.leibowitz@illinois.gov; dan.heacock@illinois.gov; Jaclyn.C.Wittenborn@usace.army.mil; matt.vitello@mdc.mo.gov; Timothy.A.Kennedy@usace.army.mil
CC: Ali Trunzo (GAI Consultants, Inc.); lmferry@burnsmcd.com; Robin Weissert (GAI Consultants, Inc.)
Subject: Spire STL Pipeline - FERC October Supplemental Filing
Sent via: Info Exchange
Expiration Date: 10/30/2017
Remarks: Hi all,

Please use the links to download the PUBLIC information associated with Spire STL Pipeline's recent supplemental filing made to the FERC on October 6, 2017.

If you have any trouble with the files, please let me know.

Thank you,
Ali Trunzo

Alessandra M. Trunzo

D 412.399.5096 Email a.trunzo@gaiconsultants.com



ENGINEERING, PLANNING, AND ENVIRONMENTAL CONSULTING SINCE 1958

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

Transferred Files

NAME	TYPE	DATE	TIME	SIZE
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(1) PUBLIC.pdf</u>	PDF File	10/6/2017	10:23 AM	5,500 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(10) PUBLIC.pdf</u>	PDF File	10/6/2017	10:26 AM	33,997 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(2) PUBLIC.pdf</u>	PDF File	10/6/2017	11:03 AM	17,447 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(3) PUBLIC.pdf</u>	PDF File	10/6/2017	9:52 AM	42,059 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(4) PUBLIC.pdf</u>	PDF File	10/6/2017	9:52 AM	37,575 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(5) PUBLIC.pdf</u>	PDF File	10/6/2017	9:52 AM	28,859 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(6) PUBLIC.pdf</u>	PDF File	10/6/2017	9:52 AM	33,152 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(7) PUBLIC.pdf</u>	PDF File	10/6/2017	9:52 AM	30,554 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(8) PUBLIC.pdf</u>	PDF File	10/6/2017	9:52 AM	20,960 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(9) PUBLIC.pdf</u>	PDF File	10/6/2017	10:25 AM	23,380 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire</u>	PDF File	10/6/2017	10:20 AM	26,793 KB

<u>STL App 1- C Correspondence PUBLIC.pdf</u>				
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL Supplement PUBLIC.pdf</u>	PDF File	10/6/2017	12:35 PM	19,149 KB
<u>Transmittal - 00070.pdf</u>	PDF File	10/9/2017	3:45 PM	71 KB

Notification generated by [Newforma Info Exchange](#)



Illinois Environmental Protection Agency



Indianapolis Office
6420 Castleway West Drive
Indianapolis, IN 46250

T 317.570.6800
F 317.570.6810

July 02, 2018

Project E160438.00

Mr. Alan Keller
Illinois Environmental Protection Agency
Bureau of Water
Division of Water Pollution Control Permit Section #15
Facility Evaluation Unit
1021 North Grand Avenue East
Post Office Box 19276
Springfield, IL 62794

**Addendum IV to Nationwide Permit 12 Joint Permit Application
Spire STL Pipeline LLC
Spire STL Pipeline Project (MVS-2016-582)
Scott, Greene, and Jersey Counties, Illinois, and St. Charles and St. Louis Counties, Missouri**

Dear Mr. Keller:

On behalf of Spire STL Pipeline LLC ("Spire"), GAI Consultants, Inc. ("GAI") submitted a Nationwide Permit 12 Joint Permit Application ("JPA") and Section 10 letter of permission request for the Spire STL Pipeline Project ("Project"), located in Scott, Greene, and Jersey Counties, Illinois ("IL"), and St. Charles and St. Louis Counties, Missouri ("MO") to your office on January 27, 2017. Subsequent Addendums to the PCN were submitted to your office on April 21, July 14, and December 15, 2017. Minor changes in the Project alignment along the north side of the Mississippi River were necessary to avoid sensitive environmental resources located near the previous Horizontal Directional Drill ("HDD") entrance. GAI has prepared this Addendum to the previously submitted PCN and Section 10 Letter of Permission to address these changes.

The Project will consist of approximately 65 miles of new 24-inch-diameter steel pipeline in two segments. The first segment (referred to as the "24-inch pipeline" portion of the Project) will originate at a new interconnect with the Rockies Express Pipeline LLC ("REX") pipeline in Scott County, Illinois and extend approximately 59 miles through Greene and Jersey Counties in Illinois before crossing the Mississippi River and extending east through St. Charles County, Missouri. The 24-inch pipeline then crosses the Missouri River into St. Louis County, Missouri, and terminates at a new interconnect with Laclede Gas Company ("LGC"). The second segment of pipeline (referred to as the "North County Extension"), will consist of a new 24-inch-diameter steel pipeline which will extend approximately six miles from the LGC interconnect through the northern portion of St. Louis County and terminate at a new interconnect with Enable Mississippi River Transmission, LLC ("Enable MRT") and LGC. The total length of the Project pipeline will be approximately 65 miles. The Project also includes the construction of three new metering and regulating ("M&R") stations that provide interconnects with (1) REX in Illinois, (2) LGC in Missouri, and (3) Enable MRT and LGC in Missouri. This Project, as proposed, falls under the oversight of the Federal Energy Regulatory Commission ("FERC").

GAI, on behalf of Spire, is hereby submitting for review a hard copy and an electronic copy of the Project's Nationwide Permit ("NWP") 12 JPA Addendum IV. This package has been prepared based on the Project adhering to the general and regional conditions of a NWP-12 and Section 401 Water Quality Certification ("WQC") General and Specific Conditions within the State of Illinois. A copy of this JPA Addendum has also been provided to the Illinois Department of Natural Resources and the U.S. Army Corps of Engineers, St. Louis District concurrently with this submittal for their confirmation of General Section 401 coverage.

Correspondence with the Illinois Historic Preservation Agency ("IHPA") has been ongoing. Additional areas in IL were surveyed in December 2017, January 2018, and March 2018. Phase I survey results from fieldwork conducted in December 2017 were included in the Addendum V reports, which were each submitted to the IHPA on January 10, 2018. The IHPA concurred with the survey results and recommendations for the IL portion of the project included in Addendum V in a letter dated March 22, 2018.

The Addendum VI reports included results and recommendations from Phase I fieldwork completed in IL in January 2018. This report was submitted to the IHPA on February 16, 2018. The IHPA issued their concurrence for the Addendum VI report in a letter dated March 22, 2018.

In March 2018, GAI conducted fieldwork for a Phase II National Register of Historic Places eligibility evaluation at Site 11JY801 and the Addendum VII Phase I survey of an access road. GAI also prepared avoidance plans for Sites 11JY789 and 11JY800. The results and recommendations for the Phase II eligibility evaluation and Addendum VII Phase I survey, along with the avoidance plans for Sites 11JY789 and 11JY800, were included in a single document submitted to the IHPA on April 17, 2018. The IHPA requested that the single document submitted on April 17, 2018 be split into four separate documents. GAI submitted these four separate documents to the IHPA on May 11, 2018. IHPA issued their final concurrence on June 15, 2018. To assist in your review, all prior SHPO and Tribal agency coordination has been included in the attached PCN addendum as Attachment A.

Nationwide Permit (NWP) 12 and Section 10 Letter of Permission Request

As currently proposed, temporary impacts to 59 streams and 32 wetlands will be necessary to construct the Project. Impacted streams and wetlands will be crossed using the dry-ditch open-cut method. A dam and flume method of dewatering is installed to create a dry work area, the trenches are dug, the pipeline is placed, and the trench is then refilled and the work area reclaimed. Additionally, temporary crossings of 23 streams and 11 wetlands located within the Project workspace and along associated access roads will be required during construction of the Project. Other aquatic resources, including the Mississippi River, will be crossed using a Horizontal Directional Drill ("HDD") method. This method involves boring a tunnel beneath the aquatic resources through which the pipeline will be pulled and installed. No physical impacts to the aquatic resources are anticipated to occur with this construction method. Detailed information regarding these impacts can be found in Tables 1 and 2 in the attached JPA Addendum.

Avoiding stream and wetland impacts as well as avoidance of sensitive resources has been one of the driving factors in designing the proposed Project, and the currently proposed alignment represents an alternative that reduces impacts to the furthest extent practicable, while still meeting the purpose and need of the Project. Spire has utilized mitigation banking programs in IL for compensatory mitigation to forested and scrub-shrub wetland impacts. Further avoidance and minimization includes the placement of timber mats for equipment crossings of streams and wetlands, and the Limit of Disturbance ("LOD") width will be generally narrowed to a 75-foot width at the majority of the resource crossings.

Streams and Wetlands

Fieldwork associated with stream and wetland investigations for the Project was conducted between September 2016 and January 2018. The surveys identified streams and wetlands within a approximately 300-foot wide corridor centered on the proposed pipeline, and a 50-foot wide corridor surrounding the proposed access roads. Field investigations identified 71 wetlands, 176 waterbodies, and 8 ponds within the current Project study area. These features are outlined in the previously submitted Addendum III to the Wetland Delineation and Stream Identification Report.

Closing

Spire and GAI thank you in advance for your review of this NWP 12 JPA Addendum. Please feel free to contact me at 330-415-8364, or at t.wheaton@gaiconsultants.com if there are any questions or concerns.

Sincerely,

GAI Consultants, Inc.



Todd Wheaton
Assistant Environmental Technical Leader

Attachments: Addendum IV to Nationwide Permit 12 Joint Permit Application

CC: Illinois Department of Natural Resources, U.S. Army Corps of Engineers, St. Louis District



Indianapolis Office
6420 Castleway West Drive
Indianapolis, IN 46250

T 317.570.6800
F 317.570.6810

December 15, 2017

Project E160438.00

Mr. Alan Keller
Illinois Environmental Protection Agency
Bureau of Water
Division of Water Pollution Control Permit Section #15
Facility Evaluation Unit
1021 North Grand Avenue East
Post Office Box 19276
Springfield, IL 62794

**Addendum III to Nationwide Permit 12 Joint Permit Application
Spire STL Pipeline LLC
Spire STL Pipeline Project (MVS-2016-582)
Scott, Greene, and Jersey Counties, Illinois, and St. Charles and St. Louis Counties, Missouri**

Dear Mr. Keller:

On behalf of Spire STL Pipeline LLC ("Spire"), GAI Consultants, Inc. ("GAI") submitted a Nationwide Permit 12 Joint Permit Application ("JPA") and Section 10 letter of permission request for the Spire STL Pipeline Project ("Project"), located in Scott, Greene, and Jersey Counties, Illinois ("IL"), and St. Charles and St. Louis Counties, Missouri ("MO") to your office on January 27, 2017. An Addendum to the PCN was submitted to your office on April 21, 2017, and a second Addendum on July 14, 2017. Due to minor changes in the Project alignment, and obtaining additional survey permission, GAI has prepared this Addendum to the previously submitted PCN and Section 10 Letter of Permission.

The revised Project will consist of approximately 65 miles of new 24-inch-diameter steel pipeline in two segments. The first segment (referred to as the "24-inch pipeline" portion of the Project) will originate at a new interconnect with the Rockies Express Pipeline LLC ("REX") pipeline in Scott County, Illinois and extend approximately 59 miles through Greene and Jersey Counties in Illinois before crossing the Mississippi River and extending east through St. Charles County, Missouri. The 24-inch pipeline then crosses the Missouri River into St. Louis County, Missouri, and terminates at a new interconnect with Laclede Gas Company ("LGC"). The second segment of pipeline (referred to as the "North County Extension"), will consist of a new 24-inch-diameter steel pipeline which will extend approximately six miles from the LGC interconnect through the northern portion of St. Louis County and terminate at a new interconnect with Enable Mississippi River Transmission, LLC ("Enable MRT") and LGC. The total length of the Project pipeline will be approximately 65 miles. The Project also includes the construction of three new metering and regulating ("M&R") stations that provide interconnects with (1) REX in Illinois, (2) LGC in Missouri, and (3) Enable MRT and LGC in Missouri. This Project, as proposed, falls under the oversight of the Federal Energy Regulatory Commission ("FERC").

GAI, on behalf of Spire, is hereby submitting for review a hard copy and an electronic copy of the Project's Nationwide Permit ("NWP") 12 JPA Addendum III. This package has been prepared based on the Project adhering to the general and regional conditions of a NWP-12 and Section 401 Water Quality Certification ("WQC") General and Specific Conditions within the State of Illinois. A copy of this JPA Addendum has also been provided to the Illinois Department of Natural Resources and the U.S. Army Corps of Engineers, St. Louis District concurrently with this submittal for their confirmation of General Section 401 coverage.

United States Fish and Wildlife Service ("USFWS") consultation was initiated on August 29, 2016 and an initial response was received on December 8, 2016. Subsequent communication with USFWS determined the Project is within range of the decurrent false aster (*Boltonia decurrens*), and surveys were conducted for this species in July and August 2017. A survey report was submitted to USFWS on August 31, 2017 and a response was received on October 26, 2017.

Correspondence with the Illinois Historic Preservation Agency ("IHPA") and the Missouri State Historic Preservation Agency ("MO SHPO") has been ongoing. Additional areas in IL and MO were surveyed during the month of November, however concurrence from each SHPO is still outstanding for portions of the northern workspaces for the

Mississippi River drill and portions of the Missouri River drill. Additional responses from these agencies will be provided once received in the anticipation that this permit application's review can be initiated and completed without those documents in hand. Agency correspondence is included as Attachment B in the attached PCN addendum.

Nationwide Permit (NWP) 12 and Section 10 Letter of Permission Request

As currently proposed, temporary impacts to 63 streams and 32 wetlands will be necessary to construct the Project. Impacted streams and wetlands will be crossed using the dry-ditch open-cut method. A dam and flume method of dewatering is installed to create a dry work area, the trenches are dug, the pipeline is placed, and the trench is then refilled and the work area reclaimed. Additionally, temporary crossings of 22 streams and 10 wetlands located within the Project workspace and along associated access roads will be required during construction of the Project. Other aquatic resources, including the Mississippi River, will be crossed using a Horizontal Directional Drill ("HDD") method. This method involves boring a tunnel beneath the aquatic resources through which the pipeline will be pulled and installed. No physical impacts to the aquatic resources are anticipated to occur with this construction method. Detailed information regarding these impacts can be found in Tables 1 and 2 in the attached PCN Addendum.

Avoiding stream and wetland impacts has been one of the driving factors in designing the proposed Project, and the currently proposed alignment represents an alternative that reduces stream and wetland impacts to the furthest extent practicable, while still meeting the purpose and need of the Project. Spire has reserved and is in the process of purchasing compensatory mitigation credits for impacts to forested and scrub-shrub wetlands. Further avoidance and minimization includes the placement of timber mats for equipment crossings of streams and wetlands, and the Limit of Disturbance ("LOD") width will be generally narrowed to a 75-foot width at the majority of the resource crossings.

Streams and Wetlands

Fieldwork associated with stream and wetland investigations for the Project was conducted between September 2016 and November 2017. The surveys identified streams and wetlands within a approximately 300-foot wide corridor centered on the proposed pipeline, and a 50-foot wide corridor surrounding the proposed access roads. Field investigations identified 71 wetlands, 175 waterbodies, and 8 ponds within the current Project study area. These features are outlined in the Addendum III to the Wetland Delineation and Stream Identification Report, included in the attached JPA Addendum. Approximately 0.5-mile of the 24-inch pipeline remains unsurveyed due to property access constraints. Desktop identified aquatic resources have been included in these areas to supplement the stream and wetland delineation field efforts. No additional resources are anticipated based on desktop review of the unsurveyed portion of the Project.

Closing

Spire and GAI thank you in advance for your review of this NWP-12 JPA Addendum. Please feel free to contact me at 330-415-8364, or at t.wheaton@gaiconsultants.com if there are any questions or concerns.

Sincerely,

GAI Consultants, Inc.



Todd Wheaton
Assistant Environmental Technical Leader

Attachments: Addendum III to Nationwide Permit 12 Joint Permit Application

CC: Illinois Department of Natural Resources, U.S. Army Corps of Engineers, St. Louis District

telephone log



gai consultants

Date: 12/11/2017

Project / Admin. No.: E160438.00

Call From: Ali Trunzo

Company: GAI Consultants

Phone No.: 412.399.5096

Call To: Mark Liska

Company: IEPA

Phone No.: 217-782-0610

Subject: Hydrostatic Test Discharge Permits

cc:

Summary of Discussion, Decisions, and Commitments:

I spoke with Mr. Liska to confirm that the information previously provided regarding hydrostatic test discharge permits is still accurate. Mr. Liska confirmed that upland discharges would fall under the State Operating Permit, and there were no changes to the permit.

Mr. Liska also confirmed that discharges from trench dewatering would fall under the general construction permit and therefore nothing additional is needed.

telephone log



gai consultants

Date: 11/22/2017

Project / Admin. No.: E160438.00

Call From: Todd Wheaton

Company: GAI Consultants

Phone No.: 234-203-0765

Call To: Darren Gove

Company: Illinois Environmental Protection Agency ("IEPA")

Phone No.: 217-524-3033

Subject: Joint Permit Application

cc:

Summary of Discussion, Decisions, and Commitments:

I received a call from Darin Gove at IEPA. He assured me that they did receive all the materials that we had been sending to Dan Heacock, who is no longer at IEPA. Since no individual 401 was required IEPA typically doesn't coordinate with USACE. I asked if they had any outstanding items, and he assured me that they have everything they need and had already done a cursory review of the project.

Ali Trunzo

From: Todd Wheaton
Sent: Tuesday, November 21, 2017 2:26 PM
To: Dan.Heacock@illinois.gov
Cc: Ali Trunzo; Robin Weissert
Subject: Project Update - Spire STL Pipeline Project (USACE Project MVS-2016-582)

Good Afternoon Dan,

I spoke with David Meyer at the USACE St. Louis district this morning and he mentioned that he hadn't had any coordination with your office regarding the 401 WQC for the Spire STL Pipeline project. I wanted to reach out to you regarding another addendum to the Joint Permit Application we submitted to your office back in July, and also to see if there was anything else we could provide to assist in your review. The addendum we are preparing will address a couple minor reroutes and shifts to the limits of disturbance due to parcel boundary rectifications following the land survey. Please let me know if there are any outstanding items that may delay your review and subsequent issuance of 401 WQC for the project.

Thanks,
Todd

Todd C. Wheaton

Assistant Environmental Technical Leader

3720 Dressler Road NW, Canton, OH 44718

T 330.433.2680 **D** 234.203.0765 **M** 330.415.8364

Connect with GAI | [Facebook](#) | [LinkedIn](#) | [Twitter](#) | [YouTube](#) | [News & Insights](#)



**ENGINEERING,
PLANNING, AND
ENVIRONMENTAL
CONSULTING SINCE 1958**

GAI Consultants provides local expertise to worldwide clients in the energy, transportation, development, government, and industrial markets.

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

Ali Trunzo

From: Ali Trunzo
Sent: Monday, October 09, 2017 3:47 PM
To: Ali Trunzo
Subject: Project: E160438.00 - Spire - STL Pipeline Proj - File Transfer - Spire STL Pipeline - FERC October Supplemental Filing

Note: You have been CC'd on this notification.

IMPORTANT: Click a link below to access files associated with this transmittal that came in through the GAI Consultants, Inc. Info Exchange web site.

[View the transmittal in Newforma Project Center](#)

Additional links:

[Download all associated files](#)

[Sign in to the GAI Consultants, Inc. Info Exchange site](#)

[Configure cloud storage delivery](#)

[Reply to All](#)

Project Name: E160438.00 - Spire - STL Pipeline Proj
Project Number: E160438.00

From: Ali Trunzo (GAI Consultants, Inc.)
To: Laszewski.virginia@epa.gov; joe.phillippe@illinois.gov; judith.Deel@dnr.mo.gov; summerlin.joe@epa.gov; edward.c.rodriguezrobles@usace.army.mil; Teri.C.Allen@usace.army.mil; kristen_lundh@fws.gov; trisha_crabill@fws.gov; david.p.meyer@usace.army.mil; terry.savko@illinois.gov; darin.lecrone@illinois.gov; keith.shank@illinois.gov; rachel.leibowitz@illinois.gov; dan.heacock@illinois.gov; Jaclyn.C.Wittenborn@usace.army.mil; matt.vitello@mdc.mo.gov; Timothy.A.Kennedy@usace.army.mil
CC: Ali Trunzo (GAI Consultants, Inc.); lmferry@burnsmcd.com; Robin Weissert (GAI Consultants, Inc.)
Subject: Spire STL Pipeline - FERC October Supplemental Filing
Sent via: Info Exchange
Expiration Date: 10/30/2017
Remarks: Hi all,

Please use the links to download the PUBLIC information associated with Spire STL Pipeline's recent supplemental filing made to the FERC on October 6, 2017.

If you have any trouble with the files, please let me know.

Thank you,
Ali Trunzo

Alessandra M. Trunzo

D 412.399.5096 Email a.trunzo@gaiconsultants.com



ENGINEERING, PLANNING, AND ENVIRONMENTAL CONSULTING SINCE 1958

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

Transferred Files

NAME	TYPE	DATE	TIME	SIZE
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(1) PUBLIC.pdf</u>	PDF File	10/6/2017	10:23 AM	5,500 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(10) PUBLIC.pdf</u>	PDF File	10/6/2017	10:26 AM	33,997 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(2) PUBLIC.pdf</u>	PDF File	10/6/2017	11:03 AM	17,447 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(3) PUBLIC.pdf</u>	PDF File	10/6/2017	9:52 AM	42,059 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(4) PUBLIC.pdf</u>	PDF File	10/6/2017	9:52 AM	37,575 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(5) PUBLIC.pdf</u>	PDF File	10/6/2017	9:52 AM	28,859 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(6) PUBLIC.pdf</u>	PDF File	10/6/2017	9:52 AM	33,152 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(7) PUBLIC.pdf</u>	PDF File	10/6/2017	9:52 AM	30,554 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(8) PUBLIC.pdf</u>	PDF File	10/6/2017	9:52 AM	20,960 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(9) PUBLIC.pdf</u>	PDF File	10/6/2017	10:25 AM	23,380 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire</u>	PDF File	10/6/2017	10:20 AM	26,793 KB

<u>STL App 1- C Correspondence PUBLIC.pdf</u>				
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL Supplement PUBLIC.pdf</u>	PDF File	10/6/2017	12:35 PM	19,149 KB
<u>Transmittal - 00070.pdf</u>	PDF File	10/9/2017	3:45 PM	71 KB

Notification generated by [Newforma Info Exchange](#)



Missouri Department of Natural Resources



Indianapolis Office
6420 Castleway West Drive
Indianapolis, IN 46250

T 317.570.6800
F 317.570.6810

July 02, 2018

Project E160438.00

Mike Irwin
Environmental Scientist
Clean Water Act Section 401 Water Quality Certification, Operating Permits section, Water Protection Program
Missouri Department of Natural Resources
P.O. Box 176, 1101 Riverside Drive
Jefferson City, Missouri 65102

**Addendum IV to Nationwide Permit 12 Pre-Construction Notification and Section 10 Letter of Permission Request
Spire STL Pipeline LLC
Spire STL Pipeline Project (MVS-2016-582)
Scott, Greene, and Jersey Counties, Illinois, and St. Charles and St. Louis Counties, Missouri**

Dear Mr. Irwin:

On behalf of Spire STL Pipeline LLC ("Spire"), GAI Consultants, Inc. ("GAI") submitted a Nationwide Permit 12 Pre-Construction Notification ("PCN") and Section 10 letter of permission request for the Spire STL Pipeline Project ("Project"), located in Scott, Greene, and Jersey Counties, Illinois ("IL"), and St. Charles and St. Louis Counties, Missouri ("MO") to your office on January 27, 2017. Subsequent Addendums to the PCN were submitted to your office on April 21, July 14, and December 15, 2017, with supplemental information to the Addendum III submitted on January 12, 2018. Minor changes in the Project alignment along the north side of the Mississippi River were necessary to avoid sensitive environmental resources located near the previous Horizontal Directional Drill ("HDD") entrance. Additionally, the crossing of Coldwater Creek has been reverted to the previously submitted HDD crossing, further reducing impacts. GAI has prepared this Addendum to the previously submitted PCN and Section 10 Letter of Permission to address these changes.

The Project will consist of approximately 65 miles of new 24-inch-diameter steel pipeline in two segments. The first segment (referred to as the "24-inch pipeline" portion of the Project) will originate at a new interconnect with the Rockies Express Pipeline LLC ("REX") pipeline in Scott County, Illinois and extend approximately 59 miles through Greene and Jersey Counties in Illinois before crossing the Mississippi River and extending east through St. Charles County, Missouri. The 24-inch pipeline then crosses the Missouri River into St. Louis County, Missouri, and terminates at a new interconnect with Laclede Gas Company ("LGC"). The second segment of pipeline (referred to as the "North County Extension"), will consist of a new 24-inch-diameter steel pipeline which will extend approximately six miles from the LGC interconnect through the northern portion of St. Louis County and terminate at a new interconnect with Enable Mississippi River Transmission, LLC ("Enable MRT") and LGC. The total length of the Project pipeline will be approximately 65 miles. The Project also includes the construction of three new metering and regulating ("M&R") stations that provide interconnects with (1) REX in Illinois, (2) LGC in Missouri, and (3) Enable MRT and LGC in Missouri. This Project, as proposed, falls under the oversight of the Federal Energy Regulatory Commission ("FERC").

GAI, on behalf of Spire, is hereby submitting for review a hard copy and an electronic copy of the Project's Nationwide Permit ("NWP") 12 PCN Addendum. This package has been prepared based on the Project adhering to the general and regional conditions of a NWP-12 and Section 401 Water Quality Certification ("WQC") General and Specific Conditions within the State of Missouri. Programmatic 401 WQC coverage issued by the Missouri Department of Natural Resources ("MDNR") is pending the revised alignment at the Coldwater Creek crossing. However, the switch to the HDD crossing of Coldwater Creek will further minimize impacts and satisfy the requirements to obtain programmatic 401 WQC coverage within the State of Missouri. An Illinois-specific copy of this PCN Addendum IV has also been provided to the Illinois Department of Natural Resources and the Illinois Environmental Protection Agency concurrently with this submittal for their confirmation of General Section 401 coverage.

Correspondence with the Illinois Historic Preservation Agency ("IHPA") and the Missouri State Historic Preservation Agency ("MO SHPO") has been ongoing. Additional areas in MO and IL were surveyed in December 2017, January 2018, and March 2018. Phase I survey results from fieldwork conducted in December 2017 were included in the

Addendum V reports, which were each submitted to the MO SHPO and IHPA on January 10, 2018. In a letter dated January 30, 2018, the MO SHPO provided comments on the Addendum V report, and GAI addressed these comments in the revised Addendum V report submitted to the MO SHPO on February 21, 2018. The MO SHPO concurred with the revised Addendum V report in a letter dated March 15, 2018. The receipt of concurrence with the Addendum V report completes consultation with the MO SHPO. The IHPA concurred with the survey results and recommendations for the IL portion of the project included in Addendum V in a letter dated March 22, 2018.

The Addendum VI reports included results and recommendations from Phase I fieldwork completed in IL in January 2018. This report was submitted to the IHPA on February 16, 2018. The IHPA issued their concurrence for the Addendum VI report in a letter dated March 22, 2018.

In March 2018, GAI conducted fieldwork for a Phase II National Register of Historic Places eligibility evaluation at Site 11JY801 and the Addendum VII Phase I survey of an access road. GAI also prepared avoidance plans for Sites 11JY789 and 11JY800. The results and recommendations for the Phase II eligibility evaluation and Addendum VII Phase I survey, along with the avoidance plans for Sites 11JY789 and 11JY800, were included in a single document submitted to the IHPA on April 17, 2018. The IHPA requested that the single document submitted on April 17, 2018 be split into four separate documents. GAI submitted these four separate documents to the IHPA on May 11, 2018. IHPA issued their final concurrence on June 15, 2018. To assist in your review, all prior SHPO and Tribal agency coordination has been included in the attached PCN addendum as Attachment A.

Nationwide Permit (NWP) 12 and Section 10 Letter of Permission Request

Within the State of Missouri, temporary impacts to 20 streams and 14 wetlands will be necessary to construct the Project. Impacted streams and wetlands will be crossed using the dry-ditch open-cut method. A dam and flume method of dewatering is installed to create a dry work area, the trenches are dug, the pipeline is placed, and the trench is then refilled and the work area reclaimed. Other aquatic resources, including the Mississippi and Missouri Rivers, Coldwater Creek, Spanish Lake, and Sunfish Lake, will be crossed using a Horizontal Directional Drill (HDD) method. This method involves boring a tunnel beneath the aquatic resources through which the pipeline will be pulled and installed. No physical impacts to the aquatic resources are anticipated to occur with this construction method. Detailed information regarding these impacts can be found in Tables 1 and 2 in the attached PCN addendum. Additionally, Missouri specific impacts based on trench width have been outlined in Tables A and B below.

Avoiding stream and wetland impacts as well as avoidance of sensitive resources has been one of the driving factors in designing the proposed Project, and the currently proposed alignment represents an alternative that reduces impacts to the furthest extent practicable, while still meeting the purpose and need of the Project. Spire has utilized mitigation banking programs in IL and MO for compensatory mitigation to forested and scrub-shrub wetland impacts. Further avoidance and minimization includes the placement of timber mats for equipment crossings of streams and wetlands, and the Limit of Disturbance ("LOD") width will be generally narrowed to a 75-foot width at the majority of the resource crossings.

Streams and Wetlands

Fieldwork associated with stream and wetland investigations for the Project was conducted between September 2016 and January 2018. The surveys identified streams and wetlands within a approximately 300-foot wide corridor centered on the proposed pipeline, and a 50-foot wide corridor surrounding the proposed access roads. Field investigations identified 121 wetlands, 238 waterbodies, and 12 ponds within the current Project study area. These features are outlined in the previously submitted Addendum III to the Wetland Delineation and Stream Identification Report.

Closing

Spire and GAI thank you in advance for your review of this NWP-12 PCN Addendum. Please feel free to contact me at 330-415-8364, or at t.wheaton@gaiconsultants.com if there are any questions or concerns.

Sincerely,

GAI Consultants, Inc.



Todd Wheaton
Assistant Environmental Technical Leader

Attachments: Addendum IV to Nationwide Permit 12 Pre-Construction Notification

CC: U.S. Army Corps of Engineers, St. Louis District; Illinois Department of Natural Resources; Illinois Environmental Protection Agency

Ali Trunzo

From: Todd Wheaton
Sent: Friday, February 16, 2018 4:07 PM
To: Ali Trunzo
Subject: Project: E160438.00 - Spire - STL Pipeline Proj - File Transfer - Spire STL Project Information

Note: You have been CC'd on this notification.

IMPORTANT: Click a link below to access files associated with this transmittal that came in through the GAI Consultants, Inc. Info Exchange web site.

[View the transmittal in Newforma Project Center](#)

Additional links:

[Download all associated files](#)

[Sign in to the GAI Consultants, Inc. Info Exchange site](#)

[Configure cloud storage delivery](#)

[Reply to All](#)

Project Name: E160438.00 - Spire - STL Pipeline Proj
Project Number: E160438.00

From: Todd Wheaton (GAI Consultants, Inc.)
To: mike.irwin@dnr.mo.gov
CC: Ali Trunzo (GAI Consultants, Inc.); Robin Weissert (GAI Consultants, Inc.)
Subject: Spire STL Project Information
Sent via: Info Exchange
Expiration Date: None
Remarks: Hey Mike,

Link below to download all associated data associated with the Spire STL pipeline. Please let us know if you have any issues accessing the files.

Thanks!
Todd

Transferred Files

NAME	TYPE	DATE	TIME	SIZE
Spire STL Project Data MDNR.zip	Compressed (zipped) Folder	2/16/2018	4:01 PM	191,842 KB
Transmittal - 00107.pdf	PDF File	2/16/2018	4:06 PM	60 KB

Ali Trunzo

From: Todd Wheaton
Sent: Friday, February 16, 2018 3:27 PM
To: Irwin, Mike
Cc: Ali Trunzo; Robin Weissert
Subject: RE: Spire STL - Missouri 401

Good Afternoon Mike,

Yes the wetland delineation is complete, and we were able to stay under the threshold for the individual 401 within the State of Missouri. Did you receive the updated impact tables/data package we sent back in December? I will resend a copy along with all pertinent files via file transfer shortly so you have everything in one place for your records. Please let me know if there is anything else you may need once you get a chance to comb through everything and I can supply whatever you may still need. Please let me know if you have any questions.

Thanks!
Todd

Todd C. Wheaton
D 234.203.0765 M 330.415.8364



GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

From: Irwin, Mike [mailto:mike.irwin@dnr.mo.gov]
Sent: Friday, February 16, 2018 2:39 PM
To: Todd Wheaton <T.Wheaton@gaiconsultants.com>
Subject: RE: Spire STL - Missouri 401

Hello Todd,

I am following up regarding the wetland delineation.
Is it safe to assume the wetland delineation was completed? And impacts were reduced below levels requiring individual Missouri Clean Water Act Section 401 Water Quality Certification?
If so, can I have a copy of it for our files? I would like that record to close out the project.

Thank you,

Mike Irwin, Environmental Scientist
Clean Water Act Section 401 Water Quality Certification, Operating Permits Section, Water Protection Program
Missouri Department of Natural Resources
PO BOX 176, 1101 Riverside Dr., Jefferson City, MO 65102
573-522-1131 (Office) 573-522-9920 (FAX)
mike.irwin@dnr.mo.gov

Ali Trunzo

From: Carey, Daniel <daniel.carey@dnr.mo.gov>
Sent: Thursday, January 18, 2018 11:56 AM
To: Ali Trunzo
Cc: Gilstrap, Eric; Lori M Ferry (lmferry@burnsmcd.com); Robin Weissert
Subject: RE: Spire STL Pipeline – Coldwater Creek

Ms. Trunzo,

Thanks again for keeping us in the loop; sorry I could not get back to you right away on this issue.

Considering USACE's response to Spire, the Department's Hazardous Waste Program has no additional concerns regarding Spire's revised pipeline plan.

Daniel Carey
FUSRAP Project Manager
Missouri Department of Natural Resources
(314) 877-3047 Work
(314) 265-4272 Cell

From: Ali Trunzo [mailto:A.Trunzo@gaiconsultants.com]
Sent: Monday, January 15, 2018 1:15 PM
To: Carey, Daniel
Cc: Gilstrap, Eric; Lori M Ferry (lmferry@burnsmcd.com); Robin Weissert
Subject: RE: Spire STL Pipeline – Coldwater Creek

Mr. Carey,

I wanted to just check in with you to see if you have had a chance to review the materials sent regarding the Project's proposed crossing of Coldwater Creek.

If you have any questions on this information, feel free to call or email.

Thank you,

Ali

From: Ali Trunzo
Sent: Thursday, January 04, 2018 12:26 PM
To: 'Daniel.Carey@dnr.mo.gov' <Daniel.Carey@dnr.mo.gov>
Cc: 'eric.gilstrap@dnr.mo.gov' <eric.gilstrap@dnr.mo.gov>; Lori M Ferry (lmferry@burnsmcd.com) <lmferry@burnsmcd.com>; Robin Weissert <R.Weissert@gaiconsultants.com>; Ali Trunzo <A.Trunzo@gaiconsultants.com>
Subject: Spire STL Pipeline – Coldwater Creek

Mr. Carey,

GAI Consultants, on behalf of Spire STL Pipeline LLC ("Spire"), previously corresponded with your office regarding the proposed crossing of Coldwater Creek on the Spire STL Pipeline Project.

Spire is proposing to open cut the stream in an alternative location, and has coordinated with the United States Army Corps of Engineers (“USACE”) FUSRAP program. USACE confirmed that there are no contamination concerns and no utility support required for the proposed crossing. A record of correspondence with USACE is attached, and includes a map.

Spire has separately coordinated with MDNR to submit an updated Nationwide Permit Preconstruction Notification inclusive of this crossing in December 2017.

Can you confirm if MDNR has any concerns or requires additional information about this crossing in terms of FUSRAP?

Thank you,

Ali

Alessandra M. Trunzo
Project Environmental Specialist

385 E. Waterfront Drive, Homestead, PA 15120-5005

Direct 412.399.5096 **Office** 412.476.2000 **Email** a.trunzo@gaiconsultants.com

Connect with GAI | [Facebook](#) | [LinkedIn](#) | [Twitter](#) | [YouTube](#) | [News & Insights](#)



GAI Consultants provides local expertise to worldwide clients in the energy, transportation, development, government, and industrial markets.

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

Ali Trunzo

From: Rankins, Jonathan E CIV USARMY CEMVS (US) <Jonathan.E.Rankins@usace.army.mil>
Sent: Thursday, December 28, 2017 1:30 PM
To: Ali Trunzo; Prebianca, Jacob A CIV USARMY CEMVS (US); Viehweg, William H CIV USARMY CEMVS (US)
Cc: Lori M Ferry (lmferry@burnsmcd.com); Robin Weissert
Subject: RE: Spire STL Pipeline – Coldwater Creek

No USACE utility support required

-----Original Message-----

From: Ali Trunzo [mailto:A.Trunzo@gaiconsultants.com]
Sent: Thursday, December 21, 2017 4:44 PM
To: Prebianca, Jacob A CIV USARMY CEMVS (US) <Jacob.A.Prebianca@usace.army.mil>; Rankins, Jonathan E CIV USARMY CEMVS (US) <Jonathan.E.Rankins@usace.army.mil>
Cc: Lori M Ferry (lmferry@burnsmcd.com) <lmferry@burnsmcd.com>; Ali Trunzo <A.Trunzo@gaiconsultants.com>; Robin Weissert <R.Weissert@gaiconsultants.com>
Subject: [EXTERNAL] Spire STL Pipeline – Coldwater Creek

Hello,

GAI, on behalf of Spire STL Pipeline LLC (Spire), previously coordinated with you regarding the crossing of Coldwater Creek as part of the proposed Spire STL Pipeline Project. Due to some constructability constraints with the previously proposed horizontal directional drill (HDD) of Coldwater Creek, Spire is now proposing to open cut the stream in an alternative location (please see attached mapping).

Are there any concerns with contamination or any need for utility support for this proposed crossing?

Thank you,

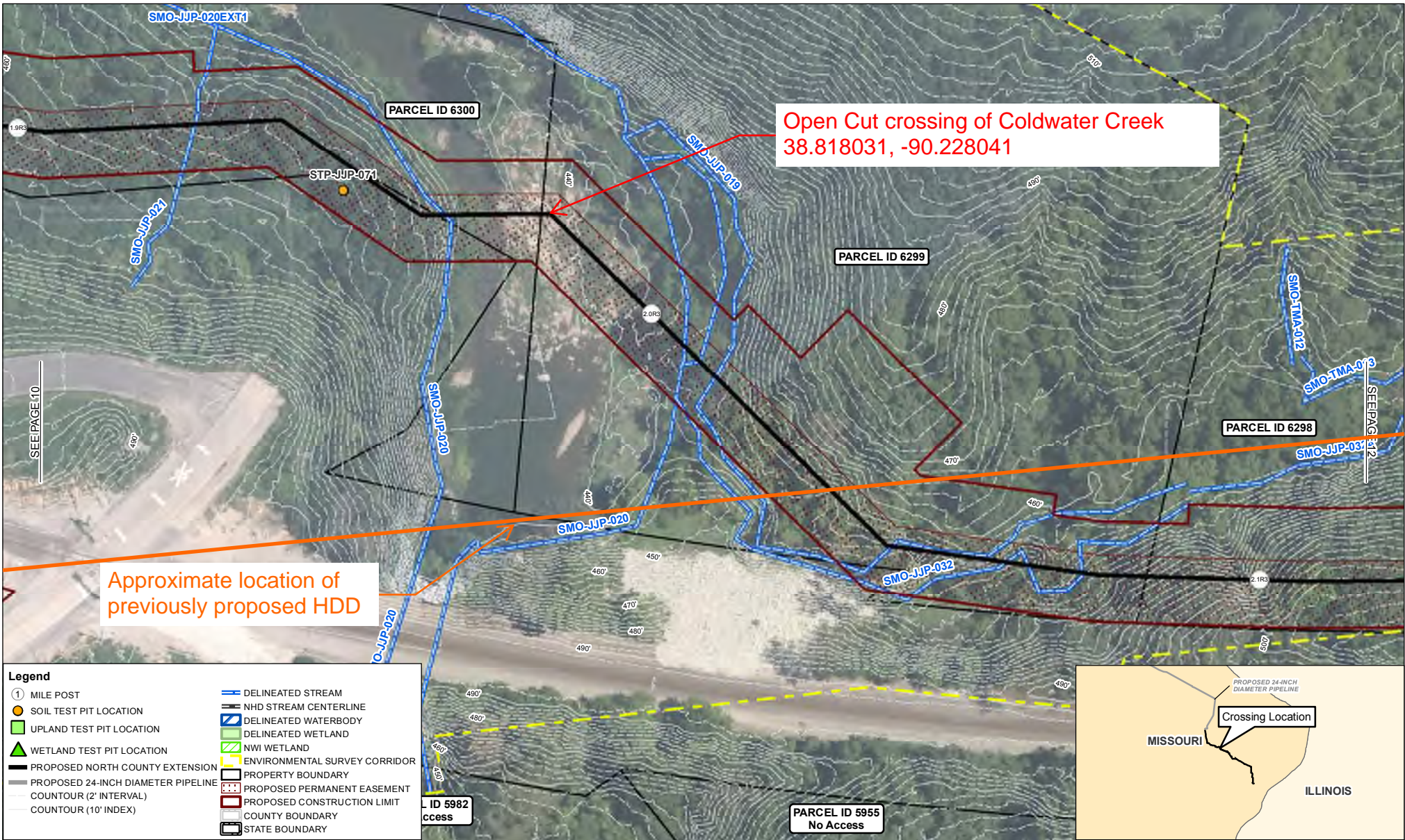
Ali

Alessandra M. Trunzo

D 412.399.5096 Email a.trunzo@gaiconsultants.com

<Blockedhttp://gaiconsultants.com/>

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.



Open Cut crossing of Coldwater Creek
38.818031, -90.228041

Approximate location of
previously proposed HDD

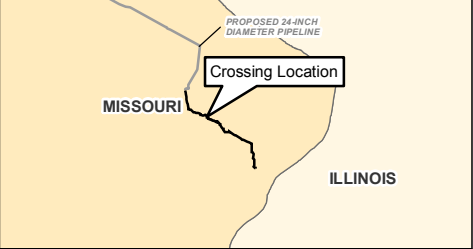
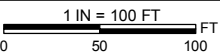
Legend

- ① MILE POST
- SOIL TEST PIT LOCATION
- UPLAND TEST PIT LOCATION
- ▲ WETLAND TEST PIT LOCATION
- PROPOSED NORTH COUNTY EXTENSION
- PROPOSED 24-INCH DIAMETER PIPELINE
- COUNTOUR (2' INTERVAL)
- COUNTOUR (10' INDEX)
- DELINEATED STREAM
- NHD STREAM CENTERLINE
- DELINEATED WATERBODY
- DELINEATED WETLAND
- NWI WETLAND
- ENVIRONMENTAL SURVEY CORRIDOR
- PROPERTY BOUNDARY
- PROPOSED PERMANENT EASEMENT
- PROPOSED CONSTRUCTION LIMIT
- COUNTY BOUNDARY
- STATE BOUNDARY

Impact Table

GAI ID	Latitude	Longitude	Crossing Type	Impact Within LOD	Impact Within Permanent ROW	Clearing Within Temporary Workspace	Stream Name	Type
SMO-JJP-019	38.817622	-90.227917	Dry Ditch Flume	60 feet	31 feet	29 feet	UNT to Coldwater Creek	Perennial
SMO-JJP-020	38.818193	-90.228281	Dry Ditch Flume	123 feet	62 feet	61 feet	Coldwater Creek	Perennial
SMO-JJP-021	38.818605	-90.228667	Dry Ditch Flume	79 feet	52 feet	27 feet	UNT to Coldwater Creek	Ephemeral
SMO-JJP-032	38.816792	-90.227466	Dry Ditch Flume	292 feet	219 feet	73 feet	UNT to Coldwater Creek	Perennial

NOTE: THE PARCEL BOUNDARIES DEPICTED IN THESE DRAWINGS ARE BASED ON TAX MAP DATA.



SPIRE STL PIPELINE PROJECT
WETLAND & WATERBODY SITE SPECIFIC DRAWING
ST. LOUIS COUNTY, MISSOURI

MP 1.9R3 TO MP 2R3
STLP-ENV-011

DATE	REV	REV DESCRIPTION	DRAWN BY	CHECK BY	APPR. BY
12/2017	3	ISSUE FOR PERMIT	EAP	ASH	JW

PREPARED FOR **Spire STL Pipeline**

telephone log



gai consultants

Date: 1/17/2018

Project / Admin. No.: E160438.00

Call From: Ali Trunzo

Company: GAI Consultants

Phone No.: 412.399.5096

Call To: Daniel Carey

Company: Missouri Department of Natural Resources ("MDNR")

Phone No.: 314.877.3047

Subject: FUSRAP – Coldwater Creek

cc:

Summary of Discussion, Decisions, and Commitments:

I called to follow up with Mr. Carey regarding the revised crossing location and method for Coldwater Creek. Mr. Carey confirmed that MDNR has no concerns given the United States Army Corps of Engineers response, and will send an email to that effect.



Indianapolis Office
6420 Castleway West Drive
Indianapolis, IN 46250

T 317.570.6800
F 317.570.6810

December 15, 2017

Project E160438.00

Mike Irwin
Environmental Scientist
Clean Water Act Section 401 Water Quality Certification, Operating Permits section, Water Protection Program
Missouri Department of Natural Resources
P.O. Box 176, 1101 Riverside Drive
Jefferson City, Missouri 65102

**Addendum III to Nationwide Permit 12 Pre-Construction Notification
Spire STL Pipeline LLC
Spire STL Pipeline Project (USACE Project MVS-2016-582)
Scott, Greene, and Jersey Counties, Illinois, and St. Charles and St. Louis Counties, Missouri**

Dear Mr. Irwin:

On behalf of Spire STL Pipeline LLC ("Spire"), GAI Consultants, Inc. ("GAI") submitted a Nationwide Permit 12 Pre-Construction Notification ("PCN") and Section 10 letter of permission request for the Spire STL Pipeline Project ("Project"), located in Scott, Greene, and Jersey Counties, Illinois ("IL"), and St. Charles and St. Louis Counties, Missouri ("MO") to the U.S. Army Corps of Engineers, St Louis District on January 27, 2017. An addendum to the PCN was submitted to your office on April 21, 2017, and a second addendum on July 14, 2017. Due to minor changes in the Project alignment, and completion of environmental field surveys, GAI has prepared this addendum III to the previously submitted PCN and Section 10 Letter of Permission.

The Project will consist of approximately 65 miles of new 24-inch-diameter steel pipeline in two segments. The first segment (referred to as the "24-inch pipeline" portion of the Project) will originate at a new interconnect with the Rockies Express Pipeline LLC ("REX") pipeline in Scott County, Illinois and extend approximately 59 miles through Greene and Jersey Counties in Illinois before crossing the Mississippi River and extending east through St. Charles County, Missouri. The 24-inch pipeline then crosses the Missouri River into St. Louis County, Missouri, and terminates at a new interconnect with Laclede Gas Company ("LGC"). The second segment of pipeline (referred to as the "North County Extension"), will consist of a new 24-inch-diameter steel pipeline which will extend approximately six miles from the LGC interconnect through the northern portion of St. Louis County and terminate at a new interconnect with Enable Mississippi River Transmission, LLC ("Enable MRT") and LGC. The total length of the Project pipeline will be approximately 65 miles. The Project also includes the construction of three new metering and regulating ("M&R") stations that provide interconnects with (1) REX in Illinois, (2) LGC in Missouri, and (3) Enable MRT and LGC in Missouri. This Project, as proposed, falls under the oversight of the Federal Energy Regulatory Commission (FERC).

GAI, on behalf of Spire, is hereby submitting for review a hard copy and an electronic copy of the Project's Nationwide Permit ("NWP") 12 PCN Addendum. This package has been prepared based on the Project adhering to the general and regional conditions of a NWP-12 and Section 401 Water Quality Certification General and Specific Conditions within the State of Missouri. Individual water quality certification is no longer required by the Missouri Department of Natural Resources ("MDNR") for proposed impacts associated with the 24-inch pipeline and North County Extension based on the 2017 Section 401 General and Specific Conditions. An Illinois-specific copy of this PCN Addendum has also been provided to the Illinois Department of Natural Resources and the Illinois Environmental Protection Agency concurrently with this submittal for their confirmation of General Section 401 coverage.

United States Fish and Wildlife Service ("USFWS") consultation was initiated on August 29, 2016 and an initial response was received on December 8, 2016. Subsequent communication with USFWS determined the Project is within range of the decurrent false aster (*Boltonia decurrens*), and surveys were conducted for this species in July and August 2017. A survey report was submitted to USFWS on August 31, 2017 and a response was received on October 26, 2017.

Correspondence with the Illinois Historic Preservation Agency ("IHPA") and the Missouri State Historic Preservation Agency ("MO SHPO") has been ongoing. Additional areas in IL and MO were surveyed during the month of November, however concurrence from each SHPO is still outstanding for portions of the northern workspaces for the

Mississippi River drill and portions of the Missouri River drill. Additional responses from these agencies will be provided once received in the anticipation that this permit application's review can be initiated without those documents in hand. Agency correspondence is included as Attachment B in the attached PCN addendum.

Nationwide Permit (NWP) 12 and Section 401 Water Quality Certification

Within the State of Missouri, temporary impacts to 25 streams and 14 wetlands will be necessary to construct the Project. Impacted streams and wetlands will be crossed using the dry-ditch open-cut method. A dam and flume method of dewatering is installed to create a dry work area, the trenches are dug, the pipeline is placed, and the trench is then refilled and the work area reclaimed. Other aquatic resources, including the Mississippi and Missouri Rivers, Spanish Lake, and Sunfish Lake, will be crossed using a Horizontal Directional Drill (HDD) method. This method involves boring a tunnel beneath the aquatic resources through which the pipeline will be pulled and installed. No physical impacts to the aquatic resources are anticipated to occur with this construction method. Detailed information regarding these impacts can be found in Tables 1 and 2 in the attached PCN addendum. Additionally, Missouri specific impacts based on trench width have been outlined in Tables A and B below.

Avoiding stream and wetland impacts has been one of the driving factors in designing the proposed Project, and the currently proposed alignment represents an alternative that reduces stream and wetland impacts to the furthest extent practicable, while still meeting the purpose and need of the Project. Spire intends to utilize mitigation banking programs in IL and MO for impacts to forested and scrub-shrub wetlands. Further avoidance and minimization includes the placement of timber mats for equipment crossings of streams and wetlands, and the Limit of Disturbance ("LOD") width will be generally narrowed to a 75-foot width at the majority of the resource crossings.

Streams and Wetlands

Fieldwork associated with stream and wetland investigations for the Project was conducted between September 2016 and November 2017. The surveys identified streams and wetlands within a approximately 300-foot wide corridor centered on the proposed pipeline, and a 50-foot wide corridor surrounding the proposed access roads. Field investigations identified 121 wetlands, 237 waterbodies, and 12 ponds within the current Project study area. These features are outlined in the Addendum III to the Wetland Delineation and Stream Identification Report, included in the attached PCN Addendum.

Closing

Spire and GAI thank you in advance for your review of this NWP-12 PCN Addendum. Please feel free to contact me at 330-415-8364, or at t.wheaton@gaiconsultants.com if there are any questions or concerns.

Sincerely,

GAI Consultants, Inc.



Todd Wheaton
Assistant Environmental Technical Leader

Attachments: Addendum III to Nationwide Permit 12 Pre-Construction Notification

CC: U.S. Army Corps of Engineers, St. Louis District; Illinois Department of Natural Resources; Illinois Environmental Protection Agency

telephone log



gai consultants

Date: 12/1/2017

Project / Admin. No.: E160438.00

Call From: Todd Wheaton

Company: GAI Consultants

Phone No.: 234-203-0765

Call To: Mike Irwin

Company: Missouri Department of Natural Resources ("MDNR")

Phone No.: 573-522-1131

Subject: Coldwater Creek Open cut Crossing

cc:

Summary of Discussion, Decisions, and Commitments:

Called to discuss the proposed open cut crossing of Coldwater Creek. Mr. Irwin confirmed that under the 2017 Nationwide Permits, individual 401 water quality certification is not required for metropolitan no-discharge streams. The Project will continue to be eligible for the programmatic 401.

Ali Trunzo

Subject: FW: Spanish Lake and Coldwater Creek Dye Trace Study

From: Price, Peter [<mailto:peter.price@dnr.mo.gov>]
Sent: Wednesday, October 11, 2017 11:35 AM
To: Vijayashanthar, Vasikan <Vasikan.Vijayashanthar@mottmac.com>
Cc: Shah, Vatsal A <Vatsal.Shah@mottmac.com>
Subject: RE: Spanish Lake and Coldwater Creek Dye Trace Study

Vasikan,

In response to your first request, we have **no records** of any water traces to Cold Water Creek or in the Spanish Lakes area of St. Louis.

To access another set of known wells (and well logs) in the state, you can go to: <https://dnr.mo.gov/geology/wrc/logmain/index.html>. This listing of well logs comes from information provided voluntarily by the well driller regarding wells drilled prior to 1987. This data set also does not represent all wells drilled prior to 1987, but it is helpful in indicating where wells were being drilled (where groundwater was used for a drinking water source) and the logs provide stratigraphic information. There were probably many more wells drilled in any particular area than we have logs for. One caution, however; the location information on the logs is not always reliable or accurate.

Hope this helps.

Peter Price, RG
Chief, Environmental Geology Section
Missouri Geological Survey,
Department of Natural Resources
573-368-2131
peter.price@dnr.mo.gov
www.dnr.mo.gov/geology
Visit our New On-Line Store at:
<http://www.missourigeologystore.com/>

Promoting, Protecting and Enjoying our Natural Resources. Learn more at dnr.mo.gov.

From: Vijayashanthar, Vasikan [<mailto:Vasikan.Vijayashanthar@mottmac.com>]
Sent: Tuesday, October 10, 2017 2:17 PM
To: Price, Peter
Cc: Shah, Vatsal A
Subject: Spanish Lake and Coldwater Creek Dye Trace Study

Hey Peter,

I am following-up on the phone call we just had regarding a potential dye trace study in the vicinity of **Spanish Lake** and **Coldwater Creek** in St. Louis, MO. I hope to receive any available information regarding existing dye trace studies that have been completed within the vicinity for which these two water bodies are the receptors.

Feel free to reach out to me if you need any further clarification or information via phone at (973) 912-2587.

Thanks,

Vasikan Vijayashanthar
Engineer II

T +1(973) 912 2587 C +1(716) 730 0342 F +1 (973) 912 2400



Missouri State Historic Preservation Office

telephone log



gai consultants

Date: May 9, 2018

Project / Admin. No.: E160438.00

Call From: Angie Hood

Company: GAI Consultants, Inc.

Phone No.: 412.399.5043

Call To: Heather Gibb, Review, Compliance, and Records Coordinator

Company: Missouri State Historic Preservation Office (MO SHPO)

Phone No.: 573-751-7862

Subject: Spire STL Pipeline Project Revised Addendum VI Report Review

cc:

Summary of Discussion, Decisions, and Commitments:

I called Heather Gibb to follow up on her review of the Revised Addendum VI Report for the Spire STL Pipeline Project, which was submitted to the MO SHPO on April 6, 2018. She said that the report was on her desk, and that she should be able to review it either today or tomorrow. I thanked her for the update and asked her to call me if she had any questions during her review.



Southpointe Office
6000 Town Center Boulevard
Suite 300
Canonsburg, Pennsylvania 15317

T 724.873.3545
F 724.873.2199

April 6, 2018

Ms. Heather Gibb
Review, Compliance, and Records Coordinator
Missouri State Historic Preservation Office
P.O. Box 176
Jefferson City, Missouri 65102

**Re: Submittal of Revised Addendum VI Technical Report – Phase I Archaeological Survey
SHPO Log #: 061-MLT-16
Spire STL Pipeline Project
St. Charles and St. Louis Counties, Missouri**

Dear Ms. Gibb:

In response to an email from the Missouri State Historic Preservation Office ("Missouri SHPO") on March 20, 2018, GAI Consultants, Inc. ("GAI"), on behalf of Spire STL Pipeline LLC ("Spire"), a wholly owned subsidiary of Spire Inc., is submitting a revised Addendum VI Phase I Archaeological Survey Technical Report for your review and concurrence. The draft version of this revised report was initially submitted to the Missouri SHPO on February 26, 2018. As requested, the attached revised report addresses the following comments:

- ▶ There is an isolated find listed as ineligible based on shovel tests. When I looked at the shovel tests, it seems like the cruciform pattern was not completed off of one of the positive shovel tests, therefore the boundaries of the isolated find were not determined. Is there a reason for this that wasn't included in the report?

The revised report includes an updated description of the shovel testing strategy at Isolated Find FD# 306 on Page 9. GAI, on behalf of Spire, is requesting your review and concurrence of the attached revised technical report presenting the archaeological results and recommendations for the Project.

We look forward to continuing to work with you on this Project. Please contact Ms. Angela Hood at 412.399.5043 or a.hood@gaiconsultants.com, if there are questions regarding this report.

Sincerely,

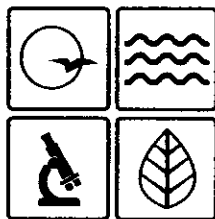
GAI Consultants, Inc.

Angela N. Hood, M.A., RPA
Project Archaeologist

Robin Weissert, CEP
Assistant Environmental Manager

ANH:RW/kea

Attachments: Attachment 1 (Revised Technical Report – Addendum VI Phase I Archaeological Survey); Attachment 2 (Revised Addendum VI Section 106 Survey Memo)



Missouri Department of dnr.mo.gov

NATURAL RESOURCES

Eric R. Greitens, Governor

Carol S. Comer, Director

March 15, 2018

Mr. Benjamin Resnick
Cultural Resources Manager
6000 Towne Center Blvd, Ste 300
Canonsburg, Pennsylvania 15317

Re: **SHPO Project # 061-MLT-16** Spire STL Pipeline Project, MO (FERC)

Dear Mr. Resnick:

Thank you for submitting information on the above referenced project for our review pursuant to Section 106 of the National Historic Preservation Act (P.L. 89-665, as amended) and the Advisory Council on Historic Preservation's regulation 36 CFR part 800, which require identification and evaluation of cultural resources.

We have reviewed the February 2018 report entitled *Technical Report – Addendum V Phase I Archaeological Survey, Spire STL Pipeline Project, St. Charles and St. Louis Counties, Missouri* by GAI Consultants, Inc. Based on this review it is evident that a thorough and adequate monitoring of the cultural resources has been conducted of this portion of the project area. We concur with the investigator's recommendation that there will be no historic properties affected and, therefore, we have no objection to the completion of this portion of the project activities.

Please be advised that, should project plans change, information documenting the revisions should be submitted to this office for further review. In the event that cultural materials are encountered during further project activities, all construction should be halted, and this office notified as soon as possible in order to determine the appropriate course of action.

If you have any questions please write Missouri Department of Natural Resources, State Historic Preservation Office, Attn: Review and Compliance, P.O. Box 176, Jefferson City, Missouri 65102, or call Heather Gibb (573) 751-7862. Please be sure to include the **SHPO Project Number (061-MLT-16)** on all future correspondence relating to this project.



Mr. Resnick
Page 2

If the information is provided via telephone call, please follow up in writing for our files.

Sincerely,

STATE HISTORIC PRESERVATION OFFICE

A handwritten signature in cursive script that reads "Toni M. Prawl".

Toni M. Prawl, PhD
Director and Deputy
State Historic Preservation Officer

TMP:hg

c: Ms. Kimberly D. Bose, FERC



February 26, 2018

Ms. Heather Gibb
Review, Compliance, and Records Coordinator
Missouri State Historic Preservation Office
P.O. Box 176
Jefferson City, Missouri 65102

**Re: Submittal of Technical Report - Addendum VI
Phase I Archaeological Survey
SHPO Log #: 061-MLT-16
Spire STL Pipeline Project
St. Charles and St. Louis Counties, Missouri**

Dear Ms. Gibb:

Spire STL Pipeline LLC ("Spire"), a wholly owned subsidiary of Spire Inc., is seeking authorization from the Federal Energy Regulatory Commission pursuant to Section 7(c) of the Natural Gas Act to construct and operate the proposed Spire STL Pipeline Project ("Project") located in Scott, Greene, and Jersey Counties, Illinois, and St. Charles and St. Louis Counties, Missouri. The total length of the Project pipelines will be approximately 104 kilometers (65 miles), of which 31.43 kilometers (19.53 miles) are in Missouri.

GAI Consultants, Inc. ("GAI") conducted a supplemental Phase I archaeological investigation on January 9-13, 2018. The Area of Potential Effect ("APE") for the supplemental archaeological investigations included a potential reroute within previously un-surveyed portions of six land parcels along the North County Extension portion of the Project from Milepost 0.9-1.3. The six land parcels include MMID 6085, 6086, 6065, 6071, 6073, and 6064. In total, the supplemental archaeological APE within the Missouri portion of the proposed Project included 7.57 hectares (18.72 acres).

The total APE for the Missouri portion of the proposed Project is 323.39 hectares (799.13 acres). Of this, 7.57 hectares (18.72 acres) was surveyed on January 9-13, 2018 during supplemental fieldwork. Approximately 290.2 hectares (717.1 acres) was surveyed prior to January 2018 for the proposed Project and other prior cultural resource surveys. Approximately 25.62 hectares (63.31 acres) of the Project area will be avoided by way of installation via HDD. Upon conclusion of supplemental fieldwork in January 2018, Phase I cultural resources survey has been completed in the Missouri portion of the Project APE, as currently designed.

Background research results indicate that one previously recorded archaeological resource is mapped within the supplemental APE: Site 23SL524. The site, an undated precontact habitation, was not re-identified during the supplemental Phase I survey.

Two archaeological resources, an undated precontact isolated find (FD# 306) and remnants of a mid-twentieth-century horse barn foundation (FD# 307) were identified during supplemental Phase I survey of the Missouri portion of the proposed Project. GAI recommends that both resources are not eligible for listing in the National Register of Historic Places under Criterion D, and no further work is recommended. Furthermore, GAI recommends no further work for the portion of Site 23SL524 mapped within the supplemental APE, given that the site was not re-identified.

GAI, on behalf of Spire, is requesting your review and concurrence of the attached addendum technical report presenting the archaeological results and recommendations for the Project. We look forward to

continuing to work with you on this Project. Please contact Ms. Angela Hood at 412.399.5043 or a.hood@gaiconsultants.com, if there are questions regarding this report.

Sincerely,

GAI Consultants, Inc.



Angela N. Hood, M.A., RPA
Project Archaeologist



Robin Weissert, CEP
Assistant Environmental Manager

ANH:RW/gmg

Attachments: Attachment 1 (Technical Report - Addendum VI, Phase I Archaeological Survey) and Attachment 2 (Section 106 Survey Memo)



Southpointe Office
6000 Town Center Boulevard
Suite 300
Canonsburg, Pennsylvania 15317

T 724.873.3545
F 724.873.2199

February 21, 2018

Ms. Heather Gibb
Review, Compliance, and Records Coordinator
Missouri State Historic Preservation Office
P.O. Box 176
Jefferson City, Missouri 65102

**Re: Submittal of Revised Addendum V Technical Report – Phase I Archaeological Survey
SHPO Log #: 061-MLT-16
Spire STL Pipeline Project
St. Charles and St. Louis Counties, Missouri**

Dear Ms. Gibb:

In response to a letter from the Missouri State Historic Preservation Office ("MO SHPO") dated January 30, 2018, GAI Consultants, Inc. ("GAI"), on behalf of Spire STL Pipeline LLC ("Spire"), a wholly owned subsidiary of Spire Inc., is submitting a revised Addendum V Phase I Archaeological Survey Technical Report for your review and concurrence. The draft version of this revised report was initially submitted to the MO SHPO on January 10, 2018. As requested, the attached revised report addresses the following comments:

- ▶ Your submittal is missing information regarding archaeological surveys completed within 1 mile of the project, as stated by your methodology and background review. Please revise the report to include the missing information.

GAI, on behalf of Spire, is requesting your review and concurrence of the attached revised technical report presenting the archaeological results and recommendations for the Project.

We look forward to continuing to work with you on this Project. Please contact Ms. Angela Hood at 412.399.5043 or a.hood@gaiconsultants.com, if there are questions regarding this report.

Sincerely,

GAI Consultants, Inc.

Angela N. Hood, M.A., RPA
Project Archaeologist

Robin Weissert, CEP
Assistant Environmental Manager

ANH:RW/kea

Attachments: Attachment 1 (Revised Technical Report – Addendum V Phase I Archaeological Survey); Attachment 2 (Revised Addendum V Section 106 Survey Memo)

Ali Trunzo

From: Angela Hood
Sent: Wednesday, February 14, 2018 2:58 PM
To: Gibb, Heather
Subject: RE: Spire STL Pipeline Project (SHPO Log # 061-MLT-16) Unanticipated Discoveries Plan

Hi Heather,

Your email will be sufficient on our end for documentation. Thanks!

Best,

Angie

Angela N. Hood, M.A., RPA
D 412.399.5043 M 412.228.9807



GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

From: Gibb, Heather [mailto:Heather.Gibb@dnr.mo.gov]
Sent: Wednesday, February 14, 2018 2:55 PM
To: Angela Hood <a.hood@gaiconsultants.com>
Subject: RE: Spire STL Pipeline Project (SHPO Log # 061-MLT-16) Unanticipated Discoveries Plan

Hi Angela,

This looks good. Do you need a formal comment letter?

Thanks,
Heather

Heather Gibb

Review, Compliance, Records Coordinator
Missouri SHPO
PO Box 176
Jefferson City, MO 65102
573-751-7862

We'd like your feedback on the service you received from the Missouri Department of Natural Resources. Please consider taking a few minutes to complete the department's Customer Satisfaction Survey at <https://www.surveymonkey.com/r/MoDNRsurvey>. Thank you

From: Angela Hood [mailto:a.hood@gaiconsultants.com]
Sent: Monday, February 12, 2018 2:41 PM

To: Gibb, Heather <Heather.Gibb@dnr.mo.gov>

Cc: Ben Resnick <b.resnick@gaiconsultants.com>; Ali Trunzo <A.Trunzo@gaiconsultants.com>; Robin Weissert <R.Weissert@gaiconsultants.com>

Subject: RE: Spire STL Pipeline Project (SHPO Log # 061-MLT-16) Unanticipated Discoveries Plan

Hi Heather,

For your records, I've attached the revised Unanticipated Discoveries Plan. The document includes language regarding work stoppage within 50 feet if human remains are discovered, per your request below. Let me know if you have any questions.

Thanks,

Angie

Angela N. Hood, M.A., RPA

D 412.399.5043 **M** 412.228.9807



GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

From: Gibb, Heather [<mailto:Heather.Gibb@dnr.mo.gov>]

Sent: Thursday, February 08, 2018 4:46 PM

To: Angela Hood <a.hood@gaiconsultants.com>

Subject: RE: Spire STL Pipeline Project (SHPO Log # 061-MLT-16) Unanticipated Discoveries Plan

Hi Angie,

Unfortunately, for the time being, I'm filling my new position as coordinator and my old position. I'm the only archaeologist on staff right now. We will still have Amanda Burke completing the above ground structures, but I'll be your primary contact.

