



Appendix 1-C
Agency Correspondence

**Spire STL Pipeline
Agency Correspondence Tracking List
Appendix 1-C**

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
FEDERAL													
United States Army Corps of Engineers ("USACE")													
USACE	St. Louis District	Chuck Frerker, PM	1222 Spruce Street	St. Louis	MO	63103-2833	314-331-8583	Charles.F.Frerker@usace.army.mil	Section 401/404, Section 10	6/3/2016	6/3/2016	Mr. Frerker	Telephone
										6/8/2016	6/20/2016	Mr. Frerker	Email
										6/24/2016	6/24/2016	Mr. Frerker	Email
										8/3/2016	8/3/2016	Mr. Frerker	Meeting
										6/27/2016	6/27/2016		Meeting
										6/30/2016	7/7/2016	Mr. Rodriguez Robles	Email
											7/13/2016		Email
										7/14/2016	7/14/2016	Mr. Rodriguez Robles	Telephone
										7/22/2016	7/28/2016	Mr. Rodriguez Robles	Telephone and Email
										8/2/2016			Email
										8/3/2016	8/3/2016	Mr. Rodriguez Robles	Meeting
										8/4/2016	8/4/2016	Mr. Rodriguez Robles	Email
										8/5/2016			Open House Invitation Letter
										8/19/2016			Letter
										9/1/2016			Email
										9/15/2016			Email
										-	9/21/2016	Mr. Rodriguez Robles	Email
										11/10/2016			Email
										11/29/2016			Email
USACE	St. Louis District	Edward Rodriguez Robles	1222 Spruce Street	St. Louis	MO	63103-2833	314-331-8568	edward.c.rodriguezrobles@usace.army.mil	Section 408	1/27/2017			Section 408 Application
										3/8/2017			Supplemental Information
										3/28/2017			Supplemental Information
										3/31/2017	4/5/2017	Mr. Rodriguez Robles	Email
										-	4/12/2017	Mr. Rodriguez Robles	Email
										4/13/2017	4/13/2017	Mr. Rodriguez Robles	Meeting
										5/16/2017		Mr. Rodriguez Robles	Voicemail and Email
										7/17/2017			Email with July FERC Supplement
										-	8/2/2017	Mr. Rodriguez Robles	Copy of MDNR Response Letter to Section 408 Application
										8/14/2017			Email with Notice of Schedule
										8/17/2017	8/17/2017	Mr. Rodriguez Robles	Meeting
										-	9/8/2017	Mr. Rodriguez Robles	Email
										9/15/2017			Addendum to Section 408 Application
										9/18/2017			Email and CD with Public FERC Filings

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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										
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
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	6/27/2016	6/27/2016		Meeting
										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										

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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
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
USACE	St. Louis District	Jonathan Rankins	1222 Spruce Street	St. Louis	MO	63103-2833		Jonathan.E.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
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
										8/17/2017	8/17/2017	Mr. Hunn	Meeting
USACE	St. Louis District - Missouri Section Chief	Robert S. Gramke	1222 Spruce Street	St. Louis	MO	63103-2833			NWP for Geotech Bores	-	10/7/2016	Mr. Gramke	Letter
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			Voicecall
										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	Jaclyn.C.Wittenborn@usace.army.mil		8/14/2017			Email with Notice of Schedule
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

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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	2/17/017	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 InformationLetter
										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										

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USFWS	Rock Island Field Office	Kraig McPeck	1511 47th Avenue	Moline	IL	61265	309-757-5800 ext. 202		Federal-listed species	6/8/2016	6/8/2016	Mr. McPeck	Telephone
										6/8/2016	6/8/2016	Mr. McPeck	Email
										7/8/2016	7/8/2016	Mr. McPeck	Meeting
										7/29/2016			Notice of Prefiling Letter
										8/5/2016			Open House Invitation Letter
										8/12/2016	12/8/2016	Mr. McPeck	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. McPeck	Meeting
										7/24/2017			Email
8/14/2017			Email with Notice of Schedule										
USFWS	Rock Island Field Office	Chase Allred	1511 47th Avenue	Moline	IL	61265	309-757-5800, ext. 221	chase_allred@fws.gov	Federal-listed species	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
										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			Voicemail 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
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
USEPA	Region 5 Environmental Impact Statements Contact	Virginia Laszewski	77 W. Jackson Blvd	Chicago	IL	60604	312-886-7501	Laszewski.virginia@epa.gov		8/5/2016			Open House Invitation Letter
										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			Voicemail 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

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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
USEPA	Region 7, Regional Administrator	Mark J. Hague	11201 Renner Blvd	Lenexa	KS	66219	913-551-7003			7/29/2016			Notice of Prefiling Letter
										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
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- 305	Connie.Gibson@mo.usda.gov		7/29/2016			Notice of Prefiling Letter
										8/5/2016			Open House Invitation 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

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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
										8/5/2016			Open House Invitation Letter
										3/28/2017			Supplemental Information Letter
		Amanda Hesse	656 North Main St	Winchester	IL	62694	217-742-9561, ext. 2	Amanda.Hesse@il.usda.gov		8/14/2017		Delivery Failed	Email with Notice of Schedule
		Mitch Zipprich					618-494-3097	mitchell.zipprich@il.usda.gov		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	CRP	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	CRP	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

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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
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										
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			Voicemail 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		Voicemail
										8/9/2016	8/10/2016	Mr. Garver	Telephone and Email
										9/9/2016	9/9/2016	Mr. Garver	Email
										12/2/2016			Voicemail and Email

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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
IDNR		Nathan Grider					217-524-0501			3/23/2017	3/24/2017	Mr. Bedient	Email
IDNR	Chief of Staff	Brent Krebs	One Natural Resources Way	Springfield	IL	62702	217-785-7953	brent.krebs@Illinois.gov		10/7/2016	10/7/2016	Mr. Grider	Telephone
										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)
IDNR	Heritage Database Program Manager	Tara Kieninger	One Natural Resources Way	Springfield	IL	62702	217-782-2685	tara.kieninger@Illinois.gov		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
IDNR	Incidental Take Authorization Coordinator	Jenny Skufca	One Natural Resources Way	Springfield	IL	62702	217-557-8243	Jenny.Skufca@Illinois.gov		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
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

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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										
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

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Illinois Historic Preservation Agency ("IHPA")													
IHPA	Division Manager & Deputy SHPO	Rachel Leibowitz	One Natural Resources Way	Springfield	IL	62702	217-782-7534	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									
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
IHPA		Tina Blankenship	One Natural Resources Way	Springfield	IL	62702				2/10/2017			Archaeological Survey Short Report
										-	8/11/2017	Ms. Blankenship	Email
										8/15/2017			Email
										-	10/4/2017	Ms. Blankenship	Email
IHPA	Director	Heidi Brown-McCreery	One Natural Resources Way	Springfield	IL	62702				3/28/2017			Supplemental Information Letter
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										
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
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										

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IEPA	Industrial Engineer on call	Mark Liska					217-782-0610		Hydrostatic Test Withdrawals and Discharge	7/11/2016	7/11/2016	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
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
IEPA		Scott Twait	1021 North Grand Avenue East	Springfield	IL	62794	217-558-2012	Scott.Twait@illinois.gov		9/28/2016	9/28/2016	Mr. Twait	Telephone
										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			Voicemail
10/18/2016	10/18/2016	Mr. Cook	Telephone										
IEPA	Public Water Supply	David Cook					217-782-0078						
IEPA	Bow Permit Section	Darren Gove	1021 North Grand Avenue East	Springfield	IL	62794	217-524-3033	darren.gove@illinois.gov		12/13/2016	12/13/2016	Mr. Gove	Meeting
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 Zillur 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
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

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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										
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
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
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
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

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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	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
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
Missouri State Historic Preservation Office (MO SHPO)	Compliance Coordinator	Judith Deel	PO Box 176	Jefferson City	MO	65102				7/8/2016	7/8/2016	Ms. Deel	Meeting
										7/29/2016			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										
9/29/2017			Phase I Addendum III Report										
Missouri State Historic Preservation Office (MO SHPO)	Compliance Coordinator	Judith Deel	1101 Riverside Drive	Jefferson City	MO	65101	573-751-7862	judith.deel@dnr.mo.gov	Section 106				

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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
			1101 Riverside Drive	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			
MO SHPO	Director and Deputy SHPO	Toni M. Prawl	1101 Riverside Drive	Jefferson City	MO	65101			Section 106	-	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
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
										-	9/18/2017	Dr. Prawl	Letter
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										
MDOC	Policy Coordinator	Matt Vitello	2901 West Truman Blvd	Jefferson City	MO	65109	573-522-4115, ext. 3191	matt.vitello@mdc.mo.gov	RTE	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
										8/14/2017			Email with Notice of Schedule
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										
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					573-751-4115, ext. 3371		Noxious Weeds	9/30/2016	9/30/2016	Mr. Muenks	Telephone

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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.nacdn.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.nacdn.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
Greene County	Floodplain Management	Stan Crusius	519 N. Main St	Carrollton	IL	62016	217-942-5443		Floodplain Permit	7/29/2016			Notice of Prefiling Letter
										8/5/2016			Open House Invitation Letter
										3/28/2017			Supplemental Information Letter
Greene County	Clerk	Debbie Banghart					217-942-5443			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
Jersey County, Illinois													
Jersey County SWCD	Resource Conservationist	Jeff Blackorby	604 E. Franklin	Jerseyville	IL	62052	618-498-3712	jeff.blackorby@il.nacdn.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

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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	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										
Jersey County	Code Administration	Derek Russell	200 N. Lafayette, Suite 6	Jerseyville	IL	62052	618-498-5571, ext. 145	codeadmin1@jerseycounty-il.us		8/16/2017	8/16/2017	Mr. Russell	Meeting
										-	8/23/2017	Mr. Russell	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	caphilli@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
										8/14/2017			Email with Notice of Schedule
St. Charles County SWCD		Charles Perkins									9/30/2016	Mr. Perkins	Telephone
St. Charles County	Community Development Department	Rich Gnecco	201 N Second St	St. Charles	MO	63301	636-949-1814 x7160	development@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		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
										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	Development Review Department	John Baron	201 N Second St	St. Charles	MO	63301	636-949-1817	jbaron@sccmo.org	Land Disturbance Permits, Natural Watercourse Permits	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
										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		Ms. Marr	Meeting										
9/7/2017	9/7/2017	Ms. Marr	Telephone										
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				
St. Charles County		Mick Zerr	201 N Second St	St. Charles	MO	63301	636-234-1192	mzerr@sccmo.org	Building Permits (if needed)	8/16/2017		Mr. Zerr	Meeting