Thanks,
Heather

Heather Gibb

Review, Compliance, Records Coordinator
Missouri SHPO
PO Box 176
Jefferson City, MO 65102
573-751-7862

We'd like your feedback on the service you received from the Missouri Department of Natural Resources. Please consider taking a few minutes to complete the department's Customer Satisfaction Survey at <https://www.surveymonkey.com/r/MoDNRsurvey>. Thank you

From: Angela Hood [<mailto:a.hood@gaiconsultants.com>]

Sent: Thursday, February 8, 2018 3:45 PM

To: Gibb, Heather <Heather.Gibb@dnr.mo.gov>

Subject: RE: Spire STL Pipeline Project (SHPO Log # 061-MLT-16) Unanticipated Discoveries Plan

Hi Heather,

Thanks for your email. We'll revise the Unanticipated Discoveries Plan to reflect work stoppage in a 50-foot radius of any discovery of human remains and will send the updated version back to you for your records.

We don't need a signature for this – the email will be sufficient.

You mentioned that you're filling in for Judith since she retired, but should we add anyone else at the Missouri SHPO that might be a reviewer for the Spire Project to our list of contacts?

Thanks!

Best,

Angie

Angela N. Hood, M.A., RPA

D 412.399.5043 **M** 412.228.9807



GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

From: Gibb, Heather [<mailto:Heather.Gibb@dnr.mo.gov>]

Sent: Wednesday, February 07, 2018 1:01 PM

To: Angela Hood <a.hood@gaiconsultants.com>

Subject: RE: Spire STL Pipeline Project (SHPO Log # 061-MLT-16) Unanticipated Discoveries Plan

Hello Angela,

I just completed a review of the unanticipated discoveries document. This looks good, but it lists having work stopped in an area of 25ft if human remains are discovered, but the law states that work needs to be halted in a 50 ft. radius ([Missouri Revised Statutes, Section 194.406](#)). If that could be altered, then I think that this would be fine. You do not need a signature for this correct? Do you want me to send a formal letter with these comments or would you prefer just this email?

Thanks,
Heather

Heather Gibb

Review, Compliance, Records Coordinator

Missouri SHPO

PO Box 176

Jefferson City, MO 65102

573-751-7862

From: Angela Hood [<mailto:a.hood@gaiconsultants.com>]

Sent: Tuesday, January 30, 2018 1:03 PM

To: Gibb, Heather <Heather.Gibb@dnr.mo.gov>

Cc: Ben Resnick <b.resnick@gaiconsultants.com>; Ali Trunzo <A.Trunzo@gaiconsultants.com>; Robin Weissert <R.Weissert@gaiconsultants.com>

Subject: Spire STL Pipeline Project (SHPO Log # 061-MLT-16) Unanticipated Discoveries Plan

Hi Heather,

We're tying up some loose ends for the Spire STL Pipeline Project (SHPO Log # 061-MLT-16), and I'm hoping you can provide your concurrence for the attached Unanticipated Discoveries Plan (UDP) for the project. GAI, on behalf of Spire, submitted this revised UDP to the Missouri SHPO on April 10, 2017 to address comments from your office (letter dated November 17, 2016), as well as comments from the Federal Energy Regulatory Commission.

Feel free to call or email me with any questions. Thanks!

Best Wishes,

Angie

Angela N. Hood, M.A., RPA

Project Archaeologist

GAI Consultants, 385 East Waterfront Drive, Homestead, PA 15120-5005

D 412.399.5043 **M** 412.228.9807

[Facebook](#) | [LinkedIn](#) | [Twitter](#) | [YouTube](#) | [News & Insights](#)



**ENGINEERING,
PLANNING, AND
ENVIRONMENTAL
CONSULTING SINCE 1958**

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

Ali Trunzo

Subject: FW: Spire STL Pipeline Project (SHPO Log # 061-MLT-16) Unanticipated Discoveries Plan

From: Angela Hood
Sent: Wednesday, February 14, 2018 11:39 AM
To: Gibb, Heather <Heather.Gibb@dnr.mo.gov>
Subject: RE: Spire STL Pipeline Project (SHPO Log # 061-MLT-16) Unanticipated Discoveries Plan

Thanks so much, Heather. I'll revise the report accordingly and will send it out to you later this week.

Angela N. Hood, M.A., RPA
D 412.399.5043 M 412.228.9807



GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

From: Gibb, Heather [<mailto:Heather.Gibb@dnr.mo.gov>]
Sent: Wednesday, February 14, 2018 11:16 AM
To: Angela Hood <a.hood@gaiconsultants.com>
Subject: RE: Spire STL Pipeline Project (SHPO Log # 061-MLT-16) Unanticipated Discoveries Plan

Hi Angela,

It has the survey that was initially missed. Thank you!

Best,
Heather

Heather Gibb

Review, Compliance, Records Coordinator
Missouri SHPO
PO Box 176
Jefferson City, MO 65102
573-751-7862

We'd like your feedback on the service you received from the Missouri Department of Natural Resources. Please consider taking a few minutes to complete the department's Customer Satisfaction Survey at <https://www.surveymonkey.com/r/MoDNRsurvey>. Thank you

From: Angela Hood [<mailto:a.hood@gaiconsultants.com>]
Sent: Friday, February 9, 2018 4:01 PM
To: Gibb, Heather <Heather.Gibb@dnr.mo.gov>
Subject: RE: Spire STL Pipeline Project (SHPO Log # 061-MLT-16) Unanticipated Discoveries Plan

Hi Heather,

I'm updating our information regarding archaeological surveys completed within 1 mile of the Addendum V Area of Potential Effect as requested in your response letter. When you get a chance, could you please review the attached table and let me know whether I captured all the surveys you'd like to see in the revised version of the Addendum V report? Also, let me know if the summary paragraph and associated table provided in the Addendum V report is an acceptable format for presenting prior archaeological survey information. Thanks!

Best,

Angie

Angela N. Hood, M.A., RPA

D 412.399.5043 **M** 412.228.9807



GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

From: Gibb, Heather [<mailto:Heather.Gibb@dnr.mo.gov>]

Sent: Wednesday, February 07, 2018 10:29 AM

To: Angela Hood <a.hood@gaiconsultants.com>

Subject: RE: Spire STL Pipeline Project (SHPO Log # 061-MLT-16) Unanticipated Discoveries Plan

Hi Angie,

Here is a copy of the letter. Let me know if you need anything else.

Thanks,
Heather

Heather Gibb

Review, Compliance, Records Coordinator

Missouri SHPO

PO Box 176

Jefferson City, MO 65102

573-751-7862

From: Angela Hood [<mailto:a.hood@gaiconsultants.com>]

Sent: Wednesday, February 7, 2018 8:54 AM

To: Gibb, Heather <Heather.Gibb@dnr.mo.gov>

Subject: RE: Spire STL Pipeline Project (SHPO Log # 061-MLT-16) Unanticipated Discoveries Plan

Hi Heather,

If it's not too much trouble, I would like to have a scanned copy of the letter. Thanks!

Best,

Angie

Angela N. Hood, M.A., RPA
D 412.399.5043 M 412.228.9807



GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

From: Gibb, Heather [<mailto:Heather.Gibb@dnr.mo.gov>]
Sent: Tuesday, February 06, 2018 9:38 AM
To: Angela Hood <a.hood@gaiconsultants.com>
Subject: RE: Spire STL Pipeline Project (SHPO Log # 061-MLT-16) Unanticipated Discoveries Plan

Hi Angela,

I located this report. Sorry for the delay. Our response was signed and mailed on the 30th. I can scan and send a copy of the letter if you would like. There were some archaeological surveys missing from the 1 mile APE.

Thanks,
Heather

Heather Gibb

Review, Compliance, Records Coordinator
Missouri SHPO
PO Box 176
Jefferson City, MO 65102
573-751-7862

From: Angela Hood [<mailto:a.hood@gaiconsultants.com>]
Sent: Wednesday, January 31, 2018 11:06 AM
To: Gibb, Heather <Heather.Gibb@dnr.mo.gov>
Subject: RE: Spire STL Pipeline Project (SHPO Log # 061-MLT-16) Unanticipated Discoveries Plan

Thanks, Heather.

I also wanted to follow up on the review of the Spire Addendum V report, which was submitted to your office on January 11, 2018. I realize you're covering Judith's workload as well as your own and that response times are delayed accordingly, but I just wanted to confirm that you received the report and that it's on your radar. Thanks!

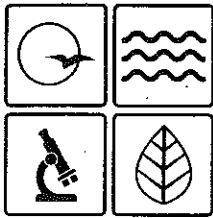
Best,

Angie

Angela N. Hood, M.A., RPA
D 412.399.5043 M 412.228.9807



GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.



Missouri Department of

dnr.mo.gov

NATURAL RESOURCES

Eric R. Greitens, Governor

Carol S. Comer, Director

January 30, 2018

Mr. Benjamin Resnick, Cultural Resources Manager
6000 Towne Center Blvd, Ste 300
Canonsburg, Pennsylvania 15317

Re: **SHPO Project # 061-MLT-16** Spire STL Pipeline Project, MO (FERC)

Dear Mr. Resnick:

Thank you for submitting information on the above referenced project for our review pursuant to Section 106 of the National Historic Preservation Act (P.L. 89-665, as amended) and the Advisory Council on Historic Preservation's regulation 36 CFR part 800, which require identification and evaluation of cultural resources.

Your submittal is missing information regarding archaeological surveys completed within 1 mile of the project, as stated by your methodology and background review. Please revise the report to include the missing information. Send one physical copy and one electronic copy on CD of the amended report to our office. Once we receive the completed report, we can process your request.

If you have any questions please write Missouri Department of Natural Resources, State Historic Preservation Office, Attn: Review and Compliance, P.O. Box 176, Jefferson City, Missouri 65102, or call Heather Gibb (573) 751-7862. Please be sure to include the **SHPO Project Number (061-MLT-16)** on all future correspondence relating to this project. If the information is provided via telephone call, please follow up in writing for our files.

Sincerely,

STATE HISTORIC PRESERVATION OFFICE

Toni M. Prawl, PhD
Director and Deputy
State Historic Preservation Officer

TMP:hg

Ali Trunzo

From: Angela Hood
Sent: Tuesday, January 30, 2018 2:03 PM
To: Gibb, Heather
Cc: Ben Resnick; Ali Trunzo; Robin Weissert
Subject: Spire STL Pipeline Project (SHPO Log # 061-MLT-16) Unanticipated Discoveries Plan
Attachments: 2017-04-10 Unanticipated Discoveries Plan.pdf

Hi Heather,

We're tying up some loose ends for the Spire STL Pipeline Project (SHPO Log # 061-MLT-16), and I'm hoping you can provide your concurrence for the attached Unanticipated Discoveries Plan (UDP) for the project. GAI, on behalf of Spire, submitted this revised UDP to the Missouri SHPO on April 10, 2017 to address comments from your office (letter dated November 17, 2016), as well as comments from the Federal Energy Regulatory Commission.

Feel free to call or email me with any questions. Thanks!

Best Wishes,

Angie

Angela N. Hood, M.A., RPA
Project Archaeologist

GAI Consultants, 385 East Waterfront Drive, Homestead, PA 15120-5005
D 412.399.5043 **M** 412.228.9807

[Facebook](#) | [LinkedIn](#) | [Twitter](#) | [YouTube](#) | [News & Insights](#)



**ENGINEERING,
PLANNING, AND
ENVIRONMENTAL
CONSULTING SINCE 1958**

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.



January 10, 2018

Ms. Judith Deel
Missouri State Historic Preservation Office
1101 Riverside Drive
Jefferson City, Missouri 65101

**Re: Submittal of Technical Report - Addendum V
Phase I Archaeological Survey
SHPO Log #: 061-MLT-16
Spire STL Pipeline Project
St. Charles and St. Louis Counties, Missouri**

Dear Ms. Deel:

Spire STL Pipeline LLC ("Spire"), a wholly owned subsidiary of Spire Inc., is seeking authorization from the Federal Energy Regulatory Commission pursuant to Section 7(c) of the Natural Gas Act to construct and operate the proposed Spire STL Pipeline Project ("Project") located in Scott, Greene, and Jersey Counties, Illinois, and St. Charles and St. Louis Counties, Missouri. The total length of the Project pipelines will be approximately 65 miles, of which 19.53 miles are in Missouri.

GAI Consultants, Inc. ("GAI") conducted a supplemental Phase I archaeological investigation on December 18 and 19, 2017. The Area of Potential Effect ("APE") for the supplemental archaeological investigations was defined as the area of ground disturbance anticipated for construction activities. For the purposes of the supplemental Phase I archaeological survey, the APE consisted of land parcels located along a reroute of the proposed pipeline alignment from North County Extension Milepost ("MP") 1.8R3 to 2.0R3. The supplemental APE also includes an update regarding recent Project design changes from North County Extension MP 1.6 to 2.3R3. This portion of the proposed pipeline will be constructed by way of a conventional bore beneath the U.S. Route 67/State Route 367 interchange and BNSF Railroad, and an open cut across Coldwater Creek rather than via HDD, as was previously planned. The supplemental APE along North County Extension MP 1.6 to 2.3R3 consisted of a study corridor ranging in width from 91.44 meters (300 feet) to 190 meters (626 feet) centered on 1.12 kilometers (0.7 mile) of the proposed North County Extension portion of the Project in St. Louis County. The supplemental APE also includes two access roads: (1) a 30.48-meter- (100-foot-) wide study corridor centered on a 0.37-kilometer- (0.23-mile-) long access road that extends roughly north-south near MP 1.9R3, and (2) a 90-meter- (295-foot-) long access road located within the study corridor of the proposed pipeline alignment near MP 1.8R3.

The total APE for the Missouri portion of the proposed Project is 315.82 ha (780.41 ac). Of this, 12 ha (29.64 ac) was surveyed on December 18 and 19, 2017 during the Addendum V supplemental fieldwork. Approximately 272.39 ha (673.11 ac) was surveyed prior to December 2017 for the proposed Project and other prior cultural resource surveys. Approximately 31.42 ha (77.66 ac) of the Project area will be avoided by way of installation via HDD. Upon completion of supplemental fieldwork in December 2017, Phase I cultural resources survey has been completed in the Missouri portion of the Project APE, as currently designed.

Background research results indicate that no previously recorded cultural resources are mapped within the supplemental APE. No cultural resources were identified during the Addendum V supplemental Phase I survey of the Missouri portion of the proposed Project on December 18 and 19, 2017, and no further work is recommended for this portion of the Project.

GAI, on behalf of Spire, is requesting your review and concurrence of the attached addendum technical report presenting the archaeological results and recommendations for the Project. We look forward to continuing to work with you on this Project. Please contact Mr. Benjamin Resnick at 412.399.5105 or b.resnick@gaiconsultants.com, if there are questions regarding this report.

Sincerely,

GAI Consultants, Inc.



Benjamin Resnick, M.A., M.B.A., RPA

Cultural Resources Group Manager, Assistant Vice President, Energy/Natural Gas



Robin Weissert, CEP

Assistant Environmental Manager

BR:RW/gmg

Attachments: Attachment 1 (Technical Report - Addendum V, Phase I Archaeological Survey) and Attachment 2 (Section 106 Survey Memo)

Ali Trunzo

From: Burke, Amanda <Amanda.Burke@dnr.mo.gov>
Sent: Monday, January 08, 2018 9:55 AM
To: Angela Hood
Subject: RE: Spire STL letter

Great! Please let me know if I can help with anything else.

Amanda Burke, MFA
Historic Preservation Specialist
Missouri SHPO
PO Box 176
Jefferson City, MO 65102
Phone: 573.522.4641

-----Original Message-----

From: Angela Hood [mailto:a.hood@gaiconsultants.com]
Sent: Monday, January 8, 2018 8:54 AM
To: Burke, Amanda <Amanda.Burke@dnr.mo.gov>
Subject: RE: Spire STL letter

Hi Amanda,

I did receive the PDF attachment. Thanks so much for sending it.

Best Wishes,

Angie

Angela N. Hood, M.A., RPA
D 412.399.5043 M 412.228.9807

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

-----Original Message-----

From: Burke, Amanda [mailto:Amanda.Burke@dnr.mo.gov]
Sent: Monday, January 08, 2018 9:07 AM
To: Angela Hood <a.hood@gaiconsultants.com>
Subject: FW: Spire STL letter

We are having trouble getting this pdf to you. Please let me know if you receive the attachment.

Amanda Burke, MFA

Historic Preservation Specialist
Missouri SHPO
PO Box 176
Jefferson City, MO 65102
Phone: 573.522.4641

-----Original Message-----

From: Tellman, Chris
Sent: Monday, January 8, 2018 8:05 AM
To: Burke, Amanda <Amanda.Burke@dnr.mo.gov>
Subject: FW: Spire STL letter

-----Original Message-----

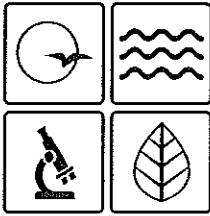
From: Mail Delivery Subsystem [mailto:MAILER-DAEMON@momail5.mo.gov]
Sent: Friday, January 05, 2018 8:23 PM
To: Tellman, Chris
Subject: Delivery delayed:Spire STL letter

Delivery is delayed to these recipients or groups:

a.hood@gainconsultants.com

Subject: Spire STL letter

This message hasn't been delivered yet. Delivery will continue to be attempted.



Missouri Department of

dnr.mo.gov

NATURAL RESOURCES

Eric R. Greitens, Governor

Carol S. Comer, Director

November 29, 2017

Ms. Tegan Baiocchi
GAI Consultants, Inc.
Pittsburgh Office
385 East Waterfront Drive
Homestead, PA 15120

Re: Spire STL Pipeline Project (FERC) St. Charles & St. Louis Counties, Missouri

Dear Ms. Baiocchi:

Thank you for submitting information on the above referenced project for our review pursuant to Section 106 of the National Historic Preservation Act (P.L. 89-665, as amended) and the Advisory Council on Historic Preservation's regulation 36 CFR Part 800, which requires identification and evaluation of cultural resources.

In a letter dated March 23, 2017 our office requested additional information regarding resources GAI-02, GAI-03, GAI-09, and GAI-33 as reported in the report entitled *Architectural and Historical Resources Reconnaissance Report for the Spire STL Pipeline Project in St. Charles and St. Louis Counties, Missouri*. Your office responded in a letter dated November 10, 2017 that demonstrated that GAI-03, GAI-09 and GAI-33 were no longer in the project area. In addition, the letter included additional information on the eligibility of GAI-02 Chicago Burlington and Quincy Railroad (CB&Q). Based on the information provided, we concur that the CB&Q may be eligible for inclusion in the National Register of Historic Places under Criterion A for Transportation. In addition, the proposed scope of work will have **no adverse effect to historic properties** by the project activities planned for this area.

Please be advised that, should project plans change, information documenting the revisions should be submitted to this office for further review. In the event that cultural materials are encountered during project activities, all construction should be halted, and this office notified as soon as possible in order to determine the appropriate course of action.

If you have any questions, please write Amanda Burke at State Historic Preservation Office, P.O. Box 176, Jefferson City, Missouri 65102 or call 573/522-4641. Please be sure to include the SHPO Log Number (061-MLT-16) on all future correspondence or inquiries relating to this project.

Sincerely,

STATE HISTORIC PRESERVATION OFFICE

Toni M. Prawl, Ph.D.
Director and Deputy State
Historic Preservation Officer

TMP:ab

c Ms. Kimberly D. Bose, FERC



Recycled paper

telephone log



gai consultants

Date: December 12, 2017

Project / Admin. No.: E160438.00

Call From: Angie Hood

Company: GAI Consultants

Phone No.: 412.399.5043

Call To: Amanda Burke, Historic Preservation Specialist Missouri SHPO

Company: Missouri SHPO

Phone No.: 573.522.4641

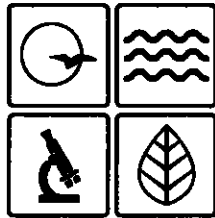
Subject: Response Letter to Architectural and Historic Resources Report

cc:

Summary of Discussion, Decisions, and Commitments:

2:45pm: I called Amanda Burke to follow up on her December 1, 2017 email stating that she reviewed and concurred with GAI's letter responding to architectural and historic resources report comments, and that a letter with the finding of No Adverse Effect to architectural/historical resources would be issued by the MO SHPO the week of 12/4/2017. GAI has not received this letter as of December 12, 2017. Since Amanda didn't answer, I left a voicemail asking when we can expect this letter, and to call me if there are any questions about the project.

3:23 pm: Amanda Burke returned my call and said that the architecture clearance letter was put in the mail today, December 12, 2017. She also reiterated that there was a finding of No Adverse Effect to architectural/historical resources for the project.



Missouri Department of dnr.mo.gov

NATURAL RESOURCES

Eric R. Greitens, Governor

Carol S. Comer, Director

CP17-40

December 8, 2017

ORIGINAL

Ms. Angela N. Hood
GAI Consultants, Inc.
Southpointe Office
6000 Towne Center Blvd, Suite 300
Canonsburg, PA 15317-5841

Re: Spire STL Pipeline Project (FERC) St. Charles & St. Louis Counties, Missouri

Dear Ms. Hood:

Thank you for submitting information on the above referenced project for our review pursuant to Section 106 of the National Historic Preservation Act (P.L. 89-665, as amended) and the Advisory Council on Historic Preservation's regulation 36 CFR Part 800, which requires identification and evaluation of cultural resources.

We have reviewed the November 2017 report entitled *Technical Report – Addendum IV, Phase I Archaeological Survey, Spire STL Pipeline Project, St. Charles and St. Louis Counties, County, Missouri*. Based on this review it is evident that a thorough and adequate cultural resources survey has been conducted of the project area. We concur that archaeological sites 23SC2234 and 23SC2237 are not eligible for inclusion in the National Register of Historic Places. There will be **no historic properties affected** by the project activities planned for this area.

Please be advised that, should project plans change, information documenting the revisions should be submitted to this office for further review. In the event that cultural materials are encountered during project activities, all construction should be halted, and this office notified as soon as possible in order to determine the appropriate course of action.

If you have any questions, please write Judith Deel at State Historic Preservation Office, P.O. Box 176, Jefferson City, Missouri 65102 or call 573/751-7862. Please be sure to include the SHPO Log Number (061-MLT-16) on all future correspondence or inquiries relating to this project.

Sincerely,

STATE HISTORIC PRESERVATION OFFICE

Toni M. Prawl, Ph.D.
Director and Deputy State
Historic Preservation Officer

TMP:jd

c Ms. Kimberly D. Bose, FERC

FILED
SECRETARY OF THE
COMMISSION
2017 DEC 18 P 4:13
FEDERAL ENERGY
REGULATORY COMMISSION





December 1, 2017

Ms. Judith Deel
Missouri State Historic Preservation Office
1101 Riverside Drive
Jefferson City, Missouri 65101

**Re: Submittal of Technical Report - Addendum IV
Phase I Archaeological Survey
SHPO Log #: 061-MLT-16
Spire STL Pipeline Project
St. Charles and St. Louis Counties, Missouri**

Dear Ms. Deel:

Spire STL Pipeline LLC ("Spire"), a wholly owned subsidiary of Spire Inc., is seeking authorization from the Federal Energy Regulatory Commission pursuant to Section 7(c) of the Natural Gas Act to construct and operate the proposed Spire STL Pipeline Project ("Project") located in Scott, Greene, and Jersey Counties, Illinois, and St. Charles and St. Louis Counties, Missouri. The total length of the Project pipelines will be approximately 65 miles, of which 19.53 miles are in Missouri.

GAI Consultants, Inc. ("GAI") conducted a supplemental Phase I archaeological investigation on November 3 and 7, 2017 to survey parcels where survey permission has been granted since the last Phase I field session concluded in July 2017. The Area of Potential Effect ("APE") for the supplemental archaeological investigations was defined as the area of ground disturbance anticipated for construction activities. For the purposes of the supplemental Phase I archaeological survey, the APE consisted of a 91.44-meter- (300-foot-) wide study corridor centered on 1.35 kilometers (0.84 mile) of the proposed 60-centimeter (24-inch) pipeline portion of the Project in St. Charles County and the footprint of a 0.7-hectare (1.73-acre) proposed HDD pullback area.

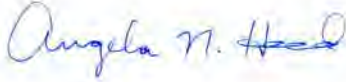
The total APE for the Missouri portion of the proposed Project is 303.82 hectares (750.76 acres). Of this, 10.76 hectares (26.6 acres) was surveyed on November 3 and 7, 2017 during supplemental fieldwork. Approximately 261.62 hectares (646.5 acres) was surveyed prior to November 2017 for the proposed Project and other prior cultural resource surveys. Approximately 31.42 hectares (77.66 acres) of the Project area in Missouri will be avoided by way of installation via HDD. Upon completion of supplemental fieldwork in November 2017, Phase I cultural resources survey has been completed in the Missouri portion of the Project APE, as currently designed.

Background research results indicate that no previously recorded cultural resources are mapped within the supplemental APE. Two archaeological sites (23SC2234 and 23SC2237) and one isolated find (FD#301) were identified during supplemental Phase I survey of the Missouri portion of the proposed Project on November 3 and 7, 2017. GAI recommends that all three resources are Not Eligible for listing in the National Register of Historic Places under Criterion D, and no further work is recommended.

GAI, on behalf of Spire, is requesting your review and concurrence of the attached addendum technical report presenting the archaeological results and recommendations for the Project. We look forward to continuing to work with you on this Project. Please contact Ms. Angela Hood at 412.399.5043 or a.hood@gaiconsultants.com, if there are questions regarding this report.

Sincerely,

GAI Consultants, Inc.

Handwritten signature of Angela N. Hood in blue ink.

Angela N. Hood, M.A., RPA
Project Archaeologist

Handwritten signature of Robin Weissert in black ink.

Robin Weissert, CEP
Assistant Environmental Manager

ANH:RW/gmg

Attachments: Attachment 1 (Technical Report - Addendum IV, Phase I Archaeological Survey) and Attachment 2 (Section 106 Survey Memo)

Ali Trunzo

From: Burke, Amanda <Amanda.Burke@dnr.mo.gov>
Sent: Friday, December 01, 2017 8:52 AM
To: Deel, Judith; Eric Scuoteguazza
Cc: Angela Hood; Robin Weissert; Ali Trunzo; Gibb, Heather
Subject: RE: Spire Pipeline project team change

Good morning Eric,

I reviewed your submittal on this week and concurred with the finding of No Adverse Effect. The letter should go out early next week. Please let me know if you have any questions or concerns.

Regards,

Amanda Burke, MFA

Historic Preservation Specialist
Missouri SHPO
PO Box 176
Jefferson City, MO 65102
Phone: 573.522.4641

From: Deel, Judith
Sent: Friday, December 1, 2017 7:02 AM
To: 'Eric Scuoteguazza' <e.scuoteguazza@gaiconsultants.com>
Cc: Angela Hood <a.hood@gaiconsultants.com>; Robin Weissert <R.Weissert@gaiconsultants.com>; Ali Trunzo <A.Trunzo@gaiconsultants.com>; Burke, Amanda <Amanda.Burke@dnr.mo.gov>; Gibb, Heather <Heather.Gibb@dnr.mo.gov>
Subject: RE: Spire Pipeline project team change

Hi, Eric,

Thank you for the notification of the change in the project team, and best of luck to you in your new endeavors. The SHPO review team will be Heather Gibb for archaeology, and Amanda Burke for architecture, I've copied both on this e-mail. Amanda should be able to provide you an update on the status of the architecture.

Thank you,

Judith Deel
Compliance Coordinator
State Historic Preservation Office
P.O. Box 176
Jefferson City, Missouri 65102
judith.deel@dnr.mo.gov
573/751-7862 (phone)

Promoting, Protecting and Enjoying our Natural Resources. Learn more at dnr.mo.gov.

From: Eric Scuoteguazza [<mailto:e.scuoteguazza@gaiconsultants.com>]
Sent: Thursday, November 30, 2017 2:05 PM

To: Deel, Judith

Cc: Angela Hood; Robin Weissert; Ali Trunzo

Subject: Spire Pipeline project team change

Hi Judith,

As a follow-up to my voicemail, Angie's contact info is below. I also wanted to check on the status of the architectural loose ends we cleared up in the letter from earlier this month.

Thank you again for everything.

Eric

Angie Hood

a.hood@gaiconsultants.com

(412) 399-5043

Ali Trunzo

From: Eric Scuoteguazza
Sent: Tuesday, November 14, 2017 3:48 PM
To: Deel, Judith
Cc: Robin Weissert; Ali Trunzo; Angela Hood; Tegan Baiocchi
Subject: Spire Pipeline - architectural history response
Attachments: E160438.00-MO Architecture Response to Comments.pdf

Good afternoon, Judith. I have attached a “courtesy copy” of a letter we put together in response to some architectural history comments you had for our previous Spire Pipeline submittals. I will also drop a paper copy in the mail now.

When it arrives, please review and provide your concurrence.

In short, you had asked for a bit more context on a particular resource (GAI-02), which is included in the letter. You also asked for some specific information on three other resources (GAI-03, GAI-09, and GAI-33), but these have fallen outside of the APE, due to route changes. That discussion is also included in the attached letter.

Basically, we are feeling the crunch of nearing the end of a big project, and we just need to tie up any loose ends.

That said, we will also be sending you an Addendum 4 archaeology report shortly after Thanksgiving.

As always, we appreciate your help. Have a great Holiday!

Eric

Eric P. Scuoteguazza, M.A., M.B.A., RPA
Senior Manager, Cultural Resources

GAI Consultants, Inc.
385 East Waterfront Drive, Homestead, PA 15120-5005

412.399.5188 | C 412.216.4640 |     

 transforming ideas into reality[®] since 1958 | gaiconsultants.com

CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.



Missouri Department of dnr.mo.gov

NATURAL RESOURCES

Eric R. Greitens, Governor

Carol S. Comer, Director

October 10, 2017

Mr. Eric P. Scuoteguazza
GAI Consultants, Inc.
Southpointe Office
6000 Towne Center Blvd, Suite 300
Canonsburg, PA 15317-5841

Re: Spire STL Pipeline Project (FERC) St. Charles & St. Louis Counties, Missouri

Dear Mr. Scuoteguazza:

Thank you for submitting information on the above referenced project for our review pursuant to Section 106 of the National Historic Preservation Act (P.L. 89-665, as amended) and the Advisory Council on Historic Preservation's regulation 36 CFR Part 800, which requires identification and evaluation of cultural resources.

We have reviewed the September 2017 report entitled *Technical Report – Addendum III, Phase I Archaeological Survey, Spire STL Pipeline Project, St. Charles and St. Louis Counties, County, Missouri*. Based on this review it is evident that a thorough and adequate cultural resources survey has been conducted of the project area. We concur that archaeological sites 23SL2406 and 23SL2407 are not eligible for inclusion in the National Register of Historic Places. There will be **no historic properties affected** by the project activities planned for this area.

Please be advised that, should project plans change, information documenting the revisions should be submitted to this office for further review. In the event that cultural materials are encountered during project activities, all construction should be halted, and this office notified as soon as possible in order to determine the appropriate course of action.

If you have any questions, please write Judith Deel at State Historic Preservation Office, P.O. Box 176, Jefferson City, Missouri 65102 or call 573/751-7862. Please be sure to include the SHPO Log Number **(061-MLT-16)** on all future correspondence or inquiries relating to this project.

Sincerely,

STATE HISTORIC PRESERVATION OFFICE

Toni M. Prawl, Ph.D.
Director and Deputy State
Historic Preservation Officer

TMP:jd

c Ms. Kimberly D. Bose, FERC

Promoting, Protecting and Enjoying our Natural Resources. Learn more at dnr.mo.gov



Ali Trunzo

From: Ali Trunzo
Sent: Monday, October 09, 2017 3:47 PM
To: Ali Trunzo
Subject: Project: E160438.00 - Spire - STL Pipeline Proj - File Transfer - Spire STL Pipeline - FERC October Supplemental Filing

Note: You have been CC'd on this notification.

IMPORTANT: Click a link below to access files associated with this transmittal that came in through the GAI Consultants, Inc. Info Exchange web site.

[View the transmittal in Newforma Project Center](#)

Additional links:

[Download all associated files](#)

[Sign in to the GAI Consultants, Inc. Info Exchange site](#)

[Configure cloud storage delivery](#)

[Reply to All](#)

Project Name: E160438.00 - Spire - STL Pipeline Proj
Project Number: E160438.00

From: Ali Trunzo (GAI Consultants, Inc.)
To: Laszewski.virginia@epa.gov; joe.phillippe@illinois.gov; judith.Deel@dnr.mo.gov; summerlin.joe@epa.gov; edward.c.rodriguezrobles@usace.army.mil; Teri.C.Allen@usace.army.mil; kristen_lundh@fws.gov; trisha_crabill@fws.gov; david.p.meyer@usace.army.mil; terry.savko@illinois.gov; darin.lecrone@illinois.gov; keith.shank@illinois.gov; rachel.leibowitz@illinois.gov; dan.heacock@illinois.gov; Jaclyn.C.Wittenborn@usace.army.mil; matt.vitello@mdc.mo.gov; Timothy.A.Kennedy@usace.army.mil
CC: Ali Trunzo (GAI Consultants, Inc.); lmferry@burnsmcd.com; Robin Weissert (GAI Consultants, Inc.)
Subject: Spire STL Pipeline - FERC October Supplemental Filing
Sent via: Info Exchange
Expiration Date: 10/30/2017
Remarks: Hi all,

Please use the links to download the PUBLIC information associated with Spire STL Pipeline's recent supplemental filing made to the FERC on October 6, 2017.

If you have any trouble with the files, please let me know.

Thank you,
Ali Trunzo

Alessandra M. Trunzo

D 412.399.5096 Email a.trunzo@gaiconsultants.com



ENGINEERING, PLANNING, AND ENVIRONMENTAL CONSULTING SINCE 1958

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

Transferred Files

NAME	TYPE	DATE	TIME	SIZE
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(1) PUBLIC.pdf</u>	PDF File	10/6/2017	10:23 AM	5,500 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(10) PUBLIC.pdf</u>	PDF File	10/6/2017	10:26 AM	33,997 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(2) PUBLIC.pdf</u>	PDF File	10/6/2017	11:03 AM	17,447 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(3) PUBLIC.pdf</u>	PDF File	10/6/2017	9:52 AM	42,059 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(4) PUBLIC.pdf</u>	PDF File	10/6/2017	9:52 AM	37,575 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(5) PUBLIC.pdf</u>	PDF File	10/6/2017	9:52 AM	28,859 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(6) PUBLIC.pdf</u>	PDF File	10/6/2017	9:52 AM	33,152 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(7) PUBLIC.pdf</u>	PDF File	10/6/2017	9:52 AM	30,554 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(8) PUBLIC.pdf</u>	PDF File	10/6/2017	9:52 AM	20,960 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(9) PUBLIC.pdf</u>	PDF File	10/6/2017	10:25 AM	23,380 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire</u>	PDF File	10/6/2017	10:20 AM	26,793 KB

<u>STL App 1- C Correspondence PUBLIC.pdf</u>				
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL Supplement PUBLIC.pdf</u>	PDF File	10/6/2017	12:35 PM	19,149 KB
<u>Transmittal - 00070.pdf</u>	PDF File	10/9/2017	3:45 PM	71 KB

Notification generated by [Newforma Info Exchange](#)



Southpointe Office
6000 Town Center Boulevard
Suite 300
Canonsburg, Pennsylvania 15317

T 724.873.3545
F 724.873.2199

September 12, 2017

Ms. Judith Deel
Missouri State Historic Preservation Office
1101 Riverside Drive
Jefferson City, Missouri 65101

**Re: Submittal of Revised Addendum I Technical Report – Phase I Archaeological Survey
SHPO Log #: 061-MLT-16
Spire STL Pipeline Project
St. Charles and St. Louis Counties, Missouri**

Dear Ms. Deel:

In response to a letter from the Missouri State Historic Preservation Office ("MO SHPO") dated May 23, 2017, GAI Consultants, Inc. ("GAI"), on behalf of Spire STL Pipeline LLC ("Spire"), a wholly owned subsidiary of Spire Inc., is submitting a revised Addendum I Phase I Archaeological Survey Technical Report for your review and concurrence. The draft version of this revised report was initially submitted to the MO SHPO on April 21, 2017. As requested, the attached revised report addresses the following comments:

- ▶ 23SC2213 – according to the maps in the report, the site extends well outside of the project area. We recommend that the site be considered unevaluated or possibly eligible. It should be clearly stated how the boundaries were revised – larger, smaller? A more thorough discussion of stratigraphy and extend of disturbance, if any, would also be appropriate (Chapter 4, pages 23-24).
- ▶ 23SL524 – according to the maps in the report, the site extends well outside of the project area. We recommend that the site be considered unevaluated or possibly eligible, rather than not eligible. A recommendation that the portion of the site within the project area does not have the potential to yield information may be justified (Chapter 4, pages 31-32).

GAI, on behalf of Spire, is requesting your review and concurrence of the attached revised technical report presenting the archaeological results and recommendations for the Project.

We look forward to continuing to work with you on this Project. Please contact Mr. Eric Scuoteguazza at 412.399.5188 or e.scuoteguazza@gaiconsultants.com, if there are questions regarding this report.

Sincerely,

GAI Consultants, Inc.

Eric P. Scuoteguazza, M.A., M.B.A., RPA
Senior Manager, Cultural Resources

Robin Weissert, CEP
Assistant Environmental Manager

EPS:RW/kea

Attachments: Attachment 1 (Revised Technical Report – Addendum I Phase I Archaeological Survey)



Missouri Department of Conservation

Ali Trunzo

From: Ferry, Lori M <lmferry@burnsmcd.com>
Sent: Wednesday, May 23, 2018 11:59 AM
To: Matt Vitello; gary.calvert@mdc.mo.gov
Cc: Ali Trunzo; Douglas Sipe
Subject: Spire STL Pipeline-SUP
Attachments: Spire HDD SUP for Upper Miss CA 2018.pdf

Matt/Gary,

Thank you for sending the special use permit for the crossing of the Upper Mississippi Conservation Area. Attached is the Spire signed copy of the permit.

Please note that construction has not yet commenced as we are still awaiting our FERC Certificate. We will keep you all informed on our proposed construction schedule as it becomes further defined.

If you need additional information, please don't hesitate to contact me.

Thank you,
Lori

Lori Ferry \ Burns & McDonnell
Department Manager \ Environmental Services
o 630-724-3337 \ m 630-605-5255
lmferry@burnsmcd.com \ burnsmcd.com
1431 Opus Place Suite 400 \ Downers Grove, IL 60515



MISSOURI DEPARTMENT OF CONSERVATION

Official Use only

SPECIAL USE PERMIT APPLICATION

*Application must be received 30 days prior to requested event.

A Section A to be completed by the applicant (Please print):

Name of Permittee Russel English Representing Spire STL Pipeline LLC
(Individual) (Organization)

Mailing Address 700 Market St., St. Louis, Missouri 63101
(Street or Box) (City) (State) (Zip Code)

E-mail Address Russel.English@SpireEnergy.com

Daytime Phone Number 314-956-5221 Evening Phone Number 314-956-5221

Alternative Contact name and Phone Number

Department Area Requested Upper Mississippi Conservation Area.

Portion of Area and/or Facility Requested 50 ft permanent easement centered on proposed Spire STL pipeline

Date(s) of Proposed Activity 4/1/2018 - 1/1/2019 Time of Proposed Activity 24 hours

Number of People 15-20 Number of Vehicles, Boats, Trailers, Horses, Dogs, etc (Specify for each) Foot traffic only

Proposed Activity Monitoring Mississippi River horizontal directional drill (HDD) for the Spire STL pipeline

Return completed application to Area Manager or local conservation office.

*The thirty (30) days advance application requirement may be waived by the Area Manager based on resource conditions and availability.

Statewide Public Use Guidelines

The following guidelines are used by Area Managers to determine if a requested use if appropriate for a specific conservation area:

- 1. Will the activity interfere with or in any way compromise management of the Conservation Areas' fish, forest, wildlife, and natural communities?
2. Will the activity conflict with local ordinances, state constitution, Department regulations, or Federal Aide requirements?
3. Will the activity cause an unacceptable level of damage to resources or facilities?
4. Is the long-term impact of the proposed activity—and the commitment in budget and staffing—fully evaluated and understood?
5. Will the activity conflict with scheduled or seasonal primary public uses?
6. Will the activity require undue accommodation from Department staff, including reservations, special setup, cleanup, or maintenance?
7. Will the activity impede foot, boat, or vehicular traffic flow or restrict access to area locales normally open to the general public?
8. Will the activity pose a threat to public health, safety, and welfare?

A Section B to be completed by the Area Manager

Deposit is required for use of area and/or facilities. Total _____
Deposit Received by _____ Date _____

Permittee required to supply and remove portable restrooms.

Twenty dollar fee Check _____ Cash _____ Money Order _____

The Permittee is authorized to:

Leave horse trailers and other equipment on the premises overnight from _____
until _____ at (location) _____

Use the following Department facilities (include dates and times):

1. _____
2. _____
3. _____

Use one dog wagon on specified access roads not otherwise open for public use.

Release health certified and banded, pen-reared game birds.

Permit Approved, with attached terms, maps and conditions. Approval is not complete until the applicant's signs the permit and returns it, along with any fee or deposit if necessary, to the Area Manager.

Permit Denied. Applicant may appeal the denial by following the attached Reconsideration Process. Reason(s) for Denial (which guidelines would be violated):

PERMIT PROCESS

1. The citizen requesting special use of a conservation area obtains a Special Use Permit Application from the Area Manager or local conservation office, completes Section A, and returns it to the Area Manager or local conservation office.
2. The Area Manager completes Section B of the Special Use Permit Application and returns the completed application, and appropriate attachment, to the citizen.
 - a. If the permit request is approved, the Area Manager also sends the applicant two copies of the permit conditions. The applicant is instructed to sign both copies, keeping one for themselves and returning the other, plus any fee or deposit if required, to the Area Manager.
 - b. If the permit request is denied, the Area Manager also sends the applicant a Special Use Permit Reconsideration Form.



MISSOURI DEPARTMENT OF CONSERVATION
SPECIAL USE PERMIT CONDITIONS

Permittee Name: Russel English

Conservation Area: Upper Mississippi Conservation Area

Date of Activity: 4/1/2018 – 1/1/2019

**ALL SPECIAL USE PERMITS ARE SUBJECT TO STATEWIDE
CONDITIONS 1 -10. ADDITIONAL CONDITIONS ARE AREA-SPECIFIC**

The Conservation Area selected as the site for your Special Event is shared by many different groups. **A Special Use Permit is not an exclusive reservation. Other concurrent uses may be occurring on the area.** Mutual respect is crucial. Please be considerate. Before leaving the Area please examine the site to assure that: (1) human and animal sanitation issues have been properly addressed, and (2) all trash and litter have been removed. Since the Conservation Area belongs to all citizens, please return the site to pre-event condition prior to leaving.

1. Special Use Permits are required for more than ten (10) people for camping, horseback riding, bicycling, and use of shooting ranges. Other group or special activities may require a Special Use Permit at the discretion of the area manager.
2. This permit is non-transferable.
3. Permittee is responsible for sharing the terms of this Special Use Permit with all participants of the permitted activity, and accepts responsibility for monitoring compliance with this permit.
4. Violation of any of the permit conditions is cause for denial of future permits.
5. If weather or other conditions and circumstances warrant, the Department reserves the right to modify or cancel the permit.
6. After contacting emergency services, promptly notify the area manager or the designated representative of any serious accident, death, or damage that occurs on Department property.
7. The Department's property may be used only for the purposes designated in this permit. Care shall be taken to avoid damage to the conservation area. No one participating in or observing an activity may cut any vegetation, open any gates, cut or damage any cables or fences, start any fire in a non-designated area, post any signs, or construct any structure without the written permission of the Area Manager. The permittee shall be held personally responsible for any costs the Department incurs repairing or replacing infrastructure and grass, food plots, or other vegetation.
8. Permittee may be required to provide portable toilets or other means for disposal of human waste approved by the area manager.
9. Vehicle use is restricted to graveled and paved roads and established parking areas, unless otherwise posted. Emergency vehicles or other specific vehicles may be authorized special access by a Department representative.
10. Permittee agrees that the Department of Conservation, its employees and agents shall not be held liable for any claim whatsoever for damage to equipment, property or injury to persons which arise out of or in connection with any activity conducted or undertaken pursuant to this Permit.

Missouri Department of Conservation
SPECIAL USE PERMIT CONDITIONS

Permittee Name: Russel English

Conservation Area: Upper Mississippi Conservation Area

Date of Activity: 4/1/2018 – 1/1/2019

Page 2 of 2 pages

Danny Calvert

(Signature of Department Authority)

2/15/2018

(Date)

Note: Approval is not final until Permittee signs and returns one copy (and fee or deposit, if applicable) to the Area Manager.

[Handwritten Signature]

(Signature)

(the Permittee) accept and agree to the

conditions of this Special Use Permit as specified above on this date

5/22/2018



NO CLEARING OR EQUIPMENT
- FOOT TRAFFIC ONLY

REFERENCE:
ESRI WORLD IMAGERY AND
TRANSPORTATION, NAIP,
USDA FSA, 2015,
ACCESSED 01/2018.



LEGEND

- Milepost
- 24-Inch Pipeline
- - - Access Road
- Permanent ROW
- Temporary Workspace
- Upper Mississippi River Conservation Area



PROJECT LOCATION MAP



DRAWN BY: SWW
CHECKED: MDO
DATE: 1/31/2018
APPROVED: AMT

Ali Trunzo

From: Matt Vitello <Matt.Vitello@mdc.mo.gov>
Sent: Thursday, May 03, 2018 8:56 AM
To: Ferry, Lori M
Cc: Ali Trunzo
Subject: RE: Spire STL Pipeline-Special Use Permit
Attachments: Spire HDD SUP for Upper Miss CA 2018.pdf

Hi Lori,

I've attached the Special Use Permit. The area manager, Gary Calvert, had sent this to Russel English back in February.

Let me know if you need anything else.

Matt

From: Ferry, Lori M [mailto:lmferry@burnsmcd.com]
Sent: Wednesday, May 02, 2018 11:11 PM
To: Matt Vitello <Matt.Vitello@mdc.mo.gov>
Cc: Ali Trunzo <A.Trunzo@gaiconsultants.com>
Subject: RE: Spire STL Pipeline-Special Use Permit

Hi Matt

I never heard back from you on the submittal for the Special Use Permit for the UMCA. Did you all have a signed permit or email authorization you can send to me?

Thank you,
Lori

From: Ferry, Lori M
Sent: Wednesday, January 31, 2018 10:29 AM
To: 'matt.vitello@mdc.mo.gov' <matt.vitello@mdc.mo.gov>
Cc: 'Ali Trunzo' <A.Trunzo@gaiconsultants.com>
Subject: Spire STL Pipeline-Special Use Permit

Hi Matt,

As we discussed last week, I've attached the requested form and a map showing our construction right-of-way and the Upper Mississippi Conservation Area.

Please note that we are in process of obtaining an easement for our 50-foot permanent right-of-way across the conservation area from the USACE-St. Louis District.

Also, please let me know if you need any further information.

Thank you!
Lori

Lori Ferry \ Burns & McDonnell
Department Manager \ Environmental Services

o 630-724-3337 \ m 630-605-5255
lmferry@burnsmcd.com \ burnsmcd.com
1431 Opus Place Suite 400 \ Downers Grove, IL 60515



Official Use only

MISSOURI DEPARTMENT OF CONSERVATION

SPECIAL USE PERMIT APPLICATION

*Application must be received 30 days prior to requested event.

Section A to be completed by the applicant (Please print):

Name of Permittee Russel English Representing Spire STL Pipeline LLC
Mailing Address 700 Market St., St. Louis, Missouri 63101
E-mail Address Russel.English@SpireEnergy.com
Daytime Phone Number 314-956-5221 Evening Phone Number 314-956-5221
Department Area Requested Upper Mississippi Conservation Area
Portion of Area and/or Facility Requested 50 ft permanent easement centered on proposed Spire STL pipeline
Date(s) of Proposed Activity 4/1/2018 - 1/1/2019 Time of Proposed Activity 24 hours
Number of People 15-20 Number of Vehicles, Boats, Trailers, Horses, Dogs, etc (Specify for each) Foot traffic only

Proposed Activity Monitoring Mississippi River horizontal directional drill (HDD) for the Spire STL pipeline

Return completed application to Area Manager or local conservation office.

*The thirty (30) days advance application requirement may be waived by the Area Manager based on resource conditions and availability.

Statewide Public Use Guidelines

The following guidelines are used by Area Managers to determine if a requested use is appropriate for a specific conservation area:

- 1. Will the activity interfere with or in any way compromise management of the Conservation Areas' fish, forest, wildlife, and natural communities?
2. Will the activity conflict with local ordinances, state constitution, Department regulations, or Federal Aide requirements?
3. Will the activity cause an unacceptable level of damage to resources or facilities?
4. Is the long-term impact of the proposed activity—and the commitment in budget and staffing—fully evaluated and understood?
5. Will the activity conflict with scheduled or seasonal primary public uses?
6. Will the activity require undue accommodation from Department staff, including reservations, special setup, cleanup, or maintenance?
7. Will the activity impede foot, boat, or vehicular traffic flow or restrict access to area locales normally open to the general public?
8. Will the activity pose a threat to public health, safety, and welfare?

A Section B to be completed by the Area Manager

Deposit is required for use of area and/or facilities. Total _____
 Deposit Received by _____ Date _____

Permittee required to supply and remove portable restrooms.

Twenty dollar fee Check _____ Cash _____ Money Order _____

The Permittee is authorized to:

Leave horse trailers and other equipment on the premises overnight from _____ until _____ at (location) _____

Use the following Department facilities (include dates and times):

1. _____
2. _____
3. _____

Use one dog wagon on specified access roads not otherwise open for public use.

Release health certified and banded, pen-reared game birds.

Permit Approved, with attached terms, maps and conditions. Approval is not complete until the applicant's signs the permit and returns it, along with any fee or deposit if necessary, to the Area Manager.

Permit Denied. Applicant may appeal the denial by following the attached Reconsideration Process. Reason(s) for Denial (which guidelines would be violated):

PERMIT PROCESS

1. The citizen requesting special use of a conservation area obtains a Special Use Permit Application from the Area Manager or local conservation office, completes Section A, and returns it to the Area Manager or local conservation office.
2. The Area Manager completes Section B of the Special Use Permit Application and returns the completed application, and appropriate attachment, to the citizen.
 - a. If the permit request is approved, the Area Manager also sends the applicant two copies of the permit conditions. The applicant is instructed to sign both copies, keeping one for themselves and returning the other, plus any fee or deposit if required, to the Area Manager.
 - b. If the permit request is denied, the Area Manager also sends the applicant a Special Use Permit Reconsideration Form.



MISSOURI DEPARTMENT OF CONSERVATION
SPECIAL USE PERMIT CONDITIONS

Permittee Name: Russel English

Conservation Area: Upper Mississippi Conservation Area

Date of Activity: 4/1/2018 – 1/1/2019

**ALL SPECIAL USE PERMITS ARE SUBJECT TO STATEWIDE
CONDITIONS 1 -10. ADDITIONAL CONDITIONS ARE AREA-SPECIFIC**

The Conservation Area selected as the site for your Special Event is shared by many different groups. **A Special Use Permit is not an exclusive reservation. Other concurrent uses may be occurring on the area.** Mutual respect is crucial. Please be considerate. Before leaving the Area please examine the site to assure that: (1) human and animal sanitation issues have been properly addressed, and (2) all trash and litter have been removed. Since the Conservation Area belongs to all citizens, please return the site to pre-event condition prior to leaving.

1. Special Use Permits are required for more than ten (10) people for camping, horseback riding, bicycling, and use of shooting ranges. Other group or special activities may require a Special Use Permit at the discretion of the area manager.
2. This permit is non-transferable.
3. Permittee is responsible for sharing the terms of this Special Use Permit with all participants of the permitted activity, and accepts responsibility for monitoring compliance with this permit.
4. Violation of any of the permit conditions is cause for denial of future permits.
5. If weather or other conditions and circumstances warrant, the Department reserves the right to modify or cancel the permit.
6. After contacting emergency services, promptly notify the area manager or the designated representative of any serious accident, death, or damage that occurs on Department property.
7. The Department's property may be used only for the purposes designated in this permit. Care shall be taken to avoid damage to the conservation area. No one participating in or observing an activity may cut any vegetation, open any gates, cut or damage any cables or fences, start any fire in a non-designated area, post any signs, or construct any structure without the written permission of the Area Manager. The permittee shall be held personally responsible for any costs the Department incurs repairing or replacing infrastructure and grass, food plots, or other vegetation.
8. Permittee may be required to provide portable toilets or other means for disposal of human waste approved by the area manager.
9. Vehicle use is restricted to graveled and paved roads and established parking areas, unless otherwise posted. Emergency vehicles or other specific vehicles may be authorized special access by a Department representative.
10. Permittee agrees that the Department of Conservation, its employees and agents shall not be held liable for any claim whatsoever for damage to equipment, property or injury to persons which arise out of or in connection with any activity conducted or undertaken pursuant to this Permit.

Missouri Department of Conservation
SPECIAL USE PERMIT CONDITIONS

Permittee Name: Russel English

Conservation Area: Upper Mississippi Conservation Area

Date of Activity: 4/1/2018 – 1/1/2019

Page 2 of 2 pages

Sam J Calvert

(Signature of Department Authority)

2/15/2018

(Date)

Note: Approval is not final until Permittee signs and returns one copy (and fee or deposit, if applicable) to the Area Manager.

X I, _____ (the Permittee) accept and agree to the
(Signature)
conditions of this Special Use Permit as specified above on this date _____.



REFERENCE:
 ESRI WORLD IMAGERY AND
 TRANSPORTATION, NAIP,
 USDA FSA, 2015,
 ACCESSED 01/2018.



LEGEND

- Milepost
- 24-Inch Pipeline
- Access Road
- Permanent ROW
- Temporary Workspace
- Upper Mississippi River Conservation Area

0 500 1,000 2,000 Feet

PROJECT LOCATION MAP

DRAWN BY: SWW DATE: 1/31/2018
 CHECKED: MDO APPROVED: AMT

Ali Trunzo

From: Ferry, Lori M <lmferry@burnsmcd.com>
Sent: Tuesday, February 06, 2018 9:30 PM
To: matt.vitello@mdc.mo.gov
Cc: Ali Trunzo
Subject: Spire STL Pipeline Project-USFWS Consultation
Attachments: 2017-10-26_USFWS_Clearance Letter.pdf; 2018-02-02_USFWS_Final BO.pdf

Hi Matt,
Hope you are having a great week!

I have attached for your records the USFWS's Biological Opinion (issued February 2, 2018) for the construction and operation of the Spire STL Pipeline Project (Project), which addresses effects on Indiana bat.

Also attached is the USFWS's October 26, 2017 clearance letter concluding that:

- the Project will have no effect on decurrent false aster;
- the Project is not likely to adversely affect the gray bat, least tern, piping plover, red knot, and pallid sturgeon; and
- the Project is consistent with the programmatic biological opinion for northern long-eared bat, which does not prohibit incidental take of the species that may occur as a result of this Project.

We had previously agreed early on in the Project that this information would be forwarded to the MDOC upon receipt as ongoing project communication.

Please let us know if you have any further questions or concerns,

Thanks,
Lori Ferry

Lori Ferry \ Burns & McDonnell
Department Manager \ Environmental Services
o 630-724-3337 \ m 630-605-5255
lmferry@burnsmcd.com \ burnsmcd.com
1431 Opus Place Suite 400 \ Downers Grove, IL 60515

Ali Trunzo

From: Ferry, Lori M <lmferry@burnsmcd.com>
Sent: Wednesday, January 31, 2018 11:30 AM
To: matt.vitello@mdc.mo.gov
Cc: Ali Trunzo
Subject: Spire STL Pipeline-Special Use Permit
Attachments: 2018-01-30_MDOC Special Use Permit Application.pdf; 2018-01-31_MDOC Special Use Permit Application_Map Attachment.pdf

Hi Matt,

As we discussed last week, I've attached the requested form and a map showing our construction right-of-way and the Upper Mississippi Conservation Area.

Please note that we are in process of obtaining an easement for our 50-foot permanent right-of-way across the conservation area from the USACE-St. Louis District.

Also, please let me know if you need any further information.

Thank you!

Lori

Lori Ferry \ Burns & McDonnell
Department Manager \ Environmental Services
o 630-724-3337 \ m 630-605-5255
lmferry@burnsmcd.com \ burnsmcd.com
1431 Opus Place Suite 400 \ Downers Grove, IL 60515

Ali Trunzo

From: Ali Trunzo
Sent: Monday, October 09, 2017 3:47 PM
To: Ali Trunzo
Subject: Project: E160438.00 - Spire - STL Pipeline Proj - File Transfer - Spire STL Pipeline - FERC October Supplemental Filing

Note: You have been CC'd on this notification.

IMPORTANT: Click a link below to access files associated with this transmittal that came in through the GAI Consultants, Inc. Info Exchange web site.

[View the transmittal in Newforma Project Center](#)

Additional links:

[Download all associated files](#)

[Sign in to the GAI Consultants, Inc. Info Exchange site](#)

[Configure cloud storage delivery](#)

[Reply to All](#)

Project Name: E160438.00 - Spire - STL Pipeline Proj
Project Number: E160438.00

From: Ali Trunzo (GAI Consultants, Inc.)
To: Laszewski.virginia@epa.gov; joe.phillippe@illinois.gov; judith.Deel@dnr.mo.gov; summerlin.joe@epa.gov; edward.c.rodriguezrobles@usace.army.mil; Teri.C.Allen@usace.army.mil; kristen_lundh@fws.gov; trisha_crabill@fws.gov; david.p.meyer@usace.army.mil; terry.savko@illinois.gov; darin.lecrone@illinois.gov; keith.shank@illinois.gov; rachel.leibowitz@illinois.gov; dan.heacock@illinois.gov; Jaclyn.C.Wittenborn@usace.army.mil; matt.vitello@mdc.mo.gov; Timothy.A.Kennedy@usace.army.mil
CC: Ali Trunzo (GAI Consultants, Inc.); lmferry@burnsmcd.com; Robin Weissert (GAI Consultants, Inc.)
Subject: Spire STL Pipeline - FERC October Supplemental Filing
Sent via: Info Exchange
Expiration Date: 10/30/2017
Remarks: Hi all,

Please use the links to download the PUBLIC information associated with Spire STL Pipeline's recent supplemental filing made to the FERC on October 6, 2017.

If you have any trouble with the files, please let me know.

Thank you,
Ali Trunzo

Alessandra M. Trunzo

D 412.399.5096 Email a.trunzo@gaiconsultants.com



ENGINEERING, PLANNING, AND ENVIRONMENTAL CONSULTING SINCE 1958

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

Transferred Files

NAME	TYPE	DATE	TIME	SIZE
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(1) PUBLIC.pdf</u>	PDF File	10/6/2017	10:23 AM	5,500 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(10) PUBLIC.pdf</u>	PDF File	10/6/2017	10:26 AM	33,997 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(2) PUBLIC.pdf</u>	PDF File	10/6/2017	11:03 AM	17,447 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(3) PUBLIC.pdf</u>	PDF File	10/6/2017	9:52 AM	42,059 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(4) PUBLIC.pdf</u>	PDF File	10/6/2017	9:52 AM	37,575 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(5) PUBLIC.pdf</u>	PDF File	10/6/2017	9:52 AM	28,859 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(6) PUBLIC.pdf</u>	PDF File	10/6/2017	9:52 AM	33,152 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(7) PUBLIC.pdf</u>	PDF File	10/6/2017	9:52 AM	30,554 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(8) PUBLIC.pdf</u>	PDF File	10/6/2017	9:52 AM	20,960 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL App 1- B Alignments(9) PUBLIC.pdf</u>	PDF File	10/6/2017	10:25 AM	23,380 KB
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire</u>	PDF File	10/6/2017	10:20 AM	26,793 KB

<u>STL App 1- C Correspondence PUBLIC.pdf</u>				
<u>2017-10-09 FERC Supplement for Agencies\10-06-17 Spire STL Supplement PUBLIC.pdf</u>	PDF File	10/6/2017	12:35 PM	19,149 KB
<u>Transmittal - 00070.pdf</u>	PDF File	10/9/2017	3:45 PM	71 KB

Notification generated by [Newforma Info Exchange](#)



Jersey County, Illinois

Ali Trunzo

From: Shane Fisher
Sent: Friday, July 27, 2018 12:24 PM
To: codeadmin1@jerseycounty-il.us
Cc: Ali Trunzo; Robin Weissert; Ferry, Lori M
Subject: RE: Spire STL Pipeline - Jersey County Floodplain Permit Update
Attachments: Pages from 017_Spire_STLP_HDD_Issue_For_Construction_20180530.pdf

Ms. Cregmiles,

We're working on obtaining the compaction rates and fill type. I wanted to forward you a drawing, which shows the walls in plan view so that you have that in-hand while we track down the other information for you. Hope you have a great weekend!

Thank You,

Shane

Shane A. Fisher, P.E. (WV, VA, NC, MD)
D 304.933.5203 M 304.627.9233



GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

From: Robin Weissert
Sent: Friday, July 20, 2018 10:37 AM
To: codeadmin1@jerseycounty-il.us
Cc: Shane Fisher <S.Fisher@gaiconsultants.com>; Ali Trunzo <A.Trunzo@gaiconsultants.com>
Subject: FW: Spire STL Pipeline - Jersey County Floodplain Permit Update

Hi Cindy,

Shane is temporarily out of the office and once he's back next week, we will give you a more formal response to your request below.

In the meantime, I can give you a bit of an explanation regarding the USACE's approval. We have submitted all updated application materials, including the crossings of Otter Creek and the Mississippi River, to the USACE for their review. However, the USACE's approval is tied to the Project receiving its Certificate from the Federal Energy Regulatory Commission (FERC). Through discussions with the USACE, we don't anticipate any issues with the USACE issuing their approval once the Certificate is received.

I hope that helps!
Thanks!
Robin

Robin Weissert, CEP
Environmental Manager

GAI Consultants, Inc.
6000 Town Center Blvd., Suite 300, Canonsburg, PA 15317
T 412-399-5204 r.weissert@gaiconsultants.com

----- Original message -----

From: Jersey County Code Administrator <codeadmin1@jerseycounty-il.us>

Date: 7/20/18 9:04 AM (GMT-06:00)

To: Shane Fisher <S.Fisher@gaiconsultants.com>

Cc: Derek Russell <codeadmin@jerseycounty-il.us>, 'Tom Klasner' <tklasner@jerseycounty-il.us>

Subject: RE: Spire STL Pipeline - Jersey County Floodplain Permit Update

Shane,

As I am understanding this, the June 22, 2018 is an update to the original request of a proposed change to the submitted plans for permitting. The change reflects on the Mississippi portion of the pipeline specifically accessibility to a new location. Due to this change the workspace will see the most construction difference with constructing retaining walls of 9' to 15' of fill, however the Nov. 14, 2017 permit application does not reflect the retaining walls. In looking at the new plans sent to me, I do not see where the walls will be constructed.

Could you be more specific in the construction of the walls as to where along the hillside this will be taking place, what type of fill is being used, compaction rates etc. Also, in reviewing the file, I do not see where the Corps has given permit approval for the Otter Creek crossing or the Mississippi crossing. Has this been resolved?

Thank you for keeping us up to date, have a nice weekend!

Cindy

From: Shane Fisher [<mailto:S.Fisher@gaiconsultants.com>]

Sent: Wednesday, July 18, 2018 2:52 PM

To: Jersey County Code Administrator

Cc: Derek Russell

Subject: RE: Spire STL Pipeline - Jersey County Floodplain Permit Update

As I told you on the phone, Cindy, Matt Tanner has left GAI and I will be taking over for him going forward. I thought this would be the best way for you to have my contact information and I look forward to hearing from you. You can either respond to Matt's email or forward it to me, your call. Thank you in advance and have a great day!

Thank You,

Shane

Shane A. Fisher, P.E. (WV, VA, NC, MD)

D 304.933.5203 **M** 304.627.9233



GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

From: Matt Tanner

Sent: Friday, June 22, 2018 2:25 PM

To: 'Jersey County Code Administrator' <codeadmin1@jerseycounty-il.us>

Cc: 'Derek Russell' <codeadmin@jerseycounty-il.us>; Ali Trunzo <A.Trunzo@gaiconsultants.com>; Bryce Good <B.Good@gaiconsultants.com>; Robin Weissert <R.Weissert@gaiconsultants.com>; Ferry, Lori M <lmferry@burnsmcd.com>

Subject: Spire STL Pipeline - Jersey County Floodplain Permit Update

Ms. Cregmiles,

Please see the attached information regarding a revision to the information previously submitted for the Spire STL Pipeline Project's Jersey County Floodplain Development Permit. Per my conversation with Derek Russell yesterday, we're providing this information electronically. If upon review you wish to receive a hard copy, please let us know.

Thank you

Matthew T. Tanner, P.E.

Senior Project Engineer

GAI Consultants, 300 Summers Street, Suite 1100, Charleston, WV 25301

T 304.926.8100 **D** 681.245.8854 **M** 304.963.3184

[Facebook](#) | [LinkedIn](#) | [Twitter](#) | [YouTube](#) | [News & Insights](#)



**ENGINEERING,
PLANNING, AND
ENVIRONMENTAL
CONSULTING SINCE 1958**

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

Ali Trunzo

From: Matt Tanner
Sent: Friday, June 22, 2018 2:28 PM
To: Jersey County Code Administrator
Cc: Derek Russell; Ali Trunzo; Bryce Good; Robin Weissert; Ferry, Lori M
Subject: Spire STL Pipeline - Jersey County Floodplain Permit Update
Attachments: E16043800-JC-FP-Update Submittal Final.pdf

Ms. Cregmiles,

Please see the attached information regarding a revision to the information previously submitted for the Spire STL Pipeline Project's Jersey County Floodplain Development Permit. Per my conversation with Derek Russell yesterday, we're providing this information electronically. If upon review you wish to receive a hard copy, please let us know.

Thank you

Matthew T. Tanner, P.E.
Senior Project Engineer

GAI Consultants, 300 Summers Street, Suite 1100, Charleston, WV 25301
T 304.926.8100 **D** 681.245.8854 **M** 304.963.3184

[Facebook](#) | [LinkedIn](#) | [Twitter](#) | [YouTube](#) | [News & Insights](#)



**ENGINEERING,
PLANNING, AND
ENVIRONMENTAL
CONSULTING SINCE 1958**

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.