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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
St. Charles County	Community Development Department	Robert Myers	201 N Second St, Suite 420	St. Charles	MO	63301	636-949-7335, ext. 7225	rmyers@sccmo.org	Planned Developments	9/13/2016 9/28/2016 12/8/2016	9/26/2016 9/28/2016 12/8/2016	Mr. Myers Mr. Myers Mr. Meyers	Email Email Email
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	7/29/2016 8/5/2016 10/6/2016	10/12/2016	Mr. Farley	Notice of Prefiling Letter Open House Invitation Letter Voicemail and Telephone
City of West Alton	Floodplain Administrator	Janet Neustadt	P.O. Box 42, West Alton City Hall	West Alton	MO	63386	636-899-0233		Floodplain Permit	3/28/2017 7/29/2016 8/5/2016 3/28/2017			Supplemental Information Letter Notice of Prefiling Letter Open House Invitation Letter Supplemental Information Letter
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
											2/15/2017	Mr. Wibbenmeyer	Email and Letter
											2/20/2017	Mr. Wibbenmeyer	Telephone
	2/23/2017	Mr. Wibbenmeyer	Email and Letter										
	-	Mr. Wibbenmeyer	Email										
	4/14/2017	Mr. Wibbenmeyer	Email										
	-	Mr. Wibbenmeyer	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 2/3/2017	12/12/2016 2/3/2017	Mr. Warner Mr. Warner	Telephone 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

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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	
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		
St. Louis County	Department of Planning	Gail Choate				314-615-2520				10/6/2016	10/6/2016	Ms. Choate	Telephone	
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	
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	
										7/29/2016			Notice of Prefiling Letter	
										8/16/2016			Open House Invitation Letter	
	Tribal Historic Preservation Officer	Ms. Erin Thompson	2025 South Gordon Cooper Drive	Shawnee	OK	74801	405-275-4030, ext 6340	ethompson@astribe.com		3/24/2017			Voicemail	
	Governor	Ms. Edwina Bulter- Wolfe	2025 South Gordon Cooper Drive	Shawnee	OK	74801				3/31/2017			Supplemental Information Letter	
										8/14/2017		Delivery Failed	Email with Notice of Schedule	
										8/14/2017			Email with Notice of Schedule	
Cherokee Nation	Cultural Resources	Dr. Richard Allen	PO Box 948	Tahlequah	OK	74465	918-456-6485		Native American Coordination	10/19/2016			Voicemail	
										10/27/2016			Letter	
	3/28/2017			Attempted Telephone Call, No Response										
	3/31/2017			Supplemental Information Letter										
	3/31/2017			Supplemental Information Letter										
	Administrative Liaison	Pat Gwin	PO Box 948	Tahlequah	OK	74465	918-453-5000			-	4/4/2017			Letter
	Special Projects Officer	Elizabeth Toombs	PO Box 948	Tahlequah	OK	74465	918-453-5389	elizabeth-toombs@cherokee.org			4/12/2017			Email
									-	5/18/2017	Ms. Toombs		Email with Letter	
									8/18/2017	8/31/2017	Ms. Toombs		Email with Notice of Schedule	

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Agency	Region/ Division	Contact Name	Address	City	State	Zip	Contact Phone	Contact Email	Permit/Clearance/ Approval	Date Sent	Response Type/ Date	Responding Contact	Correspondence
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	6/30/2016			Telephone Message
										7/29/2016			Notice of Prefiling Letter
										8/16/2016			Open House Invitation Letter
										3/24/2017	3/24/2017	Reception	Telephone Message and Voicemail
										3/31/2017			Supplemental Information Letter
	8/14/2017	8/14/2017	Ms. Alligood	Email with Notice of Schedule; Email									
	President	Mr. Kerry Holton	PO Box 825	Anadarko	OK	73005			Native American Coordination	3/31/2017			Supplemental Information Letter
	Section 106 Manager	Mr. John Ross	PO Box 825	Anadarko	OK	73005				3/31/2017			Supplemental Information Letter
	Section 106	Kim Penrod	PO Box 825	Anadarko	OK	73005	kpenrod@delawarenation.com			8/14/2017			Email with Notice of Schedule
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	6/30/2016			Attempted Telephone Call, No Response
										7/29/2016			Notice of Prefiling Letter
										8/16/2016			Open House Invitation Letter
										3/24/2017	3/24/2017		Telephone
										3/31/2017			Supplemental Information Letter
	8/14/2017			Email with Notice of Schedule									
	Chief	Chet Brooks	5100 Tuxedo Boulevard	Bartlesville	OK	74006	cbrooks@delawaretribe.org		3/31/2017			Supplemental Information Letter	
									8/14/2017			Email with Notice of Schedule	
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	6/30/2016			Voicemail
										7/29/2016			Notice of Prefiling Letter
										8/16/2016			Open House Invitation Letter
	3/24/2017			Voicemail									
									3/31/2017			Supplemental Information Letter	
									8/14/2017			Email with Notice of Schedule	
	Chief	Glenna J Wallace	12755 S 705 Rd	Wyandotte	OK	74370			3/31/2017			Supplemental Information Letter	
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										
	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	Telephone
										10/27/2016			Letter
										3/28/2017			Voicemail
	3/31/2017			Supplemental Information Letter									
										8/14/2017			Email with Notice of Schedule
		Cultural Specialist	Mon-ee Zapata	311 State Street	Grand Rapids	MI	49503			3/31/2017			Supplemental Information Letter
									8/14/2017			Email with Notice of Schedule	
	Chairman	Jamie Stuck	2221 1 1/2 Mile Road	Fulton	MI	49052		jistuck@nhbpi.com	3/31/2017			Supplemental Information Letter	
									8/14/2017			Email with Notice of Schedule	