Charleston Office
300 Summers Street
Suite 1100
Charleston, West Virginia 25301

T 304.926.8100
F 304.926.8180

June 22, 2018

Project E160438.00, Task 006.001

Ms. Cindy Cregmiles
Jersey County Code Administration
200 N. Lafayette, Suite 6
Jerseyville, Illinois 62052

**Jersey County Floodplain Development Permit Application Update
Spire STL Pipeline LLC
Spire STL Pipeline
Scott, Greene, and Jersey Counties, Illinois
and St. Charles and St. Louis Counties, Missouri**

Dear Ms. Cregmiles:

GAI Consultants, Inc. (GAI), on behalf of Spire STL Pipeline, LLC (Spire), is submitting the enclosed update to the information for the Jersey County (County) Floodplain Commercial Development Permit application for the Spire STL Pipeline Project (Project) submitted on November 14, 2017 and approved on December 28, 2017. Within Jersey County, the Project is proposed to enter into the Federal Emergency Management Agency (FEMA) 100-year (1% annual chance) flood zones at two locations. One of these, the previously permitted crossing of Otter Creek, remains unchanged. This update is intended to notify the County of a shift in the proposed alignment and workspace at the other location on the north side of the previously permitted Mississippi River horizontal directional drill (HDD) crossing as described below.

Mississippi River HDD Crossing

The proposed HDD pipeline crossing of the Mississippi River and associated workspace (Lat. 38.957880°, Long. -90.373638°) are located adjacent to Great River Road approximately 0.6 miles west of the intersection of Great River Road and Lasalle Street in Elsah, Illinois (see Sheet STLP-FLDP-JSY-002 in Attachment 1). The proposed HDD workspace is to be accessed directly from Great River Road using an existing entrance location. As mentioned above, the proposed pipeline alignment and associated workspace have been revised from that which was submitted previously. This revision was required to avoid impacts to environmentally sensitive resources. The revisions include a shift in the pipeline alignment of approximately 100 ft to the west. The shift will require that an elevated temporary workspace be graded into the adjacent hillslopes for staging and operation of equipment used in construction of the HDD crossing.

The proposed HDD pipeline crossing and a portion of the associated workspace are located within FEMA Flood Zone – AE (FIRM Panel 17083C0275D and 17083C0278D; see Attachment 2). A regulatory floodway is identified on the FIRM Panel adjacent to this location on the Mississippi River. The Zone AE designation indicates that a location is within the area subject to a one percent annual chance flood event (100-year flood or Base Flood) and that the Base Flood Elevations have been determined. The base flood elevation at the HDD workspace has been interpolated to be 438.1 ft NAVD88. This elevation is based on interpolation of the 1-percent annual chance flood water surface elevation (WSE) values at adjacent cross-section locations 214.48 (WSE = 438.0 ft NAVD88) and 215.09 (WSE = 438.1 ft NAVD88) in Table 9-Floodway Data Mississippi River, Jersey County, Illinois and Incorporated Areas, FEMA Flood Insurance Study No. 17083CV000A, dated April 2, 2009. A copy of Table 9-Floodway Data Mississippi River is enclosed in Attachment 2.

The 0.2% annual chance flood elevation at the HDD workspace has been approximated to be 442.0 ft NAVD88 based on the 0.2% annual chance flood profile between cross-section locations 214.48 and 215.09 on Figure 05P-Flood Profiles Mississippi River, Jersey County, Illinois and Incorporated Areas, FEMA Flood Insurance Study No. 17083CV000A, dated April 2, 2009 enclosed in Attachment 2.

Approximately 170 LF of the proposed pipeline and 0.41 acres of proposed temporary workspace are now located within the Zone AE Floodway Fringe at this location. This reduces the proposed length of pipeline located within the Zone AE Floodway Fringe by approximately 210 LF from the 380 LF previously permitted. The currently proposed temporary workspace located within the Zone AE Floodway Fringe is a reduction of approximately 0.52 acres from the previously permitted 0.93 acres. The only portion of the Project located within the Mississippi River regulatory floodway is the HDD pipeline crossing. Approximately 1,410 LF of pipeline is proposed to be installed within the Illinois portion of the regulatory floodway using the HDD method. No aboveground construction activities are proposed within the regulatory floodway.

Construction activities that will take place within the floodplain (floodway fringe) at this location include the HDD construction of the pipeline crossing, as well as, the construction of workspaces for Project location access and temporary storage. The workspace construction is anticipated to include installation of temporary retaining walls and placement of temporary fill material within the floodway fringe. The retaining wall located within the floodway fringe is anticipated to be constructed in two levels with an approximately 10 foot wide bench between the two levels. The lower retaining wall has a proposed maximum height of 15 feet and the upper wall has a proposed maximum height of 9 feet. These walls and the associated fill for the grading of the workspace are temporary and will be used to create a level workspace for the equipment and materials necessary for construction of the HDD crossing.

The pipeline crossing is intended to be open cut up to the HDD entry/exit point (Lat. 38.957880°, Long. - 90.373638°). The open cut portion of the pipeline construction is not located within the floodway fringe. Boring of the crossing is estimated to take approximately 15 weeks. The contractor and Spire will monitor the weather forecast prior to and during construction of the workspace and HDD crossing to attempt to avoid grading of the area when flows are elevated due to rain events. Following completion of the HDD crossing, the workspace will be returned to approximate original surface conditions with no permanent aboveground structures and no permanent encroachment or net fill placement within the floodplain. Stabilized construction entrances within the floodplain will be constructed level with the existing ground surface by removing topsoil and placing gravel to bring the top of gravel surface elevation even with the existing surface. Excess material shall be placed outside of the floodplain area. Permanent fill placed within the limits of the floodplain shall not exceed the original elevations.

As previously permitted, construction within the regulatory floodway is proposed to be subsurface with no change in stream channel elevations. Temporary work areas located within the floodway fringe will be restored to approximate original contours. Therefore, no permanent change to the cross section of the regulatory floodway or increase in base flood elevations is expected.

Spire and GAI thank you in advance for your review of this information. If you have any questions regarding this submission, please feel free to contact Bryce Good at 570.319.4707 or by e-mail at B.Good@gaiconsultants.com.

Sincerely,

GAI Consultants, Inc.

Matthew T. Tanner, P.E.
Senior Project Engineer

Bryce D. Good, P.E., CPESC
Assistant Director of Engineering

Robin Weissert
Assistant Environmental Manager

MTT:RW/lmt

Attachment: Attachment 1 – Floodplain Permit Figures
Attachment 2 – FEMA FIRMettes, Floodway Data Table, and Flood Profiles

ATTACHMENT 1
FLOODPLAIN PERMIT FIGURES



MATTHEW T. TANNER, P.E.
GAI CONSULTANTS, INC.

Spire STL Pipeline

SPIRE STL PIPELINE PROJECT JERSEY COUNTY, ILLINOIS FLOODPLAIN PERMIT SET

DWG. NO

STLP-FLDP-JSY-COVR
STLP-OM-JSY-001
STLP-FLDP-JSY-001
STLP-FLDP-JSY-002

DWG. TITLE

COVER SHEET
FLOODPLAIN OVERVIEW MAP
FLOODPLAIN PERMIT DRAWING
FLOODPLAIN PERMIT DRAWING

DRAWING LEGEND

- PROPOSED CONSTRUCTION LIMITS
- PROPOSED 24-INCH PIPELINE
- PROPOSED 24-INCH NORTH COUNTY EXTENSION
- PROPOSED FENCE
- EXISTING GAS PIPELINE
- EXISTING FIBER/OPTIC PIPELINE
- EXISTING OVERHEAD POWER LINE
- EXISTING FIBER OPTIC LINE
- PROPERTY IRMID
- PROPERTY LINE
- MUNICIPAL LINE
- WETLAND (DESKTOP)
- WETLAND (DELINEATED)
- POND
- C OF STREAM (DESKTOP)
- C OF STREAM (DELINEATED)
- EXISTING FENCE
- FEMA PANEL BOUNDARY LINE
- MAJOR CONTOUR
- MINOR CONTOUR
- BASE FLOOD ELEVATION LINE
- PROPOSED TIMBER MAT STREAM CROSSING

FLOODPLAIN LEGEND

- FEMA ZONE A
- FEMA ZONE AE FLOODWAY
- FEMA ZONE AE DENSITY FLOODWAY
- FEMA ZONE AE FLOODWAY FRINGE

GENERAL NOTES:

1. ACCESS ROADS CONSTRUCTED WITHIN THE FEMA 100-YEAR (1% ANNUAL CHANCE) FLOOD ZONES ARE TO BE CONSTRUCTED SUCH THAT THE SURFACE IS AT EXISTING GRADE AND THERE IS NO INCREASE IN THE EXISTING ELEVATIONS.
2. PIPELINE SHALL BE BURIED AT A DEPTH OF NO LESS THAN 5 FEET.
3. FOLLOWING BACKFILLING OF PIPELINE TRENCH OR REMOVAL OF TEMPORARY ACCESS ROADS, AREAS DISTURBED BY CONSTRUCTION SHALL BE RESTORED TO APPROXIMATE ORIGINAL CONTOUR AND SURFACE COVER.
4. CONTRACTOR SHALL MONITOR LOCAL WEATHER FORECASTS, PRECIPITATION AND STREAM / RIVER LEVELS AND SHALL BE PREPARED TO REMOVE EQUIPMENT FROM FLOOD ZONE AREAS PRIOR TO A FORECASTED FLOOD EVENT.
5. ALL MATERIALS TEMPORARILY STORED WITHIN A FEMA 100-YEAR (1% ANNUAL CHANCE) FLOOD ZONE SHALL BE SECURED BY THE CONTRACTOR TO PREVENT FLOATATION OR MOVEMENT OF SAID MATERIALS DURING A FLOOD EVENT. MATERIALS THAT MAY RESULT IN POLLUTION SUCH AS FUELS OR OTHER CHEMICALS SHALL BE REMOVED FROM THE FLOODPLAIN WHEN NOT IN USE OR PRIOR TO A FORECASTED FLOOD EVENT.
6. TREE AND BRUSH DEBRIS SHALL BE REMOVED FROM THE FLOODPLAIN OR BURNED IN ACCORDANCE WITH COUNTY AND STATE LAW.

FLOODPLAIN PERMITTING BY



REFERENCE DRAWINGS		REFERENCE DRAWINGS		REVISIONS				REVISIONS							
DWG NO.	TITLE	DWG NO.	TITLE	NO.	REVISIONS	DATE	DRAWN	CK	APPR	NO.	REVISIONS	DATE	DRAWN	CK	APPR
				0	ISSUED FOR PERMIT	10/2017	JAM	RJP	DGG						

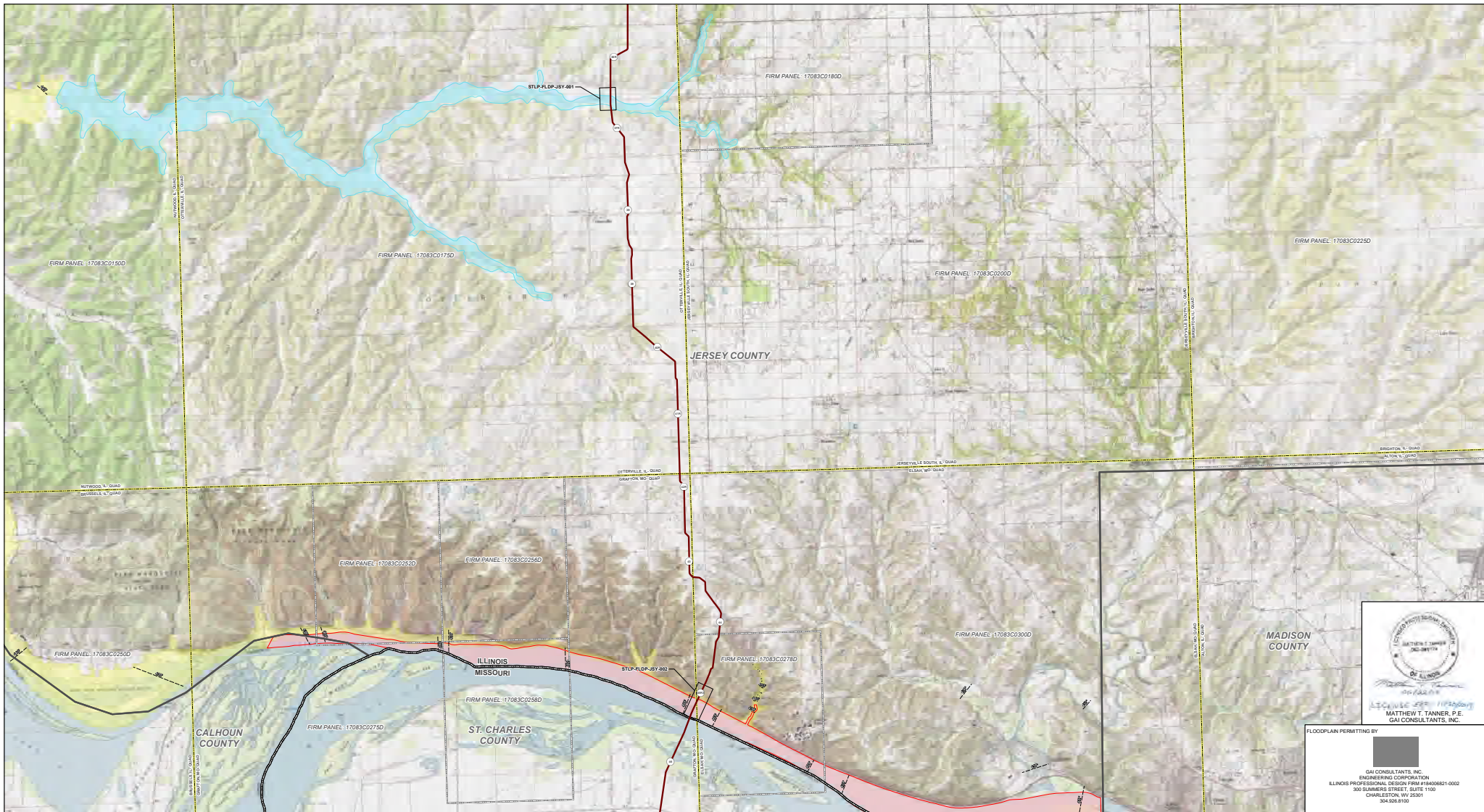
APPROVALS					
DESIGNED BY	DATE	ENG. APPROVAL	DATE	CLIENT APPROVAL	DATE
JAM	09/2017	DGG	09/2017		
CHECKED BY	DATE	CLIENT APPROVAL	DATE		
RJP	09/2017	JEW	09/2017	STLP-FLDP-JSY-COVR	



PREPARED FOR: **Spire STL Pipeline**

PREPARED BY: **MOTT MACDONALD**

SPIRE STL PIPELINE PROJECT
PROPOSED 24-INCH DIAMETER PIPELINE
FLOODPLAIN PERMIT DRAWINGS
COVER SHEET



FLOODPLAIN PERMITTING BY

 GAI CONSULTANTS, INC.
 ENGINEERING CORPORATION
 ILLINOIS PROFESSIONAL DESIGN FIRM #14400621-0002
 300 SUMMERS STREET, SUITE 1100
 CHARLESTON, WV 25301
 304.408.8100

- ① MILE POST
- PROPOSED 24-INCH DIAMETER PIPELINE
- - - - - BASE FLOOD ELEVATION LINE
- FEMA ZONE A
- FEMA ZONE AE FLOODWAY
- FEMA ZONE AE FLOODWAY FRINGE
- PAGE INDEX
- FIRM PANEL BOUNDARY
- COUNTY BOUNDARY
- STATE BOUNDARY
- USGS QUADRANGLE BOUNDARY

SPIRE STL PIPELINE PROJECT FLOODPLAIN QUAD OVERVIEW



ABSOLUTE SCALE:
1:36,000

REFERENCE SCALE:
1 IN = 3,000 FEET

JERSEY COUNTY, ILLINOIS



PREPARED FOR
**Spire
STL Pipeline**

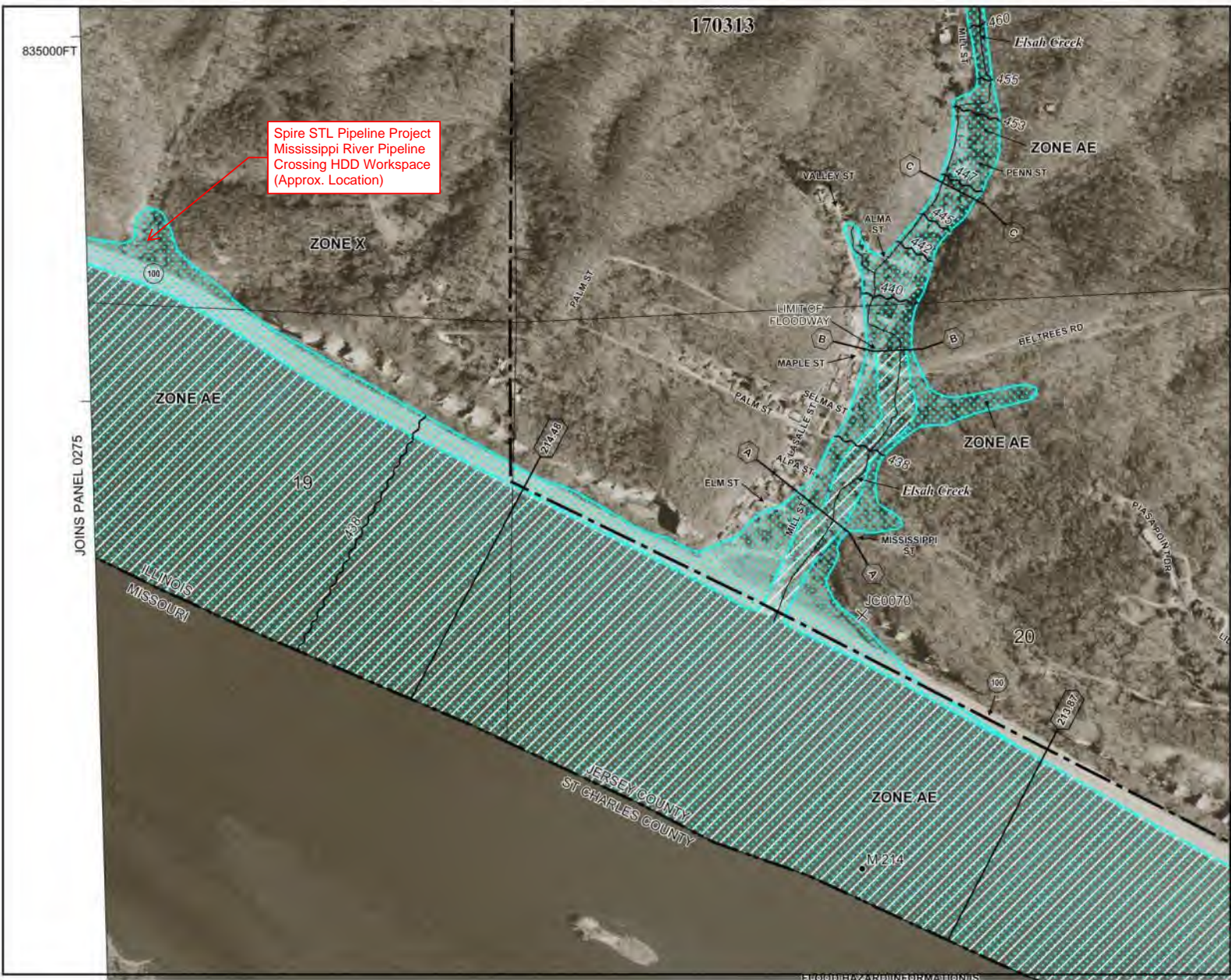


DRAWN BY:	EAP 09/29/2017
CHECKED BY:	AJD 06/01/2018
ENG. APPROVAL:	DGG 06/01/2018
APPROVED BY:	JW 06/01/2018
REV. DATE:	06/2018
REVISION:	1
DESC:	ISSUED FOR PERMIT
PAGE:	STLP-OM-JSY-001

NOTES:
 FLOODPLAIN DATA OBTAINED BY GAI CONSULTANTS ON 08/29/2017, FROM THE FEDERAL EMERGENCY MANAGEMENT AGENCY, PUBLISHED ON 04/02/2009, NATIONAL FLOOD HAZARD LAYER (NFHL), VERSION 1.1.0 FEMA-NFHL, WASHINGTON, D.C., FEDERAL EMERGENCY MANAGEMENT AGENCY, <https://nrc.fema.gov>.
 MAPS COMPILED UTILIZING ESRI TOPOGRAPHIC BASEMAP.

ATTACHMENT 2

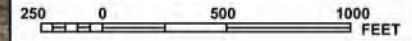
FEMA FIRMETTES, FLOODWAY DATA TABLE, AND FLOOD PROFILES



Spire STL Pipeline Project
Mississippi River Pipeline
Crossing HDD Workspace
(Approx. Location)



MAP SCALE 1" = 500'



NFIP PANEL 0278D

FIRM
FLOOD INSURANCE RATE MAP
JERSEY COUNTY,
ILLINOIS
AND INCORPORATED AREAS

PANEL 278 OF 300
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NAME	PANEL	SUFFIX
ELSAH VILLAGE OF	170313	0278	01
JERSEY COUNTY	170312	0278	01

Please to state: The Map Number shown below should be used when placing map orders. The Community Number shown above should be used on insurance applications for the subject community.

MAP NUMBER
17083C0278D

EFFECTIVE DATE
APRIL 2, 2009

Federal Emergency Management Agency

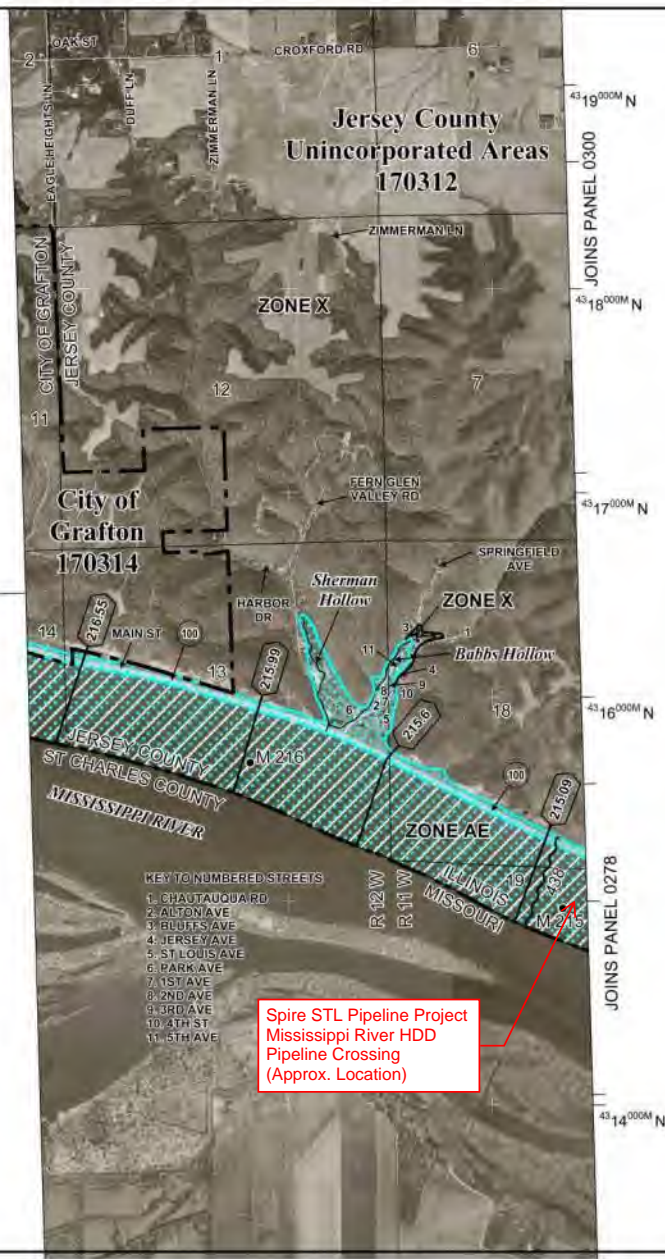
This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov

AREA SHOWN
SCALE OF
1" = 500' ON MAP
NUMBER 17083C0252

THIS AREA SHOWN
AT A SCALE OF
1" = 500' ON MAP
NUMBER 17083C0256



THIS AREA SHOWN
AT A SCALE OF
1" = 500' ON MAP
NUMBER 17083C0258

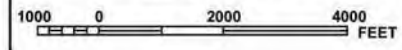


- KEY TO NUMBERED STREETS
1. CHAUTAUQUA RD
 2. ALTON AVE
 3. BLUFFS AVE
 4. JERSEY AVE
 5. ST LOUIS AVE
 6. PARK AVE
 7. 1ST AVE
 8. 2ND AVE
 9. 3RD AVE
 10. 4TH ST
 11. 5TH AVE

Spire STL Pipeline Project
Mississippi River HDD
Pipeline Crossing
(Approx. Location)



MAP SCALE 1" = 2000'



NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0275D

FIRM
FLOOD INSURANCE RATE MAP
JERSEY COUNTY,
ILLINOIS
AND INCORPORATED AREAS

PANEL 275 OF 300
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

COMPANY	NAME	PANEL	SHEET
GRAFTON CITY OF	170314	0275	02
JERSEY COUNTY	170312	0275	02

Before to issue: The Map Number shown below should be used when placing map orders. The Community Number shown above should be used on insurance applications for the subject community.

MAP NUMBER
17083C0275D

EFFECTIVE DATE
APRIL 2, 2009

Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov

FLOODING SOURCE		FLOODWAY				1-PERCENT-ANNUAL-CHANCE-FLOOD WATER SURFACE ELEVATION (FEET NAVD 88)			
CROSS SECTION	DISTANCE ¹	WIDTH ² (FEET) WITHIN ILLINOIS	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	WIDTH ² (FEET) TOTAL	REGULATORY FROM UNET MODEL	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Mississippi River									
208.89	208.89	4,281	N/A	N/A	6,127	437.2	N/A	N/A	N/A
209.46	209.46	4,576	N/A	N/A	5,784	437.3	N/A	N/A	N/A
210.13	210.13	3,963	N/A	N/A	6,123	437.4	N/A	N/A	N/A
210.79	210.79	3,091	N/A	N/A	5,791	437.5	N/A	N/A	N/A
211.39	211.39	2,350	N/A	N/A	5,325	437.6	N/A	N/A	N/A
211.92	211.92	2,155	N/A	N/A	4,412	437.7	N/A	N/A	N/A
212.38	212.38	1,791	N/A	N/A	3,551	437.7	N/A	N/A	N/A
212.86	212.86	1,111	N/A	N/A	3,970	437.8	N/A	N/A	N/A
213.28	213.28	945	N/A	N/A	4,886	437.8	N/A	N/A	N/A
213.87	213.87	1,050	N/A	N/A	5,146	437.9	N/A	N/A	N/A
214.48	214.48	1,194	N/A	N/A	5,431	438.0	N/A	N/A	N/A
215.09	215.09	1,380	N/A	N/A	5,699	438.1	N/A	N/A	N/A
215.6	215.60	1,465	N/A	N/A	6,392	438.2	N/A	N/A	N/A
215.99	215.99	1,370	N/A	N/A	7,216	438.3	N/A	N/A	N/A
216.55	216.55	1,228	N/A	N/A	7,693	438.4	N/A	N/A	N/A
216.92	216.92	1,493	N/A	N/A	7,921	438.4	N/A	N/A	N/A
217.47	217.47	1,217	N/A	N/A	7,606	438.5	N/A	N/A	N/A
218.01	218.01	1,531	N/A	N/A	7,784	438.6	N/A	N/A	N/A
218.3	218.30	822	N/A	N/A	7,668	438.7	N/A	N/A	N/A

¹ Miles above confluence with Ohio River

² Widths are reported as widths to state line and composite width

*Floodway Data Tables for the Mississippi River are a special case. See Flood Insurance Study Text for full explanation.

N/A = Data not available

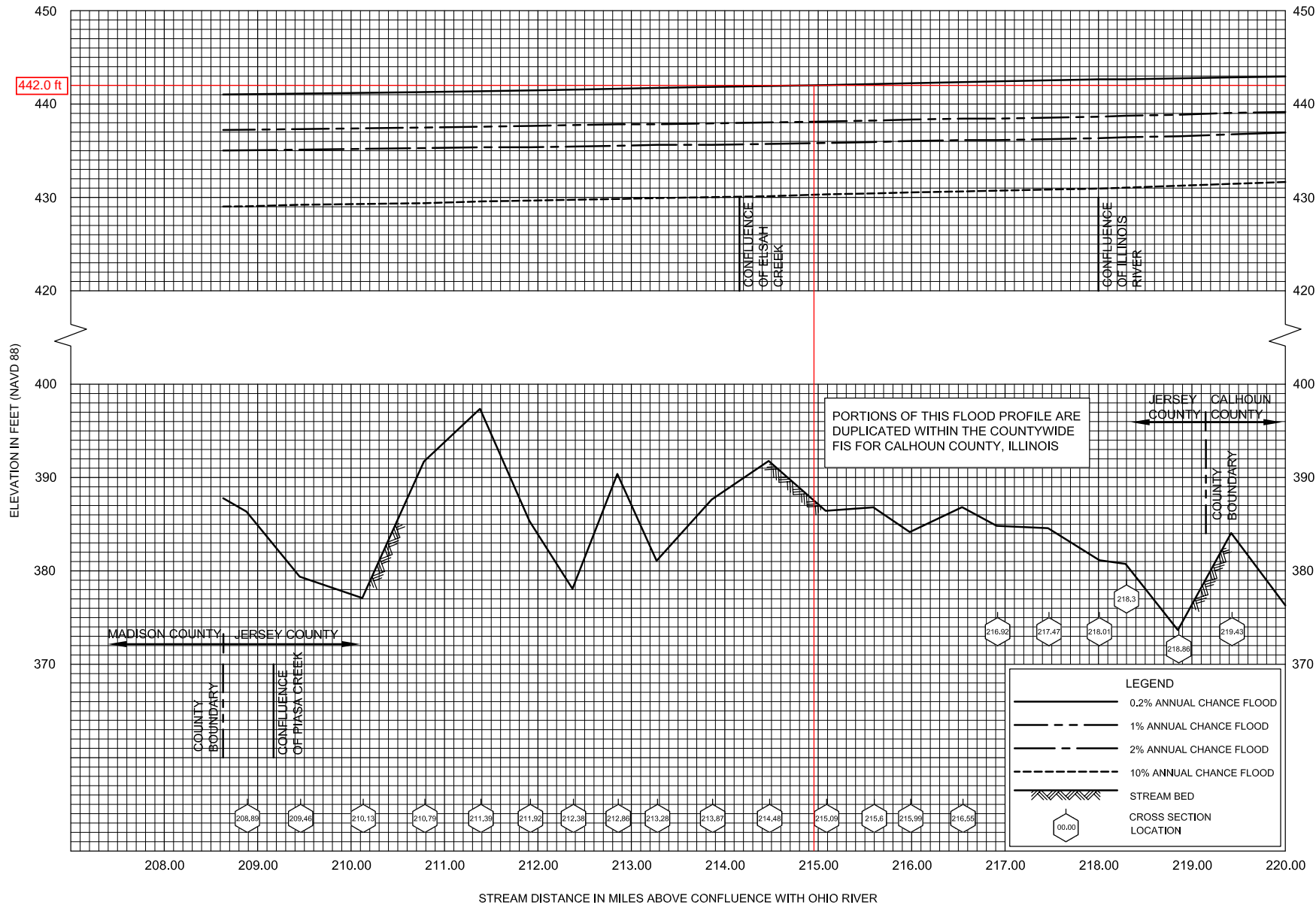
**T
A
B
L
E
9**

FEDERAL EMERGENCY MANAGEMENT AGENCY

**JERSEY COUNTY, IL
AND INCORPORATED AREAS**

FLOODWAY DATA

MISSISSIPPI RIVER*



Source: Jersey County, Illinois and Incorporated Areas, FEMA Flood Insurance Study No. 17083CV000A, dated April 2, 2009

FLOOD PROFILES
MISSISSIPPI RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY
JERSEY COUNTY, IL
AND INCORPORATED AREAS

Ali Trunzo

Subject: FW: Temporary Fill in Floodplian

From: Derek Russell [<mailto:codeadmin@jerseycounty-il.us>]

Sent: Tuesday, March 27, 2018 1:39 PM

To: Matt Tanner <M.Tanner@gaiconsultants.com>

Subject: Temporary Fill in Floodplian

Hi Matt,

After speaking with Cindy about the issue. We came to the conclusion that more information is not needed for the fill if it is only going to be there for a short period of time. The fill would be covered under the current permit that is issued. Just as a reminder any fill that is being used will need to be clean fill, which I am sure that you are aware of. As long as the property is brought back to its current condition it will be fine. If you have any other questions or need other information feel free to let us know.

Thank you,

Derek Russell

Jersey County Code Administration

Chief Deputy Code Administrator

200 N. Lafayette St., Ste. 6

Jerseyville IL. 62052

618-498-5571 Ext. 145

telephone log



gai consultants

Date: 03/27/2017

Project / Admin. No.: E160438.00

Call From: Matt Tanner

Company: GAI Consultants

Phone No.: 681-245-8854

Call To: Derek Russell, Chief Deputy Code Administrator

Company: Jersey County, Illinois

Phone No.: 618-498-5571 x145

Subject: County Floodplain Permit Modification Questions

cc:

Summary of Discussion, Decisions, and Commitments:

I called Mr. Derek Russell regarding modification of Spire's Jersey County Floodplain permit for potential reroutes. I told him that we wanted to find out what additional permitting requirements (if any) the County might have for temporary placement of fill material in the Floodway Fringe. I told him that the fill would be in the floodplain for a prolonged period of time, but would be restored to approximate original conditions following construction. He told me that he wasn't sure and would need to talk with the Code Administrator Cindy Cregmiles. He said that he would get back with me via email. He also said that we may already be covered under our existing permit, but that would be up to Cindy. He responded via email later the same day.

Ali Trunzo

Subject: FW: Spire Pipeline Contractor Question

From: Derek Russell [<mailto:codeadmin@jerseycounty-il.us>]

Sent: Wednesday, January 31, 2018 10:34 AM

To: Matt Tanner <M.Tanner@gaiconsultants.com>

Subject: RE: Spire Pipeline Contractor Question

Hi Matt,

I spoke with Cindy, and the county does not require any license other than roofing and plumbing. So you do not need any other approval from the county, we have already completed our review process. If you need anything feel free to get a hold of us.

Thanks,

Derek Russell

Jersey County Code Administration
Chief Deputy Code Administrator
200 N. Lafayette St., Ste. 6
Jerseyville IL. 62052
618-498-5571 Ext. 145

From: Matt Tanner [<mailto:M.Tanner@gaiconsultants.com>]

Sent: Wednesday, January 31, 2018 9:22 AM

To: Derek Russell

Cc: Ali Trunzo

Subject: Spire Pipeline Contractor Question

Hi Derek,

A question has come up regarding County approvals of the contractors to be used for construction of the Spire pipeline project. Other than a business or contractor's license, are there any other requirements that the County approve the contractors to be used?

Thank you

Matthew T. Tanner, P.E.

Senior Project Engineer

GAI Consultants, 300 Summers Street, Suite 1100, Charleston, WV 25301

T 304.926.8100 **D** 681.245.8854 **M** 304.963.3184

[Facebook](#) | [LinkedIn](#) | [Twitter](#) | [YouTube](#) | [News & Insights](#)



**ENGINEERING,
PLANNING, AND
ENVIRONMENTAL
CONSULTING SINCE 1958**

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

Ali Trunzo

Subject: FW: Floodplain Development Permit

From: Derek Russell [<mailto:codeadmin@jerseycounty-il.us>]

Sent: Thursday, January 04, 2018 11:59 AM

To: Matt Tanner <M.Tanner@gaiconsultants.com>

Subject: RE: Floodplain Development Permit

Hi Matt,

Thanks for sending that to me, that will work I have it placed in the file and the permit submitted.
I greatly appreciate it.

Thank you,

Derek Russell

Jersey County Code Administration

Chief Deputy Code Administrator

200 N. Lafayette St., Ste. 6

Jerseyville IL. 62052

618-498-5571 Ext. 145

From: Matt Tanner [<mailto:M.Tanner@gaiconsultants.com>]

Sent: Thursday, January 04, 2018 9:25 AM

To: Derek Russell

Cc: Ferry, Lori M; Ali Trunzo; Robin Weissert

Subject: RE: Floodplain Development Permit

Hi Derek,

The final signed permit is attached.

Thank you for your assistance.

Matthew T. Tanner, P.E.

Senior Project Engineer

300 Summers Street, Suite 1100, Charleston, WV 25301

T 304.926.8100 **D** 681.245.8854 **M** 304.963.3184

Connect with GAI | [Facebook](#) | [LinkedIn](#) | [Twitter](#) | [YouTube](#) | [News & Insights](#)



**ENGINEERING,
PLANNING, AND
ENVIRONMENTAL
CONSULTING SINCE 1958**

GAI Consultants provides local expertise to worldwide clients in the energy, transportation, development, government, and industrial markets.

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

From: Derek Russell [<mailto:codeadmin@jerseycounty-il.us>]

Sent: Thursday, December 28, 2017 11:18 AM

To: Matt Tanner <M.Tanner@gaiconsultants.com>

Subject: Floodplain Development Permit

Hi Matt,

We have completed the final permit for the pipeline going through the floodplain. The only other thing that we will be needing is the certificate of depth once the project is complete. I have attached the final permit, if you could please electronically sign the permit and return a copy of it that would be great. Also, I have attached the Commercial application that you sent to us, it has been approved and signed. Thank you for sending us all of this information and helping us get this completed.

I hope that you have a good New Year.

Thank you,

Derek Russell

Jersey County Code Administration

Chief Deputy Code Administrator

200 N. Lafayette St., Ste. 6

Jerseyville IL. 62052

618-498-5571 Ext. 145

Jersey County Building Permit

FP2017-139

Owner Name: Spire STL Pipeline, LLC	Contractor Name: Michaels Directional Crossings (Ma
Address: 700 Market Street ST LOUIS, MO 63101-	Address: PO Box 128 817 Main St. Brownsville, WI 53006-
Phone: (314) 956-5221	Phone: (920) 539-3754
Site Address: STATE HWY 100 ELSAH, IL 62028-	Application Date: 11/22/2017
Site Phone:	Township: Elsah Township
Parcel Number: 01-018-001-00	Sec: 18 Twp: 6 Range: 11
Legal Description: FRAC'L E3/4 LESS PT PIASA BLUFFS.	Subdivision:

Top of Bottom Floor	0	top of Next Highest Floor	0
Bottom of Lowest Horizontal	0	Attached garage (Top of Slab)	0
Lowest Elevation of Machinery	0	Highest Adjacent Finished Gr	0
Lowest Adjacent Grade at Lov	0	Base Flood Elevation	438
Required Base Flood Elevatio	441	Flood Plain Occupancy Permi	<input type="checkbox"/>
Elevation Certificate	<input type="checkbox"/>	Basement?	<input type="checkbox"/>
Payment Method		Check Number	
payment Method/Comments	Exempt	Complete/Approved?	<input checked="" type="checkbox"/> 12/27/2017
Roofers License NUMBER	NA	Electrician	NA
Concrete Contractor	NA	Architect/Engineer	GAI Consultants
Mechanical contractor	NA	Plumbing Contractor	
Total Square Feet	0	Living Area Square Feet	0
Unattached Garage Square F	0	Piers or Foundation	

Notes: Proposed development of 24" pipeline running through two identified Jersey County Floodplains. The Permit is being issued under these conditions. Access to project for inspections. Certificate of Depth provided after the construction.

The information in this application is true and correct to the best of my knowledge. I understand that the issuance of this permit does not exempt me from any other requirements (i.e. sewage disposal permits, occupancy permits, subdivision restrictions, highway & property lines, accessibility standards, etc.). Upon payment of the permit fee, I certify that I have received a copy of this permit. Applicant states that he is familiar with the boundary lines of the property and can and will show the building inspector the lines to the best of his ability. Note: Approval of this Building Permit Application and issuance of the Building Permit does not give permission to violate any of the Jersey County Codes. Where applicable, State of Illinois Codes and Regulations may be more stringent. Permits are valid 180 days from issue date and are not refundable.

Date 1/3/2018 Applicant Russell English (Russell English)

Permit Fee:	\$0.00	Cost of Construction per valuation data:	\$0.00
Penalty Fee:	\$0.00	Misc Fee Explanation:	
Stormwater Mgmt Fee:			
OCC Permit Fee:			
Permit Total:	\$0.00		
Fee Paid:			
Balance Due:	\$0.00		

I, the undersigned designated building inspector for Jersey County, hereby grant the issuance of this permit based upon the information which has been supplied by the application. Myself, or Jersey County, will not be responsible for falsified representations, whether intended or not, which lead to this permit approval.

Date Issued: 12/28/17 Building Officer: Cindy Crumley

Ali Trunzo

From: Ali Trunzo
Sent: Tuesday, January 02, 2018 10:25 AM
To: Ali Trunzo
Subject: FW: Floodplain Development Permit
Attachments: Jersey Co. App..pdf; Permit.pdf; Jersey Co. Commercial Floodplain Development Application - Cert. of Depth.pdf

From: Derek Russell [<mailto:codeadmin@jerseycounty-il.us>]
Sent: Thursday, December 28, 2017 11:18 AM
To: Matt Tanner <M.Tanner@gaiconsultants.com>
Subject: Floodplain Development Permit

Hi Matt,

We have completed the final permit for the pipeline going through the floodplain. The only other thing that we will be needing is the certificate of depth once the project is complete. I have attached the final permit, if you could please electronically sign the permit and return a copy of it that would be great. Also, I have attached the Commercial application that you sent to us, it has been approved and signed. Thank you for sending us all of this information and helping us get this completed.

I hope that you have a good New Year.

Thank you,

Derek Russell

Jersey County Code Administration
Chief Deputy Code Administrator
200 N. Lafayette St., Ste. 6
Jerseyville IL. 62052
618-498-5571 Ext. 145

Commercial
Development Permit Application
Located in Unincorporated Areas of Jersey County
**Application Fee: \$400 **
Penalty Fee if applicable \$500

Jersey County

Application Number: _____

THIS PERMIT APPLICATION MUST BE COMPLETELY FILLED OUT (NOTHING LEFT BLANK) AND IS VALID FOR 1 YEAR.

PART I

1) Applicant Full Name: Spire STL Pipeline, LLC

2) Contact Full Name: Russell English Phone: 314-342-3303

3) Mailing Address: 700 Market Street, St. Louis, MO 63101
Number/Street or P O Box *City* *Zip Code*

4) Email: Russell.English@spireenergy.com Cell: 314-956-5221

5) Location of Property: Street Address Not Available
Street Address *City* *zip*

Otter Creek Crossing APN: 06-002-008-00, 10-11-200-003, 10-11-200-004 / HDD Site APN: 01-018-001-00
Property Identification Number *Abstract Information*

Name /Number of Survey *Acreage*

Otter Creek Crossing: Lat. 39.072302°, Long. -90.392085° / HDD Site: Lat. 38.956822°, Long. -90.373921°
***LAT. _____ LON. ***

Applicant Requests To:

- Construct Remodel Place Manufactured Housing
 Burial, Pipeline or Cable Drill Other

List Type and Purpose of Development: Natural gas transmission pipeline construction including

HDD crossing beneath the Mississippi River.
Please include with this application a copy of the survey.

Is site to be located in an identified Special Flood Hazard Area (Regulatory Floodplain)? Yes No
If no, proceed to Part III. If yes, complete Parts II and III.

Jersey County Code Administrator

200 N. Lafayette St., Jerseyville, IL 62052 Office 618-498-5571 Ext. 146
codeadmin1@jerseycounty-il.us www.jerseycountyillinois.us

****Penalty Fee if applicable: \$500.00****

PART II

17083C0175D

Name of Community: Unincorporated Areas NFIP Community/Panel Number: 17083C0278D

Flood Map Effective Date: April 2, 2009 Flood Zone Type: AE A X Other

Engineer: GAI Consultants Inc. (Attn: Matthew Tanner, P.E.) Contact Phone: 681-245-8854

Contractor: Contractor Not Yet Selected Contact Phone: N/A

BE: 438.1 Natural Elevation of Site: 428 to 500 Proposed Built Pad Elevation: N/A

Applicant **MUST** attach the following to the Permit Application **if any portion or all property** is located within 1% chance (100 year) Floodplain:

- One copy of Plans/Specifications of proposed construction;
- Latitude and Longitude included on Land Survey completed by Illinois Licensed Land Surveyor; Elevation Certificate completed by a licensed Illinois Professional Engineer (with PE stamp.)

Is site to be located in an identified floodway? Yes No **If yes**, it must be demonstrated through an engineering study that there will be no increase in flood heights during the discharge of the 1% Chance flood caused by your development.

Plans, specifications, and application for permit filed by the applicant shall constitute by reference a part of this permit.

PART III

WARNING STATEMENT: Please read and acknowledge.

The flood hazard boundary maps and other flood data used by the Unincorporated Jersey County Certified Floodplain Administrator in evaluating flood hazards to proposed building and/or developments are considered reasonable and accurate for regulatory purposes and are based on the best scientific and engineering data. On rare occasions, rarer floods can and will occur and flood heights may be increased by man-made or natural causes. CFM **Applicant Initials**

I acknowledge that I have read and understand the above Warning Statement. I also hereby grant permission to the Jersey County Certified Flood Plain Administrator to enter upon the above described property for the purpose of making all necessary inspections pertaining to the Development Permit.

Spire 5th Pipeline LLC
Carter Remata, General Counsel
Applicant Signature

11/10/17
Date
12-28-17
Date

Cindy Cregmiles CFM
Jersey County Certified Floodplain Administrator Signature



Jersey County Building Permit

FP2017-139

Owner Name: Spire STL Pipeline, LLC	Contractor Name: Michaels Directional Crossings (Ma
Address: 700 Market Street ST LOUIS, MO 63101-	Address: PO Box 128 817 Main St. Brownsville, WI 53006-
Phone: (314) 956-5221	Phone: (920) 539-3754
Site Address: STATE HWY 100 ELSAH, IL 62028-	Application Date: 11/22/2017
Site Phone:	Township: Elsah Township
Parcel Number: 01-018-001-00	Sec: 18 Twp: 6 Range: 11
Legal Description: FRAC'L E3/4 LESS PT PIASA BLUFFS.	Subdivision:

Top of Bottom Floor	0	top of Next Highest Floor	0
Bottom of Lowest Horizontal	0	Attached garage (Top of Slab)	0
Lowest Elevation of Machinery	0	Highest Adjacent Finished Gr	0
Lowest Adjacent Grade at Lov	0	Base Flood Elevation	438
Required Base Flood Elevatio	441	Flood Plain Occupancy Permi	<input type="checkbox"/>
Elevation Certificate	<input type="checkbox"/>	Basement?	<input type="checkbox"/>
Payment Method		Check Number	
payment Method/Comments	Exempt	Complete/Approved?	<input checked="" type="checkbox"/> 12/27/2017
Roofers License NUMBER	NA	Electrician	NA
Concrete Contractor	NA	Architect/Engineer	GAI Consultants
Mechanical contractor	NA	Plumbing Contractor	
Total Square Feet	0	Living Area Square Feet	0
Unattached Garage Square Fi	0	Piers or Foundation	

Notes: Proposed development of 24" pipeline running through two identified Jersey County Floodplains. The Permit is being issued under these conditions. Access to project for inspections. Certificate of Depth provided after the construction.

The information in this application is true and correct to the best of my knowledge. I understand that the issuance of this permit does not exempt me from any other requirements (i.e. sewage disposal permits, occupancy permits, subdivision restrictions, highway & property lines, accessibility standards, etc.). Upon payment of the permit fee, I certify that I have received a copy of this permit. Applicant states that he is familiar with the boundary lines of the property and can and will show the building inspector the lines to the best of his ability. Note: Approval of this Building Permit Application and issuance of the Building Permit does not give permission to violate any of the Jersey County Codes. Where applicable, State of Illinois Codes and Regulations may be more stringent.

Permits are valid 180 days from issue date and are not refundable.

Date _____ Applicant _____

Permit Fee:	\$0.00	Cost of Construction per valuation data:	\$0.00
Penalty Fee:	\$0.00	Misc Fee Explanation:	
Stormwater Mgmt Fee:			
OCC Permit Fee:			
Permit Total:	\$0.00		
Fee Paid:			
Balance Due:	\$0.00		

I, the undersigned designated building inspector for Jersey County, hereby grant the issuance of this permit based upon the information which has been supplied by the application. Myself, or Jersey County, will not be responsible for falsified representations, whether intended or not, which lead to this permit approval.

Date Issued: 12/28/17

Building Officer: Cindy Cregmiles Cfm

Jersey County Code Administrator

200 N. Lafayette St., Jerseyville, IL 62052 Office 618-498-5571 Ext. 146
codeadmin1@jerseycounty-il.us www.jerseycountyillinois.us

**Certification of Depth of Oil / Gas / Pipeline Development
Located in Unincorporated Areas of Jersey County**

Permit No _____ Date Issued: _____, 20 ____

THIS IS TO CERTIFY that the pipeline constructed under this permit in unincorporated areas of Jersey County has been buried at least 5 feet and minimum under any creek or river within floodplain boundaries is at the minimum required by the State of Illinois,

Location of Pipeline: Map attached? YES NO *Please complete the following legibly..*

Company Name: _____

Company Address: _____

Contact Information: _____

Name

24 hour phone

Email

By signing this form I certify that the above-stated requirements have been met.

Signature, Pipeline Inspector

Printed Name of Pipeline Inspector

Title

Contact Phone

Received by: _____

Date: _____

Ali Trunzo

Subject: FW: Floodplain Development Permit

From: Derek Russell [<mailto:codeadmin@jerseycounty-il.us>]

Sent: Wednesday, December 27, 2017 3:35 PM

To: Matt Tanner <M.Tanner@gaiconsultants.com>

Subject: RE: Floodplain Development Permit

Hi Matt,

That sounds good, that is what we were needing, I will get the permit completed and send it to you via e-mail and see if you can digitally sign it and return the permit to us. I appreciate it.
I hope you had a good Christmas too.

Thanks,

Derek Russell

Jersey County Code Administration
Chief Deputy Code Administrator
200 N. Lafayette St., Ste. 6
Jerseyville IL. 62052
618-498-5571 Ext. 145

From: Matt Tanner [<mailto:M.Tanner@gaiconsultants.com>]

Sent: Wednesday, December 27, 2017 1:41 PM

To: Derek Russell

Cc: Ferry, Lori M; Ali Trunzo

Subject: RE: Floodplain Development Permit

Derek,

I hope you had a good Christmas holiday. Spire has selected Michels Directional Crossings as their contractor. The requested contact information is included below:

Mark Zimmerman
Michels Directional Crossings
Project Manager
Phone: (920) 583-3132
Cell Phone: (920) 539-3754
Email: mzimmerm@michels.us
Address: PO Box 128 | 817 Main Street, Brownsville, WI 53006

Also attached, please find the requested flood plan prepared for the project. Feel free to contact me if there are any questions.

Thank you

Matthew T. Tanner, P.E.

Senior Project Engineer

300 Summers Street, Suite 1100, Charleston, WV 25301

T 304.926.8100 D 681.245.8854 M 304.963.3184

Connect with GAI | [Facebook](#) | [LinkedIn](#) | [Twitter](#) | [YouTube](#) | [News & Insights](#)



**ENGINEERING,
PLANNING, AND
ENVIRONMENTAL
CONSULTING SINCE 1958**

GAI Consultants provides local expertise to worldwide clients in the energy, transportation, development, government, and industrial markets.

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

From: Derek Russell [<mailto:codeadmin@jerseycounty-il.us>]

Sent: Monday, November 27, 2017 4:47 PM

To: Matt Tanner <M.Tanner@gaiconsultants.com>

Subject: RE: Floodplain Development Permit

Hi Matt,

Okay that sound good, I hope you had a good holiday weekend. There is no rush on the information.

Thank you,

Derek Russell

From: Matt Tanner [<mailto:M.Tanner@gaiconsultants.com>]

Sent: Monday, November 27, 2017 2:02 PM

To: Derek Russell

Cc: Ali Trunzo; Ferry, Lori M; Robin Weissert

Subject: RE: Floodplain Development Permit

Derek,

Thank you. A contractor was recently selected and we are working to get their contact information. We will be in touch again as soon as we receive that information.

Sincerely

Matthew T. Tanner, P.E.

Senior Project Engineer

300 Summers Street, Suite 1100, Charleston, WV 25301

T 304.926.8100 D 681.245.8854 M 304.963.3184

Connect with GAI | [Facebook](#) | [LinkedIn](#) | [Twitter](#) | [YouTube](#) | [News & Insights](#)



**ENGINEERING,
PLANNING, AND
ENVIRONMENTAL
CONSULTING SINCE 1958**

GAI Consultants provides local expertise to worldwide clients in the energy, transportation, development, government, and industrial markets.

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

From: Derek Russell [<mailto:codeadmin@jerseycounty-il.us>]

Sent: Tuesday, November 21, 2017 4:50 PM

To: Matt Tanner <M.Tanner@gaiconsultants.com>

Subject: Floodplain Development Permit

Hello Matt,

I received the message from Cindy that you were wondering about the Development Permit. We are in the process of reviewing the permit and having it completed. We will be needing to know who the contractor is and there information before the permit can be issued. We will also be able to issue the permit under these conditions once we have received the contractor information.

1. USACE permits 404/401 & Permission # OD-R16-020 provided prior to construction.
2. A copy of the Required Flood Control plan prior to construction.
3. A Certificate of Depth once the pipe line is completed. I have attached a copy of that document.

Best Regards,

Derek Russell

Jersey County Code Administration

200 N. Lafayette St., Suite 6

Jerseyville, IL 62052

Ph # 618-498-5571 ext. 145

Fax # 618-498-2375

www.jerseycountyillinois.us

Ali Trunzo

From: Matt Tanner
Sent: Monday, November 27, 2017 3:02 PM
To: Derek Russell
Cc: Ali Trunzo; Ferry, Lori M; Robin Weissert
Subject: RE: Floodplain Development Permit

Derek,

Thank you. A contractor was recently selected and we are working to get their contact information. We will be in touch again as soon as we receive that information.

Sincerely

Matthew T. Tanner, P.E.
Senior Project Engineer

300 Summers Street, Suite 1100, Charleston, WV 25301
T 304.926.8100 **D** 681.245.8854 **M** 304.963.3184

Connect with GAI | [Facebook](#) | [LinkedIn](#) | [Twitter](#) | [YouTube](#) | [News & Insights](#)



**ENGINEERING,
PLANNING, AND
ENVIRONMENTAL
CONSULTING SINCE 1958**

GAI Consultants provides local expertise to worldwide clients in the energy, transportation, development, government, and industrial markets.

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

From: Derek Russell [mailto:codeadmin@jerseycounty-il.us]
Sent: Tuesday, November 21, 2017 4:50 PM
To: Matt Tanner <M.Tanner@gaiconsultants.com>
Subject: Floodplain Development Permit

Hello Matt,

I received the message from Cindy that you were wondering about the Development Permit. We are in the process of reviewing the permit and having it completed. We will be needing to know who the contractor is and there information before the permit can be issued. We will also be able to issue the permit under these conditions once we have received the contractor information.

1. USACE permits 404/401 & Permission # OD-R16-020 provided prior to construction.
2. A copy of the Required Flood Control plan prior to construction.
3. A Certificate of Depth once the pipe line is completed. I have attached a copy of that document.

Best Regards,

Derek Russell

Jersey County Code Administration
200 N. Lafayette St., Suite 6
Jerseyville, IL 62052
Ph # 618-498-5571 ext. 145
Fax # 618-498-2375
www.jerseycountyillinois.us



Charleston Office
300 Summers Street
Suite 1100
Charleston, West Virginia 25301

T 304.926.8100
F 304.926.8180

November 14, 2017

Project E160438.00, Task 006.001

Ms. Cindy Cregmiles
Jersey County Code Administration
200 N. Lafayette, Suite 6
Jerseyville, Illinois 62052

**Jersey County Floodplain Development Permit Application
Spire STL Pipeline LLC
Spire STL Pipeline
Scott, Greene, and Jersey Counties, Illinois
and St. Charles and St. Louis Counties, Missouri**

Dear Ms. Cregmiles:

GAI Consultants, Inc. (GAI), on behalf of Spire STL Pipeline, LLC (Spire), is submitting the enclosed Jersey County Floodplain Commercial Development Permit application for the Jersey County portion of the Spire STL Pipeline Project (Project). The permit application form is enclosed in Attachment 1. The Project, as proposed, will consist of approximately 65 miles of new 24-inch diameter steel pipeline in two segments. The first segment (referred to as the "24-inch pipeline" portion of the Project) is approximately 59 miles in length. The 24-inch pipeline will originate at a new interconnect with the Rockies Express Pipeline LLC (REX) pipeline in Scott County, Illinois and extend through Greene and Jersey Counties in Illinois before crossing the Mississippi River and extending east through St. Charles County, Missouri. The 24-inch pipeline then crosses the Missouri River into St. Louis County, Missouri, and terminates at a new interconnect with Laclede Gas Company (LGC). The second segment of new pipeline (referred to as the "North County Extension") will consist of a 24-inch-diameter steel pipeline which will extend approximately six miles from the LGC interconnect through the northern portion of St. Louis County and terminate at a new interconnect (Chain of Rocks) with Enable Mississippi River Transmission, LLC (Enable MRT) and LGC. The total length of the Project pipeline will be approximately 65 miles. The Project also includes the construction of three new metering and regulating (M&R) stations that provide interconnects with (1) REX in Illinois, (2) LGC in Missouri, and (3) Chain of Rocks in Missouri. The portion of the Project within Jersey County includes approximately 16 miles of the 24-inch diameter pipeline and one mainline valve location. This Project, as proposed, falls under the oversight of the Federal Energy Regulatory Commission (FERC).

Within Jersey County, the Project is proposed to enter into the Federal Emergency Management Agency (FEMA) 100-year (1% annual chance) flood zones at two locations. Floodplain Permitting Figures showing the proposed pipeline, workspaces, access roads, and limits of construction disturbance relative to the FEMA 100-year flood zones are included in Attachment 2. As noted in these figures, construction within the 100-year flood zones will be performed with the following criteria:

- Access roads constructed within the FEMA 100-year (1% annual chance) flood zones shall be constructed such that the surface is at existing grade and there is no increase in the existing ground elevations.
- Pipeline shall be buried at a depth of no less than 5 feet.
- Following backfilling of pipeline trench or removal of temporary access roads, areas disturbed by construction shall be restored to approximate original contour and surface cover.

- Contractor shall monitor local weather forecasts, precipitation and stream / river levels and shall be prepared to remove equipment from 100-year (1% annual chance) flood zone areas prior to a forecasted flood event.
- All materials temporarily stored within a FEMA 100-year (1% annual chance) flood zone shall be secured by the contractor to prevent floatation or movement of said materials during a flood event. Materials that may result in pollution such as fuels or other chemicals shall be removed from the floodplain when not in use or prior to a forecasted flood event. Any material stored onsite that is highly volatile, flammable, explosive, toxic, or water reactive shall be stored above the 500-year (0.2% annual chance) flood elevation.
- Tree and brush debris shall be removed from the floodplain or burned in accordance with county and state law.

Otter Creek Crossing

One of the proposed pipeline stream crossing locations is located on Otter Creek within FEMA Flood Zone – A (FIRM Panel 17083C0175D; see Attachment 3). A floodway has not been delineated on the FIRM Panel in this location. The Zone A designation indicates that a location is within the area subject to a one percent annual chance flood event (100-year flood or Base Flood), but the Base Flood Elevations have not been determined. Approximately 770 Linear Feet (LF) of the proposed pipeline, 2.09 acres of proposed temporary workspace, and 680 LF of proposed temporary access roads are located within the approximate Zone A at this location. The proposed pipeline situated within Zone A will cross Otter Creek at a location adjacent to Otterville Road, approximately 0.5 miles southeast of the intersection of Otterville Road and Pump Station Road (Lat. 39.072302°, Long. -90.392085°; see Sheet STLP-FLDP-JSY-001 in Attachment 2). A temporary access road (TAR-015) will be constructed to allow access to the pipeline Right-of-Way (ROW) from Otterville Road and will utilize an existing culverted (48-inch Dia. Corrugated Metal Pipe) farm field entrance. This proposed access road entrance is located on Otterville Road approximately 300 feet north of where Otterville Road crosses Otter Creek.

Construction activities that will take place within the floodplain at this location include the open cut installation of the underground pipeline, temporary waterbars for surface water control, trench plugs for open trench water control, trench breakers for subsurface water control following pipeline installation, and construction of a temporary access road and workspaces for project location access and temporary storage.

The Otter Creek pipeline crossing is intended to be open cut. A temporary flume or dam and pump crossing method will be used within the stream to create a dry work area during pipeline installation. A temporary timber mat bridge will be constructed within the proposed ROW to allow construction equipment to cross. Construction of the crossing will be scheduled to occur during periods of low stream flow. The contractor and Spire will monitor the weather forecast prior to and during construction of the crossing. The pipeline trench is to be backfilled within 48-hours of first disturbance unless site-specific conditions make completion within 48 hours infeasible as required by the FERC. Permanent stream bank stabilization will occur immediately upon installation, backfilling, and grading at the stream crossing.

Following installation of the pipeline within the floodplain, the trench will be backfilled and compacted to approximate original contours and the area will be returned to approximate original surface conditions with no permanent aboveground structures and no permanent encroachment or net fill placement within the floodplain. All access roads and stabilized construction entrances within the floodplain will be constructed level with the existing ground surface by removing topsoil and placing gravel to bring the top of gravel surface elevation even with the existing surface. All excess material shall be placed outside of the floodplain area. Any fill placed within the limits of the floodplain shall not exceed the original elevations.

Mississippi River HDD Crossing

The second portion of the Project located within the 100-year flood zone in Jersey County is the proposed pipeline crossing of the Mississippi River. The crossing is to be constructed using a horizontal directional drilling (HDD) technique. The proposed HDD pipeline crossing of the Mississippi River and associated

workspace (Lat. 38.956822°, Long. -90.373921°) are located adjacent to Great River Road approximately 0.6 miles west of the intersection of Great River Road and Lasalle Street in Elsah, Illinois (see Sheet STLP-FLDP-JSY-002 in Attachment 2). The proposed HDD workspace is to be accessed directly from Great River Road using an existing entrance location.

The proposed HDD pipeline crossing and associated are located within FEMA Flood Zone – AE (FIRM Panel 17083C0275D and 17083C0278D; see Attachment 3). A regulatory floodway is identified on the FIRM Panel adjacent to this location on the Mississippi River. The Zone AE designation indicates that a location is within the area subject to a one percent annual chance flood event (100-year flood or Base Flood) and that the Base Flood Elevations have been determined. The base flood elevation at the HDD workspace has been interpolated to be 438.1 ft NAVD88. This elevation is based on interpolation of the 1-percent annual chance flood water surface elevation values at adjacent cross-section locations 214.48 and 215.09 in Table 9-Floodway Data Mississippi River, Jersey County, Illinois and Incorporated Areas, FEMA Flood Insurance Study No. 17083CV000A, dated April 2, 2009. A copy of Table 9-Floodway Data Mississippi River is enclosed in Attachment 3.

The 0.2% annual chance flood elevation at the HDD workspace has been approximated to be 442.0 ft NAVD88 based on the 0.2% annual chance flood profile between cross-section locations 214.48 and 215.09 on Figure 05P-Flood Profiles Mississippi River, Jersey County, Illinois and Incorporated Areas, FEMA Flood Insurance Study No. 17083CV000A, dated April 2, 2009. A copy of Figure 05P is enclosed in Attachment 3.

Approximately 380 LF of the proposed pipeline and 0.93 acres of proposed temporary workspace are located within the Zone AE Floodway Fringe at this location. The only portion of the Project located within the Mississippi River regulatory floodway is the HDD pipeline crossing. Approximately 1,440 LF of pipeline is proposed to be installed within the Illinois portion of the regulatory floodway using the HDD method. No aboveground construction activities are proposed within the regulatory floodway.

Construction activities that will take place within the floodplain (floodway fringe) at this location include the HDD construction of the pipeline crossing and installation of the underground pipeline, temporary waterbars for surface water control, trench plugs for open trench water control, trench breakers for subsurface water control following pipeline installation, and construction of a temporary construction entrance and workspaces for project location access and temporary storage.

The pipeline crossing is intended to be open cut up to the HDD entry/exit point (Lat. 38.956822°, Long. -90.373921°). Boring of the crossing is estimated to take approximately 15 weeks. The contractor and Spire will monitor the weather forecast prior to and during construction of the HDD crossing. Following completion of the HDD crossing, the open cut portion of the trench will be backfilled and compacted to approximate original contours and the workspace will be returned to approximate original surface conditions with no permanent aboveground structures and no permanent encroachment or net fill placement within the floodplain. Any stabilized construction entrances within the floodplain will be constructed level with the existing ground surface by removing topsoil and placing gravel to bring the top of gravel surface elevation even with the existing surface. All excess material shall be placed outside of the floodplain area. Any fill placed within the limits of the floodplain shall not exceed the original elevations.

All construction within the regulatory floodway is proposed to be subsurface with no change in stream channel elevations. All work areas and trenched portions of the pipeline within the floodway fringe will be restored to approximate original contours. Therefore, no change to the cross section of the regulatory floodway or increase in base flood elevations is expected. A No-Rise Certification signed and sealed by an Illinois Professional Engineer for the Mississippi River crossing is enclosed in Attachment 4.

Additional Information

Spire has applied for United States Army Corps of Engineers (USACE) 404/401 permit coverage under Nationwide Permit 12 (NWP 12) (Project No. MVS-2016-582). The Project currently meets the conditions for automatic State of Illinois 401 water quality certification coverage under NWP 12. 404/401 Permit approval

from the USACE has not yet been received due to recent route changes elsewhere on the Project. Approval will be obtained prior to starting construction.

Spire has also applied for USACE Section 408 approval (Permission No. OD-R16-020) for the crossing of the Mississippi River. Section 408 approval from the USACE has not yet been received, however approval will be obtained prior to starting construction. A copy of these approvals can be provided to Jersey County once received.

Spire has applied to the Illinois Department of Natural Resources, Office of Water Resources (IDNR/OWR) for coverage under the IDNR/OWR Statewide Permit Nos. 6, 8, and 13. Authorization by IDNR/OWR was received for the Project on May 8, 2017. A copy of this approval has been included in Attachment 5.

A copy of the Spill Prevention, Control, and Countermeasure Plan for the Project is included in Attachment 6.

Spire plans to prepare a Flood Control Plan to outline procedures to be used in the event of a flood event during construction of the Project. This Flood Control Plan will be developed by Spire in conjunction with the contractor, once a contractor has been selected. A copy of this plan can be provided to Jersey County prior to construction to comply with the requirement for submittal of an Emergency Evacuation Plan noted on the permit application.

As per the stormwater development permit exemption letter received from Jersey County on September 22, 2017 and subsequent phone conversation on September 25, 2017, it is Spire's understanding that the fee for the Floodplain Commercial Development Permit has been waived.

Spire and GAI thank you in advance for your review of this information. If you have any questions regarding this submission, please feel free to contact me at 681.245.8854 or by e-mail at m.tanner@gaiconsultants.com.

Sincerely,

GAI Consultants, Inc.



Matthew T. Tanner, P.E.
Senior Project Engineer



Robin Weissert
Assistant Environmental Manager

MTT:RW/lmt

Attachment: Attachment 1 – Jersey County Commercial Development Permit Application
Attachment 2 – Floodplain Permit Figures
Attachment 3 – FEMA FIRMettes, Floodway Data Table, and Flood Profiles
Attachment 4 – No-Rise Certification Form
Attachment 5 – Illinois Department of Natural Resources Statewide Permit Approval
Attachment 6 – Spill, Prevention, Control and Countermeasure Plan



St. Charles County, Missouri



CONSOLIDATED NORTH COUNTY LEVEE DISTRICT

P. O Box 186
Portage Des Sioux, MO 63373

August 3, 2018

Letter of No Objection

Mr. Jeremy Eck
Department of the Army
St. Louis District, Corps of Engineers
1222 Spruce Street
St. Louis, Missouri 63103

Dear Jeremy,

On behalf of the Consolidated North County Levee District (the "District"), I write to notify you that the District is pleased to report that all of the issues and concerns previously raised by the District to Spire STL Pipeline LLC ("Spire") and the USACE have been satisfactorily resolved. We appreciate Spire's willingness to negotiate and resolve the construction and engineering issues associated with the Spire STL Pipeline Project (the "Project") as it relates to the District's levee. Thus, in accordance with applicable statutory and regulatory requirements and the District's Project Cooperation Agreement with the USACE ("PCA"), the District has no objection to the proposed Spire STL Pipeline Project (the "Project") as currently proposed.

As you know, Spire is currently seeking authorization from the Federal Energy Regulatory Commission ("FERC") pursuant to Section 7(c) of the Natural Gas Act to construct and operate the Project. The Project comprises approximately 65 miles of new, greenfield, 24-inch-diameter steel pipeline, crossing Scott, Greene, and Jersey Counties in Illinois and St. Charles and St. Louis Counties in Missouri. The Project's FERC-approved route will cross both the Mississippi and Missouri rivers.

The Project will cross a USACE resource at MP 45.6: a flood control levee along the Missouri River that is maintained by the District (the "District Levee"). The District Levee is approximately 41 miles in length and provides protection for about 37,500 acres of farmland and floodplain areas. The Project crossing requires a Section 408 Permission issued by the USACE. USACE will ensure that any proposed alteration of these resources will not be injurious to the public interest and will not affect the USACE project's ability to meet its authorized purpose. The District Levee will be crossed using horizontal direction drilling, thereby potentially reducing impacts from construction and operation of the Project.

Again, please consider this letter as notice under the USACE's Draft Engineering Circular 1165-2-220 and Director's Policy Memorandum Section 408—Interim Changes for Immediate Implementation and Future Policy Revisions dated 12 January 2018 and the PCA, that the District has no objection to the Project. The District requests the immediate issuance to Spire of a 408 Permission for a Missouri River crossing at the location of the District Levee.

Please do not hesitate to contact me with any questions you may have.

Sincerely,

A handwritten signature in black ink that reads "Kevin Machens". The signature is written in a cursive style with a large initial "K" and a long, sweeping underline.

Kevin Machens, President

Consolidated North County Levee District

Ali Trunzo

From: Matt Tanner
Sent: Thursday, May 10, 2018 9:51 AM
To: Gnecco, Rich
Cc: Ali Trunzo; Robin Weissert; Dohrman, Greg
Subject: RE: Pre-construction Meeting

Mr. Gnecco,

Yes. We will try to give you as much lead time as we can to give you time to coordinate.

Thanks

Matthew T. Tanner, P.E.

Senior Project Engineer

GAI Consultants, 300 Summers Street, Suite 1100, Charleston, WV 25301

T 304.926.8100 **D** 681.245.8854 **M** 304.963.3184

[Facebook](#) | [LinkedIn](#) | [Twitter](#) | [YouTube](#) | [News & Insights](#)



**ENGINEERING,
PLANNING, AND
ENVIRONMENTAL
CONSULTING SINCE 1958**

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

From: Gnecco, Rich [mailto:RGnecco@sccmo.org]
Sent: Wednesday, May 09, 2018 4:53 PM
To: Matt Tanner <M.Tanner@gaiconsultants.com>
Cc: Ali Trunzo <A.Trunzo@gaiconsultants.com>; Robin Weissert <R.Weissert@gaiconsultants.com>; Dohrman, Greg <GDohrman@sccmo.org>
Subject: Pre-construction Meeting

Matt:

One last request. It would be helpful to us to get as much lead time as possible in scheduling the pre-construction meeting. We have several groups/parties to coordinate with and having a few weeks to able to coordinate would be extremely helpful to us. Thank you for your consideration.

Regards,
Rich

Richard A. Gnecco, Jr.

Director Development Review Division

201 North Second Street, Rm 410

St. Charles, Missouri 63301

(636) 949-7900, ext. 7160

From: Matt Tanner [<mailto:M.Tanner@gaiconsultants.com>]
Sent: Wednesday, May 09, 2018 1:17 PM
To: Gnecco, Rich
Cc: Ali Trunzo; Robin Weissert
Subject: RE: Spire Pipeline Construction, Comment Letter

Mr. Gnecco,

You are correct. We will be providing copies of the 404/401 approvals and a copy of the E&S plan to be used during construction for your records. The schedule for construction is unknown at this time. The Project's Certificate from the FERC has been delayed and an exact time frame for receiving that is not yet known. Until that's issued, we won't be able to submit the final 404/401 approval. Once the Certificate is received, we can contact you regarding an updated schedule.

Thank you
Matthew T. Tanner, P.E.
Senior Project Engineer

GAI Consultants, 300 Summers Street, Suite 1100, Charleston, WV 25301
T 304.926.8100 **D** 681.245.8854 **M** 304.963.3184

[Facebook](#) | [LinkedIn](#) | [Twitter](#) | [YouTube](#) | [News & Insights](#)



GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

From: Gnecco, Rich [<mailto:RGnecco@sccmo.org>]
Sent: Monday, May 07, 2018 7:14 PM
To: Matt Tanner <M.Tanner@gaiconsultants.com>
Subject: FW: Spire Pipeline Construction, Comment Letter

Matt:

I am just following up on the status of this project. In addition to the items listed in the email below:

- We are waiting on the 404/401 permits to be issued (or the Environmental Assessment approval). Please provide a copy of these permits/approvals.
- We are waiting on a final plan submittal for ESC/Land Disturbance and natural watercourse crossings for approval.
- Highway SUP, P&Z Floodplain Permit, and Dev Rev Natural Watercourse/Buffer permits are all approved or issued.
- We will issue our Land Disturbance permit and distribute all other permits at the pre-construction meeting.

Please confirm or correct me on these issues and, if possible, could you give us an idea of when we may expect submission of the documentation and approximate date of the construction in our jurisdiction.

Regards,

Rich

Richard A. Gnecco, Jr.

Director Development Review Division
201 North Second Street, Rm 410
St. Charles, Missouri 63301
(636) 949-7900, ext. 7160



From: Gnecco, Rich

Sent: Tuesday, February 06, 2018 4:32 PM

To: 'Matt Tanner'

Cc: Ali Trunzo; Kuehler, Charles; Myers, Robert; Marr, Ellie; Wheeler, Keith; Mueller, Paul (PMueller@sccmo.org)

Subject: RE: Spire Pipeline Construction, Comment Letter

Matt:

You are correct – the pre-construction conference would only be required at the start of the project (we will issue all permits at that time); however, we may desire to meet with a contractor before commencing the activities associated with the watercourse crossings but the notification in #5 should address that. Everything else looks fine to all review agencies on our end.

Regards,
Rich

Richard A. Gnecco, Jr.

Director Development Review Division
201 North Second Street, Rm 410
St. Charles, Missouri 63301
(636) 949-7900, ext. 7160



From: Matt Tanner [<mailto:M.Tanner@gaiconsultants.com>]

Sent: Monday, February 05, 2018 3:01 PM

To: Gnecco, Rich

Cc: Ali Trunzo

Subject: FW: Spire Pipeline Construction, Comment Letter

Mr. Gnecco,

We are working to compile the notification requirements that Spire and the Contractor must comply with for the Spire STL Pipeline Project (Land Disturbance (LD17-000201), Natural Watercourse/Vegetated Buffer (NWC17-000019), and Floodplain Development (FP17-000096)). Our current summary for St. Charles County is included below. For the items below, we've assumed that the preconstruction conference will only be required at the start of the Project per your

Ali Trunzo

Subject: FW: Spire Pipeline Construction, Comment Letter

From: Gnecco, Rich [mailto:RGnecco@sccmo.org]
Sent: Tuesday, February 06, 2018 5:32 PM
To: Matt Tanner <M.Tanner@gaiconsultants.com>
Cc: Ali Trunzo <A.Trunzo@gaiconsultants.com>; Kuehler, Charles <CKuehler@sccmo.org>; Myers, Robert <RMyers@sccmo.org>; Marr, Ellie <EMarr@sccmo.org>; Wheeler, Keith <KWheeler@sccmo.org>; Mueller, Paul <PMueller@sccmo.org>
Subject: RE: Spire Pipeline Construction, Comment Letter

Matt:

You are correct – the pre-construction conference would only be required at the start of the project (we will issue all permits at that time); however, we may desire to meet with a contractor before commencing the activities associated with the watercourse crossings but the notification in #5 should address that. Everything else looks fine to all review agencies on our end.

Regards,
Rich

Richard A. Gnecco, Jr.
Director Development Review Division
201 North Second Street, Rm 410
St. Charles, Missouri 63301
(636) 949-7900, ext. 7160



From: Matt Tanner [mailto:M.Tanner@gaiconsultants.com]
Sent: Monday, February 05, 2018 3:01 PM
To: Gnecco, Rich
Cc: Ali Trunzo
Subject: FW: Spire Pipeline Construction, Comment Letter

Mr. Gnecco,

We are working to compile the notification requirements that Spire and the Contractor must comply with for the Spire STL Pipeline Project (Land Disturbance (LD17-000201), Natural Watercourse/Vegetated Buffer (NWC17-000019), and Floodplain Development (FP17-000096)). Our current summary for St. Charles County is included below. For the items below, we've assumed that the preconstruction conference will only be required at the start of the Project per your email on 10/11/17 (copy attached for reference). Can you please confirm whether this is correct or if we've missed any other notifications?

1. Supply in writing to the Director of Development Review the name and telephone number of all contractors and subcontractors and a twenty-four (24) hour telephone number of the permittee's designated agent supervising and directing all land disturbance activities on site.
2. Schedule a preconstruction conference with the Director of Development Review prior to the start of construction land disturbance activity. The Permittee will be responsible for notifying all contractors and other entities including utility crews that will perform work at the site to be in attendance.
3. Inspector of the Community Development Department shall be notified a minimum of 48 hours prior to the commencement of clearing, grading, and/or prior to the commencement of construction to arrange for an inspection of the site.
4. The Chief Inspector of the St. Charles County Highway Department shall be notified a minimum of 24 hours prior to the commencement of street, sewer, and/or utility construction.
5. In all areas of questionable soil stability such as sinkholes, ponds, marshy areas, etc., the Department shall be notified prior to commencement of grading so that these locations can be inspected.

Thank you for your assistance.

Matthew T. Tanner, P.E.

Senior Project Engineer

GAI Consultants, 300 Summers Street, Suite 1100, Charleston, WV 25301

T 304.926.8100 **D** 681.245.8854 **M** 304.963.3184

[Facebook](#) | [LinkedIn](#) | [Twitter](#) | [YouTube](#) | [News & Insights](#)



**ENGINEERING,
PLANNING, AND
ENVIRONMENTAL
CONSULTING SINCE 1958**

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

Ali Trunzo

Subject: FW: E-mail (General) - St Charles County

From: jgantner@sccmo.org [<mailto:jgantner@sccmo.org>]

Sent: Friday, February 02, 2018 2:29 PM

To: Matt Tanner <M.Tanner@gaiconsultants.com>

Subject: E-mail (General) - St Charles County

Matt;
The modified plans you have submitted are acceptable make sure you include these with the final sets for approval.

Joseph M. Gantner
Plan Reviewer
636-949-7900 x7143

FILE #: 17-009878

Address: , ,

Online Portal of St. Charles County, Missouri



Ali Trunzo

From: Matt Tanner
Sent: Thursday, February 01, 2018 10:25 AM
To: Marr, Ellie
Cc: Ali Trunzo
Subject: Spire STL Pipeline - St. Charles County Floodplain Permit Application
Attachments: 2018-02-01 St. Charles Co. Floodplain Permit Mod..pdf

Ms. Marr,

Please see the attached letter regarding an update to the proposed workspace for the Spire STL Pipeline Project for the Floodplain Development Permit.

Thank you

Matthew T. Tanner, P.E.

Senior Project Engineer

GAI Consultants, 300 Summers Street, Suite 1100, Charleston, WV 25301

T 304.926.8100 **D** 681.245.8854 **M** 304.963.3184

[Facebook](#) | [LinkedIn](#) | [Twitter](#) | [YouTube](#) | [News & Insights](#)



**ENGINEERING,
PLANNING, AND
ENVIRONMENTAL
CONSULTING SINCE 1958**

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

Ali Trunzo

From: Matt Tanner
Sent: Thursday, February 01, 2018 10:24 AM
To: Gantner, Joe
Cc: Ali Trunzo
Subject: Spire Pipeline Construction
Attachments: 2018-02-01 St. Charles Co. Watercourse Permit Mod..pdf

Mr. Gantner,

Please see the attached letter regarding a small modification to the proposed Spire STL Pipeline Project for the Natural Watercourse Permit.

Thank you

Matthew T. Tanner, P.E.
Senior Project Engineer

GAI Consultants, 300 Summers Street, Suite 1100, Charleston, WV 25301

T 304.926.8100 **D** 681.245.8854 **M** 304.963.3184

[Facebook](#) | [LinkedIn](#) | [Twitter](#) | [YouTube](#) | [News & Insights](#)



**ENGINEERING,
PLANNING, AND
ENVIRONMENTAL
CONSULTING SINCE 1958**

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

Ali Trunzo

From: Gantner, Joe <JGantner@sccmo.org>
Sent: Wednesday, January 31, 2018 11:33 AM
To: Matt Tanner
Cc: Ali Trunzo
Subject: RE: Spire Pipeline Construction, Comment Letter

Matt;

There are no other requirements that the County approve the contractors to be used.

Best Regards,
Joe

Joseph M. Gantner, CFM
Plan Review Engineer II
Development Review Division
636-949-7900 extension 7143
Email: jgantner@sccmo.org
Web: www.sccmo.org



From: Matt Tanner [mailto:M.Tanner@gaiconsultants.com]
Sent: Wednesday, January 31, 2018 8:39 AM
To: Gantner, Joe
Cc: Ali Trunzo
Subject: RE: Spire Pipeline Construction, Comment Letter

Mr. Gantner,

A question has come up regarding County approvals of the contractors to be used for construction of the Spire pipeline project. Other than a business or contractor's license, are there any other requirements that the County approve the contractors to be used? I read in the ordinance that all contractors are to attend the pre-construction meeting and that Spire is required to submit the names and telephone numbers of contractors prior to construction. However, I didn't find anything that stated that the contractors needed to be approved by the County.

Thank you

Matthew T. Tanner, P.E.
Senior Project Engineer

GAI Consultants, 300 Summers Street, Suite 1100, Charleston, WV 25301
T 304.926.8100 **D** 681.245.8854 **M** 304.963.3184

[Facebook](#) | [LinkedIn](#) | [Twitter](#) | [YouTube](#) | [News & Insights](#)



**ENGINEERING,
PLANNING, AND
ENVIRONMENTAL
CONSULTING SINCE 1958**

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

From: jgantner@sccmo.org [<mailto:jgantner@sccmo.org>]
Sent: Wednesday, January 24, 2018 10:18 AM
To: Matt Tanner <M.Tanner@gaiconsultants.com>
Cc: mfranks@projectconsulting.com; Castor.Armesto@spireenergy.com; ckuehler@sccmo.org
Subject: Spire Pipeline Construction, Comment Letter

January 24, 2018

RE: SPIRE PIPELINE CONSTRUCTION -
LD17-000201 - Interim Grading/Sediment & Erosion Control

Dear Matt Tanner:

We have completed our review of your firm's design of the interim grading/sediment & erosion control plans for SPIRE PIPELINE CONSTRUCTION, received in our office on 01/16/2018. Before our approval can be granted, the following comments must be addressed:

Submission: 01/16/2018 , Completion: , Status:

Reviewer: Joseph M. Gantner, Development Review - 636-949-7900 x7143 (jgantner@sccmo.org)

1. **Required** - A determination must be made by the Army Corps of Engineers as to whether a 404 permit will be required for the proposed pipeline construction within the designated wetland areas. Provide a copy of their response. Provide copies of 404 and 401 permits if they must be obtained from the Corps of Engineers and the Missouri Department of Natural Resources. Show the location(s) of all mitigation area(s) and conservation easements proposed to meet the USACE mitigation requirements.
2. **Required** - The pull area that crosses Portage Road may require further details, phasing instructions etc.. Please contact St. Charles County Highway Department concerning their requirements and if any road interruptions are planned as a part of this operation.

If you have any further comments or questions regarding this project, please feel free to contact me at our office.

Sincerely,

Joseph M. Gantner, CFM
Plan Review Engineer II

telephone log



gai consultants

Date: 01/25/2018

Project / Admin. No.: E160438.00

Call From: Matt Tanner

Company: GAI Consultants

Phone No.: 681-245-8854

Call To: Joseph Gantner

Company: St. Charles County, Missouri

Phone No.: 636-949-7900 x 7143

Subject: Permit Comments

cc:

Summary of Discussion, Decisions, and Commitments:

I spoke with Joseph Gantner at St. Charles County this morning. He said that he spoke with his director, Rich Gnecco, about the 404 permit approval. He said that at this time, they will need to receive a copy of the Corps permit approval to issue their permit. When he asked about schedule for starting construction, I told him that they are currently planning to begin tree clearing in March or April. He said that if we start getting tight against the construction start date and we haven't yet received approval from the Corp, then we can talk with Mr. Gnecco about the County issuing their permit with the condition that Corps approval be provided prior to starting construction.

Mr. Gantner said that he will be retiring next Friday (2/2). After this we'll need to talk with Mr. Gnecco.

Ali Trunzo

Subject: FW: Spire Pipeline Construction, Comment Letter

From: jgantner@sccmo.org
Sent: Wednesday, January 24, 10:22 AM
Subject: Spire Pipeline Construction, Comment Letter
To: Matt Tanner
Cc: mfranks@projectconsulting.com, castor.armesto@spireenergy.com, ckuehler@sccmo.org

January 24, 2018

RE: SPIRE PIPELINE CONSTRUCTION -
LD17-000201 - Interim Grading/Sediment & Erosion Control

Dear Matt Tanner:

We have completed our review of your firm's design of the interim grading/sediment & erosion control plans for SPIRE PIPELINE CONSTRUCTION, received in our office on 01/16/2018. Before our approval can be granted, the following comments must be addressed:

Submission: 01/16/2018 , Completion: , Status:

Reviewer: Joseph M. Gantner, Development Review - 636-949-7900 x7143 (jgantner@sccmo.org)

Required - A determination must be made by the Army Corps of Engineers as to whether a 404 permit will be required for the proposed pipeline construction within the designated wetland areas. Provide a copy of their response. Provide copies of 404 and 401 permits if they must be obtained from the Corps of Engineers and the Missouri Department of Natural Resources. Show the location(s) of all mitigation area(s) and conservation easements proposed to meet the USACE mitigation requirements. **Required** - The pull area that crosses Portage Road may require further details, phasing instructions etc.. Please contact St. Charles County Highway Department concerning their requirements and if any road interruptions are planned as a part of this operation.

If you have any further comments or questions regarding this project, please feel free to contact me at our office.

Sincerely,

Joseph M. Gantner, CFM
Plan Review Engineer II



Charleston Office
300 Summers Street
Suite 1100
Charleston, West Virginia 25301

T 304.926.8100
F 304.926.8180

January 22, 2018

Project E160438.00, Task 006.004

Ms. Ellie Marr, CFM
Senior Planner – Planning & Zoning Division
St. Charles County
201 North Second Street, Room 410
St. Charles, Missouri 63301

**St. Charles County Floodplain Development Permit Application Fee
Spire STL Pipeline LLC
Spire STL Pipeline
Scott, Greene, and Jersey Counties, Illinois
and St. Charles and St. Louis Counties, Missouri**

Dear Ms. Marr:

On behalf of Spire STL Pipeline, LLC. (Spire), GAI Consultants, Inc. submits the enclosed check (no. 404734) in the amount of \$60.00 for the fee associated with the St. Charles County Floodplain Development Permit application for the Spire STL Pipeline Project in St. Charles County, Missouri.

Spire and GAI thank you in advance for your review of this information. If you have any questions, please feel free to contact me at 681.245.8854 or by e-mail at m.tanner@gaiconsultants.com.

Sincerely,

GAI Consultants, Inc.

Matthew T. Tanner, P.E.
Senior Project Engineer

MTT/lmt

Enclosed: Check No. 404734

Ali Trunzo

Subject: FW: Proposed SCCMO road closures for Spire pipeline project
Attachments: Typical Application 8.pdf; Typical Application 20.pdf;
8.22.17PortageRoadToCloseBetweenReesAndWeberLakeStartingAugust 28.pdf

From: Gantner, Joe [<mailto:JGantner@sccmo.org>]
Sent: Thursday, January 18, 2018 2:09 PM
To: Matt Tanner <M.Tanner@gaiconsultants.com>
Subject: FW: Proposed SCCMO road closures for Spire pipeline project

FYI

From: Kuehler, Charles
Sent: Thursday, January 18, 2018 12:53 PM
To: Gantner, Joe
Subject: FW: Proposed SCCMO road closures for Spire pipeline project

Joe,

Project Consulting Services, Inc. will need to close two streets for this pipeline project. We talked at length regarding the difficulties of communicating this thru the County and herewith I gave them extra help so they can get their Temporary Traffic Control plans in place.

Next week they will use Citizenserve to re-apply for the bore crossing permits (9) and driveway approach permits (3). Doing so will closely align their applications with GAI Consultants permits.

I'll need to wait until next week before I can issue the easiest permits. Review and approval for the two (2) remaining permits involving detour routes will have to wait until they provide acceptable detour plans.

Charlie

From: Kuehler, Charles
Sent: Thursday, January 18, 2018 11:26 AM
To: 'Franks,Michael'
Subject: Proposed SCCMO road closures for Spire pipeline project

Mr. Franks,

Thanks for the update regarding the proposed Spire pipeline construction in St. Charles County.

Attached please find two (2) examples of signage placement for detours at road closures. These layouts are examples only and your proposals shall provide real world details of the proposed signage for both closures. The third attachment is a recent press release that was issued on a closure similar to what you are proposing.

The Temporary Traffic Control plan for Portage Rd shall show a map of the proposed sign placement with named streets and arrow placement as required. Because Mintert Rd is a Dead End street, signage plus standby plans shall be proposed to get residents and first responders past the point of road closure at all times. We had a similar case with the Railroads and they provided equipment that could quickly place enough gravel over the closure that could immediately

be leveled to provide crossings in case of emergency. Other solutions could be proposed if the closure is only isolating agricultural land but a traffic control plans shall submitted in either case.

Colene McEntee, Communications Manager or Mary Enger, Director, SCCMO Department of Communications shall be contacted with details of the proposed press releases on these detours. They can be reached at 636-949-1864. Please be prepared to provide as much information as necessary to that department for these notices. These notices shall be issued no less than 21-days before the proposed closure.

Sincerely,

Charles Kuehler
Highway Project Engineer
636-949-7305



Ali Trunzo

From: Marr, Ellie <EMarr@sccmo.org>
Sent: Wednesday, January 17, 2018 10:07 AM
To: Matt Tanner
Cc: Ali Trunzo
Subject: RE: Spire STL Pipeline - St. Charles County Floodplain Permit Application

I will issue the floodplain permit when the land disturbance and watercourse permits are approved. A \$60 permit fee is required prior to issuance.

Ellie

From: Matt Tanner [mailto:M.Tanner@gaiconsultants.com]
Sent: Wednesday, January 17, 2018 7:29 AM
To: Marr, Ellie
Cc: Ali Trunzo
Subject: Spire STL Pipeline - St. Charles County Floodplain Permit Application

Ms. Marr,

I wanted to follow up with you on the status of the Spire STL Pipeline St. Charles County Floodplain Development Permit application (11/27/2017). We received comments from Mr. Joe Gantner regarding the land disturbance and watercourse permits on December 19, 2017. Our comment response to Mr. Gantner was submitted last Friday (1/12/18). We were unsure whether Mr. Gantner's review would have also included the floodplain permit or whether the final permit approval would be held until all County permits are approved. Please let us know if there are any outstanding questions or pieces of information that are needed.

Thank you

Matthew T. Tanner, P.E.
Senior Project Engineer

GAI Consultants, 300 Summers Street, Suite 1100, Charleston, WV 25301
T 304.926.8100 **D** 681.245.8854 **M** 304.963.3184

[Facebook](#) | [LinkedIn](#) | [Twitter](#) | [YouTube](#) | [News & Insights](#)



**ENGINEERING,
PLANNING, AND
ENVIRONMENTAL
CONSULTING SINCE 1958**

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

Ali Trunzo

From: Matt Tanner
Sent: Friday, January 12, 2018 9:19 AM
To: Ali Trunzo
Subject: Project: E160438.00 - Spire - STL Pipeline Proj - File Transfer - Comment Response - SPIRE PIPELINE CONSTRUCTION - LD17-000201 - Interim Grading/Sediment & Erosion C

Note: You have been CC'd on this notification.

IMPORTANT: Click a link below to access files associated with this transmittal that came in through the GAI Consultants, Inc. Info Exchange web site.

[View the transmittal in Newforma Project Center](#)

Additional links:

[Download all associated files](#)

[Sign in to the GAI Consultants, Inc. Info Exchange site](#)

[Configure cloud storage delivery](#)

[Reply to All](#)

Project Name: E160438.00 - Spire - STL Pipeline Proj
Project Number: E160438.00

From: Matt Tanner (GAI Consultants, Inc.)
To: JGantner@sccmo.org
CC: Ali Trunzo (GAI Consultants, Inc.); lmferry@burnsmcd.com; Robin Weissert (GAI Consultants, Inc.)
Subject: Comment Response - SPIRE PIPELINE CONSTRUCTION - LD17-000201 - Interim Grading/Sediment & Erosion Control
Sent via: Info Exchange
Expiration Date: 2/12/2018
Remarks: Mr. Gantner,

Please follow the link below to a PDF version of the response to your comments received via email on December 19, 2017. A hard copy version, including the check for the base inspection fee, was sent out yesterday via FedEx and should arrive at your office this morning.

Thank you
Matthew T. Tanner, P.E.
Senior Project Engineer

GAI Consultants, 300 Summers Street, Suite 1100, Charleston, WV 25301
T 304.926.8100 **D** 681.245.8854 **M** 304.963.3184

[Facebook](#) | [LinkedIn](#) | [Twitter](#) | [YouTube](#) | [News & Insights](#)



**ENGINEERING,
PLANNING, AND
ENVIRONMENTAL
CONSULTING SINCE 1958**

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

Transferred Files

NAME	TYPE	DATE	TIME	SIZE
<u>2018-01-11 Spire STL Pipeline - St Charles RTC.pdf</u>	PDF File	1/11/2018	5:00 PM	13,134 KB
<u>Transmittal - 00099.pdf</u>	PDF File	1/12/2018	9:18 AM	75 KB

Notification generated by [Newforma Info Exchange](#)



January 11, 2018

Project E160438.00, Task 008.008

Mr. Joseph Gantner, CFM
Plan Review Engineer II
St. Charles County
Development Review Division
201 North Second Street
Suite 433
St. Charles, Missouri 63301-2869

**St. Charles County Response to Comments
Spire STL Pipeline LLC
Spire STL Pipeline
Scott, Greene, and Jersey Counties, Illinois
and St. Charles and St. Louis Counties, Missouri**

Dear Mr. Gantner:

GAI Consultants, Inc. (GAI), on behalf of Spire STL Pipeline, LLC ("Spire"), is providing the following responses to the comments received via email on December 19, 2017 regarding the Spire STL Pipeline Project ("Project") (St. Charles County Ref.: Spire Pipeline Construction-LD17-000201 - Interim Grading/Sediment & Erosion Control). For ease of review, we have provided your comments in italics, followed by our responses.

Comment 1: Please provide the details which will be used in protection of the natural watercourse crossings.

Response 1: As requested, the proposed detail sheets showing erosion and sediment control best management practices to be utilized during construction of the Project are provided in Attachment 1.

*Comment 2: **Required** - A payment of base inspection fee of \$150.00 is needed.*

Response 2: A check in the amount of \$150.00 for the base inspection is provided in Attachment 2 (Check No. 404698).

*Comment 3: **Required** - Any proposed improvements for the access road that are inside the vegetative buffer at 6757 Portage Road may require coordination with the St. Charles County Sediment and Erosion Control Inspector to insure that the integrity of the vegetative buffer is maintained.*

Response 3: Spire understands that any proposed improvements for the access road (PAR-018) that are inside the vegetative buffer at 6757 Portage Road may require coordination with the St. Charles County Sediment and Erosion Control Inspector. Spire's understanding is that the vegetative buffer for the streams adjacent to this access road include areas that are within 25 feet of the stream top of bank. Spire will notify the County Inspector if it is determined that improvements to the access road will be required within the vegetative buffer. Spire assumes that application of gravel within the existing width of the road for routine maintenance will not require coordination with the inspector.

*Comment 4: **Required** - A determination must be made by the Army Corps of Engineers as to whether a 404 permit will be required for the proposed pipeline construction within the designated wetland areas. Provide a copy of their response. Provide copies of 404 and 401 permits if they must be obtained from the Corps of Engineers and the Missouri Department of Natural Resources. Show the location(s) of all mitigation area(s) and conservation easements proposed to meet the USACE mitigation requirements.*

Response 4: Spire and GAI have been working with Mr. David Meyer at the United States Army Corps of Engineers (USACE) St. Louis District for 404 permitting of the Project's proposed stream and wetland impacts. Spire has applied for coverage under USACE Nationwide Permit 12 ("NWP 12") (Project

No. MVS-2016-582). The Project currently meets the conditions for programmatic State of Missouri ("MO") 401 water quality certification coverage under NWP 12. Section 404/401 Permit approval from the USACE has not yet been received. However, approval will be obtained prior to starting construction. A copy of this approval will be provided to St. Charles County once received.

Spire recently purchased wetland mitigation credits (0.84-acre in MO) to fulfill the NWP 12 mitigation requirement for the proposed impacts. Purchase of stream mitigation credits is not currently required for the Project. The wetland mitigation credits were purchased from:

Rosedale Wetland Bank
Bank Sponsor
Rosedale Mitigation LLC
P.O. Box 176
St Peters, MO 63376

*Comment 5: **Required** - The pull area that crosses Portage Road may require further details, phasing instructions etc. Additional road access is shown on the erosion and sediment control plans (Portage Rd, Dwiggins Rd and Mintert Rd). Further explanation is required on how these points of access will be used and if any road interruptions are planned as a part of this operation. Please contact St. Charles County Highway Department concerning their requirements.*

Response 5: Another consultant, Project Consulting Services, Inc. ("PCS"), has been in contact with Mr. Charlie Kuehler at the St. Charles County Highway Department on Spire's behalf with required road permitting for the Project. PCS had previously submitted information regarding the proposed points of access and road encroachments. Mr. Kuehler has requested that PCS provide additional information regarding proposed road closures. PCS plans to include the requested information with their upcoming submittals.

Comment 6: These comments are subject to internal quality review. We will inform your office if there are any modifications to these comments. The requirements outlined in this letter are to be addressed within a six month time period. If a revised development plan is not submitted within that time and we are not contacted for an extension of time, the project file will be closed and archived. Projects submitted after being archived or projects that have been radically redesigned shall be treated as new projects and they will be assessed new review fee and permits accordingly.

Response 6: Spire acknowledges and understands the requirements stated in this comment.

Spire and GAI thank you in advance for your review of this information. A PDF copy of this comment response submittal will also be provided via email. Should you have any questions or require additional information, please feel free to contact Mr. Matthew Tanner at 681.245.8854 or by e-mail at m.tanner@gaiconsultants.com.

Sincerely,

GAI Consultants, Inc.



Matthew T. Tanner, PE
Senior Project Engineer



Robin D. Weissert
Assistant Environmental Manager

MTT:RDW/gmg

Attachments: Attachment 1 (Detail Sheets) and Attachment 2 (\$150.00 Base Inspection Fee Check No. 404698)

cc: Mr. Russ English, Spire STL Pipeline, LLC
Ms. Lori M. Ferry, Burns and McDonnell

Ali Trunzo

Subject: FW: signed permita /Spire Pipeline
Attachments: [Untitled].pdf

From: Janet Neustadt [<mailto:janetneustadt@gmail.com>]
Sent: Monday, January 08, 2018 12:45 PM
To: Matt Tanner <M.Tanner@gaiconsultants.com>
Subject: Fwd: signed permita /Spire Pipeline

Please see forwarded attachment

Janet

----- Forwarded message -----

From: Mercy Clinic Internal Medicine - North County <hpmfp@mercy.net>
Date: Mon, Jan 8, 2018 at 6:39 PM
Subject: signed permita /Spire Pipeline
To: "janetneustadt@gmail.com" <janetneustadt@gmail.com>

--

Janet

Janet M. Neustadt, Floodplain Administrator
City of West Alton, Missouri
Phone: 314-956-6707
Fax: 314-899-1734

CITY OF WEST ALTON
LAND USE PERMIT

Land Use permit # 2017, 11-21-17

Zoning District _____

Property Owner Name Spire STL Pipeline LLC

Location of Property HDD Site Located off of Mintert Road, West Alton, MO (38.850798°N, 90.236154°W)

Sewage Disposal? Public N/A Private N/A / Water? Public N/A Private N/A

Description of Work Construction of 4.6 miles of new 24-inch dia. natural gas transmission pipeline. The pipeline crossing of the Missouri River will be constructed using a horizontal directional drilling (HDD) technique. No permanent aboveground structures proposed.

Specific type _____

Structure size N/A (sq ft) Height of structure N/A (ft)

Garage size N/A (sq ft) Comm/Ind/Pub Industrial

Set back (Note: On corner lots: 2 front yards and a plot plan are required)

Front yard N/A (ft) Side yard N/A (ft) Rear yard N/A (ft)

Front yard N/A (ft) Side yard N/A (ft)

Lot width at building line N/A (ft) Parcel / Lot size N/A

Parcel / lot has frontage on road of record ? (yes or no) N/A

Has the subdivision plat been recorded ? (yes or no) N/A (X=N/A)

Number of dwellings on property N/A (only one dwelling is allowed except for multiple family zoning districts)

Is a site plan required ? (yes or no) Yes Date approved _____

Is the building in the 100 year flood plain ? (yes or no) Yes

Variance required ? (yes or no) No Date approved _____

NOTE: A SKETCH OR PLAN OF THE PROPOSED SITE DEVELOPMENT, MAY BE REQUIRED. THE APPLICANT SHOULD CHECK WITH ST. CHARLES COUNTY RECORDS OFFICE FOR ANY DEED OR SUBDIVISION RESTRICTIONS. THIS PERMIT IS ISSUED WITH THE CONDITION AND UNDERSTANDING THAT THE APPLICANT COMPLIES WITH ALL EXISTING FEDERAL, STATE AND COUNTY LAWS. THE SIGNATURES ATTEST THAT THE INFORMATION SUPPLIED BY THE APPLICANT IS CORRECT, AND THE STRUCTURE FOR WHICH THIS PERMIT IS ISSUED WILL COMPLY WITH ALL REGULATIONS, RESTRICTIONS, AND CONDITIONS SPECIFIED HEREIN.

Spire STL Pipeline LLC
Owner if other than applicant

Carter J. Amato General Counsel
Signature of applicant

Jarret M. Neestadt
Permit approved by Commissioner

11-21-17
Date approved

FLOODPLAIN DEVELOPMENT PERMIT/APPLICATION

Application # 2017-11-21-17

Date 11-21-17

TO THE ADMINISTRATOR: The undersigned hereby makes application for a Permit to develop in a floodplain. The work to be performed, including flood protection works, is as described below and in attachments hereto. The undersigned agrees that all such work shall be done in accordance with the requirements of the Floodplain Management Ordinance and will all other applicable county/city ordinances and the laws and regulations of the State of Missouri.

Spire STL Pipeline LLC	11/21/17	Contractor not yet selected
Owner or Agent	Date	Builder
700 Market Street, St. Louis, MO 63101		
Address		
314-956-5221 (Russel English, Spire Project Manager)		
Phone		

SITE DATA

38.850798°N, 90.236154°W (Land Grant 1838. Township, Range and Section Not Available.)

1. Location: _____ 1/4; _____ 1/4; Section _____; Range _____; Township _____
Street Address HDD Site Located off of Mintert Road, West Alton, MO (38.850798°N, 90.236154°W)
2. Type of Development: Filling _____ Grading _____ Excavation _____ Min Improvement _____
Routine Maint _____ Substantial Improv _____ New Const. Other Pipeline construction
3. Description of Development: Construction of new 24-inch dia. natural gas transmission pipeline. The pipeline crossing of the Missouri River will be constructed using a horizontal directional drilling (HDD) technique.
4. Premises: Structure size N/A ft. x N/A ft. Area of site 73.65 acres sq. ft.
Principal use Natural gas transmission. Accessory uses (storage, parking, etc.) _____
5. Value of Improvement (fair market) \$ 10,850,000 Pre-improvement/Assessed value of structure \$ N/A
6. Property located in a designated FLOODWAY? Yes No _____

IF ANSWERED YES, CERTIFICATION MUST BE PROVIDED PRIOR TO THE ISSUANCE OF A PERMIT TO DEVELOP, THAT THE PROPOSED DEVELOPMENT WILL RESULT IN NO INCREASE IN THE BASE FLOOD (100-YEAR) ELEVATION.

7. Property located in a designated floodplain FRINGE? Yes No _____
8. Elevation of the 100-year flood (ID source) At HDD Workspace 438.4 FT NAVD88 (FIS No. 29183CV002B, Rev. MSL/NGVD Jan. 20, 2016)
9. Elevation of the proposed development site Varies along pipeline. Elev. at HDD Entry/Exit Pt. 426.6 ft NAVD88 MSL/NGVD
10. Elevation/floodproofing requirement N/A, Site restored to existing contours following installation. MSL/NGVD
11. Other floodplain elevation information (ID and describe source)
N/A

12. Other permits required? Corps of Engineer 404 Permit: Yes No _____ Provided _____
State Dept. of Natural Resources: Yes _____ No Provided _____
- _____ All provisions of Ordinance _____ Floodplain Management Ordinance shall be in compliance.

PERMIT APPROVAL/DENIAL

Plans and Specifications As Approved Approved/Denied this 21st Day of November 2017

Castor Armesto Signature of Developer/Owner JANET M. NEUSTADT Authorizing Official

Castor Armesto, General Counsel Print Name and Title JANET M. NEUSTADT Floodplain Admin Print Name and Title City of West Alton, MO

THIS PERMIT ISSUED WITH THE CONDITION THAT THE LOWEST FLOOR (INCLUDING BASEMENT FLOOR) OF ANY NEW OR SUBSTANTIALLY-IMPROVED RESIDENTIAL BUILDING WILL BE ELEVATED _____ FOOT/FEET ABOVE THE BASE FLOOD ELEVATION. IF THE PROPOSED DEVELOPMENT IS A NON-RESIDENTIAL BUILDING, THIS PERMIT IS ISSUED WITH THE CONDITION THAT THE LOWEST FLOOR (INCLUDING BASEMENT) OF A NEW OR SUBSTANTIALLY-IMPROVED NON-RESIDENTIAL BUILDING WILL BE ELEVATED OR FLOODPROOFED _____ FOOT/FEET ABOVE THE BASE FLOOD ELEVATION.

THIS PERMIT IS USED WITH THE CONDITION THAT THE DEVELOPER/OWNER WILL PROVIDE CERTIFICATION BY A REGISTERED ENGINEER, ARCHITECT, OR LAND SURVEYOR OF THE "AS-BUILT" LOWEST FLOOR (INCLUDING BASEMENT) ELEVATION OF ANY NEW OR SUBSTANTIALLY-IMPROVED BUILDING COVERED BY THIS PERMIT.

Ali Trunzo

Subject: FW: FW: Project: E160438.00 - Spire - STL Pipeline Proj - File Transfer - Spire STL Pipeline - City of West Alton Land Use and Floodplain Permit Submittal

From: Matt Tanner
Sent: Monday, January 08, 2018 11:18 AM
To: Janet Neustadt <janetneustadt@gmail.com>
Cc: Ferry, Lori M <lmferry@burnsmcd.com>; Robin Weissert <R.Weissert@gaiconsultants.com>; Ali Trunzo <A.Trunzo@gaiconsultants.com>
Subject: RE: FW: Project: E160438.00 - Spire - STL Pipeline Proj - File Transfer - Spire STL Pipeline - City of West Alton Land Use and Floodplain Permit Submittal

Ms. Neustadt,

It's no trouble at all. I just resent the original email with the application documents. Please let me know if you don't receive it.

Thank you
Matthew T. Tanner, P.E.
Senior Project Engineer

GAI Consultants, 300 Summers Street, Suite 1100, Charleston, WV 25301
T 304.926.8100 **D** 681.245.8854 **M** 304.963.3184

[Facebook](#) | [LinkedIn](#) | [Twitter](#) | [YouTube](#) | [News & Insights](#)



GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

From: Janet Neustadt [<mailto:janetneustadt@gmail.com>]
Sent: Monday, January 08, 2018 11:09 AM
To: Matt Tanner <M.Tanner@gaiconsultants.com>
Subject: Re: FW: Project: E160438.00 - Spire - STL Pipeline Proj - File Transfer - Spire STL Pipeline - City of West Alton Land Use and Floodplain Permit Submittal

Hi Matt:

Sorry for delayed responses as it has been very hectic with issues at my work. I would like to request you to resend your email containing the Land Use Permit and the Floodplain Development Permit. I had printed and signed and left for City Clerk to email signed copy. She has been out sick during the holidays and misplaced those documents. I did not realize until I went this past weekend to follow-up on the status. If you could fax to me I can reprint and sign today and return to you. You can have them for your files but will not need them for verification during the project. I would have reprinted but the documents are time sensitive and cannot be reprinted.

Thank you for your patience and sorry for any inconvenience with this request.

Janet Neustadt, RN, BSN, Practice Administrator
Mercy Clinic Internal and Family Medicine North County

Floodplain Administrator City of West Alton Missouri
Cell: 314-956-6707

On Wed, Jan 3, 2018 at 12:17 PM, Matt Tanner <M.Tanner@gaiconsultants.com> wrote:

Ms. Neustadt,

Thank you for getting back with me. Is there a hard copy approval document for either land use or floodplain development permits that Spire will need to have available during construction?

Sincerely

Matthew T. Tanner, P.E.
Senior Project Engineer

[300 Summers Street, Suite 1100, Charleston, WV 25301](#)

T [304.926.8100](tel:304.926.8100) **D** [681.245.8854](tel:681.245.8854) **M** [304.963.3184](tel:304.963.3184)

Connect with GAI | [Facebook](#) | [LinkedIn](#) | [Twitter](#) | [YouTube](#) | [News & Insights](#)



GAI Consultants provides local expertise to worldwide clients in the energy, transportation, development, government, and industrial markets.

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

From: Janet Neustadt [mailto:janetneustadt@gmail.com]

Sent: Wednesday, January 03, 2018 12:33 PM

To: Matt Tanner <M.Tanner@gaiconsultants.com>

Subject: Re: FW: Project: E160438.00 - Spire - STL Pipeline Proj - File Transfer - Spire STL Pipeline - City of West Alton Land Use and Floodplain Permit Submittal

Mr. Tanner:

You are good with the City of West Alton. Thank you for your prompt response.

Janet Neustadt, Floodplain Administrator City of West Alton Missouri

On Thu, Dec 28, 2017 at 8:58 AM, Matt Tanner <M.Tanner@gaiconsultants.com> wrote:

Ms. Neustadt,

I am writing to follow up on the Land Use and Floodplain Development Permit applications submitted for the Spire STL Pipeline Project on November 21st. Please let me know if there are any questions or additional pieces of information that you require for approval of the permits.

Thank you

Matthew T. Tanner, P.E.
Senior Project Engineer

[300 Summers Street, Suite 1100, Charleston, WV 25301](#)

T [304.926.8100](tel:304.926.8100) D [681.245.8854](tel:681.245.8854) M [304.963.3184](tel:304.963.3184)

Connect with GAI | [Facebook](#) | [LinkedIn](#) | [Twitter](#) | [YouTube](#) | [News & Insights](#)



GAI Consultants provides local expertise to worldwide clients in the energy, transportation, development, government, and industrial markets.

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

telephone log



gai consultants

Date: 1/3/2018

Project / Admin. No.: E160438.00

Call From: Matt Tanner

Company: GAI Consultants

Phone No.: 681-245-8854

Call To: Joseph Gantner

Company: St. Charles County, Missouri

Phone No.: 636-949-7900 x 7143

Subject: Permit Comments

cc:

Summary of Discussion, Decisions, and Commitments:

I spoke with Joseph Gantner to get clarification on the 404 and road crossing comments. He said that he'd be ok with us responding that we have applied for the 404 permits and have been talking with the Corps about the project. He asked that we provide the name of the mitigation bank in the response as well as who we've been talking to at the Corps. It sounded like it would not necessarily hold up permit approval if we've not received 404 approval. They primarily want to make sure that we're talking to the Corps.

I also asked him for clarification on the pullback area road crossing comment. I told him that another consultant was submitting the applications for the road crossing/special use permits. He said that Charlie Kueler at the County Highway Department had been talking with another company about the project, but that they had not provided information on how the crossing will be addressed (ie. Will the road require closure? If so, how long? Will there be a detour?). He said that this is really their main concern. He said that they weren't as concerned about the other comments.

Ali Trunzo

From: Matt Tanner
Sent: Thursday, December 28, 2017 9:58 AM
To: janetneustadt@gmail.com
Cc: jfarley1917@aol.com; Ali Trunzo; Ferry, Lori M; Robin Weissert
Subject: FW: Project: E160438.00 - Spire - STL Pipeline Proj - File Transfer - Spire STL Pipeline - City of West Alton Land Use and Floodplain Permit Submittal

Ms. Neustadt,

I am writing to follow up on the Land Use and Floodplain Development Permit applications submitted for the Spire STL Pipeline Project on November 21st. Please let me know if there are any questions or additional pieces of information that you require for approval of the permits.

Thank you

Matthew T. Tanner, P.E.
Senior Project Engineer

300 Summers Street, Suite 1100, Charleston, WV 25301
T 304.926.8100 **D** 681.245.8854 **M** 304.963.3184

Connect with GAI | [Facebook](#) | [LinkedIn](#) | [Twitter](#) | [YouTube](#) | [News & Insights](#)



**ENGINEERING,
PLANNING, AND
ENVIRONMENTAL
CONSULTING SINCE 1958**

GAI Consultants provides local expertise to worldwide clients in the energy, transportation, development, government, and industrial markets.

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

From: Ali Trunzo
Sent: Thursday, December 28, 2017 9:51 AM
To: Matt Tanner <M.Tanner@gaiconsultants.com>
Subject: FW: Project: E160438.00 - Spire - STL Pipeline Proj - File Transfer - Spire STL Pipeline - City of West Alton Land Use and Floodplain Permit Submittal

From: Matt Tanner
Sent: Tuesday, November 21, 2017 11:24 PM
To: Ali Trunzo <A.Trunzo@gaiconsultants.com>
Subject: Project: E160438.00 - Spire - STL Pipeline Proj - File Transfer - Spire STL Pipeline - City of West Alton Land Use and Floodplain Permit Submittal

Note: You have been CC'd on this notification.

IMPORTANT: Click a link below to access files associated with this transmittal that came in through the GAI Consultants, Inc. Info Exchange web site.

[View the transmittal in Newforma Project Center](#)

Additional links:

[Download all associated files](#)

[Sign in to the GAI Consultants, Inc. Info Exchange site](#)

[Configure cloud storage delivery](#)

[Reply to All](#)

Project Name: E160438.00 - Spire - STL Pipeline Proj

Project Number: E160438.00

From: Matt Tanner (GAI Consultants, Inc.)

To: janetneustadt@gmail.com

CC: Ali Trunzo (GAI Consultants, Inc.); lmferry@burnsmcd.com; Robin Weissert (GAI Consultants, Inc.); jfarley1917@aol.com

Subject: Spire STL Pipeline - City of West Alton Land Use and Floodplain Permit Submittal

Sent via: Info Exchange

Expiration Date: 12/21/2017

Remarks: Ms. Neustadt,

Per our phone conversation on November 6th, GAI Consultants is submitting the attached documents for City of West Alton Land Use and Floodplain Development Permits for the Spire STL Pipeline Project. Please follow the links below to download these documents. When I spoke with Mr. Jason Farley on November 6th, he requested that I copy him when I send you the information. Mr. Farley has been copied on this email.

Please let us know if you have any issues downloading or viewing these files.

Sincerely
Matthew T. Tanner, P.E.
Senior Project Engineer

300 Summers Street, Suite 1100, Charleston, WV 25301
T 304.926.8100 **D** 681.245.8854 **M** 304.963.3184

Connect with GAI | [Facebook](#) | [LinkedIn](#) | [Twitter](#) | [YouTube](#) | [News & Insights](#)



GAI Consultants provides local expertise to worldwide clients in the energy, transportation, development, government, and industrial markets.

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

Transferred Files

NAME	TYPE	DATE	TIME	SIZE
------	------	------	------	------

2017-11-21 Spire STL West Alton Land Use and Floodplain Permit Application.pdf	PDF File	11/21/2017	9:36 PM	53,746 KB
Transmittal - 00081.pdf	PDF File	11/21/2017	11:23 PM	74 KB

Notification generated by [Newforma Info Exchange](#)

Ali Trunzo

From: Matt Tanner
Sent: Thursday, December 21, 2017 3:08 PM
To: jgantner@sccmo.org
Cc: Ali Trunzo; Robin Weissert
Subject: RE: Spire Pipeline Construction, Comment Letter

Mr. Gantner,

Can you please tell me whether the base inspection fee may be paid by check? If so, who should the check be made out to?

Thank you

Matthew T. Tanner, P.E.
Senior Project Engineer

300 Summers Street, Suite 1100, Charleston, WV 25301
T 304.926.8100 **D** 681.245.8854 **M** 304.963.3184

Connect with GAI | [Facebook](#) | [LinkedIn](#) | [Twitter](#) | [YouTube](#) | [News & Insights](#)



**ENGINEERING,
PLANNING, AND
ENVIRONMENTAL
CONSULTING SINCE 1958**

GAI Consultants provides local expertise to worldwide clients in the energy, transportation, development, government, and industrial markets.

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

From: jgantner@sccmo.org [mailto:jgantner@sccmo.org]
Sent: Tuesday, December 19, 2017 9:15 AM
To: Matt Tanner <M.Tanner@gaiconsultants.com>
Cc: Castor.Armesto@spireenergy.com; ckuehler@sccmo.org
Subject: Spire Pipeline Construction, Comment Letter

December 19, 2017

RE: SPIRE PIPELINE CONSTRUCTION -
LD17-000201 - Interim Grading/Sediment & Erosion Control

Dear Sir:

We have completed our review of your firm's design of the plans for SPIRE PIPELINE CONSTRUCTION, received in our office on 11/27/2017. Before our approval can be granted, the following comments must be addressed:

Submission: 11/27/2017 , Completion: , Status: Pending

Reviewer: Joseph M. Gantner, Development Review - 636-949-7900 x7143 (jgantner@sccmo.org)

1. **Comment** - Please provide the details which will be used in protection of the natural watercourse crossings.
2. **Required** - A payment of base inspection fee of \$150.00 is needed.
3. **Required** - Any proposed improvements for the access road that are inside the vegetative buffer at 6757 Portage Road may require coordination with the St. Charles County Sediment and Erosion Control Inspector to insure that the integrity of the vegetative buffer is maintained.
4. **Required** - A determination must be made by the Army Corps of Engineers as to whether a 404 permit will be required for the proposed pipeline construction within the designated wetland areas. Provide a copy of their response. Provide copies of 404 and 401 permits if they must be obtained from the Corps of Engineers and the Missouri Department of Natural Resources. Show the location(s) of all mitigation area(s) and conservation easements proposed to meet the USACE mitigation requirements.
5. **Required** - The pull area that crosses Portage Road may require further details, phasing instructions etc.. Additional road access is shown on the erosion and sediment control plans (Portage Rd, Dwiggins Rd and Mintert Rd). Further explanation is required on how these points of access will be used and if any road interruptions are planned as a part of this operation. Please contact St. Charles County Highway Department concerning their requirements.
6. **Comment** - These comments are subject to internal quality review. We will inform your office if there are any modifications to these comments. The requirements outlined in this letter are to be addressed within a six month time period. If a revised development plan is not submitted within that time and we are not contacted for an extension of time, the project file will be closed and archived. Projects submitted after being archived or projects that have been radically redesigned shall be treated as new projects and they will be assessed new review fee and permits accordingly.

If you have any further comments or questions regarding this project, please feel free to contact me at our office.

Sincerely,

Joseph M. Gantner, CFM
Plan Review Engineer II

Ali Trunzo

Subject: FW: St. Charles County Land Disturbance Terms
Attachments: St. Charles County Land Disturbance Terms

From: English, Russ A. [mailto:Russ.English@spireenergy.com]
Sent: Tuesday, December 12, 2017 3:26 PM
To: Ferry, Lori M <lmferry@burnsmcd.com>; rgnecco@sccmo.org
Cc: Robin Weissert <R.Weissert@gaiconsultants.com>; Matt Tanner <M.Tanner@gaiconsultants.com>; Ali Trunzo <A.Trunzo@gaiconsultants.com>; Douglas Sipe <dsipe@mdmcorp.com>
Subject: RE: St. Charles County Land Disturbance Terms

Mr. Gnecco,

Spire STL Pipeline has reviewed and has agreed to all terms presented in the reference email regarding the Saint Charles County Land Disturbance, Natural Watercourse and Floodplain permits.

We look forward to working with the County on the Pire STL Pipeline Project.

Thank you,

Russell English
Director, Strategy & Corporate Development

700 Market Street
St. Louis, Missouri 63101
314.342-3303 Office
314.956-5221 Mobile

Russell.English@SpireEnergy.com



Ali Trunzo

From: Gnecco, Rich <RGnecco@sccmo.org>
Sent: Friday, December 01, 2017 5:46 PM
To: Matt Tanner
Cc: Ferry, Lori M; Ali Trunzo; Robin Weissert; Myers, Robert; Marr, Ellie
Subject: RE: Project: E160438.00 - Spire - STL Pipeline Proj - File Transfer - Spire STL Pipeline - St. Charles County Permitting Support Documentation
Attachments: MINOR LAND DISTURBANCE PERMIT_Terms of Service.pdf

Matt:

As I discussed with you on the phone today, I am confirming that you have compiled all of the terms of service associated with Spire's Land Disturbance application and that there are no further terms of service associated with the Flood Plain Development and Natural Watercourse/Vegetated Buffer permits. I have attached terms of service associated with our minor land disturbance permits where we do not require Erosion Sediment Control plans with the application. This will give the applicant a checklist to review their full sediment & erosion control responsibilities. Since we set up the permit application for the applicant, please have the applicant review the terms of service and send an acknowledgement by email to me upon reviewing the documents.

The Permittee Inspections & Reporting requirement referenced in the Terms of Service can be emailed to our office or submitted through the portal rather than faxed to our office if so desired. We will give the applicant our inspector's contact information when the permit is issued and an inspector has been assigned to this project.

Regards,
Rich

Richard A. Gnecco, Jr.
Director Development Review Division
201 North Second Street, Rm 410
St. Charles, Missouri 63301
(636) 949-7900, ext. 7160



From: Matt Tanner [mailto:M.Tanner@gaiconsultants.com]
Sent: Thursday, November 30, 2017 1:55 PM
To: Gnecco, Rich
Cc: Ferry, Lori M; Ali Trunzo; Robin Weissert
Subject: RE: Project: E160438.00 - Spire - STL Pipeline Proj - File Transfer - Spire STL Pipeline - St. Charles County Permitting Support Documentation

Mr. Gnecco,

I just left you a voicemail regarding this, but wanted to follow up via email as well. I've compiled a PDF that contains all of the terms of service shown on the Land Disturbance permit application as well as the requirements of Section

412.130.B. Can you please confirm that this includes all of the terms of service that you reference below that Spire should review? I did not see similar terms on the applications for either the floodplain permit or the watercourse permit.

Thank you

Matthew T. Tanner, P.E.
Senior Project Engineer

300 Summers Street, Suite 1100, Charleston, WV 25301
T 304.926.8100 D 681.245.8854 M 304.963.3184

Connect with GAI | [Facebook](#) | [LinkedIn](#) | [Twitter](#) | [YouTube](#) | [News & Insights](#)



GAI Consultants provides local expertise to worldwide clients in the energy, transportation, development, government, and industrial markets.

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

From: Gnecco, Rich [<mailto:RGnecco@sccmo.org>]

Sent: Wednesday, November 29, 2017 3:35 PM

To: Matt Tanner <M.Tanner@gaiconsultants.com>

Cc: Ferry, Lori M <lmferry@burnsmcd.com>; Ali Trunzo <A.Trunzo@gaiconsultants.com>; Robin Weissert <R.Weissert@gaiconsultants.com>; Myers, Robert <RMyers@sccmo.org>

Subject: RE: Project: E160438.00 - Spire - STL Pipeline Proj - File Transfer - Spire STL Pipeline - St. Charles County Permitting Support Documentation

Matt:

We uploaded the documents that you sent via email, so you don't need to do that. We'll find a way on our end to get the floodplain documents into the project file.

You do not need to submit anything further for Land Disturbance application. Your portal application is all that is needed. We input a document in place of the ESC plan in the required field that you referenced. You can upload the courtesy ESC plans/documents any time prior to construction. Since we set this up for the applicant, we strongly recommend that the applicant review the terms of service that they have to adhere to. Your native seeding and topsoil restoration plans documented below will satisfy our revegetation requirements.

Feel free to contact me with any further questions/concerns.

Regards,
Rich

Richard A. Gnecco, Jr.
Director Development Review Division
201 North Second Street, Rm 410
St. Charles, Missouri 63301
(636) 949-7900, ext. 7160

From: Matt Tanner [<mailto:M.Tanner@gaiconsultants.com>]

Sent: Wednesday, November 29, 2017 12:50 PM

To: Gnecco, Rich

Cc: Ferry, Lori M; Ali Trunzo; Robin Weissert

Subject: RE: Project: E160438.00 - Spire - STL Pipeline Proj - File Transfer - Spire STL Pipeline - St. Charles County Permitting Support Documentation

Mr. Gnecco,

We've begun uploading information into the applications. However, we have a few questions prior to submittal.

Floodplain Permit:

- The website will not allow files greater than 25Mb to be uploaded. The floodplain permit letter and figures are approximately 67 Mb and we're unable to reduce it much further. Would the copy that was sent through Newforma on 11/21 be sufficient? Or would you prefer that we break the PDF up into smaller portions?

Land Disturbance Permit:

- Is the Land Disturbance Permit application able to be submitted without attaching an Erosion and Sediment Control Plan, since Spire will only be providing a copy for the County's records prior to construction? Based on the highlighted sections of the form, it appears that some type of attachment for the Erosion and Sediment Control Plan section would be required for submittal of the application. What would you prefer that we do with that section?
- We also have a question regarding the seeding requirement noted in No. 2 of the Terms of the permit. The majority of the project within St. Charles County is in agricultural fields. In these locations, the topsoil will be segregated and restored following the pipeline installation. However, no seeding is intended within the limits of the field. In areas outside of these ag fields, Spire will be responsible under FERC requirements for monitoring success of revegetation and restoration and will work with landowners to restore these areas in accordance with FERC's Plan and the individual landowner agreements. Spire has proposed to utilize a selection of native seed mixes for the restoration. Can you please confirm whether this would satisfy the requirements for Permit Term No. 2?

During construction, the Permittee shall perform all inspections required by Section 412.130.B of the Unified Development Ordinance and specifically shall:

1. Erosion prevention and sediment controls must be inspected weekly and within 24 hours after a 1" in 24 hours rain event. The permittee shall maintain written records of such checks and repairs. These records must be kept on the job site or in the office of the responsible person and be available for review at any time by an individual from the Community Development Staff. The weekly inspection is to be faxed to the Development Review Office when completed.
2. Prior to the commencement of any temporary or permanent seeding of disturbed areas of two (2) acres or greater, the Owner/Developer/Contractor shall have the seedbed areas tested by an approved nursery for proper application rates of lime and fertilizer. Results of the test must be sent to the county inspector with the recommended application rates. For land disturbance areas less than two (2) acres, lime and fertilizer rates shall be applied in accordance to Table 60-B in the St. Charles County Design Criteria for the Preparation of Improvement Plans. The seeding date(s), fertilization mixture and rates, seed mixture(s) and rate(s), seed supplier, purity percentage, mulching material(s) and application rate(s), and the mowing height and schedule shall be submitted to the county inspector prior to any seeding of disturbed areas.

Thank you for your assistance on this.

Matthew T. Tanner, P.E.

Senior Project Engineer

300 Summers Street, Suite 1100, Charleston, WV 25301

T 304.926.8100 D 681.245.8854 M 304.963.3184

Connect with GAI | [Facebook](#) | [LinkedIn](#) | [Twitter](#) | [YouTube](#) | [News & Insights](#)



GAI Consultants provides local expertise to worldwide clients in the energy, transportation, development, government, and industrial markets.

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

From: Gnecco, Rich [<mailto:RGnecco@sccmo.org>]
Sent: Monday, November 27, 2017 4:53 PM
To: Matt Tanner <M.Tanner@gaiconsultants.com>
Cc: Myers, Robert <RMyers@sccmo.org>; Kuehler, Charles <CKuehler@sccmo.org>; Hurlbert, Michael <mhurlbert@sccmo.org>
Subject: RE: Project: E160438.00 - Spire - STL Pipeline Proj - File Transfer - Spire STL Pipeline - St. Charles County Permitting Support Documentation

Matt:

Thank you for the submittal documentation and transmittal/project explanations. I have set up the project file in our Citizenserve permitting software under file number 17-009878. We created three permits for this project file, Land Disturbance (LD17-000201), Natural Watercourse/Vegetated Buffer (NWC17-000019), and Floodplain Development (FP17-000096). These review workflows also include Charlie Kuehler from our Highway Department, so he will be reviewing the plans simultaneously. I allowed portal access to you, Russell English, and Castor Armesto and usernames and passwords have been assigned to each. You can obtain the current usernames and passwords and revise them by following the instructions attached (please do not create new/duplicate ones). You can access the portal through our website page, www.sccmo.org and click on Government and then Community Development (there is a link in the second paragraph under [About Us](#)) or from the following link: <https://www2.citizenserve.com/stcharles>. Please submit all future documentation to the existing project file (do not create a new file/project) when prompted in Citizenserve.

Please feel free to contact me with any questions/concerns.

Regards,
Rich

Richard A. Gnecco, Jr.
Director Development Review Division
201 North Second Street, Rm 410
St. Charles, Missouri 63301
(636) 949-7900, ext. 7160



From: Matt Tanner [<mailto:M.Tanner@gaiconsultants.com>]
Sent: Tuesday, November 21, 2017 11:19 PM
To: Gnecco, Rich

Subject: Project: E160438.00 - Spire - STL Pipeline Proj - File Transfer - Spire STL Pipeline - St. Charles County Permitting Support Documentation

IMPORTANT: Click a link below to access files associated with this transmittal that came in through the GAI Consultants, Inc. Info Exchange web site.

[Download all associated files](#)

Additional links:

[Reply to All](#)

Project Name: E160438.00 - Spire - STL Pipeline Proj
Project Number: E160438.00

From: Matt Tanner (GAI Consultants, Inc.)
To: RGnecco@sccmo.org
CC: Ali Trunzo (GAI Consultants, Inc.); Matt Tanner (GAI Consultants, Inc.); lmferry@burnsmcd.com; Robin Weissert (GAI Consultants, Inc.)
Subject: Spire STL Pipeline - St. Charles County Permitting Support Documentation
Sent via: Info Exchange
Expiration Date: 12/22/2017
Remarks: Mr. Gnecco,

As per our email conversation on October 25th, GAI Consultants, on behalf of Spire STL Pipeline LLC, is submitting the attached documents for permitting of the Spire STL Pipeline Project within the Unincorporated Areas of St. Charles County. Based on that email conversation we have included supporting documentation to allow the County to begin set up of the shared file for the Project's permits. Our understanding is that we will submit the applications for the individual permits online once the shared file has been set up. Please follow the links to download the files. Included are a set of figures for the Natural Watercourse Permit and documents for the Floodplain Development Permit. While Spire plans to apply for the land disturbance permit, an erosion and sediment control plan or SWPPP have not been included for review per your email dated October 11, 2017. However, a courtesy copy of the erosion and sediment control plan used for construction will be provided to the County prior to starting construction. Please let us know if additional information is needed to set up the Project file prior to submittal of the online permit applications.

The applicant information for Spire has been included below. Castor Armesto will sign the permit applications. However, Russel English will serve as the point of contact from Spire.

Castor Armesto
General Counsel
Spire STL Pipeline LLC
Address: 700 Market Street, St. Louis, MO 63101
Phone: 314-342-3326
Email: Castor.Armesto@spireenergy.com

Russell English
Spire Project Manager
Spire STL Pipeline LLC
Address: 700 Market Street, St. Louis, Missouri 63101

Phone: 314-956-5221
Email: Russell.English@spireenergy.com

Sincerely
Matthew T. Tanner, P.E.
Senior Project Engineer

300 Summers Street, Suite 1100, Charleston, WV 25301
T 304.926.8100 D 681.245.8854 M 304.963.3184

Connect with GAI | [Facebook](#) | [LinkedIn](#) | [Twitter](#) | [YouTube](#) | [News & Insights](#)



GAI Consultants provides local expertise to worldwide clients in the energy, transportation, development, government, and industrial markets.

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

Transferred Files

NAME	TYPE	DATE	TIME	SIZE
2017-11-21 Spire STL St. Charles Co.-Watercourse Permit Figures (Sealed).pdf	PDF File	11/21/2017	5:57 PM	22,144 KB
2017-11-21 St. Charles Co. Floodplain Permit Submittal.pdf	PDF File	11/22/2017	12:09 AM	67,419 KB
Transmittal - 00082.pdf	PDF File	11/22/2017	12:18 AM	87 KB

To share and learn more about Newforma Info Exchange visit www.newformant.com

telephone log



gai consultants

Date: 12/01/2017

Project / Admin. No.: E160438.00

Call From: Matt Tanner

Company: GAI Consultants

Phone No.: 681-245-8854

Call To: Rich Gnecco

Company: St. Charles County, Missouri

Phone No.: 636-949-7900 x7160

Subject: Land Disturbance Permit

cc:

Summary of Discussion, Decisions, and Commitments:

I received a call back from Rich Gnecco at St. Charles County. He said that he'd be replying to my email with the conditions that will be included in the permit. They will be essentially issuing Spire a Minor Land Disturbance Permit since there was no plan review. It will have a check list of what will be needed, but he said that the things that are included should already be a part of our E&S plan.