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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																		
	Chairman	Mr. Timothy Rhodd	3345 B. Thrasher Road	White Cloud	KS	66094	785-595-3347		3/31/2017			Supplemental Information Letter										
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																		
	Chairman/ THPO	Mr. Bobby Walkup	335588 E. 750 Road	Perkins	OK	74059		Bwalkup@iowanation.org	9/29/2017			CD of Phase I Addendum III Reports										
	Acting Tribal Administrator	Renee Hagler					405-547-2402	rhagler@iowanation.org	8/14/2017			Email with Notice of Schedule										
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									
											Chairman	Ms. Jacqlyn Secondine Hensley	Drawer 50	Kaw City	OK	74641		execsec@kawnation.com	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										

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Kickapoo Tribe in Kansas	NAGPRA Director	Ms. Nellie Cadue	1107 Gold Finch Road P.O. Box 271	Horton	KS	64439	785-486-2601, ext.-5		Native American Coordination	6/30/2016			Voice mail	
										7/29/2016			Notice of Prefiling Letter	
	8/16/2016			Open House Invitation Letter										
	Legal	Eric Sheets				785-748-4281				3/27/2017	3/27/2017	Mr. Sheets	Telephone	
	Section 106	Ms. Bernadette Thomas	1107 Gold Finch Road	Horton	KS	64439-9537	785-486-3404				3/31/2017			Supplemental Information Letter
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			Voice mail	
										7/29/2016	Delivery Refused		Notice of Prefiling Letter	
										8/16/2016			Open House Invitation Letter	
										3/27/2017			Voice mail	
	3/31/2017			Supplemental Information Letter										
	Chairman	Mr. Estavio Elizondo	2122 Rosita Valley Drive	Eagle Pass	TX	78852					8/14/2017		Delivery Failed	Email with Notice of Schedule
Paralegal, Legal Department	Mr. Hector H. Gonzalez	PO Box 2505	Eagle Pass	TX	78852	830-421-5899	hector.gonzalez@kttribe.org		-	5/10/2017	Mr. Gonzalez	Email		
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	
	Chairman	Mr. Gilbert Salazar	PO Box 70	McCloud	OK	74851					8/14/2017			Email with Notice of Schedule
	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, Voice mail	
										10/27/2016	Unable to Forward		Letter	
										3/28/2017			Voice mail	
	3/31/2017	Returned		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	
				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	Voice mail 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											
Chief	Douglas Lankford	PO Box 1326	Miami	OK	74355			3/31/2017			Supplemental Information Letter			

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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									
	-	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										
3/31/2017			Supplemental Information Letter										
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									
3/31/2017			Supplemental Information Letter										
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@poncatrib-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									
	3/31/2017			Supplemental Information Letter									
	3/31/2017			Supplemental Information Letter									
THPO	Randy Teboe	P.O. Box 288	Niobrara	NE	68760								
Chairman	Larry Wright, Jr.	P.O. Box 288	Niobrara	NE	68760								

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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
										3/28/2017			Voicemail
										3/31/2017			Supplemental Information Letter
	8/14/2017			Email with Notice of Schedule									
Chairman	Mr. Earl S. Howe III	20 White Eagle Drive	Ponca City	OK	74601				3/31/2017			Supplemental Information Letter	
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									
THPO	Dr. Kelli Mosteller	1601 S. Gordon Cooper Drive	Shawnee	OK	74801				3/31/2017			Supplemental Information Letter	
Chairman	Mr. John Barrett, Jr.	1601 S. Gordon Cooper Drive	Shawnee	OK	74801		rbarrett@potawatomi.org		3/31/2017			Supplemental Information Letter	
									8/14/2017			Email with Notice of Schedule	
Forest County Potawatomi	Tribal Historic Preservation Officer	Ms. Melissa Cook	Cultural Center, Library & Museum PO Box 340 8130 Mishkoswen 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
							906-466-0306					Notice of Prefiling Letter	
							906-466-9933					Open House Invitation Letter	
												Voicemail	
												Supplemental Information Letter	
				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	
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									
Chairperson	Ms. Liana Onnen	16281 Q Road	Mayetta	KS	66509		liana@pbpnation.org		3/31/2017			Supplemental Information Letter	
									8/14/2017			Email with Notice of Schedule	

**Spire STL Pipeline
Agency Correspondence Tracking List
Appendix 1-C**

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
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										
Sac and Fox Tribe of the Missouri in Kansas and Nebraska	Chair	Mr. Edmore Green	305 North Main	Reserve	KS	66434	785-742-7471	egreen@sacandfoxcasino.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	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
										Sac and Fox Tribe of the Mississippi in Iowa	Historic Preservation Director	Mr. Johnathan L. Buffalo	349 Meskwaki Road
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										
3/31/2017			Supplemental Information Letter										
Chief	Troy Wanatee	349 Meskwaki Road	Tama	IA	52339								
Vice Chairman	Alvin Wild Cat	349 Meskwaki Road	Tama	IA	52339	(641) 484-4678							

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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									
	Chief	Elizabeth Kay Rhoads	920883 S. Hwy 99, Building A	Stroud	OK	74079		chief@sacandfoxnation-nsn.gov		3/31/2017			Supplemental Information Letter
Repatiation/ NAGPRA Committee, Chairperson	Mr. Elvis E. Ellis	920883 S. Hwy 99, Building A	Stroud	OK	74079			8/14/2017			Email with Notice of Schedule		
								3/31/2017			Supplemental Information Letter		
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	
	Chief	Ron Sparkman	PO Box 189	Miami	OK	74355		3/28/2017				Voicemail	
								3/31/2017				Supplemental Information Letter	
								3/31/2017				Supplemental Information Letter	
		Tonya Tipton					tonya@shawnee-tribe.com	-	5/8/2017			Email	
8/18/2017	8/18/2017	Ms. Tipton	Email with Notice of Schedule; Email										
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									
	Chief	Joe Bunch	PO Box 746	Tahlequah	OK	74465			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	
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									
THPO		Mr. Henry Payer	PO Box 687	Winnebago	NE	68071			3/31/2017				Supplemental Information Letter
									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		
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

**Spire STL Pipeline
Agency Correspondence Tracking List
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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	mflasphler@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	mflasphler@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
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	strauman@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@jredc.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 Thureau	14 N Peoria St Suite 4F	Chicago	IL	60607	312-754-0402	bthureau@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@edccsc.com		10/6/2016			Letter

**Spire STL Pipeline
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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 Economic Development Partnership	Staff Contact	Kelly Applegate	7733 Forsyth Blvd Suites 2200 & 2300	St. Louis	MO	63105	314.615.7688	info@stipartnership.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 July Supplement on July 14, 2017.