He asked that we send Spire the information he's sending and the permit terms information that I sent him yesterday. They will need to send us an email stating that they have read and are aware of the conditions to send to the County. Once we've done that, he said we'll be good to go. He said that he probably wouldn't get a chance to reply to my email today, but that it would likely be on Monday.

telephone log



gai consultants

Date: 11/29/2017

Project / Admin. No.: E160438.00

Call From: Matt Tanner

Company: GAI Consultants

Phone No.: 681-245-8854

Call To: Janet Neustadt (Floodplain Manager)

Company: City of West Alton, Missouri – Planning and Zoning Commission

Phone No.: 314-956-6707

Subject: Land Use Permit

cc:

Summary of Discussion, Decisions, and Commitments:

I called Janet Neustadt to confirm that she received the Newforma transfer email with the Land Use and Floodplain permit applications sent on November 21, 2017. She confirmed that she did received the email and checked that she could download the file. I told her that we had received the check for the \$25 permit fee and would be mailing that out.

Ali Trunzo

Subject: RE: Project: E160438.00 - Spire - STL Pipeline Proj - File Transfer - Spire STL Pipeline - St. Charles County Permitting Support Documentation

From: Gnecco, Rich [<mailto:RGnecco@sccmo.org>]

Sent: Monday, November 27, 2017 4:53 PM

To: Matt Tanner <M.Tanner@gaiconsultants.com>

Cc: Myers, Robert <RMyers@sccmo.org>; Kuehler, Charles <CKuehler@sccmo.org>; Hurlbert, Michael <mhurlbert@sccmo.org>

Subject: RE: Project: E160438.00 - Spire - STL Pipeline Proj - File Transfer - Spire STL Pipeline - St. Charles County Permitting Support Documentation

Matt:

Thank you for the submittal documentation and transmittal/project explanations. I have set up the project file in our Citizenserve permitting software under file number 17-009878. We created three permits for this project file, Land Disturbance (LD17-000201), Natural Watercourse/Vegetated Buffer (NWC17-000019), and Floodplain Development (FP17-000096). These review workflows also include Charlie Kuehler from our Highway Department, so he will be reviewing the plans simultaneously. I allowed portal access to you, Russell English, and Castor Armesto and usernames and passwords have been assigned to each. You can obtain the current usernames and passwords and revise them by following the instructions attached (please do not create new/duplicate ones). You can access the portal through our website page, www.sccmo.org and click on Government and then Community Development (there is a link in the second paragraph under About Us) or from the following link: <https://www2.citizenserve.com/stcharles>. Please submit all future documentation to the existing project file (do not create a new file/project) when prompted in Citizenserve.

Please feel free to contact me with any questions/concerns.

Regards,
Rich

Richard A. Gnecco, Jr.

Director Development Review Division

201 North Second Street, Rm 410

St. Charles, Missouri 63301

(636) 949-7900, ext. 7160



From: Matt Tanner [<mailto:M.Tanner@gaiconsultants.com>]

Sent: Tuesday, November 21, 2017 11:19 PM

To: Gnecco, Rich

Subject: Project: E160438.00 - Spire - STL Pipeline Proj - File Transfer - Spire STL Pipeline - St. Charles County Permitting Support Documentation

IMPORTANT: Click a link below to access files associated with this transmittal that came in through the GAI Consultants, Inc. Info Exchange web site.

[Download all associated files](#)

Additional links:

[Reply to All](#)

Project Name: E160438.00 - Spire - STL Pipeline Proj

Project Number: E160438.00

From: Matt Tanner (GAI Consultants, Inc.)

To: RGnecco@sccmo.org

CC: Ali Trunzo (GAI Consultants, Inc.); Matt Tanner (GAI Consultants, Inc.); lmferry@burnsmcd.com; Robin Weissert (GAI Consultants, Inc.)

Subject: Spire STL Pipeline - St. Charles County Permitting Support Documentation

Sent via: Info Exchange

Expiration Date: 12/22/2017

Remarks: Mr. Gnecco,

As per our email conversation on October 25th, GAI Consultants, on behalf of Spire STL Pipeline LLC, is submitting the attached documents for permitting of the Spire STL Pipeline Project within the Unincorporated Areas of St. Charles County. Based on that email conversation we have included supporting documentation to allow the County to begin set up of the shared file for the Project's permits. Our understanding is that we will submit the applications for the individual permits online once the shared file has been set up. Please follow the links to download the files. Included are a set of figures for the Natural Watercourse Permit and documents for the Floodplain Development Permit. While Spire plans to apply for the land disturbance permit, an erosion and sediment control plan or SWPPP have not been included for review per your email dated October 11, 2017. However, a courtesy copy of the erosion and sediment control plan used for construction will be provided to the County prior to starting construction. Please let us know if additional information is needed to set up the Project file prior to submittal of the online permit applications.

The applicant information for Spire has been included below. Castor Armesto will sign the permit applications. However, Russel English will serve as the point of contact from Spire.

Castor Armesto
General Counsel
Spire STL Pipeline LLC
Address: 700 Market Street, St. Louis, MO 63101
Phone: 314-342-3326
Email: Castor.Armesto@spireenergy.com

Russell English
Spire Project Manager
Spire STL Pipeline LLC
Address: 700 Market Street, St. Louis, Missouri 63101
Phone: 314-956-5221
Email: Russell.English@spireenergy.com

Sincerely

Matthew T. Tanner, P.E.
Senior Project Engineer

300 Summers Street, Suite 1100, Charleston, WV 25301
T 304.926.8100 D 681.245.8854 M 304.963.3184

Connect with GAI | [Facebook](#) | [LinkedIn](#) | [Twitter](#) | [YouTube](#) | [News & Insights](#)



GAI Consultants provides local expertise to worldwide clients in the energy, transportation, development, government, and industrial markets.

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

Transferred Files

NAME	TYPE	DATE	TIME	SIZE
<u>2017-11-21 Spire STL St. Charles Co.-Watercourse Permit Figures (Sealed).pdf</u>	PDF File	11/21/2017	5:57 PM	22,144 KB
<u>2017-11-21 St. Charles Co. Floodplain Permit Submittal.pdf</u>	PDF File	11/22/2017	12:09 AM	67,419 KB
<u>Transmittal - 00082.pdf</u>	PDF File	11/22/2017	12:18 AM	87 KB

To share and learn more about Newforma Info Exchange visit www.newformant.com

Ali Trunzo

From: Matt Tanner
Sent: Tuesday, November 21, 2017 11:24 PM
To: Ali Trunzo
Subject: Project: E160438.00 - Spire - STL Pipeline Proj - File Transfer - Spire STL Pipeline - City of West Alton Land Use and Floodplain Permit Submittal

Note: You have been CC'd on this notification.

IMPORTANT: Click a link below to access files associated with this transmittal that came in through the GAI Consultants, Inc. Info Exchange web site.

[View the transmittal in Newforma Project Center](#)

Additional links:

[Download all associated files](#)

[Sign in to the GAI Consultants, Inc. Info Exchange site](#)

[Configure cloud storage delivery](#)

[Reply to All](#)

Project Name: E160438.00 - Spire - STL Pipeline Proj
Project Number: E160438.00

From: Matt Tanner (GAI Consultants, Inc.)
To: janetneustadt@gmail.com
CC: Ali Trunzo (GAI Consultants, Inc.); Imferry@burnsmcd.com; Robin Weissert (GAI Consultants, Inc.); jfarley1917@aol.com
Subject: Spire STL Pipeline - City of West Alton Land Use and Floodplain Permit Submittal
Sent via: Info Exchange
Expiration Date: 12/21/2017
Remarks: Ms. Neustadt,

Per our phone conversation on November 6th, GAI Consultants is submitting the attached documents for City of West Alton Land Use and Floodplain Development Permits for the Spire STL Pipeline Project. Please follow the links below to download these documents. When I spoke with Mr. Jason Farley on November 6th, he requested that I copy him when I send you the information. Mr. Farley has been copied on this email.

Please let us know if you have any issues downloading or viewing these files.

Sincerely
Matthew T. Tanner, P.E.
Senior Project Engineer

300 Summers Street, Suite 1100, Charleston, WV 25301
T 304.926.8100 D 681.245.8854 M 304.963.3184



GAI Consultants provides local expertise to worldwide clients in the energy, transportation, development, government, and industrial markets.

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

Transferred Files

NAME	TYPE	DATE	TIME	SIZE
<u>2017-11-21 Spire STL West Alton Land Use and Floodplain Permit Application.pdf</u>	PDF File	11/21/2017	9:36 PM	53,746 KB
<u>Transmittal - 00081.pdf</u>	PDF File	11/21/2017	11:23 PM	74 KB

Notification generated by [Newforma Info Exchange](#)

Ali Trunzo

From: Ferry, Lori M <lmferry@burnsmcd.com>
Sent: Monday, November 06, 2017 2:36 PM
To: janetneustadt@gmail.com
Cc: Franks,Michael; Ali Trunzo
Subject: Spire STL Pipeline Project

Hi Janet,

I am providing the contact that we have for the Spire STL Pipeline Project who is in charge of the road permitting effort for the West Alton area. He is copied on this email and his direct contact information is below.

Please do not hesitate to contact me if you need anything else!

Thanks,
Lori

Michael Franks
Environmental Specialist
Project Consulting Services, Inc.
1800 West Loop South | Suite 900 | Houston, TX 77027
mfranks@projectconsulting.com; www.projectconsulting.com
Office: 713-952-7380; Direct: 713-407-2466; Cell: 281-974-6921

Lori Ferry \ Burns & McDonnell
Department Manager \ Environmental Services
o 630-724-3337 \ m 630-605-5255
lmferry@burnsmcd.com \ burnsmcd.com
1431 Opus Place Suite 400 \ Downers Grove, IL 60515

Ali Trunzo

From: Gnecco, Rich <RGnecco@sccmo.org>
Sent: Wednesday, October 25, 2017 3:18 PM
To: Matt Tanner
Cc: Barron, John; Myers, Robert; Agee, Jared; Ali Trunzo; Robin Weissert; Ferry, Lori M
Subject: RE: Citizenserve Portal Questions

Matt:

Go ahead and email all of the information when you are ready. That will help us tie down location and set up the file to address this project's special needs and permit types. We will download the documents into the file for you. Once we get that set up, you should be able to complete the rest of the process through the portal.

Regards,
Rich

Richard A. Gnecco, Jr.
Director Development Review Division
201 North Second Street, Rm 410
St. Charles, Missouri 63301
(636) 949-7900, ext. 7160



From: Matt Tanner [mailto:M.Tanner@gaiconsultants.com]
Sent: Wednesday, October 25, 2017 1:58 PM
To: Gnecco, Rich
Cc: Barron, John; Myers, Robert; Agee, Jared; Ali Trunzo; Robin Weissert; Ferry, Lori M
Subject: RE: Citizenserve Portal Questions

Mr. Gnecco,

Thank you. We're not quite to the point where we are ready to submit. We plan to submit the applications the first full week of November. I was primarily trying to better understand what the process will need to be ahead of the actual submittal. We will be in touch again as we get closer. For the initial file setup, would you like us to email all of the application information including forms, figures, etc.? Or should we hold off on sending all of that information until the file number has been setup and we apply for the individual permits?

Sincerely
Matthew T. Tanner, P.E.
Senior Project Engineer

300 Summers Street, Suite 1100, Charleston, WV 25301
T 304.926.8100 **D** 681.245.8854 **M** 304.963.3184

Connect with GAI | [Facebook](#) | [LinkedIn](#) | [Twitter](#) | [YouTube](#) | [News & Insights](#)



**ENGINEERING,
PLANNING, AND
ENVIRONMENTAL
CONSULTING SINCE 1958**

GAI Consultants provides local expertise to worldwide clients in the energy, transportation, development, government, and industrial markets.

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

From: Gnecco, Rich [<mailto:RGnecco@sccmo.org>]
Sent: Wednesday, October 25, 2017 2:44 PM
To: Matt Tanner <M.Tanner@gaiconsultants.com>
Cc: Barron, John <JBarron@sccmo.org>; Myers, Robert <RMyers@sccmo.org>; Agee, Jared <JAgee@sccmo.org>
Subject: RE: Citizenserve Portal Questions

Matt:

In order to start the process for Spire, I'm going to suggest that you just submit your application to us and we will start the project file for you (this one is a little tricky). This project either won't be able to be tied to a parcel of property or we will have to tie it to one as you suggested below. We will get the file set up and give you the file number and you can apply for the individual permits and make submittals using the established file number. We would prefer that all permits be issued under a singular file number. You can submit on Spire's behalf – we will create a contact for you and that will create a filename and password for you.

My assistant, John Barron, is out of the office today. Go ahead and send your submittal to me by email and I will have John set up the file and contact you with further instructions about how to proceed through the portal.

Regards,
Rich

Richard A. Gnecco, Jr.
Director Development Review Division
201 North Second Street, Rm 410
St. Charles, Missouri 63301
(636) 949-7900, ext. 7160



From: Matt Tanner [<mailto:M.Tanner@gaiconsultants.com>]
Sent: Wednesday, October 25, 2017 12:37 PM
To: Gnecco, Rich
Subject: Citizenserve Portal Questions

Mr. Gnecco

We have a couple of additional questions regarding the County's online application submittal process. Given that there will be applications for several permits included, how would you recommend we submit the applications for Spire's permits through the Citizenserve Portal? Should we submit separate applications for each permit and then contact the County to combine them?

Also, it appears that there is not a location for the applicant information in the online permit application forms and that the owner name is based on the parcel or address info entered. Is the permittee based on the account through which the permit is submitted? Could I submit the application on Spire's behalf? Or would we need to set up an account for someone at Spire and have them submit the application? Given that the project occurs across multiple properties, should we select one property for purposes of the application? For example, the parcel on which the mainline valve site will be located.

Thank you for your assistance.

Matthew T. Tanner, P.E.

Senior Project Engineer

300 Summers Street, Suite 1100, Charleston, WV 25301

T 304.926.8100 **D** 681.245.8854 **M** 304.963.3184

Connect with GAI | [Facebook](#) | [LinkedIn](#) | [Twitter](#) | [YouTube](#) | [News & Insights](#)



**ENGINEERING,
PLANNING, AND
ENVIRONMENTAL
CONSULTING SINCE 1958**

GAI Consultants provides local expertise to worldwide clients in the energy, transportation, development, government, and industrial markets.

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

telephone log



gai consultants

Date: 10/24/2017

Project / Admin. No.: E160438.00

Call From: Matt Tanner

Company: GAI Consultants

Phone No.: 681-245-8854

Call To: Rich Gnecco

Company: St. Charles County, Missouri

Phone No.: 636-949-7900 x7160

Subject: Natural Watercourse Permit

cc:

Summary of Discussion, Decisions, and Commitments:

I called Mr. Rich Gnecco regarding the Natural Watercourse Permit that he mentioned in his email. He told me that it applies to all channels with a defined bed and bank, not just those streams shown on the USGS map like the ordinance appeared to indicate. He said that if we were putting in a road/culvert, then they would be more concerned, but since the pipeline will be underground they're just looking for the line to cross close to perpendicular and the stream restored and stabilized. They are primarily concerned with the location of the crossings. There's no fee for this permit.

Ali Trunzo

From: Gnecco, Rich <RGnecco@sccmo.org>
Sent: Wednesday, October 11, 2017 4:28 PM
To: Matt Tanner
Cc: 'Ferry, Lori M'; Ali Trunzo; Robin Weissert; Roark, Ardita; Myers, Robert; Hurlbert, Michael; Barron, John
Subject: RE: St. Charles County - Land Disturbance Permit Exemption for Oil and Gas Related Construction Activities

Matt:

We reviewed this issue with our state MS4 Director at Missouri Department of Resources and we offer the following course of action:

The County will require and agree to:

- Issue a land disturbance permit for the portion of the project in the unincorporated county.
- Waive plan review fees and plan submittal/approval requirements in Section [412.060.A](#) with the exception of 412.060.A.3.b, c, & g.
- Reduce the base inspection fee to a non-refundable \$150 (6 hours inspection) and limit County inspections to a pre-construction meeting (if applicable), inspections of construction site accesses to county roadways, inspections resulting from complaints or violations of water quality standards, and a final inspection.
- Waive the performance guaranty requirement.

Provided that:

- Water quality standards are not exceeded during the course of construction for the oil and gas related activities as listed in 40 C.F.R Section 122.26(a)(2)(ii).
- Spire implements erosion and sediment control best management practices (BMPs) during construction to protect environmental resources and to permanently stabilize the project upon completion in accordance with the Federal Energy Regulatory Commission (FERC) requirements.
- A courtesy copy of the final construction plans is submitted showing the land disturbance areas and the proposed sediment & erosion control and accesses to the site.
- Environmental inspectors are onsite throughout the project to identify and address potential issues in accordance with the Federal Energy Regulatory Commission (FERC) requirements.
- Spire submits applications for all other applicable County permits such as floodplain, special use permits, and natural watercourse permits for utility crossings.

This will require Spire to apply for a land disturbance permit. We will put similar language for the conditions listed above on the permit that is issued. Should violations of water quality standards or hazards involving county roads occur during construction, the County reserves the right to revoke the permit and require Spire to fulfill all of the requirements of Section 412.

Please feel free to contact me with any questions or for further discussion.

Regards,
Rich

Richard A. Gnecco, Jr.
Director Development Review Division
201 North Second Street, Rm 410

St. Charles, Missouri 63301
(636) 949-7900, ext. 7160



From: Gnecco, Rich
Sent: Wednesday, October 04, 2017 12:18 PM
To: 'Matt Tanner'
Cc: 'Ferry, Lori M'; Ali Trunzo; Robin Weissert; Roark, Ardita; Myers, Robert; Hurlbert, Michael
Subject: RE: St. Charles County - Land Disturbance Permit Exemption for Oil and Gas Related Construction Activities

Matt:

Our counselor has reviewed the documentation and the referenced regulations, and did not see how our ordinance recognizes or is dependent on the exemption provided in the federal regulation. As this appears to be a matter of first impression, we would ask that Spire provide an opinion with analysis from a legal resource in Missouri. I can then have our counselor review that and give you a more definitive opinion on this matter. I am also going to contact our state MS4 Director at Missouri Department of Resources to see if he can give me any direction.

At worst, I can waive any land disturbance/erosion & sediment control plan submittal requirements under [Section 412.060](#), including a reduction in inspection fees and performance guaranty. You may request a waiver for specific plan submittal requirements per [412.070](#). You aren't required to use St. Charles County BMPs long as your construction BMPs meet our standards, so we can approve BMPs generic to this project. I would be willing to reduce inspection fees and local inspection assignment and waive the performance guaranty as long as we can have assurance that the project is being regularly inspected at the state or federal level, the contractor has performance bonding requirements, and that the federal requirements provide for final stabilization of the project.

Regards,
Rich

Richard A. Gnecco, Jr.
Director Development Review Division
201 North Second Street, Rm 410
St. Charles, Missouri 63301
(636) 949-7900, ext. 7160



From: Matt Tanner [<mailto:M.Tanner@gaiconsultants.com>]
Sent: Thursday, September 28, 2017 9:34 AM
To: Gnecco, Rich
Cc: 'Ferry, Lori M'; Ali Trunzo; Robin Weissert
Subject: RE: St. Charles County - Land Disturbance Permit Exemption for Oil and Gas Related Construction Activities

Mr. Gnecco,

We wanted to follow up with you to see if you had heard anything from your legal counsel on the request for exemption. If there are any questions, please feel free to let us know.

Thank you

Matthew T. Tanner, P.E.

Senior Project Engineer

300 Summers Street, Suite 1100, Charleston, WV 25301

T 304.926.8100 **D** 681.245.8854 **M** 304.963.3184

Connect with GAI | [Facebook](#) | [LinkedIn](#) | [Twitter](#) | [YouTube](#) | [News & Insights](#)



**ENGINEERING,
PLANNING, AND
ENVIRONMENTAL
CONSULTING SINCE 1958**

GAI Consultants provides local expertise to worldwide clients in the energy, transportation, development, government, and industrial markets.

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

From: Matt Tanner

Sent: Monday, September 18, 2017 9:08 PM

To: Gnecco, Rich <RGnecco@sccmo.org>

Cc: 'Ferry, Lori M' <lmferry@burnsmcd.com>; Ali Trunzo <A.Trunzo@gaiconsultants.com>; Robin Weissert <R.Weissert@gaiconsultants.com>

Subject: RE: St. Charles County - Land Disturbance Permit Exemption for Oil and Gas Related Construction Activities

Mr. Gnecco,

This email is to summarize our phone conversation this morning regarding Spire's request for exemption to the St. Charles County's land disturbance permits. As I mentioned on the phone, we passed along the information that you provided below to Spire. They have since clarified for us that the portion of Spire Energy that this project is under (Spire STL Pipeline LLC) is not public. There are portions of Spire Energy that are public. We wanted to make you aware of this and ask that the County further review Spire's exemption request and the information regarding the NPDES exemption for oil and gas activities. In response to this request, you said that you would send this information up to the County's legal counsel for further review. We understand that you said that your legal counsel was very busy right now and that it may be a few days before she could look at it.

We thank you for your assistance on this.

Sincerely

Matthew T. Tanner, P.E.

Senior Project Engineer

300 Summers Street, Suite 1100, Charleston, WV 25301

T 304.926.8100 **D** 681.245.8854 **M** 304.963.3184

Connect with GAI | [Facebook](#) | [LinkedIn](#) | [Twitter](#) | [YouTube](#) | [News & Insights](#)



**ENGINEERING,
PLANNING, AND
ENVIRONMENTAL
CONSULTING SINCE 1958**

GAI Consultants provides local expertise to worldwide clients in the energy, transportation, development, government, and industrial markets.

From: Gnecco, Rich [<mailto:RGnecco@sccmo.org>]
Sent: Thursday, September 14, 2017 1:12 PM
To: Matt Tanner <M.Tanner@gaiconsultants.com>
Cc: 'Ferry, Lori M' <lmferry@burnsmcd.com>; Ali Trunzo <A.Trunzo@gaiconsultants.com>; Hurlbert, Michael <mhurlbert@sccmo.org>; Myers, Robert <RMyers@sccmo.org>; Roark, Ardita <ARoark@sccmo.org>; Barron, John <JBarron@sccmo.org>
Subject: RE: St. Charles County - Land Disturbance Permit Exemption for Oil and Gas Related Construction Activities

Matt:

I submitted your justification for an exemption to our land disturbance permit to our Counselors' office. Their response was that a simpler exemption could be granted based on the fact that Spire is a public utility (see attachment above). For this reason, Spire is exempted from needing a land disturbance permit under County Code [412.050.A.2](#) provided that, "... no change in drainage patterns or sedimentation onto adjacent properties will occur." This exemption does not relieve Spire from obtaining other required county permits for accesses to county roads, flood plain development, and building/electrical facilities.

As you expressed in our most recent meeting, Spire would provide a courtesy copy of the final construction plans showing the land disturbance areas and the proposed sediment & erosion control and accesses to the site. We would also appreciate being notified 48 hours prior to the start of construction within the unincorporated county.

Regards,
Rich

Richard A. Gnecco, Jr.
Director Development Review Division
201 North Second Street, Rm 410
St. Charles, Missouri 63301
(636) 949-7900, ext. 7160



From: Matt Tanner [<mailto:M.Tanner@gaiconsultants.com>]
Sent: Wednesday, August 23, 2017 7:59 AM
To: Gnecco, Rich
Cc: Ferry, Lori M; Ali Trunzo
Subject: St. Charles County - Land Disturbance Permit Exemption for Oil and Gas Related Construction Activities

Mr. Gnecco,

We appreciate you taking the time to meet with us last week to discuss the Spire STL Pipeline project and the St. Charles County permitting requirements. As discussed during the meeting, Spire believes that the Spire STL Pipeline project would be exempt from St. Charles County Land Disturbance permitting requirements due to existing exemptions from NPDES construction stormwater permitting for oil and gas activities at both the Federal and State level. Spire is requesting an exemption from the St. Charles County Land Disturbance Permit as well. This email is intended to provide

you with additional information on the Federal and State of Missouri exemption for oil and gas related activities with regards to construction stormwater permitting.

The Federal exemption is included in Federal Regulation 40 C.F.R. 122.26(a)(2)(ii) which states:

§122.26 Storm water discharges (applicable to State NPDES programs, see §123.25).

(2) The Director may not require a permit for discharges of storm water runoff from the following:

...

(ii) All field activities or operations associated with oil and gas exploration, production, processing, or treatment operations or transmission facilities, including activities necessary to prepare a site for drilling and for the movement and placement of drilling equipment, whether or not such field activities or operations may be considered to be construction activities, except in accordance with paragraph (c)(1)(iii) of this section. Discharges of sediment from construction activities associated with oil and gas exploration, production, processing, or treatment operations or transmission facilities are not subject to the provisions of paragraph (c)(1)(iii)(C) of this section.

Note to paragraph (a)(2)(ii): EPA encourages operators of oil and gas field activities or operations to implement and maintain Best Management Practices (BMPs) to minimize discharges of pollutants, including sediment, in storm water both during and after construction activities to help ensure protection of surface water quality during storm events. Appropriate controls would be those suitable to the site conditions and consistent with generally accepted engineering design criteria and manufacturer specifications. Selection of BMPs could also be affected by seasonal or climate conditions.

40 C.F.R. 122.26 (c)(1)(iii) referenced in the section above states:

§122.26 (c)(1)(iii):

(c) Application requirements for storm water discharges associated with industrial activity and storm water discharges associated with small construction activity—(1) Individual application. Dischargers of storm water associated with industrial activity and with small construction activity are required to apply for an individual permit or seek coverage under a promulgated storm water general permit. Facilities that are required to obtain an individual permit or any discharge of storm water which the Director is evaluating for designation (see §124.52(c) of this chapter) under paragraph (a)(1)(v) of this section and is not a municipal storm sewer, shall submit an NPDES application in accordance with the requirements of §122.21 as modified and supplemented by the provisions of this paragraph.

...

(iii) The operator of an existing or new discharge composed entirely of storm water from an oil or gas exploration, production, processing, or treatment operation, or transmission facility is not required to submit a permit application in accordance with paragraph (c)(1)(i) of this section, unless the facility:

(A) Has had a discharge of storm water resulting in the discharge of a reportable quantity for which notification is or was required pursuant to 40 CFR 117.21 or 40 CFR 302.6 at anytime since November 16, 1987; or

(B) Has had a discharge of storm water resulting in the discharge of a reportable quantity for which notification is or was required pursuant to 40 CFR 110.6 at any time since November 16, 1987; or

(C) Contributes to a violation of a water quality standard.

Section 402(l)(2) of the Clean Water Act also includes language regarding the exemption:

Clean Water Act, Section 402 (l). Limitation on Permit Requirement

(2) STORMWATER RUNOFF FROM OIL, GAS, AND MINING OPERATIONS

The Administrator shall not require a permit under this section, nor shall the Administrator directly or indirectly require any State to require a permit, for discharges of stormwater runoff from mining operations or oil and gas exploration, production, processing, or treatment operations or transmission facilities, composed entirely of flows which are from conveyances or systems of conveyances (including but not limited to pipes, conduits, ditches, and channels) used for collecting and conveying precipitation runoff and which are not contaminated by contact with, or do not come into contact with, any overburden, raw material, intermediate products, finished product, byproduct, or waste products located on the site of such operations.

The United States EPA has a webpage with additional information on the Oil and Gas Exemption including references to the Clean Water Act Section 402(l)(2) exemption language. This website is available at <https://www.epa.gov/npdes/oil-and-gas-stormwater-permitting#undefined>

The Missouri Department of Natural Resources (MDNR) State Operating Permit for Land Disturbance (MO-RA00000) that was issued in February 2017 recognizes the Federal exemption. The MDNR Permit language exempting oil and gas is included in item number 3 under "Exemptions from Permit Requirements". This item considers "Oil and gas related activities as listed in 40 C.F.R Section 122.26(a)(2)(ii) where water quality standards are not exceeded" exempt from the permit requirements. It is Spire's understanding that the County ordinances for Erosion and Sediment Control Regulations (UDO Chapter 412) were developed to help the County comply with the Municipal Separate Storm Sewer System (MS4) NPDES Permit that the County has through the MDNR. As the MDNR currently recognizes the Federal exemption from NPDES permitting for oil and gas activities, Spire believes that the oil and gas exemption would also apply to the land disturbance permit requirements under the St. Charles County ordinance.

As discussed during our meeting, Spire plans to implement erosion and sediment control best management practices (BMPs) during construction even if a Land Disturbance Permit is not required. Spire will utilize BMPs to protect environmental resources and will have environmental inspectors onsite throughout the project to identify and address potential issues in accordance with the Federal Energy Regulatory Commission (FERC) requirements. BMPs will be implemented in accordance with the FERC Upland Erosion Control, Revegetation, and Maintenance Plan (May 2013) and Wetland and Waterbody Crossing Construction and Mitigation Procedures (May 2013). As also mentioned during our meeting, Spire plans to submit applications for other applicable County permits such as floodplain or special use permits regardless of whether the County grants an exemption from the Land Disturbance Permit.

Thank you for your consideration of this request. We look forward to receiving your response. Please let us know if there are further questions.

Sincerely

Matthew T. Tanner, P.E.

Senior Project Engineer

300 Summers Street, Suite 1100, Charleston, WV 25301

T 304.926.8100 **D** 681.245.8854 **M** 304.963.3184

Connect with GAI | [Facebook](#) | [LinkedIn](#) | [Twitter](#) | [YouTube](#) | [News & Insights](#)



**ENGINEERING,
PLANNING, AND
ENVIRONMENTAL
CONSULTING SINCE 1958**

GAI Consultants provides local expertise to worldwide clients in the energy, transportation, development, government, and industrial markets.

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.



St. Louis County, Missouri

Ali Trunzo

From: Shane Fisher
Sent: Tuesday, July 31, 2018 10:29 AM
To: Ali Trunzo
Subject: Project: E160438.00 - Spire - STL Pipeline Proj - File Transfer - Spire STL Pipeline - St. Louis County Permit Applications Comment Response

Note: You have been CC'd on this notification.

IMPORTANT: Click a link below to access files associated with this transmittal that came in through the GAI Consultants, Inc. Info Exchange web site.

[View the Transmittal in Newforma Project Center](#)

Additional links:

[Download all associated files](#)

[Sign in to the GAI Consultants, Inc. Info Exchange site](#)

[Configure cloud storage delivery](#)

[Reply to All](#)

Project Name: E160438.00 - Spire - STL Pipeline Proj
Project Number: E160438.00

From: Shane Fisher (GAI Consultants, Inc.)
To: Gregory Marshall; James Knoll
CC: Ali Trunzo (GAI Consultants, Inc.); Imferry@burnsmcd.com; Robin Weissert (GAI Consultants, Inc.); Bryce Good (GAI Consultants, Inc.); Shane Fisher (GAI Consultants, Inc.)
Subject: Spire STL Pipeline - St. Louis County Permit Applications Comment Response
Purpose: For your review and comment
Sent via: Info Exchange
Expiration Date: 12/31/2018
Remarks:

In the event that you are unaware, Matt Tanner has left GAI and I will be filling in for him in regards to permitting in St. Louis County. I look forward to working with you as we move toward permit approval.

Included in the link below, you will find our Response to Comments Letter in addition to the necessary documentation as it relates to those comments. In our responses, we've made your comments *italicized* and our responses normal font. In the SWPPP, items which changed are displayed in **red** text. We will be mailing hard copies of this package out this evening, but wanted to get a PDF in your hands as early as possible.

If you have any comments or questions, please do not hesitate to contact me at the phone number or email below.

Thank You,

Share

Shane A. Fisher, P.E. (WV, VA, NC, MD)

Assistant Engineering Manager

600 Marketplace Avenue, Suite 301, Bridgeport, WV 26330

T 304.933.5209 **D** 304.933.5203 **M** 304.627.9233

Connect with GAI | [Facebook](#) | [LinkedIn](#) | [Twitter](#) | [YouTube](#) | [News & Insights](#)



**ENGINEERING,
PLANNING, AND
ENVIRONMENTAL
CONSULTING SINCE 1958**

[GAI Consultants provides local expertise to worldwide clients in the energy, transportation, development, government, and industrial markets.](#)

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

Transferred Files

NAME	TYPE	DATE	TIME	SIZE
<u>Transmittal - 00122.pdf</u>	PDF File	7/31/2018	10:27 AM	94 KB
<u>SPIRE-E16043800-STLC-LD-RTC-PKG.pdf</u>	PDF File	7/31/2018	9:37 AM	110,411 KB

Notification generated by [Newforma Info Exchange](#) | [Privacy Policy](#)

Thank You,

Shane

Shane A. Fisher, P.E. (WV, VA, NC, MD)

Assistant Engineering Manager

600 Marketplace Avenue, Suite 301, Bridgeport, WV 26330

T 304.933.5209 **D** 304.933.5203 **M** 304.627.9233

Connect with GAI | [Facebook](#) | [LinkedIn](#) | [Twitter](#) | [YouTube](#) | [News & Insights](#)



**ENGINEERING,
PLANNING, AND
ENVIRONMENTAL
CONSULTING SINCE 1958**

[GAI Consultants provides local expertise to worldwide clients in the energy, transportation, development, government, and industrial markets.](#)

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

Ali Trunzo

Subject: FW: Spire STL Pipeline - St. Louis County Permit Applications

From: Marshall, Gregory [mailto:GMarshall@stlouisco.com]
Sent: Thursday, May 24, 2018 6:18 PM
To: Matt Tanner <M.Tanner@gaiconsultants.com>
Cc: Ali Trunzo <A.Trunzo@gaiconsultants.com>; Robin Weissert <R.Weissert@gaiconsultants.com>
Subject: RE: Spire STL Pipeline - St. Louis County Permit Applications

Matt,

I did talk with my supervisor about this. The initial thought was that we would need the same information about property and easements for this project as we would on other projects. We are looking into this some more though, to verify this.

I will get back to you regarding this as soon as I find out more.

Thanks,

Greg Marshall, P.E., Project Manager III
St. Louis County Transportation Dept., Civil Plan Review Section
41 S. Central Ave., 6th fl., Clayton, MO 63105
314-615-8678

From: Matt Tanner [mailto:M.Tanner@gaiconsultants.com]
Sent: Wednesday, May 23, 2018 8:24 AM
To: Marshall, Gregory <GMarshall@stlouisco.com>
Cc: Ali Trunzo <A.Trunzo@gaiconsultants.com>; Robin Weissert <R.Weissert@gaiconsultants.com>
Subject: RE: Spire STL Pipeline - St. Louis County Permit Applications

Mr. Marshall,

I wanted to follow up on our phone conversation last Wednesday regarding the land disturbance permit application comments. Were you able to speak with your supervisor regarding the property and easement information requirements? As I mentioned, Spire is restricted on what owner information they are able to provide to agencies outside of the federal government. They will also be required to obtain the easements along the project by the Federal Energy Regulatory Commission and will have eminent domain power once the FERC certificate is issued. Please let me know what you were able to find out.

Thank you

Matthew T. Tanner, P.E.
Senior Project Engineer

GAI Consultants, 300 Summers Street, Suite 1100, Charleston, WV 25301
T 304.926.8100 **D** 681.245.8854 **M** 304.963.3184

[Facebook](#) | [LinkedIn](#) | [Twitter](#) | [YouTube](#) | [News & Insights](#)



**ENGINEERING,
PLANNING, AND
ENVIRONMENTAL
CONSULTING SINCE 1958**

Ali Trunzo

From: Marshall, Gregory <GMarshall@stlouisco.com>
Sent: Friday, May 04, 2018 12:30 AM
To: Matt Tanner
Cc: Ali Trunzo; Robin Weissert
Subject: RE: Spire STL Pipeline - St. Louis County Permit Applications

Mr. Tanner,

You are correct that St. Louis County would not require the coordination with FUSRAP and ATSDR if you are not open cutting Coldwater Creek.

Thanks for contacting me regarding this.

Thanks,

Greg Marshall, P.E., Project Manager III
St. Louis County Transportation Dept., Civil Plan Review Section
41 S. Central Ave., 6th fl., Clayton, MO 63105
314-615-8678

From: Matt Tanner [mailto:M.Tanner@gaiconsultants.com]
Sent: Friday, April 27, 2018 8:42 AM
To: Marshall, Gregory <GMarshall@stlouisco.com>
Cc: Ali Trunzo <A.Trunzo@gaiconsultants.com>; Robin Weissert <R.Weissert@gaiconsultants.com>
Subject: RE: Spire STL Pipeline - St. Louis County Permit Applications

Mr. Marshall,

Thank you for this information. I left a voicemail regarding this, but wanted to follow up via email also so that you could reply at your convenience. Spire is looking at returning to the originally proposed HDD route for the crossing at Coldwater Creek, instead of the open cut. Are we correct that if an HDD is used for the crossing rather than open cut, the additional FUSRAP and ATSDR coordination will not be required?

Thanks

Matthew T. Tanner, P.E.

Senior Project Engineer

GAI Consultants, 300 Summers Street, Suite 1100, Charleston, WV 25301

T 304.926.8100 **D** 681.245.8854 **M** 304.963.3184

[Facebook](#) | [LinkedIn](#) | [Twitter](#) | [YouTube](#) | [News & Insights](#)



**ENGINEERING,
PLANNING, AND
ENVIRONMENTAL
CONSULTING SINCE 1958**

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

From: Marshall, Gregory [mailto:GMarshall@stlouisco.com]
Sent: Wednesday, April 25, 2018 3:19 PM
To: Matt Tanner <M.Tanner@gaiconsultants.com>

Cc: Ali Trunzo <A.Trunzo@gaiconsultants.com>; Robin Weissert <R.Weissert@gaiconsultants.com>

Subject: RE: Spire STL Pipeline - St. Louis County Permit Applications

Mr. Tanner,

I am completing the review of the land disturbance plans (sorry it is later than I originally stated). The previous review of the floodplain study was based on boring under Coldwater Creek, instead of open cut trench installation. I have been in touch with the St. Louis County Parks Department regarding the pipeline installation. I found out that the open cut trench proposal in the area of Coldwater Creek and Fort Bellefontaine Park that was shown on the March, 2018, submittal will be revised. If it will still be proposed to open cut trench in the area of Coldwater Creek, then additional coordination with agencies working along Coldwater Creek will be necessary. St. Louis County will need to receive correspondence from these agencies regarding the requirements for working in this area.

The United States Army Corps of Engineers is performing remediation of radioactive contamination along Coldwater Creek as part of the Formerly Utilized Sites Remedial Action Program (FUSRAP). The St. Louis Airport Site and Vicinity Properties (SLAPS VPs) remediation includes work along Coldwater Creek from Old Halls Ferry Rd. to the Missouri River. Here is the link to the website explaining this project, which includes contact information for coordination with the pipeline project.

<http://www.mvs.usace.army.mil/Missions/FUSRAP/>

<http://www.mvs.usace.army.mil/Missions/FUSRAP/SLAPS-VPs/>

The Agency for Toxic Substances and Disease Registry (ATSDR) is preparing a Public Health Assessment (PHA) for Coldwater Creek in St. Louis, Missouri as a result of community concerns and the discovery of radioactive contamination in parks and residences along Coldwater Creek. Here is the link to the website explaining this project, which includes contact information for coordination with the pipeline project:

https://www.atsdr.cdc.gov/sites/coldwater_creek/index.html

If there will be open cut trenching in the Coldwater Creek floodway, plans will need to include cross-section and any other appropriate information to show the existing and proposed ground surface will not change. Also, any excavation in the floodway needs to be shown to be removed from the floodway. Temporary stockpiling is not permitted within the floodway.

Thanks,

Greg Marshall, P.E., Project Manager III
St. Louis County Transportation Dept., Civil Plan Review Section
41 S. Central Ave., 6th fl., Clayton, MO 63105
314-615-8678

From: Marshall, Gregory

Sent: Friday, April 20, 2018 2:50 PM

To: 'Matt Tanner' <M.Tanner@gaiconsultants.com>

Cc: Ali Trunzo <A.Trunzo@gaiconsultants.com>; Robin Weissert <R.Weissert@gaiconsultants.com>; Hayes, James <JHayes@stlouisco.com>

Subject: RE: Spire STL Pipeline - St. Louis County Permit Applications

Mr. Tanner,

The floodplain study review has been completed and I am working on the Land Disturbance review and will have this done Monday or Tuesday. I am now able to focus my attention to this project to complete this as soon as possible.

If it has not already been done, this project needs to be submitted to MSD for review/approval or the Land Disturbance Plans and the Floodplain Study (or determination of no involvement)
When the Corps of Engineers approval is complete, please send in a copy.

The only remaining item I am working on for the Floodplain Study is regarding the County's requirement to tie the project survey information to a St. Louis County Benchmark. I did not see a specific benchmark identified in the plans. I saw the information about LiDAR being used for the survey data for the project. I have contacted the County's Survey Section to find out if there is any additional information needed regarding this.

Otherwise, there are no other comments to the floodplain study. 7 sets of the floodplain study plans and documents can be sent in for approval. I will hold them until the Corps of Engineer approval, and MSD Floodplain Study approval (or determination of no involvement) are submitted. If any additional survey information is needed, I can attach any supplemental documents to the approval sets.

I will contact you as soon as possible regarding the land disturbance plans.

Thanks,

Greg Marshall, P.E., Project Manager III
St. Louis County Transportation Dept., Civil Plan Review Section
41 S. Central Ave., 6th fl., Clayton, MO 63105
314-615-8678

From: Matt Tanner [<mailto:M.Tanner@gaiconsultants.com>]
Sent: Monday, April 16, 2018 9:53 AM
To: Marshall, Gregory <GMarshall@stlouisco.com>
Cc: Knoll, James <JMKnoll@stlouisco.com>; Ali Trunzo <A.Trunzo@gaiconsultants.com>; Robin Weissert <R.Weissert@gaiconsultants.com>
Subject: RE: Spire STL Pipeline - St. Louis County Permit Applications

Mr. Marshall,

We wanted to follow up with you again on this to see if you can provide an update on the status of this review.

Thank you
Matthew T. Tanner, P.E.
Senior Project Engineer

GAI Consultants, 300 Summers Street, Suite 1100, Charleston, WV 25301
T 304.926.8100 **D** 681.245.8854 **M** 304.963.3184

[Facebook](#) | [LinkedIn](#) | [Twitter](#) | [YouTube](#) | [News & Insights](#)



**ENGINEERING,
PLANNING, AND
ENVIRONMENTAL
CONSULTING SINCE 1958**

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

From: Matt Tanner
Sent: Wednesday, April 04, 2018 8:48 AM
To: 'Marshall, Gregory' <GMarshall@stlouisco.com>
Cc: 'Knoll, James' <JMKnoll@stlouisco.com>; Ali Trunzo <A.Trunzo@gaiconsultants.com>; Robin Weissert

Ali Trunzo

Subject: FW: Spire STL Pipeline - St. Louis County Permit Applications
Attachments: SWPPP ITEMS.docx; SLC standard notes.docx; C50213.pdf; C20372.pdf; C20371.pdf; C20370.pdf; haul route reviews.doc; sight distance sec40_25.pdf; Geotechnical Sec40_60.pdf

From: Marshall, Gregory [mailto:GMarshall@stlouisco.com]
Sent: Friday, April 27, 2018 3:07 PM
To: Matt Tanner <M.Tanner@gaiconsultants.com>
Cc: Ali Trunzo <A.Trunzo@gaiconsultants.com>; Robin Weissert <R.Weissert@gaiconsultants.com>
Subject: RE: Spire STL Pipeline - St. Louis County Permit Applications

Matt,

Here are the comments from the review of the land disturbance plans for the Spire STL pipeline project:

Include in the Plans/SWPPP book-

- Property (N/F) information

- The attached standard notes

- Cut/Fill information

- Haul route information (see attached)

- Show and dimension sawcuts for pavement removals for street crossings.

- Add "HT# 3373" in the lower right corner of the cover sheet

- Temporary construction entrance information –

 - Verify they meet sight distance requirements per Section 40.25 of the Design Criteria Manual (see attached)

 - Specify the circulation information for the entrances (which turning movements in and out of the entrances are allowed)

 - Specify if the entrances will require flagger control for their use if sight distance is not adequate.

- Special inspector information

- Provide a washdown station at each construction access, and include the BMP detail drawing for this in the plans.

- Provide easement information allowing work on the affected properties.

- Provide a geotechnical statement on the plans signed and sealed by a PE in the state of Missouri. (see attached statement – Section 40.60 page 4)

- Add the attached St. Louis County standard drawings to the plans.

- Label the roadway pavement type at each road crossing.

- Address the attached SWPPP items.

Provide the following items-

- MSD approval

- St. Louis County Parks Dept. approval

- MoDOT approval

- Corps of Engineers approval

- Response from FUSRAP and ATSDR for work along Coldwater Creek

Special Use Permit Application for temporary construction entrances on St. Louis County roadways. (pipeline crossings of S. Louis County roadways will be issued by separate Special Use Permit(s) by Mr. James Hayes. Coordinate with James at 314-615-8515, for the utility permit(s))
Contractors insurance certificate with the following information-

Add St. Louis County as additional insured.

Please provide a copy of the endorsement for St. Louis County being additional insured

Please show St. Louis County as a certificate holder; and add the following information in the Certificate Holder box:

St. Louis County

41 South Central Avenue

St. Louis, Missouri 63105

Copies of correspondence with other utility companies for coordination.

Floodplain Study Approval

If impacting the Bellefontaine Road Bridge #132 approach pavement, obtain St. Louis County Bridge Section approval. (Coordinate with the Chief Bridge Engineer, Ms. Pam Thebeau, at 314-615-8579)

Obtain approval from the St. Louis County Dept. of Planning for establishing a major land disturbance escrow for temporary and permanent BMP's provided with this project. Contact Ms. Debi Salberg in the Dept. of Planning for this escrow at 314-615-5464.

Address the following comments on the Plans/SWPPP book-

Spanish Lake is not an incorporated municipality in St. Louis County. Show this area as unincorporated St. Louis County on the Alignment Sheet Index.

Straw bales are not approved for use as a BMP within St. Louis County. Revise the plans as necessary to remove references to the use of straw bales.

Address sight distance for temporary construction access locations on Sheets 003, 003.1, 1006, 1009, 1011

Relocate the temporary construction access on Spanish Pond Road on Sheet 1009 across from the existing parking lot driveway, if possible.

Show the limits of the reinforced concrete bridge approach pavement on Sheet 1006. Contact St. Louis County Dept. of Transportation Chief Bridge Engineer, Ms. Pam Thebeau, 314-615-8579, for Bellefontaine Road Bridge #132 information.

Provide grading details / cross-sections / etc. for work within the Coldwater Creek floodplain limits shown on Sheet 1005.

In Section 5.1 on Page 40 of the SWPPP book, note that if a rainfall event of less than 0.5 inch causes stormwater runoff to occur, St. Louis County requires an inspection to be conducted. Discuss how the BMP, Special Inspector will be notified when storm water runoff occurs on the construction site.

In Section 5.2 on Page 40 of the SWPPP book, note that it is mandatory to report any loss of contained sediment or other pollutant to the St. Louis County Dept. of Public Works

The LiDAR survey information is acceptable as provided for the floodplain study and the improvement plans.

Please contact me with any questions.

Thanks,

Greg Marshall, P.E., Project Manager III
St. Louis County Transportation Dept., Civil Plan Review Section
41 S. Central Ave., 6th fl., Clayton, MO 63105
314-615-8678

Ali Trunzo

From: Matt Tanner
Sent: Monday, April 16, 2018 10:53 AM
To: Marshall, Gregory
Cc: Knoll, James; Ali Trunzo; Robin Weissert
Subject: RE: Spire STL Pipeline - St. Louis County Permit Applications

Mr. Marshall,

We wanted to follow up with you again on this to see if you can provide an update on the status of this review.

Thank you

Matthew T. Tanner, P.E.

Senior Project Engineer

GAI Consultants, 300 Summers Street, Suite 1100, Charleston, WV 25301

T 304.926.8100 **D** 681.245.8854 **M** 304.963.3184

[Facebook](#) | [LinkedIn](#) | [Twitter](#) | [YouTube](#) | [News & Insights](#)



**ENGINEERING,
PLANNING, AND
ENVIRONMENTAL
CONSULTING SINCE 1958**

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

From: Matt Tanner
Sent: Wednesday, April 04, 2018 8:48 AM
To: 'Marshall, Gregory' <GMarshall@stlouisco.com>
Cc: 'Knoll, James' <JMKnoll@stlouisco.com>; Ali Trunzo <A.Trunzo@gaiconsultants.com>; Robin Weissert <R.Weissert@gaiconsultants.com>
Subject: RE: Spire STL Pipeline - St. Louis County Permit Applications

Mr. Marshall,

We wanted to follow up again with you on this. We respectfully request that you review this information at your earliest opportunity. This application was submitted over 3 months ago and we have not yet received any feedback. We realize that due to the holidays the application was not processed until the first part of January. We also realize that a modification to the original application was submitted the first week of March.

I apologize if you sent something last week and I missed it.

Thank you

Matthew T. Tanner, P.E.

Senior Project Engineer

GAI Consultants, 300 Summers Street, Suite 1100, Charleston, WV 25301

T 304.926.8100 **D** 681.245.8854 **M** 304.963.3184

[Facebook](#) | [LinkedIn](#) | [Twitter](#) | [YouTube](#) | [News & Insights](#)



**ENGINEERING,
PLANNING, AND
ENVIRONMENTAL
CONSULTING SINCE 1958**

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

From: Marshall, Gregory [<mailto:GMarshall@stlouisco.com>]
Sent: Tuesday, March 27, 2018 9:50 AM
To: Matt Tanner <M.Tanner@gaiconsultants.com>
Subject: Re: Spire STL Pipeline - St. Louis County Permit Applications

Matt,

I'm sorry I was not able to complete the review yesterday. Unfortunately, due to our staff being shorthanded, things did not go as planned yesterday. I am not in the office today, but will be able to work on this project and contact tomorrow. I will block out time on my calendar to make sure this happens.

Thanks,

Greg

From: Marshall, Gregory
Sent: Monday, March 26, 2018 9:44 AM
To: 'Matt Tanner'
Cc: Ali Trunzo; Robin Weissert; Knoll, James
Subject: RE: Spire STL Pipeline - St. Louis County Permit Applications

Matt,

Thanks for following up on this. I am working on this project today and will contact you later today with the status of everything.

Thanks,

Greg Marshall, P.E., Project Manager III
St. Louis County Transportation Dept., Civil Plan Review Section
41 S. Central Ave., 6th fl., Clayton, MO 63105
314-615-8678

From: Matt Tanner [<mailto:M.Tanner@gaiconsultants.com>]
Sent: Monday, March 12, 2018 4:58 PM
To: Marshall, Gregory <GMarshall@stlouisco.com>
Cc: Ali Trunzo <A.Trunzo@gaiconsultants.com>; Robin Weissert <R.Weissert@gaiconsultants.com>; Knoll, James <JMKnoll@stlouisco.com>
Subject: RE: Spire STL Pipeline - St. Louis County Permit Applications

Mr. Marshall,

I wanted to follow up with you on this application, as we've not received any feedback since your email on February 7th. Also, a modification to the permit application was submitted early last week, so I wanted to confirm that you received the documents. The package was delivered to the County office on Monday March 5th.

Thank you

Matthew T. Tanner, P.E.
Senior Project Engineer

GAI Consultants, 300 Summers Street, Suite 1100, Charleston, WV 25301
T 304.926.8100 **D** 681.245.8854 **M** 304.963.3184

Ali Trunzo

To: Matt Tanner; Robin Weissert
Subject: RE: Spire Pipeline

From: Jeff Hennigh [<mailto:jhennigh@stlmsd.com>]
Sent: Monday, April 02, 2018 8:28 AM
To: Matt Tanner <M.Tanner@gaiconsultants.com>
Subject: RE: Spire Pipeline

You will likely only need the drainage maps for the facilities portions but it is hard to tell without seeing the plans and scope of impact. It is also difficult to narrow the map areas down for the structure numbers at each crossing. If you have exhibits of the crossings with the nearest address, I will be able to get you the maps ahead of time. We usually send those maps after the first review as many people do not have this mapping information during initial design. We will be able to print you the base map footprints of your topo so you can match our structure numbers to your field survey. I hope that helps.

Jeff

From: Matt Tanner [<mailto:M.Tanner@gaiconsultants.com>]
Sent: Sunday, April 01, 2018 8:46 PM
To: Jeff Hennigh
Subject: RE: Spire Pipeline

Mr. Hennigh,

In addition to the question below, will the drainage maps noted on Number 19 of the submittal checklist be required for both the areas where the pipeline will cross the MSD's system and the facilities portions of the project? Or just for the facilities portion?

Thank you again for your assistance.
Matt Tanner

From: Matt Tanner
Sent: Friday, March 30, 2018 4:45 PM
To: Jeff Hennigh
Cc: Ali Trunzo; Robin Weissert
Subject: RE: Spire Pipeline

Mr. Hennigh,

Thank you. Is it possible to receive this information for the drawings ahead of the initial review to save time? If so, would we need to provide you with shp files or drawings? I understand that there are security concerns with distributing this information.

Matthew T. Tanner, P.E.
Senior Project Engineer

GAI Consultants, 300 Summers Street, Suite 1100, Charleston, WV 25301
T 304.926.8100 **D** 681.245.8854 **M** 304.963.3184

[Facebook](#) | [LinkedIn](#) | [Twitter](#) | [YouTube](#) | [News & Insights](#)



ENGINEERING,
PLANNING, AND
ENVIRONMENTAL
CONSULTING SINCE 1958

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

From: Jeff Hennigh [<mailto:jhennigh@stlmsd.com>]
Sent: Wednesday, March 28, 2018 5:02 PM
To: Matt Tanner <M.Tanner@gaiconsultants.com>
Subject: RE: Spire Pipeline

Most people don't have that information and we provide it after the first review. If we sent you and preliminary base maps they may have been on there. No worries if you don't have it on the first submittal.

Jeff

From: Matt Tanner [<mailto:M.Tanner@gaiconsultants.com>]
Sent: Wednesday, March 28, 2018 12:40 PM
To: Jeff Hennigh
Subject: RE: Spire Pipeline

Thank you. Is the information for the MSD Benchmarks, Manhole numbers, and base map numbers something that the MSD can provide for inclusion on the Project mapping? If so, what is the process for obtaining this information?

Matthew T. Tanner, P.E.
Senior Project Engineer

GAI Consultants, 300 Summers Street, Suite 1100, Charleston, WV 25301
T 304.926.8100 **D** 681.245.8854 **M** 304.963.3184

[Facebook](#) | [LinkedIn](#) | [Twitter](#) | [YouTube](#) | [News & Insights](#)



ENGINEERING,
PLANNING, AND
ENVIRONMENTAL
CONSULTING SINCE 1958

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

From: Jeff Hennigh [<mailto:jhennigh@stlmsd.com>]
Sent: Wednesday, March 28, 2018 9:58 AM
To: Matt Tanner <M.Tanner@gaiconsultants.com>
Subject: RE: Spire Pipeline

This is more of a checklist for the reviewer and maybe doesn't need to be on the website. I have attached a checklist more applicable to a new submittal. It is on the back of our submittal forms. The items with the line through them may not be necessary.....and during review more information may be necessary but this should get us going.

Jeff

From: Matt Tanner [<mailto:M.Tanner@gaiconsultants.com>]
Sent: Tuesday, March 27, 2018 1:59 PM
To: Jeff Hennigh
Cc: Ali Trunzo; Robin Weissert
Subject: RE: Spire Pipeline

telephone log



gai consultants

Date: 04/02/2018

Project / Admin. No.: E160438.00

Call From: Matt Tanner

Company: GAI Consultants

Phone No.: 681-245-8854

Call To: Jeff Hennigh, P.E., Civil Engineer

Company: Metropolitan St. Louis Sewer District, St. Louis County, Missouri

Phone No.: 314-768-6343

Subject: Clarification for Required Pipeline Drawing Submittals to MSD

cc:

Summary of Discussion, Decisions, and Commitments:

I contacted Mr. Jeff Hennigh to get clarification on drawing requirements for the submittal to the MSD for review of locations where the pipeline will cross the MSDs existing sewers. In particular, I asked about whether the MSD could provide the existing structure numbers and benchmarks prior to the initial drawing submittal. Mr. Hennigh said that they can provide PDF mapping of the MSD benchmarks and structure numbers. However, in order to provide this information, he will need PDF exhibits showing each of the crossings and an address near the crossing. He said that most of the time, the applicants don't have these figures available until the application is submitted so the MSD typically provides the mapping along with any comments from the initial review. Once Mr. Hennigh receives the exhibits, he will use them to zoom in to the locations in their system and create PDFs for our reference. Mr. Hennigh said that he's not able to use shp files, so PDF exhibits are required. He estimated that it would take about a day or two to pull the information once he's received the exhibits. He said that these MSD numbers were a very minor item compared to other things that they would be looking at in their review.

Ali Trunzo

Subject: FW: Spire Pipeline

From: Matt Tanner
Sent: Tuesday, March 27, 2018 2:59 PM
To: Jeff Hennigh <jhennigh@stlmsd.com>
Cc: Ali Trunzo <A.Trunzo@gaiconsultants.com>; Robin Weissert <R.Weissert@gaiconsultants.com>
Subject: RE: Spire Pipeline

Mr. Hennigh,

After review of the plan review checklist, we would like to request clarification on which the MSD will require for this type of project. Additionally some of the items appear to be specific for the plan reviewer or do not appear to be applicable to this type of project. Can you please clarify which of the following that the MSD will expect to see on the pipeline drawings that we submit to the MSD? We are assuming that the items noted on the Sanitary and Storm Review Pages will not be required for the pipeline drawings.

1. Information File Merged
2. MSD P# and Base Map No.
3. Nearby P-Jobs
4. Addendum, Revision, Supersede
5. Surcharge, Recoupment, Subdistrict Area
6. Maintenance Comments
7. MSD Benchmark
8. Municipal Requirements
9. Field Visit (Assumed to be for reviewer)
10. MSD Structure Numbers
11. Subdivision Plat
12. Special Structure/Sealed Calcs and Details
13. Public Sewer Maintenance
14. Compacted Fill
15. C-900 Pipe
16. Septic Tank Abandonment (Assumed not required)
17. Swimming Pool Backwash (Assumed not required)
18. Contr. Insurance (Offsite)

Thank you again for your assistance.

Matthew T. Tanner, P.E.
Senior Project Engineer
GAI Consultants, 300 Summers Street, Suite 1100, Charleston, WV 25301
T 304.926.8100 D 681.245.8854 M 304.963.3184
Facebook | LinkedIn | Twitter | YouTube | News & Insights

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes

any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

-----Original Message-----

From: Jeff Hennigh [<mailto:jhennigh@stlmsd.com>]

Sent: Monday, March 19, 2018 2:07 PM

To: Matt Tanner <M.Tanner@gaiconsultants.com>

Subject: RE: Spire Pipeline

You could just put your ending station there in north St. Louis. Thanks.

Jeff

-----Original Message-----

From: Matt Tanner [<mailto:M.Tanner@gaiconsultants.com>]

Sent: Monday, March 19, 2018 12:06 PM

To: Jeff Hennigh

Subject: RE: Spire Pipeline

Mr. Hennigh,

We are working on the drawings that you requested for the Spire Pipeline Project and had a quick question. The plan review checklist asked for an address and zip code. How would you prefer that this be addressed since this is a linear project? Is this referring to the properties on which the pipeline will cross the MSD's sewer lines?

Thank you

Matthew T. Tanner, P.E.

Senior Project Engineer

GAI Consultants, 300 Summers Street, Suite 1100, Charleston, WV 25301

T 304.926.8100 D 681.245.8854 M 304.963.3184

Facebook | LinkedIn | Twitter | YouTube | News & Insights

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

Ali Trunzo

Subject: FW: Spire STL Pipeline - St. Louis County Permit Applications

From: Marshall, Gregory [<mailto:GMarshall@stlouisco.com>]
Sent: Tuesday, March 27, 2018 9:50 AM
To: Matt Tanner <M.Tanner@gaiconsultants.com>
Subject: Re: Spire STL Pipeline - St. Louis County Permit Applications

Matt,
I'm sorry I was not able to complete the review yesterday. Unfortunately, due to our staff being shorthanded, things did not go as planned yesterday. I am not in the office today, but will be able to work on this project and contact tomorrow. I will block out time on my calendar to make sure this happens.
Thanks,
Greg

From: Marshall, Gregory
Sent: Monday, March 26, 2018 9:44 AM
To: 'Matt Tanner'
Cc: Ali Trunzo; Robin Weissert; Knoll, James
Subject: RE: Spire STL Pipeline - St. Louis County Permit Applications

Matt,
Thanks for following up on this. I am working on this project today and will contact you later today with the status of everything.
Thanks,
Greg Marshall, P.E., Project Manager III
St. Louis County Transportation Dept., Civil Plan Review Section
41 S. Central Ave., 6th fl., Clayton, MO 63105
314-615-8678

From: Matt Tanner [<mailto:M.Tanner@gaiconsultants.com>]
Sent: Monday, March 12, 2018 4:58 PM
To: Marshall, Gregory <GMarshall@stlouisco.com>
Cc: Ali Trunzo <A.Trunzo@gaiconsultants.com>; Robin Weissert <R.Weissert@gaiconsultants.com>; Knoll, James <JMKnoll@stlouisco.com>
Subject: RE: Spire STL Pipeline - St. Louis County Permit Applications

Mr. Marshall,

I wanted to follow up with you on this application, as we've not received any feedback since your email on February 7th. Also, a modification to the permit application was submitted early last week, so I wanted to confirm that you received the documents. The package was delivered to the County office on Monday March 5th.

Thank you
Matthew T. Tanner, P.E.
Senior Project Engineer

GAI Consultants, 300 Summers Street, Suite 1100, Charleston, WV 25301

T 304.926.8100 D 681.245.8854 M 304.963.3184

[Facebook](#) | [LinkedIn](#) | [Twitter](#) | [YouTube](#) | [News & Insights](#)



**ENGINEERING,
PLANNING, AND
ENVIRONMENTAL
CONSULTING SINCE 1958**

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

telephone log



gai consultants

Date: 03/20/2017

Project / Admin. No.: E160438.00

Call From: Matt Tanner

Company: GAI Consultants

Phone No.: 681-245-8854

Call To: Jim Knoll, PE, CFM - Supervisor, Project Managers

Company: St. Louis County, Missouri

Phone No.: 314-615-8554

Subject: Land Disturbance and Floodplain Permit Application Review Update Request

cc:

Summary of Discussion, Decisions, and Commitments:

I contacted Mr. Jim Knoll to request an update on the County's review of the Spire Land Disturbance and Floodplain permit applications. I told him that we have been trying to get in contact with the permit reviewer, Greg Marshall, but have not been able to get a response. Mr. Knoll said that he would talk with Mr. Marshall and make sure that he gives me a call back with an update on the status.



March 2, 2018

Project E160438.00, Task 008.007

Mr. James Knoll, PE, CFM
 Supervisor, Project Managers
 Civil Plan Review
 St. Louis County Department of Transportation
 41 S. Central Avenue
 Clayton, Missouri 63105

**St. Louis County Land Disturbance Permit Application Modification
 Spire STL Pipeline LLC
 Spire STL Pipeline
 Scott, Greene, and Jersey Counties, Illinois
 and St. Charles and St. Louis Counties, Missouri**

Dear Mr. Knoll:

GAI Consultants, Inc. (GAI), on behalf of Spire STL Pipeline, LLC (Spire), is submitting this modification to the St. Louis County Land Disturbance Permit application for the Spire STL Pipeline Project (Project) submitted on December 20, 2017 (PAC Project No. 18PAC-00002 / 18LND-00001 / 15900 JAMESTOWN RD). The proposed modification includes multiple minor adjustments to the pipeline alignment and right-of-way (ROW) and a revision to the pipeline route and proposed crossing method at Coldwater Creek. A table summarizing the proposed modifications along with brief explanations for each proposed modification is included below.

**Table 1
 Proposed Project Modifications (St. Louis County Portion)**

Approximate STA. Nos. (MP)	Description of Modification ¹	Justification for Modification	Sheet Number
Laclede/Lange Delivery Station	Shifted additional temporary workspace (ATWS) on Blue Spruce Lane to the north.	ATWS adjusted to provide FERC required 50-foot offset from stream SMO-DFW-002.	STLP-LDP-SLC-003 Laclede-Lange Pad
North County Extension Pipeline			
STA. 0+00 to 33+00 (MP 0.0R3-0.6R3)	Minor alignment/workspace modification 10' ±.	Adjustments required due to parcel line rectification based on deed and title information.	STLP-LDP-SLC-1001 to STLP-LDP-SLC-1002
STA. 47+00 (MP 0.9)	Reduced Temporary Workspace (TWS).	TWS reduced for reduction of impacts from construction right-of-way at crossing of stream SMO-JJP-022.	STLP-LDP-SLC-1002
STA. 50+00 to 84+00 (MP 0.9-1.6)	Minor alignment/workspace modification 12' ±.	Adjustments required due to parcel line rectification based on deed and title information.	STLP-LDP-SLC-1003
STA. 84+00 to 134+00 (MP 1.6-2.6R3)	Reroute and request for open cut crossing of Coldwater Creek; Addition of temporary access roads TAR-028 (approximately 290 feet) and TAR-029 (approximately 1,202 feet).	Improved constructability for crossing of U.S. Highway 367 and Coldwater Creek due to subsurface conditions along previously proposed horizontal directional drill (HDD) crossing route.	STLP-LDP-SLC-1004 to STLP-LDP-SLC-1006

Approximate STA. Nos. (MP)	Description of Modification ¹	Justification for Modification	Sheet Number
STA. 137+00 to 142+00 (MP 2.6-2.7)	Minor alignment/workspace modification 10' ±.	Improved constructability of pipeline at crossing of Bellefontaine Road.	STLP-LDP-SLC-1006
STA. 140+00 to 167+00 (MP 2.7-3.2)	Minor alignment/workspace modification 2' ±.	Adjustments required due to parcel line rectification based on deed and title information.	STLP-LDP-SLC-1006 to STLP-LDP-SLC-1007
STA. 167+00 to 198+00 (MP 3.2-3.7)	Minor alignment/workspace modification 30' ±.	Route adjusted to avoid potential wetland impacts.	STLP-LDP-SLC-1007 to STLP-LDP-SLC-1009
STA. 203+00 to 207+00 (MP 3.9)	Addition of access road TAR-030 (approximately 427 feet).	Access road provides improved constructability and better access for Spanish Lake HDD Crossing western workspace and pull back area.	STLP-LDP-SLC-1009
STA. 238+00 to 298+00 (MP 4.5-5.5)	Minor alignment/workspace modification 5' ±. Extend TAR-026 workspace and reduce TAR-027 workspace	Adjustments required due to parcel line rectification based on deed and title information. Temporary access road workspaces revised to meet public road.	STLP-LDP-SLC-1010 to STLP-LDP-SLC-1012
STA. 318+00 (MP 6.0R)	Minor alignment/workspace modification 3' ±.	Adjustments required due to parcel line rectification based on deed and title information.	STLP-LDP-SLC-1014

¹ This table summarizes changes that have occurred since the initial Land Disturbance Permit application package was submitted on December 20, 2017. Changes smaller than ½ of the diameter of the pipeline (i.e., 12 inches) was not considered to be a change.