United States Army Corps of Engineers

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:	9/18/2017
PROJECT NO.	E160438.00

U.S. Army Corps of Engineers
St. Louis District Office
1222 Spruce Street
St. Louis, Missouri 63103
Attention: Mr. Ed Rodriguez Robles
ICW Program Manager

PROJECT TITLE:
Spire STL Pipeline Project

SUBJECT:
Project FERC Filings (PUBLIC)

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

COMMENTS:
1 CD containing publically available FERC filings for the Spire STL Pipeline Project

ATTACHMENTS:

Qty	Document No.	Rev	Document Date	Document Description/Title	Status*
1	-	0	1/26/17	2017-01-26 Environmental Report to FERC_Public	-
1	-	0	4/21/17	2017-04-21 Amendment eFile_Public	-
1	-	0	6/1/17	2017-06-01 Electronic Data Request Response to FERC	-
1	-	0	7/14/17	2017-07-14 FERC Supplement	-
1	-	0	8/4/17	2017-08-04 FERC Supplement	-

*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
 Assistant Environmental Manager

Ali Trunzo

From: Ferry, Lori M <lmferry@burnsmcd.com>
Sent: Monday, September 18, 2017 10:32 AM
To: Douglas Sipe; Ali Trunzo; Rodriguez Robles, Edward C CIV USARMY CEMVS (US)
Cc: Robin Weissert
Subject: RE: Request of Documents - Environmental Review

Hi Ed,

We are shipping out a CD to you today that contains our FERC filing information. It should be in your office tomorrow. The final set of Resource Reports was part of our April 2017 filing. Other information was filed as part of data requests to FERC and supplemental information.

Please let us know you are in receipt of this information.

Thanks,
Lori

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

From: "Rodriguez Robles, Edward C CIV USARMY CEMVS (US)" <Edward.C.RodriguezRobles@usace.army.mil>
Date: 9/8/17 4:18 PM (GMT-05:00)
To: Lori Ferry <L.Ferry@gaiconsultants.com>
Cc: Douglas Sipe <dsipe@mdmcorp.com>, "Allen, Teresa C (Teri) CIV USARMY CEMVS (US)" <Teri.C.Allen@usace.army.mil>
Subject: Request of Documents - Environmental Review

Lori,

Can you send us and Teri an updated Environmental Assessment (EA) document? We want to make sure we have the latest and greatest. Also, if you can send us the final environmental resource reports.

Thanks,

Ed Rodriguez
ICW Program Manager
US Army Corps of Engineers
1222 Spruce Street
Saint Louis, Missouri 63103
Office: 314-331-8568
Mobile: 314-379-9065

Ali Trunzo

From: Ferry, Lori M <lmferry@burnsmcd.com>
Sent: Friday, September 15, 2017 2:57 PM
To: Rodriguez Robles, Edward C CIV USARMY CEMVS (US)
Cc: Douglas Sipe; Ali Trunzo
Subject: Spire STL Pipeline-Revised Section 408 Materials
Attachments: 2017-09-15_Section 408 Addendum_Spire STL.PDF

Hi Ed

I have attached some updated information as part of a supplemental package being submitted as part of our Project's Section 408 package.

This package consists of the updated plan and profile drawings that we have discussed with you, and updated agency correspondence from the state SHPOs.

Hardcopies of this information should also be arriving in your office next week.

Should you have any questions, please let me know.

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

September 15, 2017
Project E160438.00.005.004

Mr. Ed Rodriguez Robles
ICW Program Manager
US Army Corps of Engineers
St. Louis District Office
1222 Spruce Street
St. Louis, Missouri 63103

**Spire STL Pipeline LLC
Spire STL Pipeline Project
Addendum to Section 408 Permit Application for
Mississippi River, Missouri River, USACE Property
and Consolidated North County Levee Crossings
Permission Number OD-R 16-020**

Dear Mr. Rodriguez:

GAI Consultants, Inc. (GAI), on behalf of Spire STL Pipeline LLC (Spire), is submitting this addendum as a supplement to the Section 408 Permit Application submitted to your office on January 27, 2017, and the additional information submitted on March 8, 2017.

Correspondence between Spire and the Consolidated North County Levee District (CNCLD) has been ongoing in reference to the letter of endorsement required of the levee district. Following the independent review conducted by the CNCLD, Spire has modified the length and design of the Horizontal Directional Drill (HDD) under the Missouri River and associated levee. Additionally, since Spire's January 2017 submittal, minor modifications were made to the Project's crossing of the Mississippi River (as provided to the Federal Energy Regulatory Commission in July 2017). The revised HDD profiles have been included as Attachment A.

Correspondence with the Illinois Historic Preservation Agency (IHPA) and Missouri State Historic Preservation office (MO SHPO) have been ongoing. Additional correspondence and approvals for each agency is included as Attachment B. Concurrence from each SHPO is still outstanding for portions of the northern workspaces on the Mississippi River drill and portions of the northern workspaces on the Missouri River drill.

Spire has not yet selected a contractor to perform the HDD crossings. However, once the selection is made, a full description of drill crew experience, HDD construction methods, and HDD contingency plans will be submitted to your office prior to construction.

If you have any questions regarding this submission, please contact me at 614-270-9357 or via email at j.fuller@gaiconsultants.com.

Sincerely,
GAI Consultants, Inc.

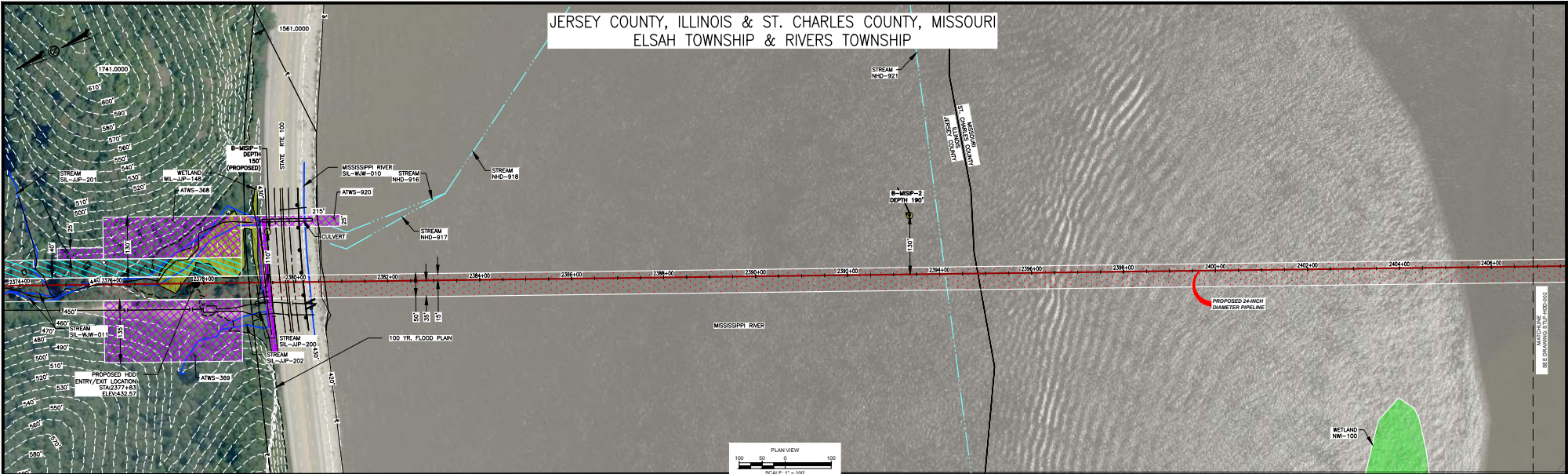
Jayme Fuller
Environmental Manager

JF/djz

Attachments: Attachment A (Revised HDD Profiles for Mississippi River and Missouri River Crossings); Attachment B (IHPA and MO SHPO Correspondence)

ATTACHMENT A
REVISED HDD PROFILES FOR MISSISSIPPI RIVER
AND MISSOURI RIVER CROSSINGS

JERSEY COUNTY, ILLINOIS & ST. CHARLES COUNTY, MISSOURI
ELSAH TOWNSHIP & RIVERS TOWNSHIP



- HDD NOTES:**
- ALL DIMENSIONS AND ELEVATIONS ARE IN FEET, UNLESS OTHERWISE SPECIFIED.
 - ALL CHAINAGES ARE HORIZONTAL.
 - CONTRACTOR SHALL DETERMINE FINAL LOCATIONS AND DIMENSIONS OF ALL FITS NECESSARY TO ACCOMMODATE THEIR MEANS AND METHODS.
 - CONTRACTOR SHALL DETERMINE DIAMETER, GRADE, WALL THICKNESS AND ADDITIONAL LENGTH OF TEMPORARY CONDUCTOR CASINGS THAT THOSE SHOWN ON THE DRAWINGS. ANY INSTALLED TEMPORARY CONDUCTOR CASING SHALL BE FULLY REMOVED UPON COMPLETION OF FULLSCALE OPERATIONS.
 - THE MINIMUM ALLOWABLE DRILLING RATES SHALL BE 1,750 FEET BASED ON A 3 JOINT AVERAGE.
 - EXISTING UTILITY LOCATIONS AND DEPTHS, INCLUDING PRIVATE SERVICES, ARE APPROXIMATE AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO ANY CONSTRUCTION OPERATIONS.

- HDD OPERATIONS SHALL BE CONDUCTED IN ACCORDANCE WITH ALL PERMIT REQUIREMENTS.
- DOWNHOLE ANNUAL DRILLING FLUID PRESSURES SHALL BE MONITORED AT ALL TIMES DURING THE PILOT BORE DRILLING PROCESS. LOCATION OF MONITORING SHALL BE AS CLOSE TO THE DRILL BIT AS POSSIBLE.
- PILOT BORE SHALL BE CONTINUOUSLY TRACKED AT ALL TIMES. NO BUNG SECTIONS SHALL BE PERMITTED, EVEN WHEN THE DRILL BIT IS UNDER WATER.
- UPON HDD COMPLETION AND EXTRACTION OF TEMPORARY CASING PIPE IF APPLICABLE, CONTRACTOR SHALL PLACE A UNIFORM CEMENT BASED GROUT WITHIN THE NEAREST 200 FEET OF THE ANNULAR SPACE OF THE HDD BORE BETWEEN THE CONDUCTOR PIPE AND THE UNDISTURBED EARTH AT EACH HDD ENTRY AND EXIT LOCATIONS. GROUT DELIVERY METHOD SHALL BE FROM MULTIPLE POINTS WITHIN THE ANNULAR SPACE. CONTRACTOR SHALL MONITOR AND CONTROL GROUT PRESSURES TO WITHIN LIMITS FOR THE ENCOUNTERED GEOTECHNICAL MATERIALS.