With the proposed changes summarized above, the proposed Project acreage of disturbance within St. Louis County is estimated to be 111.5 acres. This is an increase of 4.7 acres from that the estimated acreage noted in the original submittal. The Project erosion and sediment control plan (ESCP) drawings have been revised based on the proposed changes. A copy of the revised ESCP is enclosed for your review.

Spire and GAI thank you in advance for your review of this information. If you have any questions regarding this submission, please feel free to contact me at 681.245.8854 or by e-mail at m.tanner@gaiconsultants.com.

Sincerely,

GAI Consultants, Inc.



Matthew T. Tanner, P.E.
 Senior Project Engineer



Robin Weissert
 Assistant Environmental Manager

MTT:RW/lmt

Enclosures

Ali Trunzo

Subject: FW: Spire Pipeline

-----Original Message-----

From: Jeff Hennigh [mailto:jhennigh@stlmsd.com]

Sent: Thursday, February 22, 2018 9:01 AM

To: Matt Tanner <M.Tanner@gaiconsultants.com>

Cc: Ali Trunzo <A.Trunzo@gaiconsultants.com>; Robin Weissert <R.Weissert@gaiconsultants.com>; John Alexander <JCALEX@stlmsd.com>

Subject: RE: Spire Pipeline

Matt,

Sounds like you are on the right track. The link below has a general checklist you can follow for what to include on the submittal. The submittal should be a full set of construction documents with title page and sheet index. You may omit sheets not necessary for stormwater, grading and construction crossing analysis and should include the construction method (open trench, bore, etc.) at the crossing. If I recall correctly, were you thinking of submitting the monitoring station at the end of the pipeline under a separate submittal? You may want to note that on the submittal along with the reference "18INFOR-00062".

<https://www.stlmsd.com/msd-work/plan-review/plan-review-documents>

-----Original Message-----

From: Matt Tanner [mailto:M.Tanner@gaiconsultants.com]

Sent: Wednesday, February 21, 2018 3:00 PM

To: Jeff Hennigh

Cc: Ali Trunzo; Robin Weissert

Subject: RE: Spire Pipeline

Mr. Hennigh,

This email is a follow up to our phone conversation on January 19, 2018 regarding the requirements for the pipeline construction portion of the Spire STL Pipeline project. Spire plans to show the sewer line crossing locations that were identified during the pipeline survey and estimated depths (where information regarding existing depths of utilities is available) on the pipeline alignment sheets used for construction. Additionally, they proposed to dig test pits at the crossing locations to an appropriate depth to identify the location and depths of the existing sewer pipelines prior to installation of the new gas pipeline. The minimum depth of cover proposed for the new gas pipeline is 5 feet. Notes will be included stating that a minimum of 2 feet of clearance above or below the existing sewer line will be maintained for construction of the proposed gas pipeline.

We wanted to confirm with you whether the MSD would be ok with this approach prior to submittal for review. Please let us know if you have any questions.

Thank you

Matthew T. Tanner, P.E.

Senior Project Engineer

GAI Consultants, 300 Summers Street, Suite 1100, Charleston, WV 25301

T 304.926.8100 D 681.245.8854 M 304.963.3184

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

Ali Trunzo

From: Matt Tanner
Sent: Wednesday, February 21, 2018 8:55 AM
To: Marshall, Gregory
Cc: Ali Trunzo; Robin Weissert
Subject: RE: Spire STL Pipeline - St. Louis County Permit Applications

Mr. Marshall,

I wanted to follow up with you on the email below and the voicemail that I left on 2/12. Can you please tell me what the status is of your review? I wanted to be sure that I hadn't accidentally missed the review comments.

Thank you
Matthew T. Tanner, P.E.
Senior Project Engineer

GAI Consultants, 300 Summers Street, Suite 1100, Charleston, WV 25301
T 304.926.8100 **D** 681.245.8854 **M** 304.963.3184

[Facebook](#) | [LinkedIn](#) | [Twitter](#) | [YouTube](#) | [News & Insights](#)



**ENGINEERING,
PLANNING, AND
ENVIRONMENTAL
CONSULTING SINCE 1958**

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

From: Marshall, Gregory [<mailto:GMarshall@stlouisco.com>]
Sent: Wednesday, February 07, 2018 8:32 AM
To: Matt Tanner <M.Tanner@gaiconsultants.com>
Cc: Ali Trunzo <A.Trunzo@gaiconsultants.com>
Subject: RE: Spire STL Pipeline - St. Louis County Permit Applications

Mr. Tanner,
I will email the comments as well. I apologize I have not been able to complete the review, and should have it done today. Unfortunately we are extremely short staffed right now. I am able to get back to finishing this project today and will email you later.
Thank you,

Greg Marshall, P.E., Project Manager III
St. Louis County Transportation Dept., Civil Plan Review Section
41 S. Central Ave., 6th fl., Clayton, MO 63105
314-615-8678

From: Matt Tanner [<mailto:M.Tanner@gaiconsultants.com>]
Sent: Monday, February 05, 2018 3:20 PM
To: Marshall, Gregory <GMarshall@stlouisco.com>
Cc: Ali Trunzo <A.Trunzo@gaiconsultants.com>
Subject: RE: Spire STL Pipeline - St. Louis County Permit Applications

Mr. Marshall,

Can you tell us if we should look for your review comments via email or in a letter through standard mail? If via standard mail, is it possible to have a copy emailed to us as well?

Thank you

Matthew T. Tanner, P.E.

Senior Project Engineer

GAI Consultants, 300 Summers Street, Suite 1100, Charleston, WV 25301

T 304.926.8100 **D** 681.245.8854 **M** 304.963.3184

[Facebook](#) | [LinkedIn](#) | [Twitter](#) | [YouTube](#) | [News & Insights](#)



**ENGINEERING,
PLANNING, AND
ENVIRONMENTAL
CONSULTING SINCE 1958**

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

From: Marshall, Gregory [<mailto:GMarshall@stlouisco.com>]
Sent: Thursday, February 01, 2018 1:39 PM
To: Matt Tanner <M.Tanner@gaiconsultants.com>
Cc: Ali Trunzo <A.Trunzo@gaiconsultants.com>; Martin, Penny <Pmartin@stlouisco.com>
Subject: RE: Spire STL Pipeline - St. Louis County Permit Applications

Matt,

I am currently reviewing the project and should have it completed by tomorrow. I will contact you tomorrow regarding the project.

Regarding the contractors:

For any Special Use Permits that need to be issued for work in County road rights-of-way, The Dept. of Transportation needs a copy of the contractors certificate of insurance that states (in the description box) St. Louis County is an additional insured, and lists St. Louis County, 41 S. Central Ave., Clayton, MO 63105 is a certificate holder. And also we need a copy of the endorsement sheet(s) for the additional insured. Public Works might need additional information from the Contractor. You can contact Penny Martin at the Permit Application Center regarding their requirements. The phone number is 314-615-4269. I copied Penny Martin on this email. I also attached a copy of the land disturbance application and PAC application for this project.

Thanks,

Greg Marshall, P.E., Project Manager III
St. Louis County Transportation Dept., Civil Plan Review Section
41 S. Central Ave., 6th fl., Clayton, MO 63105
314-615-8678

From: Matt Tanner [<mailto:M.Tanner@gaiconsultants.com>]
Sent: Wednesday, January 31, 2018 8:16 AM
To: Marshall, Gregory <GMarshall@stlouisco.com>
Cc: Ali Trunzo <A.Trunzo@gaiconsultants.com>
Subject: RE: Spire STL Pipeline - St. Louis County Permit Applications

Mr. Marshall,

I am writing to follow up on the status of the County's review of the Land Disturbance and Floodplain Permit applications. At your convenience, can you please let me know when you estimate you will be reviewing this application?

Additionally, a question has come up regarding County approval of Contractors working on this project. Other than a business and/or contractor's license, is there anything tied to either of these permits that would require the County to approve the Contractors on this project? We understand that the special inspectors for compliance with the Major Land Disturbance Permit are required to be approved by the County, but we have not been able to find any additional approval requirements for the Contractors.

Thank you

Matthew T. Tanner, P.E.

Senior Project Engineer

GAI Consultants, 300 Summers Street, Suite 1100, Charleston, WV 25301

T 304.926.8100 **D** 681.245.8854 **M** 304.963.3184

[Facebook](#) | [LinkedIn](#) | [Twitter](#) | [YouTube](#) | [News & Insights](#)



**ENGINEERING,
PLANNING, AND
ENVIRONMENTAL
CONSULTING SINCE 1958**

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

Ali Trunzo

Subject: FW: Spire Pipeline Contractor Question

From: Jeff Hennigh [<mailto:jhennigh@stlmsd.com>]

Sent: Wednesday, January 31, 2018 10:36 AM

To: Matt Tanner <M.Tanner@gaiconsultants.com>

Subject: FW: Spire Pipeline Contractor Question

And yes, new regulations do come out tomorrow but it isn't a drastic change in design. You may not even notice a difference.

Thank you

Jeff

Information about the new MSD project tracking system.

The MSD Development Review, Permitting, and Construction Inspection customer website is now live. Please click on the link below and Register for an Account. Please be sure to enter your email address. With this website, you will be able to submit and view development plans and obtain permits online.

<https://aca3.accela.com/STLMSD>

If you have any questions please contact MSD Development Review at 314-768-6272.

From: Jeff Hennigh

Sent: Wednesday, January 31, 2018 9:23 AM

To: 'Matt Tanner'

Subject: RE: Spire Pipeline Contractor Question

License drainlayers are required to pull any permits and there are prevailing wage requirements for relocating existing sewers. This would only relate to sewer work, not pipeline work.

Thank you

Jeff

Information about the new MSD project tracking system.

The MSD Development Review, Permitting, and Construction Inspection customer website is now live. Please click on the link below and Register for an Account. Please be sure to enter your email address. With this website, you will be able to submit and view development plans and obtain permits online.

<https://aca3.accela.com/STLMSD>

If you have any questions please contact MSD Development Review at 314-768-6272.

From: Matt Tanner [<mailto:M.Tanner@gaiconsultants.com>]

Sent: Wednesday, January 31, 2018 8:56 AM

To: Jeff Hennigh

Cc: Ali Trunzo

Subject: Spire Pipeline Contractor Question

Mr. Hennigh,

A question has come up regarding County or Agency approvals of the contractors to be used for construction of the Spire pipeline project. Are there any requirements that the MSD approve the contractors to be used prior to construction? I have not been able to find anything on the MSD's website that indicates approval of contractors.

Also, am I correct that a revised version of the MSD's Rules and Regulations and Engineering Design Requirements will take effect tomorrow (2/1/18)? I found a resolution on the MSD's website that indicated this, but wanted to confirm.

Thank you for your help.

Matthew T. Tanner, P.E.

Senior Project Engineer

GAI Consultants, 300 Summers Street, Suite 1100, Charleston, WV 25301

T 304.926.8100 **D** 681.245.8854 **M** 304.963.3184

[Facebook](#) | [LinkedIn](#) | [Twitter](#) | [YouTube](#) | [News & Insights](#)



**ENGINEERING,
PLANNING, AND
ENVIRONMENTAL
CONSULTING SINCE 1958**

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

telephone log



gai consultants

Date: 01/19/2018

Project / Admin. No.: E160438.00

Call From: Matt Tanner

Company: GAI Consultants

Phone No.: 681-245-8854

Call To: Jeff Hennigh

Company: St. Louis Metropolitan Sewer District

Phone No.: 314-768-6343

Subject: Permitting

cc:

Summary of Discussion, Decisions, and Commitments:

Mr. Hennigh met with his boss yesterday morning to go over what they would expect for the Spire project. He told me that there would be no submittal required with regards to the tree clearing and grubbing stage of the project. He said that typically, St. Louis County will want to see some type of confirmation from the MSD that a project has been cleared through them prior to issuing a land disturbance permit. Mr. Hennigh told me that once we receive such a request from the County, we can email him and they'll send a letter or email to the County.

He said that a formal submittal would be needed for the pipeline and facility construction portion. For the pipeline, they will want to see figures showing the proposed pipeline at the locations where it will cross their sewers. They will want to see locations of the pipeline relative to the sewer lines, clearances/spacing, and information on how the pipeline will be constructed at those locations. They are trying to avoid any damage to their system along with any service interruptions. They will also want to make sure that there would be no access interruptions that would prevent a crew from accessing the MSDs sewer system.

For the facilities, he said that they have options for both a conceptual review and a formal review of a project. In the conceptual review, they would want to see plan drawings including facility footprint, property boundaries, paved areas, existing features, etc. along with calculations for the differential runoff. Using this information they will look at location, size, and receiving waters and can provide comments to define the PCSM requirements that will need to be implemented at the facility. He said that some developers skip the conceptual review stage, although these are typically people who have worked in the St. Louis area for a long time and are familiar with the requirements. I told him that we had mentioned to Spire that a conceptual review of the facilities by the MSD was available. The formal design review would include a review of the design calculations and construction design documents.

telephone log



gai consultants

Date: 01/17/2018

Project / Admin. No.: E160438.00

Call From: Matt Tanner

Company: GAI Consultants

Phone No.: 681-245-8854

Call To: Jeff Hennigh

Company: St. Louis Metropolitan Sewer District

Phone No.: 314-768-6343

Subject: Permitting

cc:

Summary of Discussion, Decisions, and Commitments:

I had requested clarification on what the MSD wants to see with regards to the sewer line crossings. Today, he returned my call and told me that he has a meeting scheduled with his boss tomorrow morning to discuss what needs to be done. He will call to follow up after that meeting.

Ali Trunzo

From: Marshall, Gregory <GMarshall@stlouisco.com>
Sent: Wednesday, January 17, 2018 12:01 PM
To: Matt Tanner
Cc: Knoll, James; Ali Trunzo
Subject: FW: Spire STL Pipeline - St. Louis County Permit Applications

Mr. Tanner,

I have been assigned this project to review. I currently have several projects ahead of this one and will get to this review as soon as possible and will get back to you. Please contact me with any questions.

Thanks,

Greg Marshall, P.E., Project Manager III
St. Louis County Transportation Dept., Civil Plan Review Section
41 S. Central Ave., 6th fl., Clayton, MO 63105
314-615-8678

From: Matt Tanner [<mailto:M.Tanner@gaiconsultants.com>]
Sent: Wednesday, January 17, 2018 8:00 AM
To: Knoll, James <JMKnoll@stlouisco.com>
Cc: Ali Trunzo <A.Trunzo@gaiconsultants.com>
Subject: Spire STL Pipeline - St. Louis County Permit Applications

Mr. Knoll,

I am writing to check on the status of the County's review of the Land Disturbance and Floodplain Development Permit applications for the Spire STL Pipeline (18PAC-00002 / 18LND-00001 / 15900 JAMESTOWN RD.). I understand that there was a question on the original submittal sent on December 20, 2017 with Project Address listed on the PAC Project Tracking Application. This was addressed, but it appears to have held up the PAC processing until January 4th. Please let us know if there are any questions regarding the project or if additional information is needed.

Thank you

Matthew T. Tanner, P.E.
Senior Project Engineer

GAI Consultants, 300 Summers Street, Suite 1100, Charleston, WV 25301
T 304.926.8100 **D** 681.245.8854 **M** 304.963.3184

[Facebook](#) | [LinkedIn](#) | [Twitter](#) | [YouTube](#) | [News & Insights](#)



**ENGINEERING,
PLANNING, AND
ENVIRONMENTAL
CONSULTING SINCE 1958**

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

Ali Trunzo

Subject: FW: Spire Pipeline
Attachments: Spire Gas Pipeline.pdf

-----Original Message-----

From: Jeff Hennigh [mailto:jhennigh@stlmsd.com]
Sent: Tuesday, January 09, 2018 4:12 PM
To: Matt Tanner <M.Tanner@gaiconsultants.com>
Subject: RE: Spire Pipeline

Matt,

Here is the rough overlay of your alignment on MSD base maps. A few record crossings have been preliminarily identified as area's MSD would need to review the crossing detail. Things may change by the time the pipeline goes in so your field survey should be used for design and final plan preparation for formal review. Due to file size, please let me know that this email was received.

Thank you

Jeff

Information about the new MSD project tracking system.

The MSD Development Review, Permitting, and Construction Inspection customer website is now live. Please click on the link below and Register for an Account. Please be sure to enter your email address. With this website, you will be able to submit and view development plans and obtain permits online.
<https://aca3.accela.com/STLMSD>
If you have any questions please contact MSD Development Review at 314-768-6272.

-----Original Message-----

From: Matt Tanner [mailto:M.Tanner@gaiconsultants.com]
Sent: Thursday, December 14, 2017 8:46 AM
To: Jeff Hennigh
Cc: Ali Trunzo; Robin Weissert; Ferry, Lori M
Subject: RE: Spire Pipeline

Mr. Hennigh,

As requested, please see the attached shp files for the St. Louis County portion of the Spire STL Pipeline Project. These files are in the NAD 1983 UTM Zone 15N US Feet coordinate system. Please note that these files contain minor changes to the proposed pipeline route and workspaces that have occurred since the FERC Environmental Assessment was issued. Also note that the route shown in these files includes three proposed HDD borings. One is for the crossing of the Missouri River from St. Charles County. The second is for the crossing of U.S. Highway 67 and Coldwater Creek. The third is a crossing beneath Sunfish Lake (approx. Lat. 38.800270°, Long. -90.195901°). The workspace shp files attached include the proposed HDD routes even though aboveground disturbance would not be required along the bore path.

Please let us know if you have any questions.

Thank you
Matthew T. Tanner, P.E.

Senior Project Engineer

300 Summers Street, Suite 1100, Charleston, WV 25301

T 304.926.8100 D 681.245.8854 M 304.963.3184

Connect with GAI | Facebook | LinkedIn | Twitter | YouTube | News & Insights

GAI Consultants provides local expertise to worldwide clients in the energy, transportation, development, government, and industrial markets.

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

-----Original Message-----

From: Jeff Hennigh [mailto:jhennigh@stlmsd.com]

Sent: Friday, December 08, 2017 9:33 AM

To: Matt Tanner <M.Tanner@gaiconsultants.com>

Subject: Spire Pipeline

Here is my information.

Thank you

Jeff Hennigh, P.E.

Civil Engineer

Metropolitan St. Louis Sewer District

2350 Market Street

St. Louis, MO 63103

314-768-6343

Information about the new MSD project tracking system.

The MSD Development Review, Permitting, and Construction Inspection customer website is now live.

Please click on the link below and Register for an Account. Please be sure to enter your email address.

With this website, you will be able to submit and view development plans and obtain permits online.

<https://aca3.accela.com/STLMSD>

If you have any questions please contact MSD Development Review at 314-768-6272.

Ali Trunzo

Subject: FW: 18PAC-00002 / 18LND-00001 / 15900 JAMESTOWN RD.
Attachments: 18PAC-00002 18LND-00001.pdf

From: Martin, Penny [<mailto:Pmartin@stlouisco.com>]
Sent: Monday, January 08, 2018 9:31 AM
To: Armesto, Castor J. <Castor.Armesto@spireenergy.com>
Subject: 18PAC-00002 / 18LND-00001 / 15900 JAMESTOWN RD.

18PAC-00002 / 18LND-00001 / 15900 JAMESTOWN RD.

Penny Martin
Office Services Specialist
Permit Processing



☎ 314-615-4269 ✉ pmartin@stlouisco.com 📞 314-615-8701
📍 41 South Central St. Louis, MO 63105

Use This Form When Submitting Plans Prior To Filing An Application For Land Disturbance Permit Or Building Permit.

File Date 1/4/18

PROJECT INFORMATION & LOCATION:

Project Type: Commercial, Multifamily, Residential Project Name: Spire STL Pipeline

Project Work Scope (check all that apply): Land Disturbance, New Building, Building Addition, Parking Lot, Interior Work

Project Address Fort Bellefontaine Rd. 15900 Old Jamestown Rd. Unit/Suite/Floor _____ Zip Code _____

Locator/ (Laclede Facility Subdivision or
Parcel No. 05F420045 Location) Building/Center Name _____ Lot No. _____

PROJECT DESCRIPTION:

Brief description of the project: Construction within St. Louis County includes approximately 6.9 miles of new 24-in dia. natural gas transmission pipeline and two metering and regulating facilities. Design of the facilities is underway and will be submitted for review at a later date as an amendment. Approval for tree clearing is requested at the facility locations.

OWNER INFORMATION:

Eggert James

Property Owner	<u>Spire STL Pipeline LLC (Attn: Russell English)</u>	<u>314-956-5221</u>	<u>Russell.English@spireenergy.com</u>
	Last Name First	Telephone Fax	Email
Owner's Address	<u>700 Market Street</u>	<u>St. Louis</u>	<u>Missouri 63101</u>
	Street Address	City	State Zip Code

PRIMARY CONTACT INFORMATION:

Name & Address	Telephone	Fax	Email
<u>Russell English, Spire Project Manager 700 Market St., St. Louis, MO 63101</u>	<u>314-956-5221</u>		<u>Russell.English@spireenergy.com</u>

ARCHITECT INFORMATION:

Name & Address	Telephone	Fax	Email
<u>N/A</u>			

ENGINEER INFORMATION:

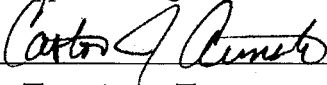
Name & Address	Telephone	Fax	Email
<u>GAI Consultants (Attn: Matthew Tanner, P.E.) 300 Summers St. Suite 1100, Charleston, WV 25301</u>	<u>681-245-8854</u>		<u>m.tanner@gaiconsultants.com</u>

CONTRACTOR INFORMATION:

Name & Address	Telephone	Fax	Email
<u>Contractor not yet selected</u>			

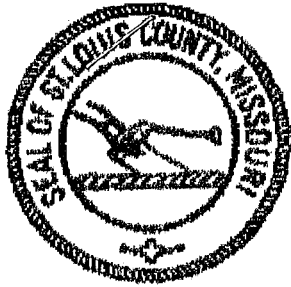
APPLICANT CERTIFICATION & INFORMATION:

I CERTIFY THAT I AM THE OWNER IN FEE OR AGENT AUTHORIZED TO SUBMIT PLANS TO THE COUNTY FOR THIS PROJECT, THAT I HAVE AN AGREEMENT WITH THE OWNER/LESSEE TO SUBMIT PLANS TO THE COUNTY, AND THAT I AM AUTHORIZED TO AND DO CONSENT TO ENTRY ONTO THE SITE/PREMISES BY ST. LOUIS COUNTY EMPLOYEES FOR INSPECTION OF THE SITE/PREMISES.

Applicant's Printed Name	Telephone	Applicant's Signature
<u>Castro Armesto, General Counsel</u>	<u>314-342-3326</u>	

Applicant is, or is the agent of, the: Owner, Primary Contact, Architect, Engineer, Contractor

PAC PROJECT NO. 18 PAC - 00002



ST LOUIS COUNTY
PUBLIC WORKS ADMINIS
41 S. CENTRAL AVE
6TH FLOOR
CLAYTON, MO 63105
314-615-5000
Welcome to St. Louis County

GAI CONSULTANTS, INC.

126237-0002 ANDREA P. 01/04/2018 10:50AM

ACCELA PERMITS

EGGERT JAMES A TRUSTEE ETAL

18LND-00001

2018 Item: 1139333 182.00

182.00

Subtotal

182.00

Total

182.00

CHECK

182.00

Check Number 0404680

Change due

0.00

Paid by: GAI CONSULTANTS INC

Comments: APPLICATION FILING FEE ONLY

CUSTOMER COPY

APPLICATION FOR
LAND DISTURBANCE PERMIT

Complete all sections on both pages except for the two sections marked "For Office Use".

Application Date 12/15/2017 1/4/18

PROJECT INFORMATION & LOCATION:

Project Type: Commercial, Multifamily, Residential Project Name: Spire STL Pipeline

Work Type: Major Land Disturbance (≥ 1 Acre), Ordinary Land Disturbance (< 1 Acre)

Project Address Fort Bellefontaine Rd. 15900 Old Jamestown Rd Unit/Suite/Floor _____ Zip Code _____

Locator/ _____ Subdivision or _____

Parcel No. 05F420045 Building/Center Name _____ Lot No. _____

(Laclede Facility Location)

Unincorporated County, or Municipality Unincorporated County Fire District Spanish Lake and Black Jack

WORK DESCRIPTION:

Brief description of land disturbance construction scope of work: Construction within St. Louis County includes approximately 6.9 miles of new 24-in dia. natural gas transmission pipeline and two metering and regulating facilities. Design of the facilities is underway and will be submitted for review at a later date as an amendment. Approval for tree clearing is requested at the facility locations.

OWNER/TENANT INFORMATION:

Property Owner Spire STL Pipeline LLC (Attn: Russell English) 314-956-5221 Russell.English@spireenergy.com

Last Name	First	Telephone	Fax	Email
<u>700 Market Street</u>	<u>St. Louis</u>	<u>Missouri</u>	<u>63101</u>	
Street Address	City	State	Zip Code	

Tenant/Business Name _____ Existing, New*

*If a New Tenant/Business indicate the Previous Tenant/Business Use _____

ARCHITECT/ENGINEER INFORMATION:

Name & Address	Telephone	Fax	Email
<u>GAI Consultants (Attn: Matthew Tanner, P.E.)</u> <u>300 Summers St. Sulte 1100, Charleston, WV 25301</u>	<u>681-245-8854</u>		<u>m.tanner@gaiconsultants.com</u>

PRIMARY CONTACT INFORMATION IF OTHER THAN APPLICANT:

Name & Address	Telephone	Fax	Email
<u>Russell English, Spire Project Manager</u> <u>700 Market St., St. Louis, MO 63101</u>	<u>314-956-5221</u>		<u>Russell.English@spireenergy.com</u>

APPLICANT CERTIFICATION & INFORMATION

I CERTIFY THAT I AM THE OWNER IN FEE OR AGENT AUTHORIZED TO APPLY FOR THIS PERMIT, THAT I HAVE AN AGREEMENT WITH THE OWNER/LESSEE TO PERFORM THIS WORK, AND THAT I AM AUTHORIZED TO AND DO CONSENT TO ENTRY ONTO THE PREMISES BY ST. LOUIS COUNTY EMPLOYEES FOR INSPECTION OF WORK PERFORMED UNDER THIS PERMIT. THE SCOPE OF WORK INDICATED AND COST ESTIMATES ARE TRUE AND CORRECT.

IF A PARTIAL PERMIT IS BEING REQUESTED, I REQUEST AUTHORIZATION TO PROCEED WITH THE CONSTRUCTION INDICATED IN ORDER TO ALLOW CONSTRUCTION TO COMMENCE. I ACKNOWLEDGE THAT IF AUTHORIZATION IS GIVEN THAT I WILL BE PROCEEDING AT MY OWN RISK WITHOUT ASSURANCE THAT A PERMIT FOR THE ENTIRE WORK OR STRUCTURE WILL BE GRANTED. I AM RELEASING ALL LIABILITY, INDEMNIFYING AND HOLDING HARMLESS ST. LOUIS COUNTY, ITS OFFICERS, EMPLOYEES, AGENTS, AND ANY ASSIGNS FOR ANY EXPENSE, ERROR, OR OMISSION RESULTING IN SUCH ISSUANCE. SHOULD IT BE DETERMINED AT ANY TIME BY ST. LOUIS COUNTY THAT THE AUTHORIZED CONSTRUCTION NEEDS TO BE REMOVED, MOVED, CORRECTED, OR MODIFIED IN ANY FASHION, THAN SUCH REMOVAL OR CORRECTIVE WORK WILL BE AT OUR EXPENSE.

Contractor Name & Address <u>Contractor not yet selected</u>	Tel No.	Reg #	Signature
	Fax #	Date	Printed Name
	Email		

Applicant Other Than Contractor Owner, Architect, Engineer, Tenant, Other

Name & Address <u>Spire STL Pipeline, LLC</u> <u>Castor Armesto, General Counsel</u> <u>700 Market St., St. Louis, MO 63101</u>	Tel # <u>314-342-3326</u>	Reg #	Signature <u>Castor Armesto</u>
	Fax # <u>314 421 1977</u>	Date <u>12/15/17</u>	Printed Name
	Email <u>Castor.Armesto@spireenergy.com</u>		<u>Castor Armesto</u>

PERMIT NO. 18LND-00001

TYPE OF WORK **TYPE OF STRUCTURE / DEVELOPMENT**

- Advanced-Rough Grading
- Clearing and Grubbing
- Grading
- Site Improvement Work
- Miscellaneous Work

- RESIDENTIAL**
- Single-Family
 - Two-Family
 - Townhouse(s)
- Note: Two-Family and Townhouse type buildings must have independent dwelling units with individual entrances. No common areas.

- MULTI-FAMILY**
- 3 or 4 Multi-Family
 - 5 or more Multi-Family
- Units/Building _____
Units/Permit _____
- Note: Multi-Family buildings have common areas such as common entry stairs, corridors, hallways, breezeways, and/or common basement areas.

- COMMERCIAL**
- ASSEMBLY**
- Theatres
 - Restaurant
 - Night Club
 - Churches/Religious
 - Recreation Center
 - Exhibition Hall
 - Banquet Center
 - Taverns & Bars
- BUSINESS**
- Office/Bank/Professional
 - Carwash
 - Clinic
 - Fire Station
 - Doctor's Offices
 - Laboratories
- EDUCATION**
- Schools
 - Child Day Care
- FACTORY/INDUSTRIAL**
- Manufacturing Plant
 - Industrial Laboratories
 - Utilities
- HIGH HAZARD**
- Flam. & Comb. Liquids Storage or Manufacturer
 - Tire Storage (Bulk)
 - Other High-Hazard Storage or Manufacturer
- INSTITUTIONAL**
- Nursing Home
 - Day Nurseries
 - Hospitals
 - Jails
 - Residential Care and Assisted Living
- MERCANTILE**
- Retail/ Wholesale/Stores
 - Service Station
 - Markets
- RESIDENTIAL**
- Dormitories
 - Hotels/Motels
- STORAGE**
- Office/Warehouse
 - Lumber Yard
 - Repair Garage
 - Parking Garage

- NON-HABITABLE**
- Antennas
 - Attached Garage
 - Barn
 - Carport
 - Detached Garage
 - Fence
 - Fireplace
 - Generators
 - Patio Cover
 - Patio/Deck/Porch
 - Pergola
 - Res. Greenhouse
 - Retaining Walls
 - Shed
 - Signs
 - Solar Panel/Array
 - Swimming Pool
 - Tanks
 - Tower
 - Trash Enclosure
 - Other
 - Parking Lot

LAND DISTURBANCE

Major Land Disturbance (≥ Acre)
 Area of Disturbance 106.8 acre(s) Planned completion date: 9/12/18
 Refer to the SWPPP and Engineering/Grading Plan for Scope of Work and BMP's
 MLD Special Inspector Name: Not Yet Selected Phone #: _____

Ordinary Land Disturbance (< Acre or 43,560 Square Feet)
 Area of Disturb. 0. acre, or _____ sf Planned completion date: _____
 Type of Disturbance (check all that apply):
 Clearing/Grubbing Silt fencing
 Cutting Sediment traps / basins
 Filling Erosion control blankets
 Grading Ditch check
 Other Natural Gas Pipeline Construction Other Slope Breakers

Sediment/Erosion Control Measures:
 Land Disturbance Information:
 Cut: _____ cubic yards _____ feet (maximum depth)
 Fill: _____ cubic yards _____ feet (maximum depth)
 Fill material from: On-site cut, Another site located at _____
 Minimum distance of land disturbance to nearest property line: _____ feet
 Minimum distance of land disturbance to nearest structure/building: _____ feet
 Slope of finished grading will be less than 3 horizontal to 1 vertical: Yes, No
 Existing site drainage: Will remain the same, Will be modified
 Equipment/Truck access to site:
 Existing driveway, Modified driveway*, New temporary entrance*
 *Note -- Separate H&T Special Use Permit is required

For existing developed sites indicate method of sewage disposal: Sewer, Septic
 Comments/Information: _____
 Other Permit References _____
Estimated Cost of Land Disturbance Construction Work: \$ _____

- FOR OFFICE USE**
- Record Check _____
 - Violation Check _____
 - Transient Employer Documents
 - Notified _____ Date _____
 - #OP _____
 - PA _____
 - Flat _____
 - Closet _____

PAC No. 18 PAC - 00002
 MSD P# _____
 Permit No. 18 LND - 00001

FOR OFFICE USE

Zoning Dist. _____
 Gov't / Public Owned

PW PERMIT FEES

Processing	_____
Land Dist	_____
Inspection	_____
Penalty	_____
PW Total	_____

T PERMIT FEES

<input type="checkbox"/> ARS <input type="checkbox"/> CRS/General	_____
Review	_____
Inspection	_____
T Total	_____

Total Fees	_____
Filing Fee Pd	<u>182</u> ⁰⁰
Balance Due	_____
Fees Paid	_____

Date Issued ____/____/____
 Issued By _____

APPROVALS & DATE

Est. Cost _____
 Zoning Rev. _____
 PW Plan Rev. _____
 T Plan Rev. _____
 Box No. _____ Folder

GAI Consultants, Inc.

Charleston Office
 300 Summers Street, Ste 1100
 Charleston, WV 25301-1631
 T 304.926.8100 | F 304.926.8180
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	T001
DATE:	12/20/2017
PROJECT NO.	E160438.00, Task 008.007

St. Louis County Department of Transportation
Civil Plan Review
41 S. Central Avenue
Clayton, MO 63105
Attention: James Knoll, PE, CFM
Supervisor, Project Manager

PROJECT TITLE:
Spire STL Pipeline

SUBJECT:
Land Disturbance and Flood Plain Permit

WE ARE SENDING YOU: Paper Documents & Electronic Files
VIA: Next Day Delivery
PURPOSE: For Permit

COMMENTS:

ATTACHMENTS:

Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1			12/20/18	Application for PAC Project Tracking	
2			12/20/18	St. Louis County Land Disturbance Permit Application	
2			12/20/18	St. Louis County Floodplain Development Permit Application	
2			12/20/18	Stormwater Pollution Prevention Plan	
2			12/20/18	Erosion & Sediment Control Plan Drawings (24 X 36)	

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected

DISTRIBUTION:

Name	Company	Transmittal (Y/N)	Attachments (Y/N)

Sincerely,



Matthew T. Tanner, P.E.
 Senior Project Engineer

telephone log



gai consultants

Date: 12/8/2017

Project / Admin. No.: E160438.00

Call From: Matt Tanner

Company: GAI Consultants

Phone No.: 681-245-8854

Call To: Jeff Hennigh

Company: St. Louis Metropolitan Sewer District

Phone No.: 314-768-6343

Subject: Permitting

cc:

Summary of Discussion, Decisions, and Commitments:

I received a call from Jeff Hennigh, a civil engineer at the St. Louis County MSD. He said that they received a copy of the CD from FERC regarding the Project. He is requesting either CAD or shp files that they can use to overlay on their existing lines and proposed projects in GIS to see if there are any conflicts. He said that once they've been able to look at the locations in relation to their system we can discuss the required next steps for MSD clearance needed for the pipeline. He said that if they see any conflicts, they may want to see cross sections or profiles in those areas with the existing lines. If they don't see any conflicts they should be able to provide a letter to the County for the land disturbance permit needed for tree clearing.

telephone log



gai consultants

Date: 11/29/2017

Project / Admin. No.: E160438.00

Call From: Matt Tanner

Company: GAI Consultants

Phone No.: 681-245-8854

Call To: Jeff Hennigh

Company: St. Louis Metropolitan Sewer District

Phone No.: 314-768-6343

Subject: Permitting

cc:

Summary of Discussion, Decisions, and Commitments:

I explained the project and what we had discussed with the County regarding the delayed submittal of the facilities. They will definitely want to review the facility designs once they're ready. Jeff thought that, if they needed any submittal, they would only need to see the location of the project to identify potential conflicts. I explained that the ROW will be restored to approximate original contours and conditions following construction, with the only exceptions being the facilities and a change in cover along the ROW from wooded to grasses where clearing occurs. He was going to check with his supervisor and get back with me as soon as possible. The submittals are online and there is a submittal fee of \$450.

telephone log



gai consultants

Date: 11/29/2017

Project / Admin. No.: E160438.00

Call From: Matt Tanner

Company: GAI Consultants

Phone No.: 681-245-8854

Call To: Jennifer Riley

Company: St. Louis County

Phone No.: 314-615-8548

Subject: Permitting

cc:

Summary of Discussion, Decisions, and Commitments:

I was able to talk with St. Louis County this morning and they had no issues with us submitting the pipeline with workspaces for tree clearing at the proposed facility locations, then amending the permit later for the facility grading. The person that I spoke, Jennifer Riley, did tell me during our conversation that PCSM was required for anything over an acre and that we would need to submit to the St. Louis MSD for review of post construction stormwater. Our understanding had been that the County had adopted the MSD's requirements, but the County did the review with the land disturbance permit submittal.



Native American Tribes

Ali Trunzo

Subject: FW: Spire STL Pipeline Project

From: John Fox [<mailto:jfox@osagenation-nsn.gov>]

Sent: Wednesday, July 25, 2018 9:14 AM

To: Angela Hood <a.hood@gaiconsultants.com>

Cc: 'lmferry@burnsmcd.com' <lmferry@burnsmcd.com>; 'dsipe@mdmcorp.com' <dsipe@mdmcorp.com>; Andrea Hunter <ahunter@osagenation-nsn.gov>; James W. Munkres <jwmunkres@osagenation-nsn.gov>

Subject: RE: Spire STL Pipeline Project

Ms. Hood,

Thank you for the call on Monday. I spoke to Dr. Hunter about the issues we discussed on the phone, and I have some clarification for you.

Regarding the frequently flooded HDD area in St. Charles County that we discussed, we request that a monitor be present in that location as well.

We would strongly prefer shovel testing to relying on monitoring for the areas that were not originally shovel tested. We realize that time is short to complete it, but it is preferable to find sites before the pipeline goes under construction when possible.

The Osage Nation does not request to perform the monitoring with our staff or contractors, as we are extraordinarily busy with other projects when the pipeline will begin construction. Instead, we request archaeological monitors to be present. These monitors will be from another qualified archaeological contracting company that the pipeline company hires, rather than the Osage Nation or GAI.

I also spoke to Dr. Hunter about when we would like monitors to be present. She said we need them during blearing, grading, trenching, backfilling, and mat removal in areas where timber mats are used.

If you have questions or comments, please let us know.

Thank you for consulting with the Osage Nation,



John Fox

Archaeologist, MS, RPA

627 Grandview Avenue, Pawhuska, OK 74056

Phone: 918-287-5274

jfox@osagenation-nsn.gov

IMPORTANT: This email message may contain confidential or legally privileged information and is intended only for the use of the intended recipient(s). Any unauthorized disclosure, dissemination, distribution, copying or the taking of any action in reliance on the information herein is prohibited. Emails are not secure and cannot be guaranteed to be error-free. They can be intercepted, amended, or contain viruses. Anyone who communicates with us by email is deemed to have accepted these risks. Osage Nation is not responsible for errors or omissions in this message and denies any responsibility for any damage arising from the use of email. Any opinion and other statement contained in this message and any attachment are solely those of the author and do not necessarily represent those of the Osage Nation.

telephone log



gai consultants

Date: July 23, 2018

Project / Admin. No.: E160438.00

Call From: Angie Hood and Lori Ferry

Company: GAI Consultants, Inc. / Burns & McDonnell

Phone No.: 412.399.5043

Call To: John Fox, Archaeologist

Company: Osage Nation Historic Preservation Office

Phone No.: 918-287-5274

Subject: Questions Regarding Comment Letter

cc:

Summary of Discussion, Decisions, and Commitments:

Lori Ferry and I had a conference call with John Fox, Archaeologist at the Osage Nation Historic Preservation Office, to discuss a few questions we had about the comment letter John sent to us last Friday, July 20, 2018, after he reviewed the Spire STL Pipeline Project's cultural resources reports. In the letter, the Osage Nation requests that all areas not surveyed due to being in association with a horizontal directional drill (HDD) location be surveyed for cultural resources. I pointed out that the only land parcel being crossed via HDD that has not been surveyed is a low-lying floodplain area along the south bank of the Mississippi River that is frequently flooded. I also let John know that there are no previously recorded cultural resources on this property, and that an existing ammonia pipeline extends alongside the proposed Spire pipeline immediately to the west. I also pointed out that this area was subjected to a geomorphological assessment in 2016, and the soil scientist concluded that there is little to no potential for this area to contain deeply buried deposits. John said that he could not recall where this portion of the project area is without maps in front of him, so I offered to email him a screenshot of this parcel as a reference. Lori and I asked John whether, given the wet ground conditions and existing pipeline disturbance on this parcel that's being crossed via HDD, the Osage Nation would be amenable to monitoring this property during construction rather than conducting a Phase I survey. John said that he would need to discuss the issue with Dr. Hunter (Osage Nation Tribal Historic Preservation Officer) before giving us a final answer.

I also asked John about the sites that were identified via surface collection, and whether the Osage Nation wanted Spire to have an archaeological consultant to return to these areas to complete shovel testing. John said that this would also be something that he would need to discuss with Dr. Hunter, but that the Osage Nation may be amenable to monitoring these sites in lieu of shovel testing. Lori asked whether an archaeologist on

staff at the Osage Nation Historic Preservation Office would be conducting the monitoring. John said that for this project, the Osage Nation would probably use a consultant to monitor the project, but that a representative from the Osage Nation might visit the project during construction. Lori asked John whether the Osage Nation wanted a monitor to be present for all aspects of construction (i.e. welding and laying pipe) and he said that the Osage generally want an archaeologist monitoring all aspects of fieldwork, especially trenching.

John said he would email Lori and me with answers to our questions after he discusses them with Dr. Hunter. We thanked him and ended the call.

Ali Trunzo

Subject: FW: Spire STL Pipeline Project
Attachments: ONHPO Response to Spire CRS Reports.pdf

From: John Fox [<mailto:jfox@osagenation-nsn.gov>]
Sent: Friday, July 20, 2018 12:32 PM
To: Angela Hood <a.hood@gaiconsultants.com>
Cc: 'lmferry@burnsmcd.com' <lmferry@burnsmcd.com>; 'dsipe@mdmcorp.com' <dsipe@mdmcorp.com>; Andrea Hunter <ahunter@osagenation-nsn.gov>; James W. Munkres <jwmunkres@osagenation-nsn.gov>
Subject: Spire STL Pipeline Project

Dear Ms. Hood,

The Osage Nation Historic Preservation Office has reviewed the Spire STL Pipeline Project cultural resources survey reports. Please find our response letter attached. Hardcopies are in the mail.

Thank you for consulting with the Osage Nation,



John Fox

Archaeologist, MS, RPA
627 Grandview Avenue, Pawhuska, OK 74056
Phone: 918-287-5274
jfox@osagenation-nsn.gov

IMPORTANT: This email message may contain confidential or legally privileged information and is intended only for the use of the intended recipient(s). Any unauthorized disclosure, dissemination, distribution, copying or the taking of any action in reliance on the information herein is prohibited. Emails are not secure and cannot be guaranteed to be error-free. They can be intercepted, amended, or contain viruses. Anyone who communicates with us by email is deemed to have accepted these risks. Osage Nation is not responsible for errors or omissions in this message and denies any responsibility for any damage arising from the use of email. Any opinion and other statement contained in this message and any attachment are solely those of the author and do not necessarily represent those of the Osage Nation.



Osage Nation Historic Preservation Office

ᏍᏏᏏᏏ ᏊᏍᏏ ᏊᏏᏍᏏ

Date: July 20, 2018

File: 1718-290PL-10

RE: FERC, Spire STL Pipeline Project, Scott, Greene, and Jersey counties, Illinois, and St. Charles and St. Louis counties, Missouri

GAI Consultants
Angela N. Hood
385 E. Waterfront Drive
Homestead, PA 15120

Dear Ms. Hood,

The Osage Nation Historic Preservation Office (ONHPO) has read and reviewed the cultural resources survey reports for the Spire STL Pipeline project in Scott, Greene, and Jersey counties, Illinois, and St. Charles and St. Louis counties, Missouri. Due to the number of volumes and limited time to review the reports, this review focused on survey methods and archaeological site identification and National Register evaluation.

The Osage Nation has great concerns about the archaeological survey methods employed for this project. Much of the Area of Potential Effect (APE) was not shovel tested due to the presence of agricultural fields with greater than 25 percent visibility. While surface inspection can help locate sites in these conditions, without subsurface inspection, some sites or intact components of sites below the plow zone that would contribute to National Register of Historic Places (NRHP) eligibility will be missed. The Osage Nation's required archaeological field survey methods require shovel testing in agricultural fields. All surveys submitted to the ONHPO that omit shovel testing in agricultural fields are not accepted as due diligence has not been performed.

Additionally, some site boundaries were confined by the right-of-way (ROW) of the project, meaning that the entire site was not evaluated for the NRHP. The determinations made for sites that extend past the boundaries of the ROW are only for part of the site. The ONHPO does not accept partial site eligibility determinations. Only if the full extent of a site has been delineated and tested can a site be evaluated. Additionally, prehistoric archaeological sites do not have "contributing" and "non-contributing" elements like a site with multiple historic features may have. Therefore, many of the sites considered not eligible for the NRHP are actually unevaluated and therefore potentially eligible. While the vast majority of sites located are small, low density lithic scatters, we have concerns for several sites and list them below.

Another concern is that some areas were not surveyed for cultural resources because they would be "avoided" by horizontal directional drilling (HDD). However, in the HDD process, inadvertent returns, or "frack-outs," often occur when the drilling fluid reaches a weak part of ground, sending drilling fluid to the ground surface. If an archaeological site or burial is in the path of the fluid, it will be destroyed. HDD is often used to avoid waterways. High places above waterways are areas that were frequently used by ancestral Osages and many times these areas were used as burial locations. **HDD is not an effective way to avoid archaeological sites.**



All areas not surveyed due to being in association with an HDD location will need to be surveyed for cultural resources.

There are two recorded Osage trails in the vicinity of the proposed Spire STL Pipeline route in St. Charles and St. Louis counties, Missouri. **We request that all portions of the pipeline within 5 miles of the trails be monitored by qualified archaeologists.** We will provide a GIS layer with the buffer zone. Additionally, four sites listed in the report, 11GE789, 11JY765, 23SC5, and 23SC2219, have Late Woodland to protohistoric components. **We also request that these sites be monitored by archaeologists when construction occurs.**

The Osage Nation has concerns for several sites that do not have Late Woodland to protohistoric components, but we believe may be eligible for the NRHP and in danger from construction. **We request archaeological monitoring for all of the following sites.** Site 11GE765 is a moderately sized lithic scatter, which was shovel tested, but due to its size may have subsurface features. Site 11GE18 is a lithic scatter site that lies partially within the ROW. Only 10 flakes were found in the most recent survey, but the 1971 survey did uncover several tools, so we believe there is a potential for buried features or significant artifacts. Sites 11JY739, 11JY759, 11JY764, 11JY775, and 11JY780 are all large sites that were not shovel tested. Site 11JY751 had a Phase II survey associated with it, but that the portion of the site in the APE was not a “contributing element” to the NRHP. As explained above, prehistoric archaeological sites do not have contributing elements. Site 23SC2218 is a site that yielded prehistoric ceramics, but was not shovel tested. Sites 23SC2213 and 23SL524 are both large lithic scatters that go outside of the APE and received partial eligibility determinations. Under normal circumstances, if we had responded in a timely manner, we would have stated that all sites regardless of size would need to be shovel tested as this is the standard means to delineate a site and its significance. We have learned and verified that artifacts on the surface can be misleading.

The Osage Nation appreciates the opportunity to comment on this important project and looks forward to working with you to complete the review of the archaeological surveys of the HDD locations and reviewing the daily monitoring reports of the above listed locations and sites. Should you have any questions or need any additional information, please feel free to contact me at the number listed below. Thank you for consulting with the Osage Nation on this matter.

Handwritten signature of Andrea A. Hunter in blue ink.

Andrea A. Hunter, Ph.D.
Director, Tribal Historic Preservation Officer

Handwritten signature of John Fox in blue ink.

John Fox
Archaeologist

cc: Lori Ferry and Doug Sipe

telephone log



gai consultants

Date: 7/19/2018

Project / Admin. No.: E160438.00

Call From: Angela Hood

Company: GAI Consultants

Phone No.: +14123995043

Call To: John Fox

Company: Osage Nation

Phone No.: 918-287-5328

Subject: Review of SHPO Reports/Concurrences

cc:

Summary of Discussion, Decisions, and Commitments:

I just spoke with John Fox, and he completed his review of the Spire cultural resources reports earlier today. He's typing up his notes for Dr. Hunter's review now, and he said that they should be able to send us a comment letter tomorrow via email.

telephone log



gai consultants

Date: 7/12/2018

Project / Admin. No.: E160438.00

Call From: Angela Hood

Company: GAI Consultants

Phone No.: +14123995043

Call To: John Fox

Company: Osage Nation

Phone No.: 918-287-5328

Subject: Review of SHPO Reports/Concurrences

cc:

Summary of Discussion, Decisions, and Commitments:

I talked to John Fox at the Osage Nation this morning, and he said that he received the reports I sent on Tuesday. He said that he'll try his best to review all the reports and provide comments on or before July 20, but that he'll contact me if he thinks he won't make the deadline.

Ali Trunzo

From: Angela Hood
Sent: Friday, July 06, 2018 7:52 AM
To: 'ahunter@osagenation-nsn.gov'
Cc: 'Ferry, Lori M'; Douglas Sipe; 'jwmunkres@osagenation-nsn.gov'
Subject: Spire Unanticipated Discoveries Plans (Illinois and Missouri)
Attachments: Spire Illinois UDP.docx; Spire Missouri UDP.docx

Hi Dr. Hunter,

As we discussed yesterday, I've attached Word files of the Spire STL Pipeline Project's Unanticipated Discoveries Plans (both Illinois and Missouri) for your review.

Thank you,

Angie

Angela N. Hood, M.A., RPA
Project Archaeologist

GAI Consultants, 385 East Waterfront Drive, Homestead, PA 15120-5005
D 412.399.5043 **M** 412.228.9807

[Facebook](#) | [LinkedIn](#) | [Twitter](#) | [YouTube](#) | [News & Insights](#)



**ENGINEERING,
PLANNING, AND
ENVIRONMENTAL
CONSULTING SINCE 1958**

GAI CONSULTANTS CONFIDENTIALITY NOTICE: This communication contains confidential information belonging to the sender and may be legally privileged. This communication is solely for the use of its intended recipient. If you are not the intended recipient, inform the sender of the error and remove this email from your system. If this transmission includes any technical information, design data, and/or recommendations, they are provided only as a matter of convenience and may not be used for final design and/or construction.

GAI Consultants, Inc.

Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841
 T 724.873.3545
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	6/29/2018
PROJECT NO.	E160438.00

Ho-Chunk Nation
P.O. Box 667
Black River Falls, Wisconsin 54815

Attention: Mr. Bill Quackenbush
Tribal Historic Preservation Officer

PROJECT TITLE:
Spire STL Pipeline Project

SUBJECT:
**Illinois Historic Preservation Agency (IHPA) and
 Missouri State Historic Preservation Office (MO SHPO)
 Concurrence and Comment Letters for Spire STL
 Pipeline Project**

WE ARE SENDING YOU: Paper Documents & Electronic Files
VIA: Regular US Mail
PURPOSE: For Your Use

COMMENTS:

ATTACHMENTS:

Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	--	--	June 22, 2017	IHPA Concurrence Initial Phase I Report	--
1	--	--	November 15, 2017	IHPA Concurrence Addendums I, II, III, and Phase II Reports	--
1	--	--	December 20, 2017	IHPA Concurrence Addendum IV Report	--
1	--	--	March 8, 2018	IHPA Concurrence 11JY801 Phase II Work Plan	--
1	--	--	March 22, 2018	IHPA Concurrence Addendum V Report	--
1	--	--	March 22, 2018	IHPA Concurrence Addendum VI Report	--
1	--	--	June 15, 2018	IHPA Concurrence Addendum VII Report	--
1	--	--	June 15, 2018	IHPA Concurrence 11JY801 Phase II Report	--
1	--	--	June 15, 2018	IHPA Concurrence 11JY789 Avoidance Plan	--
1	--	--	June 15, 2018	IHPA Concurrence 11JY800 Avoidance Plan	--
1	--	--	March 23, 2017	MO SHPO Comment Letter Initial Phase I Report	--
1	--	--	May 23, 2018	MO SHPO Comment Letter Addendum I Report	--
1	--	--	July 28, 2017	MO SHPO Concurrence Revised Initial Phase I Report	--
1	--	--	July 28, 2017	MO SHPO Concurrence Addendum II Report	--
1	--	--	August 15, 2017	MO SHPO Concurrence 23SC2219 Phase II Report	--
1	--	--	September 18, 2017	MO SHPO Concurrence Addendum I Report	--
1	--	--	October 10, 2017	MO SHPO Concurrence Addendum III Report	--
1	--	--	November 29, 2017	MO SHPO Concurrence Architectural Survey	--
1	--	--	December 8, 2017	MO SHPO Concurrence Addendum IV Report	--
1	--	--	January 30, 2018	MO SHPO Comment Letter Addendum V Report	--
1	--	--	March 15, 2018	MO SHPO Concurrence Addendum V Report	--
1	--	--	May 10, 2018	MO SHPO Concurrence Addendum VI Report	--

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected
 Sincerely,



Angela N. Hood, M.A., RPA
 Project Archaeologist

GAI Consultants, Inc.

Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841
 T 724.873.3545
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	6/29/2018
PROJECT NO.	E160438.00

Iowa Tribe of Oklahoma
Cultural Preservation Department
335588 E. 750 Rd
Perkins, Oklahoma 74059

Attention: Tribal Historical Preservation Officer

PROJECT TITLE:
Spire STL Pipeline Project

SUBJECT:
Illinois Historic Preservation Agency (IHPA) and Missouri State Historic Preservation Office (MO SHPO) Concurrence and Comment Letters for Spire STL Pipeline Project

WE ARE SENDING YOU: Paper Documents & Electronic Files
VIA: Regular US Mail
PURPOSE: For Your Use

COMMENTS:

ATTACHMENTS:

Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	--	--	June 22, 2017	IHPA Concurrence Initial Phase I Report	--
1	--	--	November 15, 2017	IHPA Concurrence Addendums I, II, III, and Phase II Reports	--
1	--	--	December 20, 2017	IHPA Concurrence Addendum IV Report	--
1	--	--	March 8, 2018	IHPA Concurrence 11JY801 Phase II Work Plan	--
1	--	--	March 22, 2018	IHPA Concurrence Addendum V Report	--
1	--	--	March 22, 2018	IHPA Concurrence Addendum VI Report	--
1	--	--	June 15, 2018	IHPA Concurrence Addendum VII Report	--
1	--	--	June 15, 2018	IHPA Concurrence 11JY801 Phase II Report	--
1	--	--	June 15, 2018	IHPA Concurrence 11JY789 Avoidance Plan	--
1	--	--	June 15, 2018	IHPA Concurrence 11JY800 Avoidance Plan	--
1	--	--	March 23, 2017	MO SHPO Comment Letter Initial Phase I Report	--
1	--	--	May 23, 2018	MO SHPO Comment Letter Addendum I Report	--
1	--	--	July 28, 2017	MO SHPO Concurrence Revised Initial Phase I Report	--
1	--	--	July 28, 2017	MO SHPO Concurrence Addendum II Report	--
1	--	--	August 15, 2017	MO SHPO Concurrence 23SC2219 Phase II Report	--
1	--	--	September 18, 2017	MO SHPO Concurrence Addendum I Report	--
1	--	--	October 10, 2017	MO SHPO Concurrence Addendum III Report	--
1	--	--	November 29, 2017	MO SHPO Concurrence Architectural Survey	--
1	--	--	December 8, 2017	MO SHPO Concurrence Addendum IV Report	--
1	--	--	January 30, 2018	MO SHPO Comment Letter Addendum V Report	--
1	--	--	March 15, 2018	MO SHPO Concurrence Addendum V Report	--
1	--	--	May 10, 2018	MO SHPO Concurrence Addendum VI Report	--

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected Sincerely,



Angela N. Hood, M.A., RPA
 Project Archaeologist

GAI Consultants, Inc.

Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841
 T 724.873.3545
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	6/29/2018
PROJECT NO.	E160438.00

Iowa Tribe of Kansas and Nebraska
3345 B. Thrasher Road
White Cloud, Kansas 66094

Attention: Mr. Lance M. Foster
Tribal Historic Preservation Officer

PROJECT TITLE:
Spire STL Pipeline Project

SUBJECT:
Illinois Historic Preservation Agency (IHPA) and Missouri State Historic Preservation Office (MO SHPO) Concurrence and Comment Letters for Spire STL Pipeline Project

WE ARE SENDING YOU: Paper Documents & Electronic Files
VIA: Regular US Mail
PURPOSE: For Your Use

COMMENTS:

ATTACHMENTS:

Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	--	--	June 22, 2017	IHPA Concurrence Initial Phase I Report	--
1	--	--	November 15, 2017	IHPA Concurrence Addendums I, II, III, and Phase II Reports	--
1	--	--	December 20, 2017	IHPA Concurrence Addendum IV Report	--
1	--	--	March 8, 2018	IHPA Concurrence 11JY801 Phase II Work Plan	--
1	--	--	March 22, 2018	IHPA Concurrence Addendum V Report	--
1	--	--	March 22, 2018	IHPA Concurrence Addendum VI Report	--
1	--	--	June 15, 2018	IHPA Concurrence Addendum VII Report	--
1	--	--	June 15, 2018	IHPA Concurrence 11JY801 Phase II Report	--
1	--	--	June 15, 2018	IHPA Concurrence 11JY789 Avoidance Plan	--
1	--	--	June 15, 2018	IHPA Concurrence 11JY800 Avoidance Plan	--
1	--	--	March 23, 2017	MO SHPO Comment Letter Initial Phase I Report	--
1	--	--	May 23, 2018	MO SHPO Comment Letter Addendum I Report	--
1	--	--	July 28, 2017	MO SHPO Concurrence Revised Initial Phase I Report	--
1	--	--	July 28, 2017	MO SHPO Concurrence Addendum II Report	--
1	--	--	August 15, 2017	MO SHPO Concurrence 23SC2219 Phase II Report	--
1	--	--	September 18, 2017	MO SHPO Concurrence Addendum I Report	--
1	--	--	October 10, 2017	MO SHPO Concurrence Addendum III Report	--
1	--	--	November 29, 2017	MO SHPO Concurrence Architectural Survey	--
1	--	--	December 8, 2017	MO SHPO Concurrence Addendum IV Report	--
1	--	--	January 30, 2018	MO SHPO Comment Letter Addendum V Report	--
1	--	--	March 15, 2018	MO SHPO Concurrence Addendum V Report	--
1	--	--	May 10, 2018	MO SHPO Concurrence Addendum VI Report	--

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected
 Sincerely,



Angela N. Hood, M.A., RPA
 Project Archaeologist

GAI Consultants, Inc.

Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841
 T 724.873.3545
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	6/29/2018
PROJECT NO.	E160438.00

Kaw Indian Nation of Oklahoma
Drawer 50
Kaw City, Oklahoma 74641

Attention: Ms. Crystal Douglas
Museum Director

PROJECT TITLE:
Spire STL Pipeline Project

SUBJECT:
Illinois Historic Preservation Agency (IHPA) and Missouri State Historic Preservation Office (MO SHPO) Concurrence and Comment Letters for Spire STL Pipeline Project

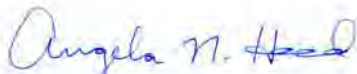
WE ARE SENDING YOU: Paper Documents & Electronic Files
VIA: Regular US Mail
PURPOSE: For Your Use

COMMENTS:

ATTACHMENTS:

Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	--	--	June 22, 2017	IHPA Concurrence Initial Phase I Report	--
1	--	--	November 15, 2017	IHPA Concurrence Addendums I, II, III, and Phase II Reports	--
1	--	--	December 20, 2017	IHPA Concurrence Addendum IV Report	--
1	--	--	March 8, 2018	IHPA Concurrence 11JY801 Phase II Work Plan	--
1	--	--	March 22, 2018	IHPA Concurrence Addendum V Report	--
1	--	--	March 22, 2018	IHPA Concurrence Addendum VI Report	--
1	--	--	June 15, 2018	IHPA Concurrence Addendum VII Report	--
1	--	--	June 15, 2018	IHPA Concurrence 11JY801 Phase II Report	--
1	--	--	June 15, 2018	IHPA Concurrence 11JY789 Avoidance Plan	--
1	--	--	June 15, 2018	IHPA Concurrence 11JY800 Avoidance Plan	--
1	--	--	March 23, 2017	MO SHPO Comment Letter Initial Phase I Report	--
1	--	--	May 23, 2018	MO SHPO Comment Letter Addendum I Report	--
1	--	--	July 28, 2017	MO SHPO Concurrence Revised Initial Phase I Report	--
1	--	--	July 28, 2017	MO SHPO Concurrence Addendum II Report	--
1	--	--	August 15, 2017	MO SHPO Concurrence 23SC2219 Phase II Report	--
1	--	--	September 18, 2017	MO SHPO Concurrence Addendum I Report	--
1	--	--	October 10, 2017	MO SHPO Concurrence Addendum III Report	--
1	--	--	November 29, 2017	MO SHPO Concurrence Architectural Survey	--
1	--	--	December 8, 2017	MO SHPO Concurrence Addendum IV Report	--
1	--	--	January 30, 2018	MO SHPO Comment Letter Addendum V Report	--
1	--	--	March 15, 2018	MO SHPO Concurrence Addendum V Report	--
1	--	--	May 10, 2018	MO SHPO Concurrence Addendum VI Report	--

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected
 Sincerely,



Angela N. Hood, M.A., RPA
 Project Archaeologist

GAI Consultants, Inc.

Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841
 T 724.873.3545
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	6/29/2018
PROJECT NO.	E160438.00

Kaw Indian Nation of Oklahoma

Drawer 50

Kaw City, Oklahoma 74641

**Attention: Ms. Jacqlyn Secondine Hensley
 Chairman**

PROJECT TITLE:

Spire STL Pipeline Project

SUBJECT:

**Illinois Historic Preservation Agency (IHPA) and
 Missouri State Historic Preservation Office (MO SHPO)
 Concurrence and Comment Letters for Spire STL
 Pipeline Project**

WE ARE SENDING YOU: Paper Documents & Electronic Files

VIA: Regular US Mail

PURPOSE: For Your Use

COMMENTS:

ATTACHMENTS:

Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	--	--	June 22, 2017	IHPA Concurrence Initial Phase I Report	--
1	--	--	November 15, 2017	IHPA Concurrence Addendums I, II, III, and Phase II Reports	--
1	--	--	December 20, 2017	IHPA Concurrence Addendum IV Report	--
1	--	--	March 8, 2018	IHPA Concurrence 11JY801 Phase II Work Plan	--
1	--	--	March 22, 2018	IHPA Concurrence Addendum V Report	--
1	--	--	March 22, 2018	IHPA Concurrence Addendum VI Report	--
1	--	--	June 15, 2018	IHPA Concurrence Addendum VII Report	--
1	--	--	June 15, 2018	IHPA Concurrence 11JY801 Phase II Report	--
1	--	--	June 15, 2018	IHPA Concurrence 11JY789 Avoidance Plan	--
1	--	--	June 15, 2018	IHPA Concurrence 11JY800 Avoidance Plan	--
1	--	--	March 23, 2017	MO SHPO Comment Letter Initial Phase I Report	--
1	--	--	May 23, 2018	MO SHPO Comment Letter Addendum I Report	--
1	--	--	July 28, 2017	MO SHPO Concurrence Revised Initial Phase I Report	--
1	--	--	July 28, 2017	MO SHPO Concurrence Addendum II Report	--
1	--	--	August 15, 2017	MO SHPO Concurrence 23SC2219 Phase II Report	--
1	--	--	September 18, 2017	MO SHPO Concurrence Addendum I Report	--
1	--	--	October 10, 2017	MO SHPO Concurrence Addendum III Report	--
1	--	--	November 29, 2017	MO SHPO Concurrence Architectural Survey	--
1	--	--	December 8, 2017	MO SHPO Concurrence Addendum IV Report	--
1	--	--	January 30, 2018	MO SHPO Comment Letter Addendum V Report	--
1	--	--	March 15, 2018	MO SHPO Concurrence Addendum V Report	--
1	--	--	May 10, 2018	MO SHPO Concurrence Addendum VI Report	--

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected
 Sincerely,



Angela N. Hood, M.A., RPA
 Project Archaeologist

GAI Consultants, Inc.

Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841
 T 724.873.3545
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	6/29/2018
PROJECT NO.	E160438.00

Miami Tribe of Oklahoma
3410 P Street NW
Miami, Oklahoma 74354

Attention: Ms. Diane Hunter
Acting Tribal Historic Preservation Officer

PROJECT TITLE:
Spire STL Pipeline Project

SUBJECT:
Illinois Historic Preservation Agency (IHPA) and Missouri State Historic Preservation Office (MO SHPO) Concurrence and Comment Letters for Spire STL Pipeline Project

WE ARE SENDING YOU: Paper Documents & Electronic Files
VIA: Regular US Mail
PURPOSE: For Your Use

COMMENTS:

ATTACHMENTS:

Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	--	--	June 22, 2017	IHPA Concurrence Initial Phase I Report	--
1	--	--	November 15, 2017	IHPA Concurrence Addendums I, II, III, and Phase II Reports	--
1	--	--	December 20, 2017	IHPA Concurrence Addendum IV Report	--
1	--	--	March 8, 2018	IHPA Concurrence 11JY801 Phase II Work Plan	--
1	--	--	March 22, 2018	IHPA Concurrence Addendum V Report	--
1	--	--	March 22, 2018	IHPA Concurrence Addendum VI Report	--
1	--	--	June 15, 2018	IHPA Concurrence Addendum VII Report	--
1	--	--	June 15, 2018	IHPA Concurrence 11JY801 Phase II Report	--
1	--	--	June 15, 2018	IHPA Concurrence 11JY789 Avoidance Plan	--
1	--	--	June 15, 2018	IHPA Concurrence 11JY800 Avoidance Plan	--
1	--	--	March 23, 2017	MO SHPO Comment Letter Initial Phase I Report	--
1	--	--	May 23, 2018	MO SHPO Comment Letter Addendum I Report	--
1	--	--	July 28, 2017	MO SHPO Concurrence Revised Initial Phase I Report	--
1	--	--	July 28, 2017	MO SHPO Concurrence Addendum II Report	--
1	--	--	August 15, 2017	MO SHPO Concurrence 23SC2219 Phase II Report	--
1	--	--	September 18, 2017	MO SHPO Concurrence Addendum I Report	--
1	--	--	October 10, 2017	MO SHPO Concurrence Addendum III Report	--
1	--	--	November 29, 2017	MO SHPO Concurrence Architectural Survey	--
1	--	--	December 8, 2017	MO SHPO Concurrence Addendum IV Report	--
1	--	--	January 30, 2018	MO SHPO Comment Letter Addendum V Report	--
1	--	--	March 15, 2018	MO SHPO Concurrence Addendum V Report	--
1	--	--	May 10, 2018	MO SHPO Concurrence Addendum VI Report	--

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected
 Sincerely,



Angela N. Hood, M.A., RPA
 Project Archaeologist

GAI Consultants, Inc.

Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841
 T 724.873.3545
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	6/29/2018
PROJECT NO.	E160438.00

Peoria Tribe of Indians of Oklahoma
PO Box 1527 118 S. Eight Tribes Trails
Miami, Oklahoma 74355

Attention: Mr. Logan Pappenfort

PROJECT TITLE:
Spire STL Pipeline Project

SUBJECT:
**Illinois Historic Preservation Agency (IHPA) and
 Missouri State Historic Preservation Office (MO SHPO)
 Concurrence and Comment Letters for Spire STL
 Pipeline Project**

WE ARE SENDING YOU: Paper Documents & Electronic Files
VIA: Regular US Mail
PURPOSE: For Your Use

COMMENTS:

ATTACHMENTS:

Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	--	--	June 22, 2017	IHPA Concurrence Initial Phase I Report	--
1	--	--	November 15, 2017	IHPA Concurrence Addendums I, II, III, and Phase II Reports	--
1	--	--	December 20, 2017	IHPA Concurrence Addendum IV Report	--
1	--	--	March 8, 2018	IHPA Concurrence 11JY801 Phase II Work Plan	--
1	--	--	March 22, 2018	IHPA Concurrence Addendum V Report	--
1	--	--	March 22, 2018	IHPA Concurrence Addendum VI Report	--
1	--	--	June 15, 2018	IHPA Concurrence Addendum VII Report	--
1	--	--	June 15, 2018	IHPA Concurrence 11JY801 Phase II Report	--
1	--	--	June 15, 2018	IHPA Concurrence 11JY789 Avoidance Plan	--
1	--	--	June 15, 2018	IHPA Concurrence 11JY800 Avoidance Plan	--
1	--	--	March 23, 2017	MO SHPO Comment Letter Initial Phase I Report	--
1	--	--	May 23, 2018	MO SHPO Comment Letter Addendum I Report	--
1	--	--	July 28, 2017	MO SHPO Concurrence Revised Initial Phase I Report	--
1	--	--	July 28, 2017	MO SHPO Concurrence Addendum II Report	--
1	--	--	August 15, 2017	MO SHPO Concurrence 23SC2219 Phase II Report	--
1	--	--	September 18, 2017	MO SHPO Concurrence Addendum I Report	--
1	--	--	October 10, 2017	MO SHPO Concurrence Addendum III Report	--
1	--	--	November 29, 2017	MO SHPO Concurrence Architectural Survey	--
1	--	--	December 8, 2017	MO SHPO Concurrence Addendum IV Report	--
1	--	--	January 30, 2018	MO SHPO Comment Letter Addendum V Report	--
1	--	--	March 15, 2018	MO SHPO Concurrence Addendum V Report	--
1	--	--	May 10, 2018	MO SHPO Concurrence Addendum VI Report	--

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected
 Sincerely,



Angela N. Hood, M.A., RPA
 Project Archaeologist

GAI Consultants, Inc.

Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841
 T 724.873.3545
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	6/29/2018
PROJECT NO.	E160438.00

Ponca Tribe of Nebraska
P.O. Box 288
Niobrara, Nebraska 68760

Attention: Mr. Shannon Wright
Tribal Historic Preservation Officer

PROJECT TITLE:
Spire STL Pipeline Project

SUBJECT:
**Illinois Historic Preservation Agency (IHPA) and
 Missouri State Historic Preservation Office (MO SHPO)
 Concurrence and Comment Letters for Spire STL
 Pipeline Project**

WE ARE SENDING YOU: Paper Documents & Electronic Files
VIA: Regular US Mail
PURPOSE: For Your Use

COMMENTS:

ATTACHMENTS:

Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	--	--	June 22, 2017	IHPA Concurrence Initial Phase I Report	--
1	--	--	November 15, 2017	IHPA Concurrence Addendums I, II, III, and Phase II Reports	--
1	--	--	December 20, 2017	IHPA Concurrence Addendum IV Report	--
1	--	--	March 8, 2018	IHPA Concurrence 11JY801 Phase II Work Plan	--
1	--	--	March 22, 2018	IHPA Concurrence Addendum V Report	--
1	--	--	March 22, 2018	IHPA Concurrence Addendum VI Report	--
1	--	--	June 15, 2018	IHPA Concurrence Addendum VII Report	--
1	--	--	June 15, 2018	IHPA Concurrence 11JY801 Phase II Report	--
1	--	--	June 15, 2018	IHPA Concurrence 11JY789 Avoidance Plan	--
1	--	--	June 15, 2018	IHPA Concurrence 11JY800 Avoidance Plan	--
1	--	--	March 23, 2017	MO SHPO Comment Letter Initial Phase I Report	--
1	--	--	May 23, 2018	MO SHPO Comment Letter Addendum I Report	--
1	--	--	July 28, 2017	MO SHPO Concurrence Revised Initial Phase I Report	--
1	--	--	July 28, 2017	MO SHPO Concurrence Addendum II Report	--
1	--	--	August 15, 2017	MO SHPO Concurrence 23SC2219 Phase II Report	--
1	--	--	September 18, 2017	MO SHPO Concurrence Addendum I Report	--
1	--	--	October 10, 2017	MO SHPO Concurrence Addendum III Report	--
1	--	--	November 29, 2017	MO SHPO Concurrence Architectural Survey	--
1	--	--	December 8, 2017	MO SHPO Concurrence Addendum IV Report	--
1	--	--	January 30, 2018	MO SHPO Comment Letter Addendum V Report	--
1	--	--	March 15, 2018	MO SHPO Concurrence Addendum V Report	--
1	--	--	May 10, 2018	MO SHPO Concurrence Addendum VI Report	--

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected
 Sincerely,



Angela N. Hood, M.A., RPA
 Project Archaeologist

GAI Consultants, Inc.

Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841
 T 724.873.3545
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	6/29/2018
PROJECT NO.	E160438.00

Quapaw Tribe of Oklahoma
P.O. Box 765
Quapaw, Oklahoma 74363

Attention: Mr. Everett Bandy
Tribal Historic Preservation Officer

PROJECT TITLE:
Spire STL Pipeline Project

SUBJECT:
**Illinois Historic Preservation Agency (IHPA) and
 Missouri State Historic Preservation Office (MO SHPO)
 Concurrence and Comment Letters for Spire STL
 Pipeline Project**

WE ARE SENDING YOU: Paper Documents & Electronic Files
VIA: Regular US Mail
PURPOSE: For Your Use

COMMENTS:

ATTACHMENTS:

Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	--	--	June 22, 2017	IHPA Concurrence Initial Phase I Report	--
1	--	--	November 15, 2017	IHPA Concurrence Addendums I, II, III, and Phase II Reports	--
1	--	--	December 20, 2017	IHPA Concurrence Addendum IV Report	--
1	--	--	March 8, 2018	IHPA Concurrence 11JY801 Phase II Work Plan	--
1	--	--	March 22, 2018	IHPA Concurrence Addendum V Report	--
1	--	--	March 22, 2018	IHPA Concurrence Addendum VI Report	--
1	--	--	June 15, 2018	IHPA Concurrence Addendum VII Report	--
1	--	--	June 15, 2018	IHPA Concurrence 11JY801 Phase II Report	--
1	--	--	June 15, 2018	IHPA Concurrence 11JY789 Avoidance Plan	--
1	--	--	June 15, 2018	IHPA Concurrence 11JY800 Avoidance Plan	--
1	--	--	March 23, 2017	MO SHPO Comment Letter Initial Phase I Report	--
1	--	--	May 23, 2018	MO SHPO Comment Letter Addendum I Report	--
1	--	--	July 28, 2017	MO SHPO Concurrence Revised Initial Phase I Report	--
1	--	--	July 28, 2017	MO SHPO Concurrence Addendum II Report	--
1	--	--	August 15, 2017	MO SHPO Concurrence 23SC2219 Phase II Report	--
1	--	--	September 18, 2017	MO SHPO Concurrence Addendum I Report	--
1	--	--	October 10, 2017	MO SHPO Concurrence Addendum III Report	--
1	--	--	November 29, 2017	MO SHPO Concurrence Architectural Survey	--
1	--	--	December 8, 2017	MO SHPO Concurrence Addendum IV Report	--
1	--	--	January 30, 2018	MO SHPO Comment Letter Addendum V Report	--
1	--	--	March 15, 2018	MO SHPO Concurrence Addendum V Report	--
1	--	--	May 10, 2018	MO SHPO Concurrence Addendum VI Report	--

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected
 Sincerely,



Angela N. Hood, M.A., RPA
 Project Archaeologist

GAI Consultants, Inc.

Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841
 T 724.873.3545
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	6/29/2018
PROJECT NO.	E160438.00

Sac and Fox Tribe of the Missouri in Kansas and Nebraska

**305 North Main
 Reserve, Kansas 66434**

**Attention: Mr. Edmore Green
 Chair**

PROJECT TITLE:

Spire STL Pipeline Project

SUBJECT:

Illinois Historic Preservation Agency (IHPA) and Missouri State Historic Preservation Office (MO SHPO) Concurrence and Comment Letters for Spire STL Pipeline Project

WE ARE SENDING YOU: Paper Documents & Electronic Files

VIA: Regular US Mail

PURPOSE: For Your Use

COMMENTS:

ATTACHMENTS:

Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	--	--	June 22, 2017	IHPA Concurrence Initial Phase I Report	--
1	--	--	November 15, 2017	IHPA Concurrence Addendums I, II, III, and Phase II Reports	--
1	--	--	December 20, 2017	IHPA Concurrence Addendum IV Report	--
1	--	--	March 8, 2018	IHPA Concurrence 11JY801 Phase II Work Plan	--
1	--	--	March 22, 2018	IHPA Concurrence Addendum V Report	--
1	--	--	March 22, 2018	IHPA Concurrence Addendum VI Report	--
1	--	--	June 15, 2018	IHPA Concurrence Addendum VII Report	--
1	--	--	June 15, 2018	IHPA Concurrence 11JY801 Phase II Report	--
1	--	--	June 15, 2018	IHPA Concurrence 11JY789 Avoidance Plan	--
1	--	--	June 15, 2018	IHPA Concurrence 11JY800 Avoidance Plan	--
1	--	--	March 23, 2017	MO SHPO Comment Letter Initial Phase I Report	--
1	--	--	May 23, 2018	MO SHPO Comment Letter Addendum I Report	--
1	--	--	July 28, 2017	MO SHPO Concurrence Revised Initial Phase I Report	--
1	--	--	July 28, 2017	MO SHPO Concurrence Addendum II Report	--
1	--	--	August 15, 2017	MO SHPO Concurrence 23SC2219 Phase II Report	--
1	--	--	September 18, 2017	MO SHPO Concurrence Addendum I Report	--
1	--	--	October 10, 2017	MO SHPO Concurrence Addendum III Report	--
1	--	--	November 29, 2017	MO SHPO Concurrence Architectural Survey	--
1	--	--	December 8, 2017	MO SHPO Concurrence Addendum IV Report	--
1	--	--	January 30, 2018	MO SHPO Comment Letter Addendum V Report	--
1	--	--	March 15, 2018	MO SHPO Concurrence Addendum V Report	--
1	--	--	May 10, 2018	MO SHPO Concurrence Addendum VI Report	--

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected Sincerely,



Angela N. Hood, M.A., RPA
 Project Archaeologist

GAI Consultants, Inc.

Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841
 T 724.873.3545
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	6/29/2018
PROJECT NO.	E160438.00

Sac and Fox Tribe of the Mississippi in Iowa
349 Meskwaki Road
Tama, Iowa 52339

Attention: Mr. Johnathan L. Buffalo
Historic Preservation Director

PROJECT TITLE:
Spire STL Pipeline Project

SUBJECT:
Illinois Historic Preservation Agency (IHPA) and Missouri State Historic Preservation Office (MO SHPO) Concurrence and Comment Letters for Spire STL Pipeline Project

WE ARE SENDING YOU: Paper Documents & Electronic Files
VIA: Regular US Mail
PURPOSE: For Your Use

COMMENTS:

ATTACHMENTS:

Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	--	--	June 22, 2017	IHPA Concurrence Initial Phase I Report	--
1	--	--	November 15, 2017	IHPA Concurrence Addendums I, II, III, and Phase II Reports	--
1	--	--	December 20, 2017	IHPA Concurrence Addendum IV Report	--
1	--	--	March 8, 2018	IHPA Concurrence 11JY801 Phase II Work Plan	--
1	--	--	March 22, 2018	IHPA Concurrence Addendum V Report	--
1	--	--	March 22, 2018	IHPA Concurrence Addendum VI Report	--
1	--	--	June 15, 2018	IHPA Concurrence Addendum VII Report	--
1	--	--	June 15, 2018	IHPA Concurrence 11JY801 Phase II Report	--
1	--	--	June 15, 2018	IHPA Concurrence 11JY789 Avoidance Plan	--
1	--	--	June 15, 2018	IHPA Concurrence 11JY800 Avoidance Plan	--
1	--	--	March 23, 2017	MO SHPO Comment Letter Initial Phase I Report	--
1	--	--	May 23, 2018	MO SHPO Comment Letter Addendum I Report	--
1	--	--	July 28, 2017	MO SHPO Concurrence Revised Initial Phase I Report	--
1	--	--	July 28, 2017	MO SHPO Concurrence Addendum II Report	--
1	--	--	August 15, 2017	MO SHPO Concurrence 23SC2219 Phase II Report	--
1	--	--	September 18, 2017	MO SHPO Concurrence Addendum I Report	--
1	--	--	October 10, 2017	MO SHPO Concurrence Addendum III Report	--
1	--	--	November 29, 2017	MO SHPO Concurrence Architectural Survey	--
1	--	--	December 8, 2017	MO SHPO Concurrence Addendum IV Report	--
1	--	--	January 30, 2018	MO SHPO Comment Letter Addendum V Report	--
1	--	--	March 15, 2018	MO SHPO Concurrence Addendum V Report	--
1	--	--	May 10, 2018	MO SHPO Concurrence Addendum VI Report	--

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected Sincerely,



Angela N. Hood, M.A., RPA
 Project Archaeologist

GAI Consultants, Inc.

Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841
 T 724.873.3545
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	6/29/2018
PROJECT NO.	E160438.00

Sac and Fox Nation of Oklahoma
920883 S. Hwy 99, Building A
Stroud, Oklahoma 74079

Attention: Ms. Sandra Kaye Massey c/o Carol Butler

PROJECT TITLE:
Spire STL Pipeline Project

SUBJECT:
**Illinois Historic Preservation Agency (IHPA) and
 Missouri State Historic Preservation Office (MO SHPO)
 Concurrence and Comment Letters for Spire STL
 Pipeline Project**

WE ARE SENDING YOU: Paper Documents & Electronic Files
VIA: Regular US Mail
PURPOSE: For Your Use

COMMENTS:

ATTACHMENTS:

Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	--	--	June 22, 2017	IHPA Concurrence Initial Phase I Report	--
1	--	--	November 15, 2017	IHPA Concurrence Addendums I, II, III, and Phase II Reports	--
1	--	--	December 20, 2017	IHPA Concurrence Addendum IV Report	--
1	--	--	March 8, 2018	IHPA Concurrence 11JY801 Phase II Work Plan	--
1	--	--	March 22, 2018	IHPA Concurrence Addendum V Report	--
1	--	--	March 22, 2018	IHPA Concurrence Addendum VI Report	--
1	--	--	June 15, 2018	IHPA Concurrence Addendum VII Report	--
1	--	--	June 15, 2018	IHPA Concurrence 11JY801 Phase II Report	--
1	--	--	June 15, 2018	IHPA Concurrence 11JY789 Avoidance Plan	--
1	--	--	June 15, 2018	IHPA Concurrence 11JY800 Avoidance Plan	--
1	--	--	March 23, 2017	MO SHPO Comment Letter Initial Phase I Report	--
1	--	--	May 23, 2018	MO SHPO Comment Letter Addendum I Report	--
1	--	--	July 28, 2017	MO SHPO Concurrence Revised Initial Phase I Report	--
1	--	--	July 28, 2017	MO SHPO Concurrence Addendum II Report	--
1	--	--	August 15, 2017	MO SHPO Concurrence 23SC2219 Phase II Report	--
1	--	--	September 18, 2017	MO SHPO Concurrence Addendum I Report	--
1	--	--	October 10, 2017	MO SHPO Concurrence Addendum III Report	--
1	--	--	November 29, 2017	MO SHPO Concurrence Architectural Survey	--
1	--	--	December 8, 2017	MO SHPO Concurrence Addendum IV Report	--
1	--	--	January 30, 2018	MO SHPO Comment Letter Addendum V Report	--
1	--	--	March 15, 2018	MO SHPO Concurrence Addendum V Report	--
1	--	--	May 10, 2018	MO SHPO Concurrence Addendum VI Report	--

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected
 Sincerely,



Angela N. Hood, M.A., RPA
 Project Archaeologist

GAI Consultants, Inc.

Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841
 T 724.873.3545
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	6/29/2018
PROJECT NO.	E160438.00

PROJECT TITLE: Spire STL Pipeline Project
SUBJECT: Illinois Historic Preservation Agency (IHPA) and Missouri State Historic Preservation Office (MO SHPO) Concurrence and Comment Letters for Spire STL Pipeline Project

United Keetoowah Band of Cherokee Indians of Oklahoma
PO Box 746
Tahlequah, Oklahoma 74465
Attention: Mr. Eric Oosahwee-Voss
Tribal Historic Preservation Officer


WE ARE SENDING YOU: Paper Documents & Electronic Files
VIA: Regular US Mail
PURPOSE: For Your Use

COMMENTS:

ATTACHMENTS:

Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	--	--	June 22, 2017	IHPA Concurrence Initial Phase I Report	--
1	--	--	November 15, 2017	IHPA Concurrence Addendums I, II, III, and Phase II Reports	--
1	--	--	December 20, 2017	IHPA Concurrence Addendum IV Report	--
1	--	--	March 8, 2018	IHPA Concurrence 11JY801 Phase II Work Plan	--
1	--	--	March 22, 2018	IHPA Concurrence Addendum V Report	--
1	--	--	March 22, 2018	IHPA Concurrence Addendum VI Report	--
1	--	--	June 15, 2018	IHPA Concurrence Addendum VII Report	--
1	--	--	June 15, 2018	IHPA Concurrence 11JY801 Phase II Report	--
1	--	--	June 15, 2018	IHPA Concurrence 11JY789 Avoidance Plan	--
1	--	--	June 15, 2018	IHPA Concurrence 11JY800 Avoidance Plan	--
1	--	--	March 23, 2017	MO SHPO Comment Letter Initial Phase I Report	--
1	--	--	May 23, 2018	MO SHPO Comment Letter Addendum I Report	--
1	--	--	July 28, 2017	MO SHPO Concurrence Revised Initial Phase I Report	--
1	--	--	July 28, 2017	MO SHPO Concurrence Addendum II Report	--
1	--	--	August 15, 2017	MO SHPO Concurrence 23SC2219 Phase II Report	--
1	--	--	September 18, 2017	MO SHPO Concurrence Addendum I Report	--
1	--	--	October 10, 2017	MO SHPO Concurrence Addendum III Report	--
1	--	--	November 29, 2017	MO SHPO Concurrence Architectural Survey	--
1	--	--	December 8, 2017	MO SHPO Concurrence Addendum IV Report	--
1	--	--	January 30, 2018	MO SHPO Comment Letter Addendum V Report	--
1	--	--	March 15, 2018	MO SHPO Concurrence Addendum V Report	--
1	--	--	May 10, 2018	MO SHPO Concurrence Addendum VI Report	--

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected
 Sincerely,


 Angela N. Hood, M.A., RPA
 Project Archaeologist

GAI Consultants, Inc.

Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841
 T 724.873.3545
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	6/29/2018
PROJECT NO.	E160438.00

Winnebago Tribe of Nebraska
Tribal Historic Preservation Office
PO Box 687
Winnebago, Nebraska 68071
Attention: Mr. Henry Payer
Tribal Historic Preservation Officer

PROJECT TITLE:
Spire STL Pipeline Project

SUBJECT:
Illinois Historic Preservation Agency (IHPA) and Missouri State Historic Preservation Office (MO SHPO) Concurrence and Comment Letters for Spire STL Pipeline Project

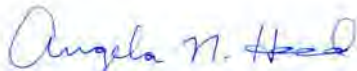
WE ARE SENDING YOU: Paper Documents & Electronic Files
VIA: Regular US Mail
PURPOSE: For Your Use

COMMENTS:

ATTACHMENTS:

Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	--	--	June 22, 2017	IHPA Concurrence Initial Phase I Report	--
1	--	--	November 15, 2017	IHPA Concurrence Addendums I, II, III, and Phase II Reports	--
1	--	--	December 20, 2017	IHPA Concurrence Addendum IV Report	--
1	--	--	March 8, 2018	IHPA Concurrence 11JY801 Phase II Work Plan	--
1	--	--	March 22, 2018	IHPA Concurrence Addendum V Report	--
1	--	--	March 22, 2018	IHPA Concurrence Addendum VI Report	--
1	--	--	June 15, 2018	IHPA Concurrence Addendum VII Report	--
1	--	--	June 15, 2018	IHPA Concurrence 11JY801 Phase II Report	--
1	--	--	June 15, 2018	IHPA Concurrence 11JY789 Avoidance Plan	--
1	--	--	June 15, 2018	IHPA Concurrence 11JY800 Avoidance Plan	--
1	--	--	March 23, 2017	MO SHPO Comment Letter Initial Phase I Report	--
1	--	--	May 23, 2018	MO SHPO Comment Letter Addendum I Report	--
1	--	--	July 28, 2017	MO SHPO Concurrence Revised Initial Phase I Report	--
1	--	--	July 28, 2017	MO SHPO Concurrence Addendum II Report	--
1	--	--	August 15, 2017	MO SHPO Concurrence 23SC2219 Phase II Report	--
1	--	--	September 18, 2017	MO SHPO Concurrence Addendum I Report	--
1	--	--	October 10, 2017	MO SHPO Concurrence Addendum III Report	--
1	--	--	November 29, 2017	MO SHPO Concurrence Architectural Survey	--
1	--	--	December 8, 2017	MO SHPO Concurrence Addendum IV Report	--
1	--	--	January 30, 2018	MO SHPO Comment Letter Addendum V Report	--
1	--	--	March 15, 2018	MO SHPO Concurrence Addendum V Report	--
1	--	--	May 10, 2018	MO SHPO Concurrence Addendum VI Report	--

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected
 Sincerely,



Angela N. Hood, M.A., RPA
 Project Archaeologist

GAI Consultants, Inc.

Southpointe Office
6000 Towne Center Boulevard, Suite 300
Canonsburg, Pennsylvania 15317-5841
T 724.873.3545
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	6/28/2018
PROJECT NO.	E160438.00

PROJECT TITLE: Spire STL Pipeline Project
SUBJECT: Illinois Historic Preservation Agency (IHPA) and Missouri State Historic Preservation Office (MO SHPO) Concurrence and Comment Letters for Spire STL Pipeline Project

Osage Nation
P.O. Box 779
627 Grandview Avenue
Pawhuska, Oklahoma 74056

Attention: Dr. Andrea Hunter
Director/Tribal Historic Preservation Officer

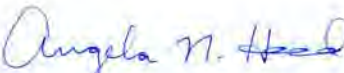
WE ARE SENDING YOU: Paper Documents & Electronic Files
VIA: Regular US Mail
PURPOSE: For Your Use

COMMENTS:

ATTACHMENTS:

Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	--	--	June 22, 2017	IHPA Concurrence Initial Phase I Report	--
1	--	--	November 15, 2017	IHPA Concurrence Addendums I, II, III, and Phase II Reports	--
1	--	--	December 20, 2017	IHPA Concurrence Addendum IV Report	--
1	--	--	March 8, 2018	IHPA Concurrence 11JY801 Phase II Work Plan	--
1	--	--	March 22, 2018	IHPA Concurrence Addendum V Report	--
1	--	--	March 22, 2018	IHPA Concurrence Addendum VI Report	--
1	--	--	June 15, 2018	IHPA Concurrence Addendum VII Report	--
1	--	--	June 15, 2018	IHPA Concurrence 11JY801 Phase II Report	--
1	--	--	June 15, 2018	IHPA Concurrence 11JY789 Avoidance Plan	--
1	--	--	June 15, 2018	IHPA Concurrence 11JY800 Avoidance Plan	--
1	--	--	March 23, 2017	MO SHPO Comment Letter Initial Phase I Report	--
1	--	--	May 23, 2018	MO SHPO Comment Letter Addendum I Report	--
1	--	--	July 28, 2017	MO SHPO Concurrence Revised Initial Phase I Report	--
1	--	--	July 28, 2017	MO SHPO Concurrence Addendum II Report	--
1	--	--	August 15, 2017	MO SHPO Concurrence 23SC2219 Phase II Report	--
1	--	--	September 18, 2017	MO SHPO Concurrence Addendum I Report	--
1	--	--	October 10, 2017	MO SHPO Concurrence Addendum III Report	--
1	--	--	November 29, 2017	MO SHPO Concurrence Architectural Survey	--
1	--	--	December 8, 2017	MO SHPO Concurrence Addendum IV Report	--
1	--	--	January 30, 2018	MO SHPO Comment Letter Addendum V Report	--
1	--	--	March 15, 2018	MO SHPO Concurrence Addendum V Report	--
1	--	--	May 10, 2018	MO SHPO Concurrence Addendum VI Report	--

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected
Sincerely,


Angela N. Hood, M.A., RPA
Project Archaeologist

GAI Consultants, Inc.

Southpointe Office
6000 Towne Center Boulevard, Suite 300
Canonsburg, Pennsylvania 15317-5841
T 724.873.3545
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	6/28/2018
PROJECT NO.	E160438.00

PROJECT TITLE: Spire STL Pipeline Project
SUBJECT: Illinois Historic Preservation Agency (IHPA) and Missouri State Historic Preservation Office (MO SHPO) Concurrence and Comment Letters for Spire STL Pipeline Project

Osage Nation P.O. Box 779 627 Grandview Avenue Pawhuska, Oklahoma 74056
Attention: Dr. Andrea Hunter Director/Tribal Historic Preservation Officer

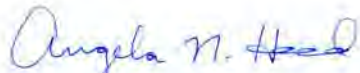
WE ARE SENDING YOU: Paper Documents & Electronic Files
VIA: Regular US Mail
PURPOSE: For Your Use

COMMENTS:

ATTACHMENTS:

Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	--	--	June 22, 2017	IHPA Concurrence Initial Phase I Report	--
1	--	--	November 15, 2017	IHPA Concurrence Addendums I, II, III, and Phase II Reports	--
1	--	--	December 20, 2017	IHPA Concurrence Addendum IV Report	--
1	--	--	March 8, 2018	IHPA Concurrence 11JY801 Phase II Work Plan	--
1	--	--	March 22, 2018	IHPA Concurrence Addendum V Report	--
1	--	--	March 22, 2018	IHPA Concurrence Addendum VI Report	--
1	--	--	June 15, 2018	IHPA Concurrence Addendum VII Report	--
1	--	--	June 15, 2018	IHPA Concurrence 11JY801 Phase II Report	--
1	--	--	June 15, 2018	IHPA Concurrence 11JY789 Avoidance Plan	--
1	--	--	June 15, 2018	IHPA Concurrence 11JY800 Avoidance Plan	--
1	--	--	March 23, 2017	MO SHPO Comment Letter Initial Phase I Report	--
1	--	--	May 23, 2018	MO SHPO Comment Letter Addendum I Report	--
1	--	--	July 28, 2017	MO SHPO Concurrence Revised Initial Phase I Report	--
1	--	--	July 28, 2017	MO SHPO Concurrence Addendum II Report	--
1	--	--	August 15, 2017	MO SHPO Concurrence 23SC2219 Phase II Report	--
1	--	--	September 18, 2017	MO SHPO Concurrence Addendum I Report	--
1	--	--	October 10, 2017	MO SHPO Concurrence Addendum III Report	--
1	--	--	November 29, 2017	MO SHPO Concurrence Architectural Survey	--
1	--	--	December 8, 2017	MO SHPO Concurrence Addendum IV Report	--
1	--	--	January 30, 2018	MO SHPO Comment Letter Addendum V Report	--
1	--	--	March 15, 2018	MO SHPO Concurrence Addendum V Report	--
1	--	--	May 10, 2018	MO SHPO Concurrence Addendum VI Report	--

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected
Sincerely,


Angela N. Hood, M.A., RPA
Project Archaeologist

GAI Consultants, Inc.

Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841
 T 724.873.3545
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	6/25/2018
PROJECT NO.	E160438.00

Winnebago Tribe of Nebraska
Tribal Historic Preservation Office
PO Box 687
Winnebago, Nebraska 68071
Attention: Mr. Henry Payer
Tribal Historic Preservation Officer

PROJECT TITLE:
Spire STL Pipeline Project

SUBJECT:
Spire STL Pipeline Project: Jersey County, Illinois
Site 11JY801 Phase II Report
Addendum VII Phase I Archaeological Survey Report
Site 11JY789 Avoidance Plan
Site 11JY800 Avoidance Plan

WE ARE SENDING YOU: Electronic Files
VIA: Regular US Mail
PURPOSE: For Review and Comment

COMMENTS:

ATTACHMENTS:

Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	--	--	May 11, 2018	Cover Letter – Site 11JY801 Phase II Report	--
1	--	--	May 11, 2018	Site 11JY801 Phase II Report	--
1	--	--	May 11, 2018	Site 11JY801 Phase II Archaeological Survey Short Report	--
1	--	--	May 11, 2018	Cover Letter – Illinois Addendum VII Phase I Report	--
1	--	--	May 11, 2018	Illinois Addendum VII Phase I Archaeological Survey Report	--
1	--	--	May 11, 2018	Illinois Addendum VII Archaeological Survey Short Report	--
1	--	--	May 11, 2018	Site 11JY789 Avoidance Plan	--
1	--	--	May 11, 2018	Site 11JY800 Avoidance Plan	--

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected

DISTRIBUTION:

Name	Company	Transmittal (Y/N)	Attachments (Y/N)

Sincerely,



Angela N. Hood, M.A., RPA
 Project Archaeologist

GAI Consultants, Inc.

Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841
 T 724.873.3545
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	6/25/2018
PROJECT NO.	E160438.00

United Keetoowah Band of Cherokee Indians of Oklahoma
PO Box 746
Tahlequah, Oklahoma 74465
Attention: Mr. Eric Oosahwee-Voss
Tribal Historic Preservation Officer

PROJECT TITLE:
Spire STL Pipeline Project

SUBJECT:
Spire STL Pipeline Project: Jersey County, Illinois
Site 11JY801 Phase II Report
Addendum VII Phase I Archaeological Survey Report
Site 11JY789 Avoidance Plan
Site 11JY800 Avoidance Plan

WE ARE SENDING YOU: Electronic Files
VIA: Regular US Mail
PURPOSE: For Review and Comment

COMMENTS:

ATTACHMENTS:


Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	--	--	May 11, 2018	Cover Letter – Site 11JY801 Phase II Report	--
1	--	--	May 11, 2018	Site 11JY801 Phase II Report	--
1	--	--	May 11, 2018	Site 11JY801 Phase II Archaeological Survey Short Report	--
1	--	--	May 11, 2018	Cover Letter – Illinois Addendum VII Phase I Report	--
1	--	--	May 11, 2018	Illinois Addendum VII Phase I Archaeological Survey Report	--
1	--	--	May 11, 2018	Illinois Addendum VII Archaeological Survey Short Report	--
1	--	--	May 11, 2018	Site 11JY789 Avoidance Plan	--
1	--	--	May 11, 2018	Site 11JY800 Avoidance Plan	--

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected

DISTRIBUTION:

Name	Company	Transmittal (Y/N)	Attachments (Y/N)

Sincerely,



Angela N. Hood, M.A., RPA
 Project Archaeologist

GAI Consultants, Inc.

Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841
 T 724.873.3545
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	6/25/2018
PROJECT NO.	E160438.00

Sac and Fox Nation of Oklahoma
920883 S. Hwy 99, Building A
Stroud, Oklahoma 74079

Attention: Ms. Sandra Kaye Massey c/o Carol Butler

PROJECT TITLE:
Spire STL Pipeline Project

SUBJECT:
Spire STL Pipeline Project: Jersey County, Illinois
Site 11JY801 Phase II Report
Addendum VII Phase I Archaeological Survey Report
Site 11JY789 Avoidance Plan
Site 11JY800 Avoidance Plan

WE ARE SENDING YOU: Electronic Files
VIA: Regular US Mail
PURPOSE: For Review and Comment

COMMENTS:

ATTACHMENTS:

Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	--	--	May 11, 2018	Cover Letter – Site 11JY801 Phase II Report	--
1	--	--	May 11, 2018	Site 11JY801 Phase II Report	--
1	--	--	May 11, 2018	Site 11JY801 Phase II Archaeological Survey Short Report	--
1	--	--	May 11, 2018	Cover Letter – Illinois Addendum VII Phase I Report	--
1	--	--	May 11, 2018	Illinois Addendum VII Phase I Archaeological Survey Report	--
1	--	--	May 11, 2018	Illinois Addendum VII Archaeological Survey Short Report	--
1	--	--	May 11, 2018	Site 11JY789 Avoidance Plan	--
1	--	--	May 11, 2018	Site 11JY800 Avoidance Plan	--

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected

DISTRIBUTION:

Name	Company	Transmittal (Y/N)	Attachments (Y/N)

Sincerely,



Angela N. Hood, M.A., RPA
 Project Archaeologist

GAI Consultants, Inc.

Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841
 T 724.873.3545
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	6/25/2018
PROJECT NO.	E160438.00

Sac and Fox Tribe of the Missouri in Kansas and Nebraska
305 North Main
Reserve, Kansas 66434
Attention: Mr. Edmore Green
Chair

PROJECT TITLE:
Spire STL Pipeline Project

SUBJECT:
Spire STL Pipeline Project: Jersey County, Illinois
Site 11JY801 Phase II Report
Addendum VII Phase I Archaeological Survey Report
Site 11JY789 Avoidance Plan
Site 11JY800 Avoidance Plan

WE ARE SENDING YOU: Electronic Files
VIA: Regular US Mail
PURPOSE: For Review and Comment

COMMENTS:

ATTACHMENTS:

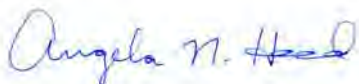
Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	--	--	May 11, 2018	Cover Letter – Site 11JY801 Phase II Report	--
1	--	--	May 11, 2018	Site 11JY801 Phase II Report	--
1	--	--	May 11, 2018	Site 11JY801 Phase II Archaeological Survey Short Report	--
1	--	--	May 11, 2018	Cover Letter – Illinois Addendum VII Phase I Report	--
1	--	--	May 11, 2018	Illinois Addendum VII Phase I Archaeological Survey Report	--
1	--	--	May 11, 2018	Illinois Addendum VII Archaeological Survey Short Report	--
1	--	--	May 11, 2018	Site 11JY789 Avoidance Plan	--
1	--	--	May 11, 2018	Site 11JY800 Avoidance Plan	--

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected

DISTRIBUTION:

Name	Company	Transmittal (Y/N)	Attachments (Y/N)

Sincerely,



Angela N. Hood, M.A., RPA
 Project Archaeologist

GAI Consultants, Inc.

Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841
 T 724.873.3545
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	6/25/2018
PROJECT NO.	E160438.00

Sac and Fox Tribe of the Mississippi in Iowa
349 Meskwaki Road
Tama, Iowa 52339

Attention: Mr. Johnathan L. Buffalo
Historic Preservation Director

PROJECT TITLE:
Spire STL Pipeline Project

SUBJECT:
Spire STL Pipeline Project: Jersey County, Illinois
Site 11JY801 Phase II Report
Addendum VII Phase I Archaeological Survey Report
Site 11JY789 Avoidance Plan
Site 11JY800 Avoidance Plan

WE ARE SENDING YOU: Electronic Files
VIA: Regular US Mail
PURPOSE: For Review and Comment

COMMENTS:

ATTACHMENTS:

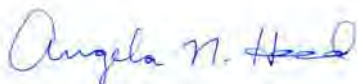
Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	--	--	May 11, 2018	Cover Letter – Site 11JY801 Phase II Report	--
1	--	--	May 11, 2018	Site 11JY801 Phase II Report	--
1	--	--	May 11, 2018	Site 11JY801 Phase II Archaeological Survey Short Report	--
1	--	--	May 11, 2018	Cover Letter – Illinois Addendum VII Phase I Report	--
1	--	--	May 11, 2018	Illinois Addendum VII Phase I Archaeological Survey Report	--
1	--	--	May 11, 2018	Illinois Addendum VII Archaeological Survey Short Report	--
1	--	--	May 11, 2018	Site 11JY789 Avoidance Plan	--
1	--	--	May 11, 2018	Site 11JY800 Avoidance Plan	--

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected

DISTRIBUTION:

Name	Company	Transmittal (Y/N)	Attachments (Y/N)

Sincerely,



Angela N. Hood, M.A., RPA
 Project Archaeologist

GAI Consultants, Inc.

Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841
 T 724.873.3545
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	6/25/2018
PROJECT NO.	E160438.00

Quapaw Tribe of Oklahoma
P.O. Box 765
Quapaw, Oklahoma 74363

Attention: Mr. Everett Bandy
Tribal Historic Preservation Officer

PROJECT TITLE:
Spire STL Pipeline Project

SUBJECT:
Spire STL Pipeline Project: Jersey County, Illinois
Site 11JY801 Phase II Report
Addendum VII Phase I Archaeological Survey Report
Site 11JY789 Avoidance Plan
Site 11JY800 Avoidance Plan

WE ARE SENDING YOU: Electronic Files
VIA: Regular US Mail
PURPOSE: For Review and Comment

COMMENTS:

ATTACHMENTS:

Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	--	--	May 11, 2018	Cover Letter – Site 11JY801 Phase II Report	--
1	--	--	May 11, 2018	Site 11JY801 Phase II Report	--
1	--	--	May 11, 2018	Site 11JY801 Phase II Archaeological Survey Short Report	--
1	--	--	May 11, 2018	Cover Letter – Illinois Addendum VII Phase I Report	--
1	--	--	May 11, 2018	Illinois Addendum VII Phase I Archaeological Survey Report	--
1	--	--	May 11, 2018	Illinois Addendum VII Archaeological Survey Short Report	--
1	--	--	May 11, 2018	Site 11JY789 Avoidance Plan	--
1	--	--	May 11, 2018	Site 11JY800 Avoidance Plan	--

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected

DISTRIBUTION:

Name	Company	Transmittal (Y/N)	Attachments (Y/N)

Sincerely,



Angela N. Hood, M.A., RPA
 Project Archaeologist

GAI Consultants, Inc.

Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841
 T 724.873.3545
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	6/25/2018
PROJECT NO.	E160438.00

Ponca Tribe of Nebraska
P.O. Box 288
Niobrara, Nebraska 68760

Attention: Mr. Shannon Wright
Tribal Historic Preservation Officer

PROJECT TITLE:
Spire STL Pipeline Project

SUBJECT:
Spire STL Pipeline Project: Jersey County, Illinois
Site 11JY801 Phase II Report
Addendum VII Phase I Archaeological Survey Report
Site 11JY789 Avoidance Plan
Site 11JY800 Avoidance Plan

WE ARE SENDING YOU: Electronic Files
VIA: Regular US Mail
PURPOSE: For Review and Comment

COMMENTS:

ATTACHMENTS:

Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	--	--	May 11, 2018	Cover Letter – Site 11JY801 Phase II Report	--
1	--	--	May 11, 2018	Site 11JY801 Phase II Report	--
1	--	--	May 11, 2018	Site 11JY801 Phase II Archaeological Survey Short Report	--
1	--	--	May 11, 2018	Cover Letter – Illinois Addendum VII Phase I Report	--
1	--	--	May 11, 2018	Illinois Addendum VII Phase I Archaeological Survey Report	--
1	--	--	May 11, 2018	Illinois Addendum VII Archaeological Survey Short Report	--
1	--	--	May 11, 2018	Site 11JY789 Avoidance Plan	--
1	--	--	May 11, 2018	Site 11JY800 Avoidance Plan	--

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected

DISTRIBUTION:

Name	Company	Transmittal (Y/N)	Attachments (Y/N)

Sincerely,



Angela N. Hood, M.A., RPA
 Project Archaeologist

GAI Consultants, Inc.

Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841
 T 724.873.3545
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	6/25/2018
PROJECT NO.	E160438.00

Miami Tribe of Oklahoma
3410 P Street NW
Miami, Oklahoma 74354

Attention: Ms. Diane Hunter
Acting Tribal Historic Preservation Officer

PROJECT TITLE:
Spire STL Pipeline Project

SUBJECT:
Spire STL Pipeline Project: Jersey County, Illinois
Site 11JY801 Phase II Report
Addendum VII Phase I Archaeological Survey Report
Site 11JY789 Avoidance Plan
Site 11JY800 Avoidance Plan

WE ARE SENDING YOU: Electronic Files
VIA: Regular US Mail
PURPOSE: For Review and Comment

COMMENTS:

ATTACHMENTS:

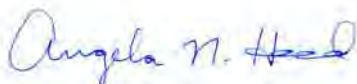
Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	--	--	May 11, 2018	Cover Letter – Site 11JY801 Phase II Report	--
1	--	--	May 11, 2018	Site 11JY801 Phase II Report	--
1	--	--	May 11, 2018	Site 11JY801 Phase II Archaeological Survey Short Report	--
1	--	--	May 11, 2018	Cover Letter – Illinois Addendum VII Phase I Report	--
1	--	--	May 11, 2018	Illinois Addendum VII Phase I Archaeological Survey Report	--
1	--	--	May 11, 2018	Illinois Addendum VII Archaeological Survey Short Report	--
1	--	--	May 11, 2018	Site 11JY789 Avoidance Plan	--
1	--	--	May 11, 2018	Site 11JY800 Avoidance Plan	--

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected

DISTRIBUTION:

Name	Company	Transmittal (Y/N)	Attachments (Y/N)

Sincerely,



Angela N. Hood, M.A., RPA
 Project Archaeologist

GAI Consultants, Inc.

Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841
 T 724.873.3545
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	6/25/2018
PROJECT NO.	E160438.00

Peoria Tribe of Indians of Oklahoma
PO Box 1527 118 S. Eight Tribes Trails
Miami, Oklahoma 74355

Attention: Mr. Logan Pappenfort

PROJECT TITLE:
Spire STL Pipeline Project

SUBJECT:
Spire STL Pipeline Project: Jersey County, Illinois
Site 11JY801 Phase II Report
Addendum VII Phase I Archaeological Survey Report
Site 11JY789 Avoidance Plan
Site 11JY800 Avoidance Plan

WE ARE SENDING YOU: Electronic Files
VIA: Regular US Mail
PURPOSE: For Review and Comment

COMMENTS:

ATTACHMENTS:

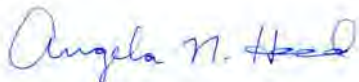
Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	--	--	May 11, 2018	Cover Letter – Site 11JY801 Phase II Report	--
1	--	--	May 11, 2018	Site 11JY801 Phase II Report	--
1	--	--	May 11, 2018	Site 11JY801 Phase II Archaeological Survey Short Report	--
1	--	--	May 11, 2018	Cover Letter – Illinois Addendum VII Phase I Report	--
1	--	--	May 11, 2018	Illinois Addendum VII Phase I Archaeological Survey Report	--
1	--	--	May 11, 2018	Illinois Addendum VII Archaeological Survey Short Report	--
1	--	--	May 11, 2018	Site 11JY789 Avoidance Plan	--
1	--	--	May 11, 2018	Site 11JY800 Avoidance Plan	--

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected

DISTRIBUTION:

Name	Company	Transmittal (Y/N)	Attachments (Y/N)

Sincerely,



Angela N. Hood, M.A., RPA
 Project Archaeologist

GAI Consultants, Inc.

Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841
 T 724.873.3545
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	6/25/2018
PROJECT NO.	E160438.00

Osage Nation
P.O. Box 779 627 Grandview Avenue
Pawhuska, Oklahoma 74056

Attention: Mr. John Fox
Archaeologist

PROJECT TITLE:
Spire STL Pipeline Project

SUBJECT:
Spire STL Pipeline Project: Jersey County, Illinois
Site 11JY801 Phase II Report
Addendum VII Phase I Archaeological Survey Report
Site 11JY789 Avoidance Plan
Site 11JY800 Avoidance Plan

WE ARE SENDING YOU: Electronic Files
VIA: Regular US Mail
PURPOSE: For Review and Comment

COMMENTS:

ATTACHMENTS:

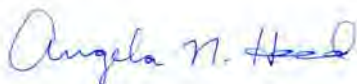
Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	--	--	May 11, 2018	Cover Letter – Site 11JY801 Phase II Report	--
1	--	--	May 11, 2018	Site 11JY801 Phase II Report	--
1	--	--	May 11, 2018	Site 11JY801 Phase II Archaeological Survey Short Report	--
1	--	--	May 11, 2018	Cover Letter – Illinois Addendum VII Phase I Report	--
1	--	--	May 11, 2018	Illinois Addendum VII Phase I Archaeological Survey Report	--
1	--	--	May 11, 2018	Illinois Addendum VII Archaeological Survey Short Report	--
1	--	--	May 11, 2018	Site 11JY789 Avoidance Plan	--
1	--	--	May 11, 2018	Site 11JY800 Avoidance Plan	--

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected

DISTRIBUTION:

Name	Company	Transmittal (Y/N)	Attachments (Y/N)

Sincerely,



Angela N. Hood, M.A., RPA
 Project Archaeologist

GAI Consultants, Inc.

Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841
 T 724.873.3545
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	6/25/2018
PROJECT NO.	E160438.00

Osage Nation
P.O. Box 779 627 Grandview Avenue
Pawhuska, Oklahoma 74056

Attention: Ms. Andrea Hunter
Director/Tribal Historic Preservation Officer

PROJECT TITLE:
Spire STL Pipeline Project

SUBJECT:
Spire STL Pipeline Project: Jersey County, Illinois
Site 11JY801 Phase II Report
Addendum VII Phase I Archaeological Survey Report
Site 11JY789 Avoidance Plan
Site 11JY800 Avoidance Plan

WE ARE SENDING YOU: Electronic Files
VIA: Regular US Mail
PURPOSE: For Review and Comment

COMMENTS:

ATTACHMENTS:


Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	--	--	May 11, 2018	Cover Letter – Site 11JY801 Phase II Report	--
1	--	--	May 11, 2018	Site 11JY801 Phase II Report	--
1	--	--	May 11, 2018	Site 11JY801 Phase II Archaeological Survey Short Report	--
1	--	--	May 11, 2018	Cover Letter – Illinois Addendum VII Phase I Report	--
1	--	--	May 11, 2018	Illinois Addendum VII Phase I Archaeological Survey Report	--
1	--	--	May 11, 2018	Illinois Addendum VII Archaeological Survey Short Report	--
1	--	--	May 11, 2018	Site 11JY789 Avoidance Plan	--
1	--	--	May 11, 2018	Site 11JY800 Avoidance Plan	--

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected

DISTRIBUTION:

Name	Company	Transmittal (Y/N)	Attachments (Y/N)

Sincerely,



Angela N. Hood, M.A., RPA
 Project Archaeologist

GAI Consultants, Inc.

Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841
 T 724.873.3545
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	6/25/2018
PROJECT NO.	E160438.00

Ho-Chunk Nation
P.O. Box 667
Black River Falls, Wisconsin 54815

Attention: Mr. Bill Quackenbush
Tribal Historic Preservation Officer

PROJECT TITLE:
Spire STL Pipeline Project

SUBJECT:
Spire STL Pipeline Project: Jersey County, Illinois
Site 11JY801 Phase II Report
Addendum VII Phase I Archaeological Survey Report
Site 11JY789 Avoidance Plan
Site 11JY800 Avoidance Plan

WE ARE SENDING YOU: Electronic Files
VIA: Regular US Mail
PURPOSE: For Review and Comment

COMMENTS:

ATTACHMENTS:

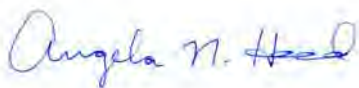
Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	--	--	May 11, 2018	Cover Letter – Site 11JY801 Phase II Report	--
1	--	--	May 11, 2018	Site 11JY801 Phase II Report	--
1	--	--	May 11, 2018	Site 11JY801 Phase II Archaeological Survey Short Report	--
1	--	--	May 11, 2018	Cover Letter – Illinois Addendum VII Phase I Report	--
1	--	--	May 11, 2018	Illinois Addendum VII Phase I Archaeological Survey Report	--
1	--	--	May 11, 2018	Illinois Addendum VII Archaeological Survey Short Report	--
1	--	--	May 11, 2018	Site 11JY789 Avoidance Plan	--
1	--	--	May 11, 2018	Site 11JY800 Avoidance Plan	--

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected

DISTRIBUTION:

Name	Company	Transmittal (Y/N)	Attachments (Y/N)

Sincerely,



Angela N. Hood, M.A., RPA
 Project Archaeologist

GAI Consultants, Inc.

Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841
 T 724.873.3545
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	6/25/2018
PROJECT NO.	E160438.00

Kaw Indian Nation of Oklahoma
Drawer 50
Kaw City, Oklahoma 74641

Attention: Ms. Jacqlyn Secondine Hensley
Chairman

PROJECT TITLE:
Spire STL Pipeline Project

SUBJECT:
Spire STL Pipeline Project: Jersey County, Illinois
Site 11JY801 Phase II Report
Addendum VII Phase I Archaeological Survey Report
Site 11JY789 Avoidance Plan
Site 11JY800 Avoidance Plan

WE ARE SENDING YOU: Electronic Files
VIA: Regular US Mail
PURPOSE: For Review and Comment

COMMENTS:

ATTACHMENTS:

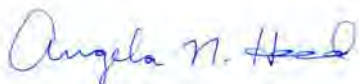
Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	--	--	May 11, 2018	Cover Letter – Site 11JY801 Phase II Report	--
1	--	--	May 11, 2018	Site 11JY801 Phase II Report	--
1	--	--	May 11, 2018	Site 11JY801 Phase II Archaeological Survey Short Report	--
1	--	--	May 11, 2018	Cover Letter – Illinois Addendum VII Phase I Report	--
1	--	--	May 11, 2018	Illinois Addendum VII Phase I Archaeological Survey Report	--
1	--	--	May 11, 2018	Illinois Addendum VII Archaeological Survey Short Report	--
1	--	--	May 11, 2018	Site 11JY789 Avoidance Plan	--
1	--	--	May 11, 2018	Site 11JY800 Avoidance Plan	--

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected

DISTRIBUTION:

Name	Company	Transmittal (Y/N)	Attachments (Y/N)

Sincerely,



Angela N. Hood, M.A., RPA
 Project Archaeologist

GAI Consultants, Inc.

Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841
 T 724.873.3545
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	6/25/2018
PROJECT NO.	E160438.00

Kaw Indian Nation of Oklahoma
Drawer 50
Kaw City, Oklahoma 74641

Attention: Ms. Crystal Douglas
Museum Director

PROJECT TITLE:
Spire STL Pipeline Project

SUBJECT:
Spire STL Pipeline Project: Jersey County, Illinois
Site 11JY801 Phase II Report
Addendum VII Phase I Archaeological Survey Report
Site 11JY789 Avoidance Plan
Site 11JY800 Avoidance Plan

WE ARE SENDING YOU: Electronic Files
VIA: Regular US Mail
PURPOSE: For Review and Comment

COMMENTS:

ATTACHMENTS:

Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	--	--	May 11, 2018	Cover Letter – Site 11JY801 Phase II Report	--
1	--	--	May 11, 2018	Site 11JY801 Phase II Report	--
1	--	--	May 11, 2018	Site 11JY801 Phase II Archaeological Survey Short Report	--
1	--	--	May 11, 2018	Cover Letter – Illinois Addendum VII Phase I Report	--
1	--	--	May 11, 2018	Illinois Addendum VII Phase I Archaeological Survey Report	--
1	--	--	May 11, 2018	Illinois Addendum VII Archaeological Survey Short Report	--
1	--	--	May 11, 2018	Site 11JY789 Avoidance Plan	--
1	--	--	May 11, 2018	Site 11JY800 Avoidance Plan	--

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected

DISTRIBUTION:

Name	Company	Transmittal (Y/N)	Attachments (Y/N)

Sincerely,



Angela N. Hood, M.A., RPA
 Project Archaeologist

GAI Consultants, Inc.

Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841
 T 724.873.3545
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	6/25/2018
PROJECT NO.	E160438.00

Iowa Tribe of Kansas and Nebraska
3345 B. Thrasher Road
White Cloud, Kansas 66094

Attention: Mr. Lance M. Foster
Tribal Historic Preservation Officer

PROJECT TITLE:
Spire STL Pipeline Project

SUBJECT:
Spire STL Pipeline Project: Jersey County, Illinois
Site 11JY801 Phase II Report
Addendum VII Phase I Archaeological Survey Report
Site 11JY789 Avoidance Plan
Site 11JY800 Avoidance Plan

WE ARE SENDING YOU: Electronic Files
VIA: Regular US Mail
PURPOSE: For Review and Comment

COMMENTS:

ATTACHMENTS:

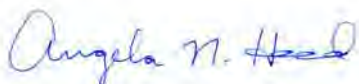
Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	--	--	May 11, 2018	Cover Letter – Site 11JY801 Phase II Report	--
1	--	--	May 11, 2018	Site 11JY801 Phase II Report	--
1	--	--	May 11, 2018	Site 11JY801 Phase II Archaeological Survey Short Report	--
1	--	--	May 11, 2018	Cover Letter – Illinois Addendum VII Phase I Report	--
1	--	--	May 11, 2018	Illinois Addendum VII Phase I Archaeological Survey Report	--
1	--	--	May 11, 2018	Illinois Addendum VII Archaeological Survey Short Report	--
1	--	--	May 11, 2018	Site 11JY789 Avoidance Plan	--
1	--	--	May 11, 2018	Site 11JY800 Avoidance Plan	--

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected

DISTRIBUTION:

Name	Company	Transmittal (Y/N)	Attachments (Y/N)

Sincerely,



Angela N. Hood, M.A., RPA
 Project Archaeologist

GAI Consultants, Inc.

Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841
 T 724.873.3545
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	6/25/2018
PROJECT NO.	E160438.00

Iowa Tribe of Oklahoma
Cultural Preservation Department
335588 E. 750 Rd
Perkins, Oklahoma 74059

Attention: Tribal Historical Preservation Officer

PROJECT TITLE:
Spire STL Pipeline Project

SUBJECT:
Spire STL Pipeline Project: Jersey County, Illinois
Site 11JY801 Phase II Report
Addendum VII Phase I Archaeological Survey Report
Site 11JY789 Avoidance Plan
Site 11JY800 Avoidance Plan

WE ARE SENDING YOU: Electronic Files
VIA: Regular US Mail
PURPOSE: For Review and Comment

COMMENTS:

ATTACHMENTS:

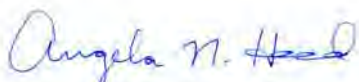
Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	--	--	May 11, 2018	Cover Letter – Site 11JY801 Phase II Report	--
1	--	--	May 11, 2018	Site 11JY801 Phase II Report	--
1	--	--	May 11, 2018	Site 11JY801 Phase II Archaeological Survey Short Report	--
1	--	--	May 11, 2018	Cover Letter – Illinois Addendum VII Phase I Report	--
1	--	--	May 11, 2018	Illinois Addendum VII Phase I Archaeological Survey Report	--
1	--	--	May 11, 2018	Illinois Addendum VII Archaeological Survey Short Report	--
1	--	--	May 11, 2018	Site 11JY789 Avoidance Plan	--
1	--	--	May 11, 2018	Site 11JY800 Avoidance Plan	--

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected

DISTRIBUTION:

Name	Company	Transmittal (Y/N)	Attachments (Y/N)

Sincerely,



Angela N. Hood, M.A., RPA
 Project Archaeologist

Ali Trunzo

Subject: FW: Spire Pipeline Project - Osage Nation Requests

From: James W. Munkres <jwmunkres@osagenation-nsn.gov>

Sent: Wednesday, June 27, 2018 10:40 AM

To: 'Dave.Freeman@spireenergy.com' <Dave.Freeman@spireenergy.com>

Cc: Andrea Hunter <ahunter@osagenation-nsn.gov>; 'Russ.English@spireenergy.com' <Russ.English@spireenergy.com>;
Ferry, Lori M <lmferry@burnsmcd.com>

Subject: Spire Pipeline Project - Osage Nation Requests

Date: June 27, 2018

ONHPO File: 1718-290PL-10

Re: FERC Certificate of Public Convenience and Necessity for the Spire STL Pipeline Project in Scott, Greene, and Jersey Counties, Illinois and St. Charles and St. Louis Counties, Missouri

Spire STL Pipeline, LLC
Michael C. Geiselhart

Dear Mr. Geiselhart,

The Osage Nation has received and reviewed your notice of FERC's consideration of a Certificate of Public Convenience and Necessity for the Spire STL Pipeline Project in Scott, Greene, and Jersey Counties, Illinois and St. Charles and St. Louis Counties, Missouri. The Osage Nation requests that Spire organize a consultation meeting where we may discuss concerns that we have not yet had the opportunity to share with you. **As FERC is still considering the matter, the Section 106 process and the consultation that it requires, has not yet been completed. Please provide our office with a list of possible dates for the proposed meeting. Also, the Osage Nation requests copies of all Missouri and Illinois State Historic Preservation Office responses.**

In accordance with the National Historic Preservation Act, (NHPA) [16 U.S.C. 470 §§ 470-470w-6] 1966, undertakings subject to the review process are referred to in S101 (d) (6) (A), which clarifies that historic properties may have religious and cultural significance to Indian tribes. Additionally, Section 106 of NHPA requires Federal agencies to consider the effects of their actions on historic properties (36 CFR Part 800) as does the National Environmental Policy Act (43 U.S.C. 4321 and 4331-35 and 40 CFR 1501.7(a) of 1969).

The Osage Nation has a vital interest in protecting its historic and ancestral cultural resources, which are protected under the NHPA, NEPA, the Native American Graves Protection and Repatriation Act, and Osage law, and appreciates your consideration of the provided information in the planning process. **The Osage Nation anticipates meeting with Spire STL Pipeline Company, LLC and receiving Missouri and Illinois SHPO correspondence for the project.**

Should you have any questions or need any additional information, please feel free to contact me at the number listed below. Thank you for consulting with the Osage Nation on this matter.

Sincerely,

Andrea A. Hunter, Ph.D.
Director, Tribal Historic Preservation Officer
ahunter@osagenation-nsn.gov

James Munkres
Archaeologist
jwmunkres@osagenation-nsn.gov

Osage Nation Historic Preservation Office

James Munkres, Archaeologist

627 Grandview Avenue

Pawhuska, OK 74056

Office #: (918) 287-5328

Email: jwmunkres@osagenation-nsn.gov

ONHPO Website: <https://www.osagenation-nsn.gov/who-we-are/historic-preservation>

Ali Trunzo

From: Ferry, Lori M <lmferry@burnsmcd.com>
Sent: Friday, June 22, 2018 3:12 PM
To: Ali Trunzo; Angela Hood
Subject: Fwd: Spire STL Pipeline

Sent from my iPhone

Begin forwarded message:

From: "Feeman, Dave L." <Dave.Feeman@spireenergy.com>
Date: June 22, 2018 at 2:53:20 PM EDT
To: "abledsoe@osagenation-nsn.gov" <abledsoe@osagenation-nsn.gov>
Cc: "English, Russ A." <Russ.English@spireenergy.com>, "Ferry, Lori M" <lmferry@burnsmcd.com>
Subject: Spire STL Pipeline

Good afternoon, Amy.

I received your voicemail requesting a route map of the Spire STL Pipeline. Rather than flooding your inbox with documentation, I figured I'd direct you to the pipeline website.

You can find information regarding the pipeline at the following location:

<https://www.spireenergy.com/spire-stl-pipeline>

A route map can be found in the "About" section.

Resource reports can be found in the "Regulatory Information" section.

Let me know if you have any questions.

Thank you

Dave Feeman, PE

Project Engineer, Strategy & Corporate Development

314.356.1886 Mobile



GAI Consultants, Inc.

Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841
 T 724.873.3545
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	2/27/2018
PROJECT NO.	E160438.00

Ho-Chunk Nation
P.O. Box 667
Black River Falls, Wisconsin 54815

Attention: Mr. Bill Quackenbush
Tribal Historic Preservation Officer

PROJECT TITLE:
Spire STL Pipeline Project

SUBJECT:
**Spire STL Pipeline Project Addendum VI Phase I
 Archaeological Survey Reports, Illinois and Missouri**

WE ARE SENDING YOU: Electronic Files
VIA: Regular US Mail
PURPOSE: For Review and Comment

COMMENTS:

ATTACHMENTS:

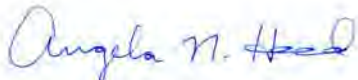
Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	--	--	February 16, 2018	Cover Letter – Illinois Addendum VI Phase I Report Submittal to IHPA	--
1	--	--	February 16, 2018	Illinois Addendum VI Phase I Archaeological Survey Report	--
1	--	--	February 16, 2018	Illinois Addendum VI Archaeological Survey Short Report	--
1	--	--	February 26, 2018	Cover Letter – Addendum VI Phase I Report Submittal to MO SHPO	--
1	--	--	February 26, 2018	Missouri Addendum VI Phase I Archaeological Survey Report	--
1	--	--	February 26, 2018	Missouri Addendum VI Section 106 Survey Memo	--

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected

DISTRIBUTION:

Name	Company	Transmittal (Y/N)	Attachments (Y/N)

Sincerely,



Angela N. Hood, M.A., RPA
 Project Archaeologist

GAI Consultants, Inc.

Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841
 T 724.873.3545
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	2/27/2018
PROJECT NO.	E160438.00

Iowa Tribe of Kansas and Nebraska
3345 B. Thrasher Road
White Cloud, Kansas 66094

Attention: Mr. Lance M. Foster
Tribal Historic Preservation Officer

PROJECT TITLE:
Spire STL Pipeline Project

SUBJECT:
**Spire STL Pipeline Project Addendum VI Phase I
 Archaeological Survey Reports, Illinois and Missouri**

WE ARE SENDING YOU: Electronic Files
VIA: Regular US Mail
PURPOSE: For Review and Comment

COMMENTS:

ATTACHMENTS:

Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	--	--	February 16, 2018	Cover Letter – Illinois Addendum VI Phase I Report Submittal to IHPA	--
1	--	--	February 16, 2018	Illinois Addendum VI Phase I Archaeological Survey Report	--
1	--	--	February 16, 2018	Illinois Addendum VI Archaeological Survey Short Report	--
1	--	--	February 26, 2018	Cover Letter – Addendum VI Phase I Report Submittal to MO SHPO	--
1	--	--	February 26, 2018	Missouri Addendum VI Phase I Archaeological Survey Report	--
1	--	--	February 26, 2018	Missouri Addendum VI Section 106 Survey Memo	--

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected

DISTRIBUTION:

Name	Company	Transmittal (Y/N)	Attachments (Y/N)

Sincerely,



Angela N. Hood, M.A., RPA
 Project Archaeologist

GAI Consultants, Inc.

Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841
 T 724.873.3545
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	2/27/2018
PROJECT NO.	E160438.00

Iowa Tribe of Oklahoma
Cultural Preservation Department
 335588 E. 750 Rd
 Perkins, Oklahoma 74059

Attention: Tribal Historical Preservation Officer

PROJECT TITLE:
Spire STL Pipeline Project

SUBJECT:
**Spire STL Pipeline Project Addendum VI Phase I
 Archaeological Survey Reports, Illinois and Missouri**

WE ARE SENDING YOU: Electronic Files
VIA: Regular US Mail
PURPOSE: For Review and Comment

COMMENTS:

ATTACHMENTS:

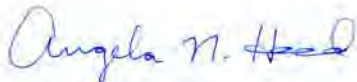
Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	--	--	February 16, 2018	Cover Letter – Illinois Addendum VI Phase I Report Submittal to IHPA	--
1	--	--	February 16, 2018	Illinois Addendum VI Phase I Archaeological Survey Report	--
1	--	--	February 16, 2018	Illinois Addendum VI Archaeological Survey Short Report	--
1	--	--	February 26, 2018	Cover Letter – Addendum VI Phase I Report Submittal to MO SHPO	--
1	--	--	February 26, 2018	Missouri Addendum VI Phase I Archaeological Survey Report	--
1	--	--	February 26, 2018	Missouri Addendum VI Section 106 Survey Memo	--

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected

DISTRIBUTION:

Name	Company	Transmittal (Y/N)	Attachments (Y/N)

Sincerely,



Angela N. Hood, M.A., RPA
 Project Archaeologist

GAI Consultants, Inc.

Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841
 T 724.873.3545
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	2/27/2018
PROJECT NO.	E160438.00

Kaw Indian Nation of Oklahoma
Drawer 50
Kaw City, Oklahoma 74641

Attention: Ms. Crystal Douglas
Museum Director

PROJECT TITLE:
Spire STL Pipeline Project

SUBJECT:
Spire STL Pipeline Project Addendum VI Phase I Archaeological Survey Reports, Illinois and Missouri

WE ARE SENDING YOU: Electronic Files
VIA: Regular US Mail
PURPOSE: For Review and Comment

COMMENTS:

ATTACHMENTS:

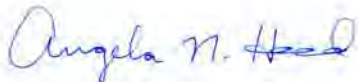
Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	--	--	February 16, 2018	Cover Letter – Illinois Addendum VI Phase I Report Submittal to IHPA	--
1	--	--	February 16, 2018	Illinois Addendum VI Phase I Archaeological Survey Report	--
1	--	--	February 16, 2018	Illinois Addendum VI Archaeological Survey Short Report	--
1	--	--	February 26, 2018	Cover Letter – Addendum VI Phase I Report Submittal to MO SHPO	--
1	--	--	February 26, 2018	Missouri Addendum VI Phase I Archaeological Survey Report	--
1	--	--	February 26, 2018	Missouri Addendum VI Section 106 Survey Memo	--

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected

DISTRIBUTION:

Name	Company	Transmittal (Y/N)	Attachments (Y/N)

Sincerely,



Angela N. Hood, M.A., RPA
 Project Archaeologist

GAI Consultants, Inc.

Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841
 T 724.873.3545
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	2/27/2018
PROJECT NO.	E160438.00

Kaw Indian Nation of Oklahoma
Drawer 50
Kaw City, Oklahoma 74641

Attention: Ms. Jacquyn Secondine Hensley
Chairman

PROJECT TITLE:
Spire STL Pipeline Project

SUBJECT:
**Spire STL Pipeline Project Addendum VI Phase I
 Archaeological Survey Reports, Illinois and Missouri**

WE ARE SENDING YOU: Electronic Files
VIA: Regular US Mail
PURPOSE: For Review and Comment

COMMENTS:

ATTACHMENTS:

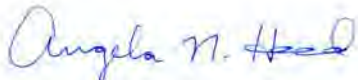
Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	--	--	February 16, 2018	Cover Letter – Illinois Addendum VI Phase I Report Submittal to IHPA	--
1	--	--	February 16, 2018	Illinois Addendum VI Phase I Archaeological Survey Report	--
1	--	--	February 16, 2018	Illinois Addendum VI Archaeological Survey Short Report	--
1	--	--	February 26, 2018	Cover Letter – Addendum VI Phase I Report Submittal to MO SHPO	--
1	--	--	February 26, 2018	Missouri Addendum VI Phase I Archaeological Survey Report	--
1	--	--	February 26, 2018	Missouri Addendum VI Section 106 Survey Memo	--

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected

DISTRIBUTION:

Name	Company	Transmittal (Y/N)	Attachments (Y/N)

Sincerely,



Angela N. Hood, M.A., RPA
 Project Archaeologist

GAI Consultants, Inc.

Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841
 T 724.873.3545
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	2/27/2018
PROJECT NO.	E160438.00

Miami Tribe of Oklahoma
3410 P Street NW
Miami, Oklahoma 74354

Attention: Ms. Diane Hunter
Acting Tribal Historic Preservation Officer

PROJECT TITLE:
Spire STL Pipeline Project

SUBJECT:
Spire STL Pipeline Project Addendum VI Phase I Archaeological Survey Reports, Illinois and Missouri

WE ARE SENDING YOU: Electronic Files
VIA: Regular US Mail
PURPOSE: For Review and Comment

COMMENTS:

ATTACHMENTS:

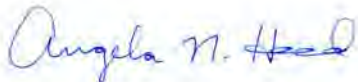
Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	--	--	February 16, 2018	Cover Letter – Illinois Addendum VI Phase I Report Submittal to IHPA	--
1	--	--	February 16, 2018	Illinois Addendum VI Phase I Archaeological Survey Report	--
1	--	--	February 16, 2018	Illinois Addendum VI Archaeological Survey Short Report	--
1	--	--	February 26, 2018	Cover Letter – Addendum VI Phase I Report Submittal to MO SHPO	--
1	--	--	February 26, 2018	Missouri Addendum VI Phase I Archaeological Survey Report	--
1	--	--	February 26, 2018	Missouri Addendum VI Section 106 Survey Memo	--

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected

DISTRIBUTION:

Name	Company	Transmittal (Y/N)	Attachments (Y/N)

Sincerely,



Angela N. Hood, M.A., RPA
 Project Archaeologist

GAI Consultants, Inc.

Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841
 T 724.873.3545
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	2/27/2018
PROJECT NO.	E160438.00

Osage Nation
P.O. Box 779 627 Grandview Avenue
Pawhuska, Oklahoma 74056

Attention: Ms. Andrea Hunter
Director/Tribal Historic Preservation Officer

PROJECT TITLE:
Spire STL Pipeline Project

SUBJECT:
**Spire STL Pipeline Project Addendum VI Phase I
 Archaeological Survey Reports, Illinois and Missouri**

WE ARE SENDING YOU: Electronic Files
VIA: Regular US Mail
PURPOSE: For Review and Comment

COMMENTS:

ATTACHMENTS:

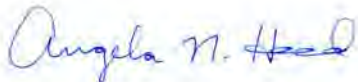
Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	--	--	February 16, 2018	Cover Letter – Illinois Addendum VI Phase I Report Submittal to IHPA	--
1	--	--	February 16, 2018	Illinois Addendum VI Phase I Archaeological Survey Report	--
1	--	--	February 16, 2018	Illinois Addendum VI Archaeological Survey Short Report	--
1	--	--	February 26, 2018	Cover Letter – Addendum VI Phase I Report Submittal to MO SHPO	--
1	--	--	February 26, 2018	Missouri Addendum VI Phase I Archaeological Survey Report	--
1	--	--	February 26, 2018	Missouri Addendum VI Section 106 Survey Memo	--

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected

DISTRIBUTION:

Name	Company	Transmittal (Y/N)	Attachments (Y/N)

Sincerely,



Angela N. Hood, M.A., RPA
 Project Archaeologist

GAI Consultants, Inc.

Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841
 T 724.873.3545
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	2/27/2018
PROJECT NO.	E160438.00

Osage Nation
P.O. Box 779 627 Grandview Avenue
Pawhuska, Oklahoma 74056

Attention: Mr. John Fox
Archaeologist

PROJECT TITLE:
Spire STL Pipeline Project

SUBJECT:
**Spire STL Pipeline Project Addendum VI Phase I
 Archaeological Survey Reports, Illinois and Missouri**

WE ARE SENDING YOU: Electronic Files
VIA: Regular US Mail
PURPOSE: For Review and Comment

COMMENTS:

ATTACHMENTS:

Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	--	--	February 16, 2018	Cover Letter – Illinois Addendum VI Phase I Report Submittal to IHPA	--
1	--	--	February 16, 2018	Illinois Addendum VI Phase I Archaeological Survey Report	--
1	--	--	February 16, 2018	Illinois Addendum VI Archaeological Survey Short Report	--
1	--	--	February 26, 2018	Cover Letter – Addendum VI Phase I Report Submittal to MO SHPO	--
1	--	--	February 26, 2018	Missouri Addendum VI Phase I Archaeological Survey Report	--
1	--	--	February 26, 2018	Missouri Addendum VI Section 106 Survey Memo	--

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected

DISTRIBUTION:

Name	Company	Transmittal (Y/N)	Attachments (Y/N)

Sincerely,



Angela N. Hood, M.A., RPA
 Project Archaeologist

GAI Consultants, Inc.

Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841
 T 724.873.3545
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	2/27/2018
PROJECT NO.	E160438.00

Peoria Tribe of Indians of Oklahoma
PO Box 1527 118 S. Eight Tribes Trails
Miami, Oklahoma 74355

Attention: Mr. Logan Pappenfort

PROJECT TITLE:
Spire STL Pipeline Project

SUBJECT:
**Spire STL Pipeline Project Addendum VI Phase I
 Archaeological Survey Reports, Illinois and Missouri**

WE ARE SENDING YOU: Electronic Files
VIA: Regular US Mail
PURPOSE: For Review and Comment

COMMENTS:

ATTACHMENTS:

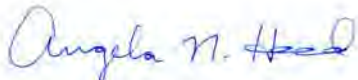
Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	--	--	February 16, 2018	Cover Letter – Illinois Addendum VI Phase I Report Submittal to IHPA	--
1	--	--	February 16, 2018	Illinois Addendum VI Phase I Archaeological Survey Report	--
1	--	--	February 16, 2018	Illinois Addendum VI Archaeological Survey Short Report	--
1	--	--	February 26, 2018	Cover Letter – Addendum VI Phase I Report Submittal to MO SHPO	--
1	--	--	February 26, 2018	Missouri Addendum VI Phase I Archaeological Survey Report	--
1	--	--	February 26, 2018	Missouri Addendum VI Section 106 Survey Memo	--

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected

DISTRIBUTION:

Name	Company	Transmittal (Y/N)	Attachments (Y/N)

Sincerely,



Angela N. Hood, M.A., RPA
 Project Archaeologist

GAI Consultants, Inc.

Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841
 T 724.873.3545
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	2/27/2018
PROJECT NO.	E160438.00

Ponca Tribe of Nebraska
P.O. Box 288
Niobrara, Nebraska 68760

Attention: Mr. Shannon Wright
Tribal Historic Preservation Officer

PROJECT TITLE:
Spire STL Pipeline Project

SUBJECT:
**Spire STL Pipeline Project Addendum VI Phase I
 Archaeological Survey Reports, Illinois and Missouri**

WE ARE SENDING YOU: Electronic Files
VIA: Regular US Mail
PURPOSE: For Review and Comment

COMMENTS:

ATTACHMENTS:

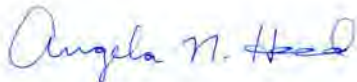
Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	--	--	February 16, 2018	Cover Letter – Illinois Addendum VI Phase I Report Submittal to IHPA	--
1	--	--	February 16, 2018	Illinois Addendum VI Phase I Archaeological Survey Report	--
1	--	--	February 16, 2018	Illinois Addendum VI Archaeological Survey Short Report	--
1	--	--	February 26, 2018	Cover Letter – Addendum VI Phase I Report Submittal to MO SHPO	--
1	--	--	February 26, 2018	Missouri Addendum VI Phase I Archaeological Survey Report	--
1	--	--	February 26, 2018	Missouri Addendum VI Section 106 Survey Memo	--

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected

DISTRIBUTION:

Name	Company	Transmittal (Y/N)	Attachments (Y/N)

Sincerely,



Angela N. Hood, M.A., RPA
 Project Archaeologist

GAI Consultants, Inc.

Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841
 T 724.873.3545
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	2/27/2018
PROJECT NO.	E160438.00

Quapaw Tribe of Oklahoma
P.O. Box 765
Quapaw, Oklahoma 74363

Attention: Mr. Everett Bandy
Tribal Historic Preservation Officer

PROJECT TITLE:
Spire STL Pipeline Project

SUBJECT:
**Spire STL Pipeline Project Addendum VI Phase I
 Archaeological Survey Reports, Illinois and Missouri**

WE ARE SENDING YOU: Electronic Files
VIA: Regular US Mail
PURPOSE: For Review and Comment

COMMENTS:

ATTACHMENTS:

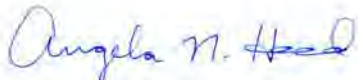
Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	--	--	February 16, 2018	Cover Letter – Illinois Addendum VI Phase I Report Submittal to IHPA	--
1	--	--	February 16, 2018	Illinois Addendum VI Phase I Archaeological Survey Report	--
1	--	--	February 16, 2018	Illinois Addendum VI Archaeological Survey Short Report	--
1	--	--	February 26, 2018	Cover Letter – Addendum VI Phase I Report Submittal to MO SHPO	--
1	--	--	February 26, 2018	Missouri Addendum VI Phase I Archaeological Survey Report	--
1	--	--	February 26, 2018	Missouri Addendum VI Section 106 Survey Memo	--

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected

DISTRIBUTION:

Name	Company	Transmittal (Y/N)	Attachments (Y/N)

Sincerely,



Angela N. Hood, M.A., RPA
 Project Archaeologist

GAI Consultants, Inc.

Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841
 T 724.873.3545
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	2/27/2018
PROJECT NO.	E160438.00

Sac and Fox Nation of Oklahoma
920883 S. Hwy 99, Building A
Stroud, Oklahoma 74079

Attention: Ms. Sandra Kaye Massey c/o Carol Butler

PROJECT TITLE:
Spire STL Pipeline Project

SUBJECT:
**Spire STL Pipeline Project Addendum VI Phase I
 Archaeological Survey Reports, Illinois and Missouri**

WE ARE SENDING YOU: Electronic Files
VIA: Regular US Mail
PURPOSE: For Review and Comment

COMMENTS:

ATTACHMENTS:

Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	--	--	February 16, 2018	Cover Letter – Illinois Addendum VI Phase I Report Submittal to IHPA	--
1	--	--	February 16, 2018	Illinois Addendum VI Phase I Archaeological Survey Report	--
1	--	--	February 16, 2018	Illinois Addendum VI Archaeological Survey Short Report	--
1	--	--	February 26, 2018	Cover Letter – Addendum VI Phase I Report Submittal to MO SHPO	--
1	--	--	February 26, 2018	Missouri Addendum VI Phase I Archaeological Survey Report	--
1	--	--	February 26, 2018	Missouri Addendum VI Section 106 Survey Memo	--

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected

DISTRIBUTION:

Name	Company	Transmittal (Y/N)	Attachments (Y/N)

Sincerely,



Angela N. Hood, M.A., RPA
 Project Archaeologist

GAI Consultants, Inc.

Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841
 T 724.873.3545
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	2/27/2018
PROJECT NO.	E160438.00

Sac and Fox Tribe of the Mississippi in Iowa
349 Meskwaki Road
Tama, Iowa 52339

Attention: Mr. Johnathan L. Buffalo
Historic Preservation Director

PROJECT TITLE:
Spire STL Pipeline Project

SUBJECT:
Spire STL Pipeline Project Addendum VI Phase I Archaeological Survey Reports, Illinois and Missouri

WE ARE SENDING YOU: Electronic Files
VIA: Regular US Mail
PURPOSE: For Review and Comment

COMMENTS:

ATTACHMENTS:

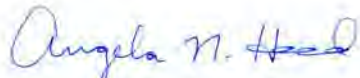
Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	--	--	February 16, 2018	Cover Letter – Illinois Addendum VI Phase I Report Submittal to IHPA	--
1	--	--	February 16, 2018	Illinois Addendum VI Phase I Archaeological Survey Report	--
1	--	--	February 16, 2018	Illinois Addendum VI Archaeological Survey Short Report	--
1	--	--	February 26, 2018	Cover Letter – Addendum VI Phase I Report Submittal to MO SHPO	--
1	--	--	February 26, 2018	Missouri Addendum VI Phase I Archaeological Survey Report	--
1	--	--	February 26, 2018	Missouri Addendum VI Section 106 Survey Memo	--

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected

DISTRIBUTION:

Name	Company	Transmittal (Y/N)	Attachments (Y/N)

Sincerely,


 Angela N. Hood, M.A., RPA
 Project Archaeologist

GAI Consultants, Inc.

Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841
 T 724.873.3545
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	2/27/2018
PROJECT NO.	E160438.00

Sac and Fox Tribe of the Missouri in Kansas and Nebraska
 305 North Main
 Reserve, Kansas 66434
Attention: Mr. Edmore Green
 Chair

PROJECT TITLE:
Spire STL Pipeline Project

SUBJECT:
Spire STL Pipeline Project Addendum VI Phase I Archaeological Survey Reports, Illinois and Missouri

WE ARE SENDING YOU: Electronic Files
VIA: Regular US Mail
PURPOSE: For Review and Comment

COMMENTS:

ATTACHMENTS:

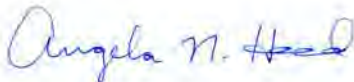
Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	--	--	February 16, 2018	Cover Letter – Illinois Addendum VI Phase I Report Submittal to IHPA	--
1	--	--	February 16, 2018	Illinois Addendum VI Phase I Archaeological Survey Report	--
1	--	--	February 16, 2018	Illinois Addendum VI Archaeological Survey Short Report	--
1	--	--	February 26, 2018	Cover Letter – Addendum VI Phase I Report Submittal to MO SHPO	--
1	--	--	February 26, 2018	Missouri Addendum VI Phase I Archaeological Survey Report	--
1	--	--	February 26, 2018	Missouri Addendum VI Section 106 Survey Memo	--

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected

DISTRIBUTION:

Name	Company	Transmittal (Y/N)	Attachments (Y/N)

Sincerely,



Angela N. Hood, M.A., RPA
 Project Archaeologist

GAI Consultants, Inc.

Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841
 T 724.873.3545
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	2/27/2018
PROJECT NO.	E160438.00

United Keetoowah Band of Cherokee Indians of Oklahoma
PO Box 746
Tahlequah, Oklahoma 74465
Attention: Mr. Eric Oosahwee-Voss
Tribal Historic Preservation Officer

PROJECT TITLE:
Spire STL Pipeline Project

SUBJECT:
Spire STL Pipeline Project Addendum VI Phase I Archaeological Survey Reports, Illinois and Missouri

WE ARE SENDING YOU: Electronic Files
VIA: Regular US Mail
PURPOSE: For Review and Comment

COMMENTS:

ATTACHMENTS:

Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	--	--	February 16, 2018	Cover Letter – Illinois Addendum VI Phase I Report Submittal to IHPA	--
1	--	--	February 16, 2018	Illinois Addendum VI Phase I Archaeological Survey Report	--
1	--	--	February 16, 2018	Illinois Addendum VI Archaeological Survey Short Report	--
1	--	--	February 26, 2018	Cover Letter – Addendum VI Phase I Report Submittal to MO SHPO	--
1	--	--	February 26, 2018	Missouri Addendum VI Phase I Archaeological Survey Report	--
1	--	--	February 26, 2018	Missouri Addendum VI Section 106 Survey Memo	--

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected

DISTRIBUTION:

Name	Company	Transmittal (Y/N)	Attachments (Y/N)

Sincerely,



Angela N. Hood, M.A., RPA
 Project Archaeologist

GAI Consultants, Inc.

Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841
 T 724.873.3545
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	2/27/2018
PROJECT NO.	E160438.00

Winnebago Tribe of Nebraska
Tribal Historic Preservation Office
 PO Box 687
 Winnebago, Nebraska 68071
Attention: Mr. Henry Payer
 Tribal Historic Preservation Officer

PROJECT TITLE:
Spire STL Pipeline Project

SUBJECT:
**Spire STL Pipeline Project Addendum VI Phase I
 Archaeological Survey Reports, Illinois and Missouri**

WE ARE SENDING YOU: Electronic Files
VIA: Regular US Mail
PURPOSE: For Review and Comment

COMMENTS:

ATTACHMENTS:

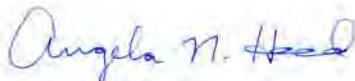
Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	--	--	February 16, 2018	Cover Letter – Illinois Addendum VI Phase I Report Submittal to IHPA	--
1	--	--	February 16, 2018	Illinois Addendum VI Phase I Archaeological Survey Report	--
1	--	--	February 16, 2018	Illinois Addendum VI Archaeological Survey Short Report	--
1	--	--	February 26, 2018	Cover Letter – Addendum VI Phase I Report Submittal to MO SHPO	--
1	--	--	February 26, 2018	Missouri Addendum VI Phase I Archaeological Survey Report	--
1	--	--	February 26, 2018	Missouri Addendum VI Section 106 Survey Memo	--

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected

DISTRIBUTION:

Name	Company	Transmittal (Y/N)	Attachments (Y/N)

Sincerely,



Angela N. Hood, M.A., RPA
 Project Archaeologist

GAI Consultants, Inc.

Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841
 T 724.873.3545
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	1/11/2018
PROJECT NO.	E160438.00

Ho-Chunk Nation
P.O. Box 667
Black River Falls, Wisconsin 54815

Attention: Mr. Bill Quackenbush
Tribal Historic Preservation Officer

PROJECT TITLE:
Spire STL Pipeline Project

SUBJECT:
**Spire STL Pipeline Project Addendum V Phase I
 Archaeological Survey Reports, Illinois and Missouri**

WE ARE SENDING YOU: Electronic Files
VIA: Regular US Mail
PURPOSE: For Review and Comment

COMMENTS:

ATTACHMENTS:

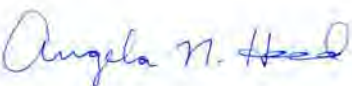
Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	--	--	January 10, 2018	Cover Letter – Illinois Addendum V Phase I Report Submittal to IHPA	--
1	--	--	January 10, 2018	Illinois Addendum V Phase I Archaeological Survey Report	--
1	--	--	January 10, 2018	Illinois Addendum V Archaeological Survey Short Report	--
1	--	--	January 10, 2018	Cover Letter – Addendum V Phase I Report Submittal to MO SHPO	--
1	--	--	January 10, 2018	Missouri Addendum V Phase I Archaeological Survey Report	--
1	--	--	January 10, 2018	Missouri Addendum V Section 106 Survey Memo	--

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected

DISTRIBUTION:

Name	Company	Transmittal (Y/N)	Attachments (Y/N)

Sincerely,


 Angela N. Hood, M.A., RPA
 Project Archaeologist

GAI Consultants, Inc.

Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841
 T 724.873.3545
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	1/11/2018
PROJECT NO.	E160438.00

Iowa Tribe of Kansas and Nebraska
3345 B. Thrasher Road
White Cloud, Kansas 66094

Attention: Mr. Lance M. Foster
Tribal Historic Preservation Officer

PROJECT TITLE:
Spire STL Pipeline Project

SUBJECT:
**Spire STL Pipeline Project Addendum V Phase I
 Archaeological Survey Reports, Illinois and Missouri**

WE ARE SENDING YOU: Electronic Files
VIA: Regular US Mail
PURPOSE: For Review and Comment

COMMENTS:

ATTACHMENTS:

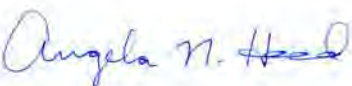
Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	--	--	January 10, 2018	Cover Letter – Illinois Addendum V Phase I Report Submittal to IHPA	--
1	--	--	January 10, 2018	Illinois Addendum V Phase I Archaeological Survey Report	--
1	--	--	January 10, 2018	Illinois Addendum V Archaeological Survey Short Report	--
1	--	--	January 10, 2018	Cover Letter – Addendum V Phase I Report Submittal to MO SHPO	--
1	--	--	January 10, 2018	Missouri Addendum V Phase I Archaeological Survey Report	--
1	--	--	January 10, 2018	Missouri Addendum V Section 106 Survey Memo	--

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected

DISTRIBUTION:

Name	Company	Transmittal (Y/N)	Attachments (Y/N)

Sincerely,


 Angela N. Hood, M.A., RPA
 Project Archaeologist

GAI Consultants, Inc.

Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841
 T 724.873.3545
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	1/11/2018
PROJECT NO.	E160438.00

Iowa Tribe of Oklahoma
Cultural Preservation Department
 335588 E. 750 Rd
 Perkins, Oklahoma 74059

Attention: Tribal Historical Preservation Officer

PROJECT TITLE:
Spire STL Pipeline Project

SUBJECT:
**Spire STL Pipeline Project Addendum V Phase I
 Archaeological Survey Reports, Illinois and Missouri**

WE ARE SENDING YOU: Electronic Files
VIA: Regular US Mail
PURPOSE: For Review and Comment

COMMENTS:

ATTACHMENTS:

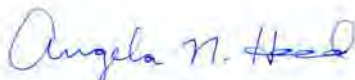
Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	--	--	January 10, 2018	Cover Letter – Illinois Addendum V Phase I Report Submittal to IHPA	--
1	--	--	January 10, 2018	Illinois Addendum V Phase I Archaeological Survey Report	--
1	--	--	January 10, 2018	Illinois Addendum V Archaeological Survey Short Report	--
1	--	--	January 10, 2018	Cover Letter – Addendum V Phase I Report Submittal to MO SHPO	--
1	--	--	January 10, 2018	Missouri Addendum V Phase I Archaeological Survey Report	--
1	--	--	January 10, 2018	Missouri Addendum V Section 106 Survey Memo	--

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected

DISTRIBUTION:

Name	Company	Transmittal (Y/N)	Attachments (Y/N)

Sincerely,



Angela N. Hood, M.A., RPA
 Project Archaeologist

GAI Consultants, Inc.

Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841
 T 724.873.3545
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	1/11/2018
PROJECT NO.	E160438.00

Kaw Indian Nation of Oklahoma
Drawer 50
Kaw City, Oklahoma 74641

Attention: Ms. Crystal Douglas
Museum Director

PROJECT TITLE:
Spire STL Pipeline Project

SUBJECT:
**Spire STL Pipeline Project Addendum V Phase I
 Archaeological Survey Reports, Illinois and Missouri**

WE ARE SENDING YOU: Electronic Files
VIA: Regular US Mail
PURPOSE: For Review and Comment

COMMENTS:

ATTACHMENTS:

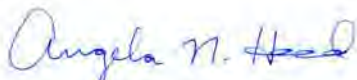
Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	--	--	January 10, 2018	Cover Letter – Illinois Addendum V Phase I Report Submittal to IHPA	--
1	--	--	January 10, 2018	Illinois Addendum V Phase I Archaeological Survey Report	--
1	--	--	January 10, 2018	Illinois Addendum V Archaeological Survey Short Report	--
1	--	--	January 10, 2018	Cover Letter – Addendum V Phase I Report Submittal to MO SHPO	--
1	--	--	January 10, 2018	Missouri Addendum V Phase I Archaeological Survey Report	--
1	--	--	January 10, 2018	Missouri Addendum V Section 106 Survey Memo	--

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected

DISTRIBUTION:

Name	Company	Transmittal (Y/N)	Attachments (Y/N)

Sincerely,



Angela N. Hood, M.A., RPA
 Project Archaeologist

GAI Consultants, Inc.

Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841
 T 724.873.3545
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	1/11/2018
PROJECT NO.	E160438.00

Kaw Indian Nation of Oklahoma
Drawer 50
Kaw City, Oklahoma 74641

Attention: Ms. Jacquyn Secondine Hensley
Chairman

PROJECT TITLE:
Spire STL Pipeline Project

SUBJECT:
Spire STL Pipeline Project Addendum V Phase I
Archaeological Survey Reports, Illinois and Missouri

WE ARE SENDING YOU: Electronic Files
VIA: Regular US Mail
PURPOSE: For Review and Comment

COMMENTS:

ATTACHMENTS:

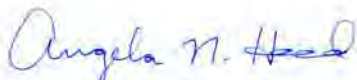
Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	--	--	January 10, 2018	Cover Letter – Illinois Addendum V Phase I Report Submittal to IHPA	--
1	--	--	January 10, 2018	Illinois Addendum V Phase I Archaeological Survey Report	--
1	--	--	January 10, 2018	Illinois Addendum V Archaeological Survey Short Report	--
1	--	--	January 10, 2018	Cover Letter – Addendum V Phase I Report Submittal to MO SHPO	--
1	--	--	January 10, 2018	Missouri Addendum V Phase I Archaeological Survey Report	--
1	--	--	January 10, 2018	Missouri Addendum V Section 106 Survey Memo	--

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected

DISTRIBUTION:

Name	Company	Transmittal (Y/N)	Attachments (Y/N)

Sincerely,



Angela N. Hood, M.A., RPA
 Project Archaeologist

GAI Consultants, Inc.

Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841
 T 724.873.3545
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	1/11/2018
PROJECT NO.	E160438.00

Miami Tribe of Oklahoma
3410 P Street NW
Miami, Oklahoma 74354

Attention: Ms. Diane Hunter
Acting Tribal Historic Preservation Officer

PROJECT TITLE:
Spire STL Pipeline Project

SUBJECT:
**Spire STL Pipeline Project Addendum V Phase I
 Archaeological Survey Reports, Illinois and Missouri**

WE ARE SENDING YOU: Electronic Files
VIA: Regular US Mail
PURPOSE: For Review and Comment

COMMENTS:

ATTACHMENTS:

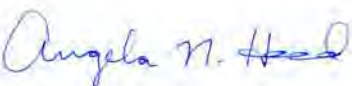
Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	--	--	January 10, 2018	Cover Letter – Illinois Addendum V Phase I Report Submittal to IHPA	--
1	--	--	January 10, 2018	Illinois Addendum V Phase I Archaeological Survey Report	--
1	--	--	January 10, 2018	Illinois Addendum V Archaeological Survey Short Report	--
1	--	--	January 10, 2018	Cover Letter – Addendum V Phase I Report Submittal to MO SHPO	--
1	--	--	January 10, 2018	Missouri Addendum V Phase I Archaeological Survey Report	--
1	--	--	January 10, 2018	Missouri Addendum V Section 106 Survey Memo	--

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected

DISTRIBUTION:

Name	Company	Transmittal (Y/N)	Attachments (Y/N)

Sincerely,


 Angela N. Hood, M.A., RPA
 Project Archaeologist

GAI Consultants, Inc.

Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841
 T 724.873.3545
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	1/11/2018
PROJECT NO.	E160438.00

Osage Nation
P.O. Box 779 627 Grandview Avenue
Pawhuska, Oklahoma 74056

Attention: Ms. Andrea Hunter
Director/Tribal Historic Preservation Officer

PROJECT TITLE:
Spire STL Pipeline Project

SUBJECT:
**Spire STL Pipeline Project Addendum V Phase I
 Archaeological Survey Reports, Illinois and Missouri**

WE ARE SENDING YOU: Electronic Files
VIA: Regular US Mail
PURPOSE: For Review and Comment

COMMENTS:

ATTACHMENTS:

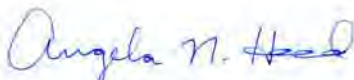
Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	--	--	January 10, 2018	Cover Letter – Illinois Addendum V Phase I Report Submittal to IHPA	--
1	--	--	January 10, 2018	Illinois Addendum V Phase I Archaeological Survey Report	--
1	--	--	January 10, 2018	Illinois Addendum V Archaeological Survey Short Report	--
1	--	--	January 10, 2018	Cover Letter – Addendum V Phase I Report Submittal to MO SHPO	--
1	--	--	January 10, 2018	Missouri Addendum V Phase I Archaeological Survey Report	--
1	--	--	January 10, 2018	Missouri Addendum V Section 106 Survey Memo	--

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected

DISTRIBUTION:

Name	Company	Transmittal (Y/N)	Attachments (Y/N)

Sincerely,



Angela N. Hood, M.A., RPA
 Project Archaeologist

GAI Consultants, Inc.

Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841
 T 724.873.3545
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	1/11/2018
PROJECT NO.	E160438.00

Osage Nation
P.O. Box 779 627 Grandview Avenue
Pawhuska, Oklahoma 74056

Attention: Mr. John Fox
Archaeologist

PROJECT TITLE:
Spire STL Pipeline Project

SUBJECT:
**Spire STL Pipeline Project Addendum V Phase I
 Archaeological Survey Reports, Illinois and Missouri**

WE ARE SENDING YOU: Electronic Files
VIA: Regular US Mail
PURPOSE: For Review and Comment

COMMENTS:

ATTACHMENTS:

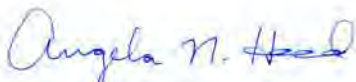
Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	--	--	January 10, 2018	Cover Letter – Illinois Addendum V Phase I Report Submittal to IHPA	--
1	--	--	January 10, 2018	Illinois Addendum V Phase I Archaeological Survey Report	--
1	--	--	January 10, 2018	Illinois Addendum V Archaeological Survey Short Report	--
1	--	--	January 10, 2018	Cover Letter – Addendum V Phase I Report Submittal to MO SHPO	--
1	--	--	January 10, 2018	Missouri Addendum V Phase I Archaeological Survey Report	--
1	--	--	January 10, 2018	Missouri Addendum V Section 106 Survey Memo	--

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected

DISTRIBUTION:

Name	Company	Transmittal (Y/N)	Attachments (Y/N)

Sincerely,



Angela N. Hood, M.A., RPA
 Project Archaeologist

GAI Consultants, Inc.

Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841
 T 724.873.3545
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	1/11/2018
PROJECT NO.	E160438.00

Peoria Tribe of Indians of Oklahoma
PO Box 1527 118 S. Eight Tribes Trails
Miami, Oklahoma 74355

Attention: Mr. Logan Pappenfort

PROJECT TITLE:
Spire STL Pipeline Project

SUBJECT:
**Spire STL Pipeline Project Addendum V Phase I
 Archaeological Survey Reports, Illinois and Missouri**

WE ARE SENDING YOU: Electronic Files
VIA: Regular US Mail
PURPOSE: For Review and Comment

COMMENTS:

ATTACHMENTS:

Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	--	--	January 10, 2018	Cover Letter – Illinois Addendum V Phase I Report Submittal to IHPA	--
1	--	--	January 10, 2018	Illinois Addendum V Phase I Archaeological Survey Report	--
1	--	--	January 10, 2018	Illinois Addendum V Archaeological Survey Short Report	--
1	--	--	January 10, 2018	Cover Letter – Addendum V Phase I Report Submittal to MO SHPO	--
1	--	--	January 10, 2018	Missouri Addendum V Phase I Archaeological Survey Report	--
1	--	--	January 10, 2018	Missouri Addendum V Section 106 Survey Memo	--

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected

DISTRIBUTION:

Name	Company	Transmittal (Y/N)	Attachments (Y/N)

Sincerely,



Angela N. Hood, M.A., RPA
 Project Archaeologist

GAI Consultants, Inc.

Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841
 T 724.873.3545
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	1/11/2018
PROJECT NO.	E160438.00

Ponca Tribe of Nebraska
P.O. Box 288
Niobrara, Nebraska 68760

Attention: Mr. Shannon Wright
Tribal Historic Preservation Officer

PROJECT TITLE:
Spire STL Pipeline Project

SUBJECT:
**Spire STL Pipeline Project Addendum V Phase I
 Archaeological Survey Reports, Illinois and Missouri**

WE ARE SENDING YOU: Electronic Files
VIA: Regular US Mail
PURPOSE: For Review and Comment

COMMENTS:

ATTACHMENTS:

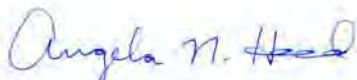
Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	--	--	January 10, 2018	Cover Letter – Illinois Addendum V Phase I Report Submittal to IHPA	--
1	--	--	January 10, 2018	Illinois Addendum V Phase I Archaeological Survey Report	--
1	--	--	January 10, 2018	Illinois Addendum V Archaeological Survey Short Report	--
1	--	--	January 10, 2018	Cover Letter – Addendum V Phase I Report Submittal to MO SHPO	--
1	--	--	January 10, 2018	Missouri Addendum V Phase I Archaeological Survey Report	--
1	--	--	January 10, 2018	Missouri Addendum V Section 106 Survey Memo	--

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected

DISTRIBUTION:

Name	Company	Transmittal (Y/N)	Attachments (Y/N)

Sincerely,



Angela N. Hood, M.A., RPA
 Project Archaeologist

GAI Consultants, Inc.

Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841
 T 724.873.3545
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	1/11/2018
PROJECT NO.	E160438.00

Quapaw Tribe of Oklahoma
P.O. Box 765
Quapaw, Oklahoma 74363

Attention: Mr. Everett Bandy
Tribal Historic Preservation Officer

PROJECT TITLE:
Spire STL Pipeline Project

SUBJECT:
**Spire STL Pipeline Project Addendum V Phase I
 Archaeological Survey Reports, Illinois and Missouri**

WE ARE SENDING YOU: Electronic Files
VIA: Regular US Mail
PURPOSE: For Review and Comment

COMMENTS:

ATTACHMENTS:

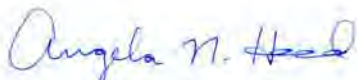
Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	--	--	January 10, 2018	Cover Letter – Illinois Addendum V Phase I Report Submittal to IHPA	--
1	--	--	January 10, 2018	Illinois Addendum V Phase I Archaeological Survey Report	--
1	--	--	January 10, 2018	Illinois Addendum V Archaeological Survey Short Report	--
1	--	--	January 10, 2018	Cover Letter – Addendum V Phase I Report Submittal to MO SHPO	--
1	--	--	January 10, 2018	Missouri Addendum V Phase I Archaeological Survey Report	--
1	--	--	January 10, 2018	Missouri Addendum V Section 106 Survey Memo	--

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected

DISTRIBUTION:

Name	Company	Transmittal (Y/N)	Attachments (Y/N)

Sincerely,



Angela N. Hood, M.A., RPA
 Project Archaeologist

GAI Consultants, Inc.

Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841
 T 724.873.3545
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	1/11/2018
PROJECT NO.	E160438.00

Sac and Fox Nation of Oklahoma
920883 S. Hwy 99, Building A
Stroud, Oklahoma 74079

Attention: Ms. Sandra Kaye Massey c/o Carol Butler

PROJECT TITLE:
Spire STL Pipeline Project

SUBJECT:
**Spire STL Pipeline Project Addendum V Phase I
 Archaeological Survey Reports, Illinois and Missouri**

WE ARE SENDING YOU: Electronic Files
VIA: Regular US Mail
PURPOSE: For Review and Comment

COMMENTS:

ATTACHMENTS:

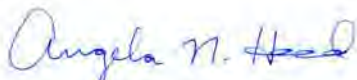
Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	--	--	January 10, 2018	Cover Letter – Illinois Addendum V Phase I Report Submittal to IHPA	--
1	--	--	January 10, 2018	Illinois Addendum V Phase I Archaeological Survey Report	--
1	--	--	January 10, 2018	Illinois Addendum V Archaeological Survey Short Report	--
1	--	--	January 10, 2018	Cover Letter – Addendum V Phase I Report Submittal to MO SHPO	--
1	--	--	January 10, 2018	Missouri Addendum V Phase I Archaeological Survey Report	--
1	--	--	January 10, 2018	Missouri Addendum V Section 106 Survey Memo	--

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected

DISTRIBUTION:

Name	Company	Transmittal (Y/N)	Attachments (Y/N)

Sincerely,



Angela N. Hood, M.A., RPA
 Project Archaeologist

GAI Consultants, Inc.

Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841
 T 724.873.3545
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	1/11/2018
PROJECT NO.	E160438.00

Sac and Fox Tribe of the Mississippi in Iowa
349 Meskwaki Road
Tama, Iowa 52339

Attention: Mr. Johnathan L. Buffalo
Historic Preservation Director

PROJECT TITLE:
Spire STL Pipeline Project

SUBJECT:
**Spire STL Pipeline Project Addendum V Phase I
 Archaeological Survey Reports, Illinois and Missouri**

WE ARE SENDING YOU: Electronic Files
VIA: Regular US Mail
PURPOSE: For Review and Comment

COMMENTS:

ATTACHMENTS:

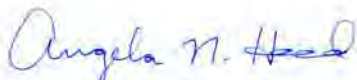
Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	--	--	January 10, 2018	Cover Letter – Illinois Addendum V Phase I Report Submittal to IHPA	--
1	--	--	January 10, 2018	Illinois Addendum V Phase I Archaeological Survey Report	--
1	--	--	January 10, 2018	Illinois Addendum V Archaeological Survey Short Report	--
1	--	--	January 10, 2018	Cover Letter – Addendum V Phase I Report Submittal to MO SHPO	--
1	--	--	January 10, 2018	Missouri Addendum V Phase I Archaeological Survey Report	--
1	--	--	January 10, 2018	Missouri Addendum V Section 106 Survey Memo	--

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected

DISTRIBUTION:

Name	Company	Transmittal (Y/N)	Attachments (Y/N)

Sincerely,



Angela N. Hood, M.A., RPA
 Project Archaeologist

GAI Consultants, Inc.

Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841
 T 724.873.3545
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	1/11/2018
PROJECT NO.	E160438.00

Sac and Fox Tribe of the Missouri in Kansas and Nebraska
 305 North Main
 Reserve, Kansas 66434
Attention: Mr. Edmore Green
 Chair

PROJECT TITLE:
Spire STL Pipeline Project

SUBJECT:
Spire STL Pipeline Project Addendum V Phase I Archaeological Survey Reports, Illinois and Missouri

WE ARE SENDING YOU: Electronic Files
VIA: Regular US Mail
PURPOSE: For Review and Comment

COMMENTS:

ATTACHMENTS:

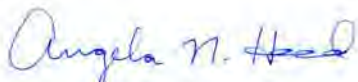
Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	--	--	January 10, 2018	Cover Letter – Illinois Addendum V Phase I Report Submittal to IHPA	--
1	--	--	January 10, 2018	Illinois Addendum V Phase I Archaeological Survey Report	--
1	--	--	January 10, 2018	Illinois Addendum V Archaeological Survey Short Report	--
1	--	--	January 10, 2018	Cover Letter – Addendum V Phase I Report Submittal to MO SHPO	--
1	--	--	January 10, 2018	Missouri Addendum V Phase I Archaeological Survey Report	--
1	--	--	January 10, 2018	Missouri Addendum V Section 106 Survey Memo	--

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected

DISTRIBUTION:

Name	Company	Transmittal (Y/N)	Attachments (Y/N)

Sincerely,



Angela N. Hood, M.A., RPA
 Project Archaeologist

GAI Consultants, Inc.

Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841
 T 724.873.3545
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	1/11/2018
PROJECT NO.	E160438.00

United Keetoowah Band of Cherokee Indians of Oklahoma
PO Box 746
Tahlequah, Oklahoma 74465
Attention: Mr. Eric Oosahwee-Voss
Tribal Historic Preservation Officer

PROJECT TITLE:
Spire STL Pipeline Project

SUBJECT:
Spire STL Pipeline Project Addendum V Phase I Archaeological Survey Reports, Illinois and Missouri

WE ARE SENDING YOU: Electronic Files
VIA: Regular US Mail
PURPOSE: For Review and Comment

COMMENTS:

ATTACHMENTS:

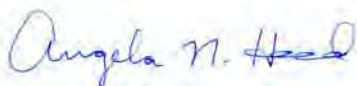
Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	--	--	January 10, 2018	Cover Letter – Illinois Addendum V Phase I Report Submittal to IHPA	--
1	--	--	January 10, 2018	Illinois Addendum V Phase I Archaeological Survey Report	--
1	--	--	January 10, 2018	Illinois Addendum V Archaeological Survey Short Report	--
1	--	--	January 10, 2018	Cover Letter – Addendum V Phase I Report Submittal to MO SHPO	--
1	--	--	January 10, 2018	Missouri Addendum V Phase I Archaeological Survey Report	--
1	--	--	January 10, 2018	Missouri Addendum V Section 106 Survey Memo	--

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected

DISTRIBUTION:

Name	Company	Transmittal (Y/N)	Attachments (Y/N)

Sincerely,



Angela N. Hood, M.A., RPA
 Project Archaeologist

GAI Consultants, Inc.

Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841
 T 724.873.3545
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	1/11/2018
PROJECT NO.	E160438.00

Winnebago Tribe of Nebraska
Tribal Historic Preservation Office
PO Box 687
Winnebago, Nebraska 68071
Attention: Mr. Henry Payer
Tribal Historic Preservation Officer

PROJECT TITLE:
Spire STL Pipeline Project

SUBJECT:
**Spire STL Pipeline Project Addendum V Phase I
 Archaeological Survey Reports, Illinois and Missouri**

WE ARE SENDING YOU: Electronic Files
VIA: Regular US Mail
PURPOSE: For Review and Comment

COMMENTS:

ATTACHMENTS:

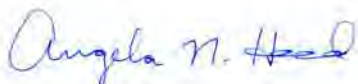
Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	--	--	January 10, 2018	Cover Letter – Illinois Addendum V Phase I Report Submittal to IHPA	--
1	--	--	January 10, 2018	Illinois Addendum V Phase I Archaeological Survey Report	--
1	--	--	January 10, 2018	Illinois Addendum V Archaeological Survey Short Report	--
1	--	--	January 10, 2018	Cover Letter – Addendum V Phase I Report Submittal to MO SHPO	--
1	--	--	January 10, 2018	Missouri Addendum V Phase I Archaeological Survey Report	--
1	--	--	January 10, 2018	Missouri Addendum V Section 106 Survey Memo	--

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected

DISTRIBUTION:

Name	Company	Transmittal (Y/N)	Attachments (Y/N)

Sincerely,



Angela N. Hood, M.A., RPA
 Project Archaeologist

GAI Consultants, Inc.

Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841
 T 724.873.3545
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	12/5/2017
PROJECT NO.	E160438.00

Ho-Chunk Nation
P.O. Box 667
Black River Falls, Wisconsin 54815

Attention: Mr. Bill Quackenbush
Tribal Historic Preservation Officer

PROJECT TITLE:
Spire STL Pipeline Project

SUBJECT:
**Spire STL Pipeline Project Addendum IV Phase I
 Archaeological Survey Reports, Illinois and Missouri**

WE ARE SENDING YOU: Electronic Files
VIA: Regular US Mail
PURPOSE: For Review and Comment

COMMENTS:

ATTACHMENTS:

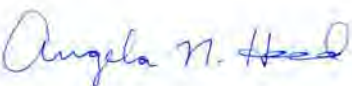
Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	--	--	December 5, 2017	Cover Letter – Illinois Addendum IV Phase I Report Submittal to IHPA	--
1	--	--	December 5, 2017	Illinois Addendum IV Phase I Archaeological Survey Report	--
1	--	--	December 5, 2017	Illinois Addendum IV Archaeological Survey Short Report	--
1	--	--	December 5, 2017	Cover Letter – Addendum IV Phase I Report Submittal to MO SHPO	--
1	--	--	December 5, 2017	Missouri Addendum IV Phase I Archaeological Survey Report	--
1	--	--	December 5, 2017	Missouri Addendum IV Section 106 Survey Memo	--

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected

DISTRIBUTION:

Name	Company	Transmittal (Y/N)	Attachments (Y/N)

Sincerely,


 Angela N. Hood, M.A., RPA
 Project Archaeologist

GAI Consultants, Inc.

Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841
 T 724.873.3545
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	12/5/2017
PROJECT NO.	E160438.00

Iowa Tribe of Kansas and Nebraska
3345 B. Thrasher Road
White Cloud, Kansas 66094

Attention: Mr. Lance M. Foster
Tribal Historic Preservation Officer

PROJECT TITLE:
Spire STL Pipeline Project

SUBJECT:
**Spire STL Pipeline Project Addendum IV Phase I
 Archaeological Survey Reports, Illinois and Missouri**

WE ARE SENDING YOU: Electronic Files
VIA: Regular US Mail
PURPOSE: For Review and Comment

COMMENTS:

ATTACHMENTS:

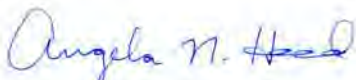
Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	--	--	December 5, 2017	Cover Letter – Illinois Addendum IV Phase I Report Submittal to IHPA	--
1	--	--	December 5, 2017	Illinois Addendum IV Phase I Archaeological Survey Report	--
1	--	--	December 5, 2017	Illinois Addendum IV Archaeological Survey Short Report	--
1	--	--	December 5, 2017	Cover Letter – Addendum IV Phase I Report Submittal to MO SHPO	--
1	--	--	December 5, 2017	Missouri Addendum IV Phase I Archaeological Survey Report	--
1	--	--	December 5, 2017	Missouri Addendum IV Section 106 Survey Memo	--

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected

DISTRIBUTION:

Name	Company	Transmittal (Y/N)	Attachments (Y/N)

Sincerely,



Angela N. Hood, M.A., RPA
 Project Archaeologist

GAI Consultants, Inc.

Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841
 T 724.873.3545
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	12/5/2017
PROJECT NO.	E160438.00

Iowa Tribe of Oklahoma
Cultural Preservation Department
 335588 E. 750 Rd
 Perkins, Oklahoma 74059

Attention: Tribal Historical Preservation Officer

PROJECT TITLE:
Spire STL Pipeline Project

SUBJECT:
**Spire STL Pipeline Project Addendum IV Phase I
 Archaeological Survey Reports, Illinois and Missouri**

WE ARE SENDING YOU: Electronic Files
VIA: Regular US Mail
PURPOSE: For Review and Comment

COMMENTS:

ATTACHMENTS:

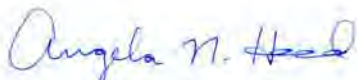
Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	--	--	December 5, 2017	Cover Letter – Illinois Addendum IV Phase I Report Submittal to IHPA	--
1	--	--	December 5, 2017	Illinois Addendum IV Phase I Archaeological Survey Report	--
1	--	--	December 5, 2017	Illinois Addendum IV Archaeological Survey Short Report	--
1	--	--	December 5, 2017	Cover Letter – Addendum IV Phase I Report Submittal to MO SHPO	--
1	--	--	December 5, 2017	Missouri Addendum IV Phase I Archaeological Survey Report	--
1	--	--	December 5, 2017	Missouri Addendum IV Section 106 Survey Memo	--

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected

DISTRIBUTION:

Name	Company	Transmittal (Y/N)	Attachments (Y/N)

Sincerely,



Angela N. Hood, M.A., RPA
 Project Archaeologist

GAI Consultants, Inc.

Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841
 T 724.873.3545
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	12/5/2017
PROJECT NO.	E160438.00

Kaw Indian Nation of Oklahoma
Drawer 50
Kaw City, Oklahoma 74641

Attention: Ms. Crystal Douglas
Museum Director

PROJECT TITLE:
Spire STL Pipeline Project

SUBJECT:
**Spire STL Pipeline Project Addendum IV Phase I
 Archaeological Survey Reports, Illinois and Missouri**

WE ARE SENDING YOU: Electronic Files
VIA: Regular US Mail
PURPOSE: For Review and Comment

COMMENTS:

ATTACHMENTS:

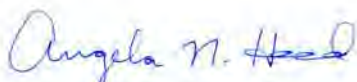
Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	--	--	December 5, 2017	Cover Letter – Illinois Addendum IV Phase I Report Submittal to IHPA	--
1	--	--	December 5, 2017	Illinois Addendum IV Phase I Archaeological Survey Report	--
1	--	--	December 5, 2017	Illinois Addendum IV Archaeological Survey Short Report	--
1	--	--	December 5, 2017	Cover Letter – Addendum IV Phase I Report Submittal to MO SHPO	--
1	--	--	December 5, 2017	Missouri Addendum IV Phase I Archaeological Survey Report	--
1	--	--	December 5, 2017	Missouri Addendum IV Section 106 Survey Memo	--

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected

DISTRIBUTION:

Name	Company	Transmittal (Y/N)	Attachments (Y/N)

Sincerely,



Angela N. Hood, M.A., RPA
 Project Archaeologist

GAI Consultants, Inc.

Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841
 T 724.873.3545
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	12/5/2017
PROJECT NO.	E160438.00

Kaw Indian Nation of Oklahoma
Drawer 50
Kaw City, Oklahoma 74641

Attention: Ms. Jacquyn Secondine Hensley
Chairman

PROJECT TITLE:
Spire STL Pipeline Project

SUBJECT:
**Spire STL Pipeline Project Addendum IV Phase I
 Archaeological Survey Reports, Illinois and Missouri**

WE ARE SENDING YOU: Electronic Files
VIA: Regular US Mail
PURPOSE: For Review and Comment

COMMENTS:

ATTACHMENTS:

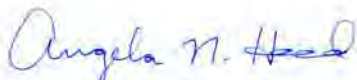
Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	--	--	December 5, 2017	Cover Letter – Illinois Addendum IV Phase I Report Submittal to IHPA	--
1	--	--	December 5, 2017	Illinois Addendum IV Phase I Archaeological Survey Report	--
1	--	--	December 5, 2017	Illinois Addendum IV Archaeological Survey Short Report	--
1	--	--	December 5, 2017	Cover Letter – Addendum IV Phase I Report Submittal to MO SHPO	--
1	--	--	December 5, 2017	Missouri Addendum IV Phase I Archaeological Survey Report	--
1	--	--	December 5, 2017	Missouri Addendum IV Section 106 Survey Memo	--

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected

DISTRIBUTION:

Name	Company	Transmittal (Y/N)	Attachments (Y/N)

Sincerely,



Angela N. Hood, M.A., RPA
 Project Archaeologist

GAI Consultants, Inc.

Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841
 T 724.873.3545
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	12/5/2017
PROJECT NO.	E160438.00

Miami Tribe of Oklahoma
3410 P Street NW
Miami, Oklahoma 74354

Attention: Ms. Diane Hunter
Acting Tribal Historic Preservation Officer

PROJECT TITLE:
Spire STL Pipeline Project

SUBJECT:
**Spire STL Pipeline Project Addendum IV Phase I
 Archaeological Survey Reports, Illinois and Missouri**

WE ARE SENDING YOU: Electronic Files
VIA: Regular US Mail
PURPOSE: For Review and Comment

COMMENTS:

ATTACHMENTS:

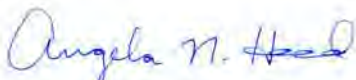
Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	--	--	December 5, 2017	Cover Letter – Illinois Addendum IV Phase I Report Submittal to IHPA	--
1	--	--	December 5, 2017	Illinois Addendum IV Phase I Archaeological Survey Report	--
1	--	--	December 5, 2017	Illinois Addendum IV Archaeological Survey Short Report	--
1	--	--	December 5, 2017	Cover Letter – Addendum IV Phase I Report Submittal to MO SHPO	--
1	--	--	December 5, 2017	Missouri Addendum IV Phase I Archaeological Survey Report	--
1	--	--	December 5, 2017	Missouri Addendum IV Section 106 Survey Memo	--

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected

DISTRIBUTION:

Name	Company	Transmittal (Y/N)	Attachments (Y/N)

Sincerely,



Angela N. Hood, M.A., RPA
 Project Archaeologist

GAI Consultants, Inc.

Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841
 T 724.873.3545
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	12/5/2017
PROJECT NO.	E160438.00

Osage Nation
P.O. Box 779 627 Grandview Avenue
Pawhuska, Oklahoma 74056

Attention: Ms. Andrea Hunter
Director/Tribal Historic Preservation Officer

PROJECT TITLE:
Spire STL Pipeline Project

SUBJECT:
**Spire STL Pipeline Project Addendum IV Phase I
 Archaeological Survey Reports, Illinois and Missouri**

WE ARE SENDING YOU: Electronic Files
VIA: Regular US Mail
PURPOSE: For Review and Comment

COMMENTS:

ATTACHMENTS:

Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	--	--	December 5, 2017	Cover Letter – Illinois Addendum IV Phase I Report Submittal to IHPA	--
1	--	--	December 5, 2017	Illinois Addendum IV Phase I Archaeological Survey Report	--
1	--	--	December 5, 2017	Illinois Addendum IV Archaeological Survey Short Report	--
1	--	--	December 5, 2017	Cover Letter – Addendum IV Phase I Report Submittal to MO SHPO	--
1	--	--	December 5, 2017	Missouri Addendum IV Phase I Archaeological Survey Report	--
1	--	--	December 5, 2017	Missouri Addendum IV Section 106 Survey Memo	--

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected

DISTRIBUTION:

Name	Company	Transmittal (Y/N)	Attachments (Y/N)

Sincerely,



Angela N. Hood, M.A., RPA
 Project Archaeologist

GAI Consultants, Inc.

Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841
 T 724.873.3545
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	12/5/2017
PROJECT NO.	E160438.00

Osage Nation
P.O. Box 779 627 Grandview Avenue
Pawhuska, Oklahoma 74056

Attention: Mr. John Fox
Archaeologist

PROJECT TITLE:
Spire STL Pipeline Project

SUBJECT:
**Spire STL Pipeline Project Addendum IV Phase I
 Archaeological Survey Reports, Illinois and Missouri**

WE ARE SENDING YOU: Electronic Files
VIA: Regular US Mail
PURPOSE: For Review and Comment

COMMENTS:

ATTACHMENTS:


Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	--	--	December 5, 2017	Cover Letter – Illinois Addendum IV Phase I Report Submittal to IHPA	--
1	--	--	December 5, 2017	Illinois Addendum IV Phase I Archaeological Survey Report	--
1	--	--	December 5, 2017	Illinois Addendum IV Archaeological Survey Short Report	--
1	--	--	December 5, 2017	Cover Letter – Addendum IV Phase I Report Submittal to MO SHPO	--
1	--	--	December 5, 2017	Missouri Addendum IV Phase I Archaeological Survey Report	--
1	--	--	December 5, 2017	Missouri Addendum IV Section 106 Survey Memo	--

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected

DISTRIBUTION:

Name	Company	Transmittal (Y/N)	Attachments (Y/N)

Sincerely,


 Angela N. Hood, M.A., RPA
 Project Archaeologist

GAI Consultants, Inc.

Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841
 T 724.873.3545
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	12/5/2017
PROJECT NO.	E160438.00

Peoria Tribe of Indians of Oklahoma
PO Box 1527 118 S. Eight Tribes Trails
Miami, Oklahoma 74355

Attention: Mr. Logan Pappenfort

PROJECT TITLE:
Spire STL Pipeline Project

SUBJECT:
**Spire STL Pipeline Project Addendum IV Phase I
 Archaeological Survey Reports, Illinois and Missouri**

WE ARE SENDING YOU: Electronic Files
VIA: Regular US Mail
PURPOSE: For Review and Comment

COMMENTS:

ATTACHMENTS:

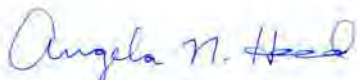
Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	--	--	December 5, 2017	Cover Letter – Illinois Addendum IV Phase I Report Submittal to IHPA	--
1	--	--	December 5, 2017	Illinois Addendum IV Phase I Archaeological Survey Report	--
1	--	--	December 5, 2017	Illinois Addendum IV Archaeological Survey Short Report	--
1	--	--	December 5, 2017	Cover Letter – Addendum IV Phase I Report Submittal to MO SHPO	--
1	--	--	December 5, 2017	Missouri Addendum IV Phase I Archaeological Survey Report	--
1	--	--	December 5, 2017	Missouri Addendum IV Section 106 Survey Memo	--

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected

DISTRIBUTION:

Name	Company	Transmittal (Y/N)	Attachments (Y/N)

Sincerely,



Angela N. Hood, M.A., RPA
 Project Archaeologist

GAI Consultants, Inc.

Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841
 T 724.873.3545
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	12/5/2017
PROJECT NO.	E160438.00

Ponca Tribe of Nebraska
P.O. Box 288
Niobrara, Nebraska 68760

Attention: Mr. Shannon Wright
Tribal Historic Preservation Officer

PROJECT TITLE:
Spire STL Pipeline Project

SUBJECT:
**Spire STL Pipeline Project Addendum IV Phase I
 Archaeological Survey Reports, Illinois and Missouri**

WE ARE SENDING YOU: Electronic Files
VIA: Regular US Mail
PURPOSE: For Review and Comment

COMMENTS:

ATTACHMENTS:

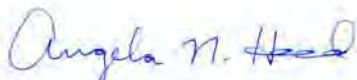
Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	--	--	December 5, 2017	Cover Letter – Illinois Addendum IV Phase I Report Submittal to IHPA	--
1	--	--	December 5, 2017	Illinois Addendum IV Phase I Archaeological Survey Report	--
1	--	--	December 5, 2017	Illinois Addendum IV Archaeological Survey Short Report	--
1	--	--	December 5, 2017	Cover Letter – Addendum IV Phase I Report Submittal to MO SHPO	--
1	--	--	December 5, 2017	Missouri Addendum IV Phase I Archaeological Survey Report	--
1	--	--	December 5, 2017	Missouri Addendum IV Section 106 Survey Memo	--

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected

DISTRIBUTION:

Name	Company	Transmittal (Y/N)	Attachments (Y/N)

Sincerely,



Angela N. Hood, M.A., RPA
 Project Archaeologist

GAI Consultants, Inc.

Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841
 T 724.873.3545
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	12/5/2017
PROJECT NO.	E160438.00

Quapaw Tribe of Oklahoma
P.O. Box 765
Quapaw, Oklahoma 74363

Attention: Mr. Everett Bandy
Tribal Historic Preservation Officer

PROJECT TITLE:
Spire STL Pipeline Project

SUBJECT:
**Spire STL Pipeline Project Addendum IV Phase I
 Archaeological Survey Reports, Illinois and Missouri**

WE ARE SENDING YOU: Electronic Files
VIA: Regular US Mail
PURPOSE: For Review and Comment

COMMENTS:

ATTACHMENTS:

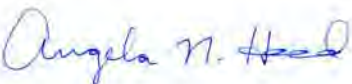
Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	--	--	December 5, 2017	Cover Letter – Illinois Addendum IV Phase I Report Submittal to IHPA	--
1	--	--	December 5, 2017	Illinois Addendum IV Phase I Archaeological Survey Report	--
1	--	--	December 5, 2017	Illinois Addendum IV Archaeological Survey Short Report	--
1	--	--	December 5, 2017	Cover Letter – Addendum IV Phase I Report Submittal to MO SHPO	--
1	--	--	December 5, 2017	Missouri Addendum IV Phase I Archaeological Survey Report	--
1	--	--	December 5, 2017	Missouri Addendum IV Section 106 Survey Memo	--

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected

DISTRIBUTION:

Name	Company	Transmittal (Y/N)	Attachments (Y/N)

Sincerely,


 Angela N. Hood, M.A., RPA
 Project Archaeologist

GAI Consultants, Inc.

Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841
 T 724.873.3545
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	12/5/2017
PROJECT NO.	E160438.00

Sac and Fox Nation of Oklahoma
920883 S. Hwy 99, Building A
Stroud, Oklahoma 74079

Attention: Ms. Sandra Kaye Massey c/o Carol Butler

PROJECT TITLE:
Spire STL Pipeline Project

SUBJECT:
**Spire STL Pipeline Project Addendum IV Phase I
 Archaeological Survey Reports, Illinois and Missouri**

WE ARE SENDING YOU: Electronic Files
VIA: Regular US Mail
PURPOSE: For Review and Comment

COMMENTS:

ATTACHMENTS:

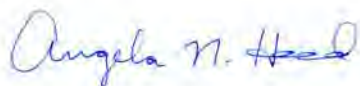
Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	--	--	December 5, 2017	Cover Letter – Illinois Addendum IV Phase I Report Submittal to IHPA	--
1	--	--	December 5, 2017	Illinois Addendum IV Phase I Archaeological Survey Report	--
1	--	--	December 5, 2017	Illinois Addendum IV Archaeological Survey Short Report	--
1	--	--	December 5, 2017	Cover Letter – Addendum IV Phase I Report Submittal to MO SHPO	--
1	--	--	December 5, 2017	Missouri Addendum IV Phase I Archaeological Survey Report	--
1	--	--	December 5, 2017	Missouri Addendum IV Section 106 Survey Memo	--

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected

DISTRIBUTION:

Name	Company	Transmittal (Y/N)	Attachments (Y/N)

Sincerely,


 Angela N. Hood, M.A., RPA
 Project Archaeologist

GAI Consultants, Inc.

Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841
 T 724.873.3545
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	12/5/2017
PROJECT NO.	E160438.00

Sac and Fox Tribe of the Mississippi in Iowa
349 Meskwaki Road
Tama, Iowa 52339

Attention: Mr. Johnathan L. Buffalo
Historic Preservation Director

PROJECT TITLE:
Spire STL Pipeline Project

SUBJECT:
**Spire STL Pipeline Project Addendum IV Phase I
 Archaeological Survey Reports, Illinois and Missouri**

WE ARE SENDING YOU: Electronic Files
VIA: Regular US Mail
PURPOSE: For Review and Comment

COMMENTS:

ATTACHMENTS:

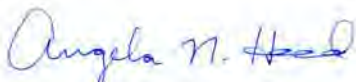
Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	--	--	December 5, 2017	Cover Letter – Illinois Addendum IV Phase I Report Submittal to IHPA	--
1	--	--	December 5, 2017	Illinois Addendum IV Phase I Archaeological Survey Report	--
1	--	--	December 5, 2017	Illinois Addendum IV Archaeological Survey Short Report	--
1	--	--	December 5, 2017	Cover Letter – Addendum IV Phase I Report Submittal to MO SHPO	--
1	--	--	December 5, 2017	Missouri Addendum IV Phase I Archaeological Survey Report	--
1	--	--	December 5, 2017	Missouri Addendum IV Section 106 Survey Memo	--

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected

DISTRIBUTION:

Name	Company	Transmittal (Y/N)	Attachments (Y/N)

Sincerely,



Angela N. Hood, M.A., RPA
 Project Archaeologist

GAI Consultants, Inc.

Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841
 T 724.873.3545
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	12/5/2017
PROJECT NO.	E160438.00

Sac and Fox Tribe of the Missouri in Kansas and Nebraska
305 North Main
Reserve, Kansas 66434

Attention: Mr. Edmore Green
Chair

PROJECT TITLE:
Spire STL Pipeline Project

SUBJECT:
Spire STL Pipeline Project Addendum IV Phase I Archaeological Survey Reports, Illinois and Missouri

WE ARE SENDING YOU: Electronic Files
VIA: Regular US Mail
PURPOSE: For Review and Comment

COMMENTS:

ATTACHMENTS:

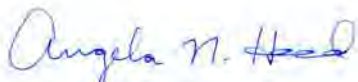
Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	--	--	December 5, 2017	Cover Letter – Illinois Addendum IV Phase I Report Submittal to IHPA	--
1	--	--	December 5, 2017	Illinois Addendum IV Phase I Archaeological Survey Report	--
1	--	--	December 5, 2017	Illinois Addendum IV Archaeological Survey Short Report	--
1	--	--	December 5, 2017	Cover Letter – Addendum IV Phase I Report Submittal to MO SHPO	--
1	--	--	December 5, 2017	Missouri Addendum IV Phase I Archaeological Survey Report	--
1	--	--	December 5, 2017	Missouri Addendum IV Section 106 Survey Memo	--

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected

DISTRIBUTION:

Name	Company	Transmittal (Y/N)	Attachments (Y/N)

Sincerely,



Angela N. Hood, M.A., RPA
 Project Archaeologist

GAI Consultants, Inc.

Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841
 T 724.873.3545
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	12/5/2017
PROJECT NO.	E160438.00

United Keetoowah Band of Cherokee Indians of Oklahoma
PO Box 746
Tahlequah, Oklahoma 74465
Attention: Mr. Eric Oosahwee-Voss
Tribal Historic Preservation Officer

PROJECT TITLE:
Spire STL Pipeline Project

SUBJECT:
Spire STL Pipeline Project Addendum IV Phase I Archaeological Survey Reports, Illinois and Missouri

WE ARE SENDING YOU: Electronic Files
VIA: Regular US Mail
PURPOSE: For Review and Comment

COMMENTS:

ATTACHMENTS:

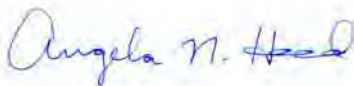
Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	--	--	December 5, 2017	Cover Letter – Illinois Addendum IV Phase I Report Submittal to IHPA	--
1	--	--	December 5, 2017	Illinois Addendum IV Phase I Archaeological Survey Report	--
1	--	--	December 5, 2017	Illinois Addendum IV Archaeological Survey Short Report	--
1	--	--	December 5, 2017	Cover Letter – Addendum IV Phase I Report Submittal to MO SHPO	--
1	--	--	December 5, 2017	Missouri Addendum IV Phase I Archaeological Survey Report	--
1	--	--	December 5, 2017	Missouri Addendum IV Section 106 Survey Memo	--

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected

DISTRIBUTION:

Name	Company	Transmittal (Y/N)	Attachments (Y/N)

Sincerely,



Angela N. Hood, M.A., RPA
 Project Archaeologist

GAI Consultants, Inc.

Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841
 T 724.873.3545
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	12/5/2017
PROJECT NO.	E160438.00

Winnebago Tribe of Nebraska
Tribal Historic Preservation Office
PO Box 687
Winnebago, Nebraska 68071
Attention: Mr. Henry Payer
Tribal Historic Preservation Officer

PROJECT TITLE:
Spire STL Pipeline Project

SUBJECT:
**Spire STL Pipeline Project Addendum IV Phase I
 Archaeological Survey Reports, Illinois and Missouri**

WE ARE SENDING YOU: Electronic Files
VIA: Regular US Mail
PURPOSE: For Review and Comment

COMMENTS:

ATTACHMENTS:

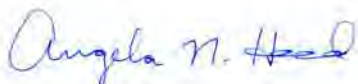
Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	--	--	December 5, 2017	Cover Letter – Illinois Addendum IV Phase I Report Submittal to IHPA	--
1	--	--	December 5, 2017	Illinois Addendum IV Phase I Archaeological Survey Report	--
1	--	--	December 5, 2017	Illinois Addendum IV Archaeological Survey Short Report	--
1	--	--	December 5, 2017	Cover Letter – Addendum IV Phase I Report Submittal to MO SHPO	--
1	--	--	December 5, 2017	Missouri Addendum IV Phase I Archaeological Survey Report	--
1	--	--	December 5, 2017	Missouri Addendum IV Section 106 Survey Memo	--

*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected

DISTRIBUTION:

Name	Company	Transmittal (Y/N)	Attachments (Y/N)

Sincerely,



Angela N. Hood, M.A., RPA
 Project Archaeologist