- IF THE CONTRACTOR ENCOUNTERS AN OBSTRUCTION THAT PREVENTS THE INSTALLATION ACCORDING TO THE PROJECT SPECIFICATIONS, THE CONTRACTOR SHALL PLACE A CEMENT BASED GROUT WITHIN THE BORE. WORK SHALL NOT RESUME UNTIL REVISED PLANS AND PROCEDURES HAVE BEEN SUBMITTED TO AND ACCEPTED BY THE OWNER.
- CONTRACTOR SHALL USE THE DRILL AND INTERSECT INSTALLATION STRATEGY TO COMPLETE THIS INSTALLATION.
- THE PILOT BORE WILL BE EITHER 10.625" OR 12.25" IN DIAMETER. THE FINAL BEAMED BORE DIAMETER IS ANTICIPATED TO BE 36". THE NUMBER OF BEAMING PASSES WILL BE DETERMINED BY THE CONTRACTOR.
- CONTRACTOR SHALL USE A CYCLOSCOPE GUIDANCE SYSTEM TO COMPLETE THE PILOT BORE INSTALLATION.
- CONTRACTOR SHALL MONITOR PRECIPITATION AND RIVER LEVEL ELEVATIONS AND BE PREPARED TO REMOVE EQUIPMENT PRIOR TO A FORECASTED FLOOD EVENT.

MISSISSIPPI HDD PLAN VIEW

PILOT BORE DRILLING TOLERANCES SHALL BE AS FOLLOWS:

ITEM	TOLERANCE
PILOT ENTRY ANGLE	INCREASE ANGLE UP TO 1 (STEPPER), BUT NO DECREASE IN ANGLE ALLOWED.
PILOT ENTRY LOCATION	AS STATED BY OWNER. NO CHANGES WITHOUT OWNER APPROVAL.
PILOT EXIT ANGLE	1.46" to 1.580" +/- 0.01" (SEE "V" AND "W" ON "V" AND "W" ALLOWED).
PILOT EXIT LOCATION	UP TO TEN (10) FEET SHORTER OR LONGER.
PILOT DEPTH	UP TO THREE (3) FEET SHALLOWER DEPTH ALLOWED. UP TO TEN (10) FEET INCREASE IN PIPE DESIGN DEPTH (DEEPER) ALLOWED.
PILOT ALIGNMENT	UP TO TEN (10) FEET LEFT OR RIGHT OF THE OWNER SURVEY CENTERLINE BUT NOT WITHIN FIVE (5) FEET OF THE RIGHT OF WAY ASSESSMENT BOUNDARY OR ANY BELOW GRADE UTILITY OR STRUCTURE.

Soil Stratigraphic Legend:

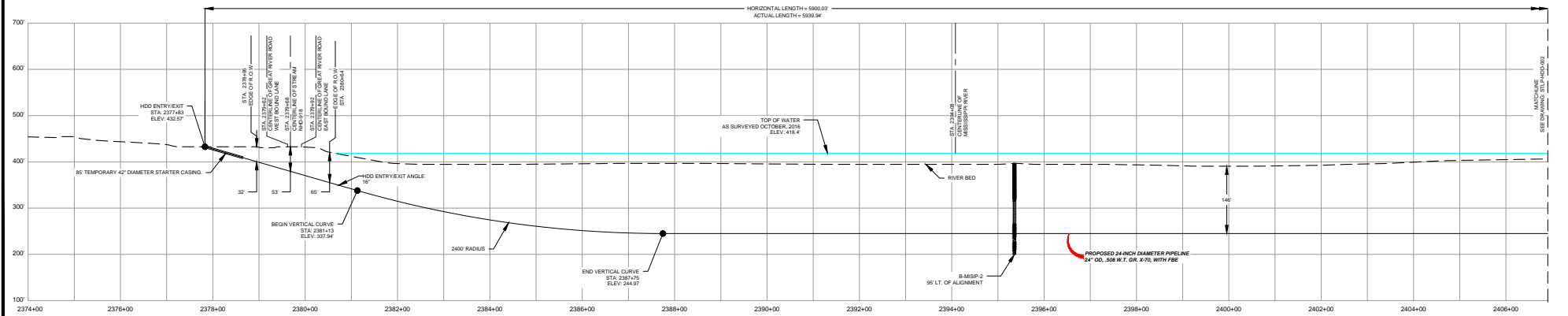
- CLAY
- SAND
- SILT
- LOESS
- GRAVEL
- CONCRETE

Rock Stratigraphic Legend:

- LIMESTONE
- MARBLE
- SHALE

LEGEND

- PROPOSED PERMANENT EASEMENT
- EXISTING PERMANENT EASEMENT
- TEMPORARY WORKSPACE
- ADDITIONAL TEMPORARY WORKSPACE
- PROPOSED TEMPORARY AREA
- ACCESS ROAD
- USACE EASEMENT
- PROPOSED 24 INCH DIAMETER PIPELINE
- PROPERTY LINE
- R/W
- EXISTING GAS PIPELINE
- EXISTING FORDSON PIPELINE
- EXISTING OVERHEAD LINE
- ROAD CENTERLINE
- STREAM (DELINEATED)
- STREAM (DESKTOP)
- WETLAND (DESKTOP)
- WETLAND (DELINEATED)



- NOTES:**
- THE IMAGERY SHOWN WAS PROVIDED BY AERIAL DATA SERVICES, 2016. ADDITIONAL IMAGERY SUPPLEMENTED FROM USFWS NWI AND USGS.
 - EXISTING FEATURES SHOWN WERE SURVEYED BY MOTT MACDONALD AND DIGITIZED FROM IMAGERY. ALL LOCATIONS ARE APPROXIMATE AND SHALL BE VERIFIED BY CONTRACTOR.
 - PROPERTY LINES DEPICTED ON THIS PLAN ARE BASED ON GIS TAX MAP DATA.
 - BASE FLOOD ELEVATION LINE SHOWN FOR 100 YEAR FLOOD PLAIN LIMIT WAS PULLED FROM FEMA FLOOD INSURANCE RATE MAPS (FIRM). THE ELEVATION OF 438 FEET WAS DETERMINED USING MAP NUMBERS 2918C0200K AND 708C0200K.

REFERENCE DRAWINGS

DWG. NO.	TITLE
STLP-A-052	ALIGNMENT SHEET
STLP-HDD-002	HDD PROFILE OVERVIEW

REVISIONS

NO.	REVISIONS	DATE	DRAWN	CK	APPR.
1	ISSUE FOR FERC	01/20/17	RJR	EB	RJP
2	AMENDMENT TO FERC	04/20/17	RJR	EB	RJP
3	FERC SUPPLEMENTAL FILING	07/20/17	RJR	EB	RJP

APPROVALS

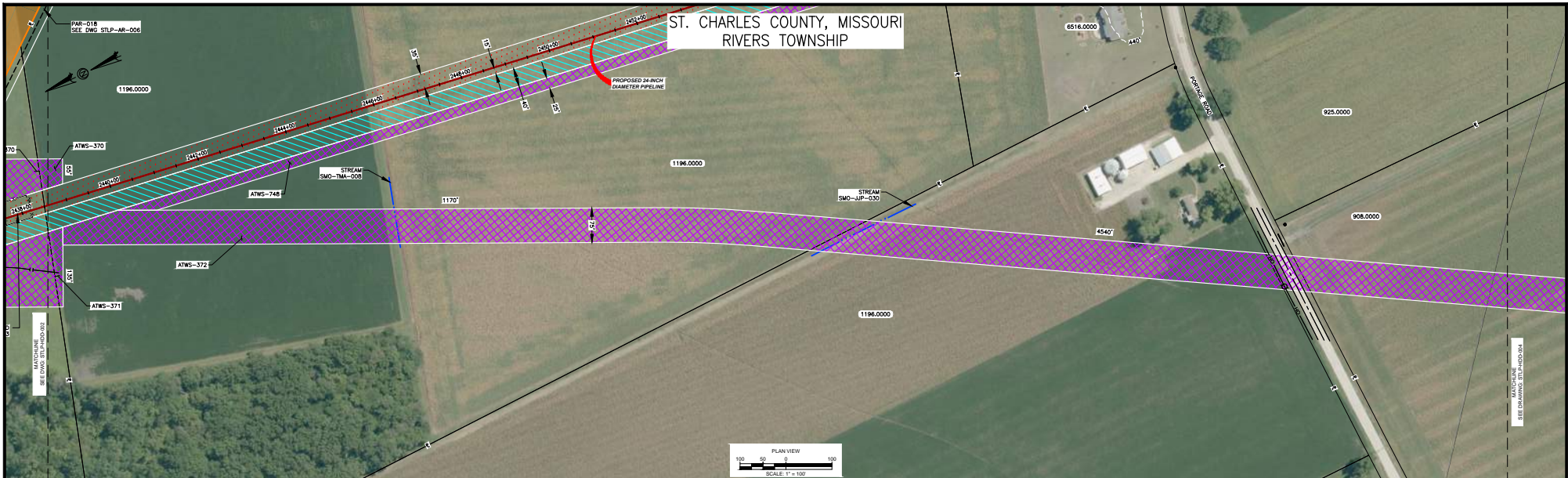
ISSUED BY	DATE	ENGR. APPROVAL	DATE	CLIENT APPROVAL	DATE
R.J.P.	07/20/17	D.G.G.	07/20/17		
CHIEF ENGINEER	DATE	P.M. APPROVAL	DATE		
M.A.P.	07/20/17	J.E.W.	07/20/17	STLP-HDD-001	

PREPARED FOR: **Spire STL Pipeline**

PREPARED BY: **MOTT MACDONALD**

PROJECT: **SPIRE STL PIPELINE PROJECT**
HDD PROFILE OVERVIEW
MISSISSIPPI RIVER MAINLINE
JERSEY COUNTY, ILLINOIS & ST. CHARLES COUNTY, MISSOURI

C:\GIS\STLP\STLP-A-052_FERC\STLP-HDD-002.dwg, J:\10_2017_239PM.dwg, 7/20/17



ST. CHARLES COUNTY, MISSOURI
RIVERS TOWNSHIP

- HDD NOTES:**
1. ALL DIMENSIONS AND ELEVATIONS ARE IN FEET, UNLESS OTHERWISE SPECIFIED.
 2. ALL CHAINAGES ARE HORIZONTAL.
 3. CONTRACTOR SHALL DETERMINE FINAL LOCATIONS AND DIMENSIONS OF ALL FITS NECESSARY TO ACCOMMODATE THEIR MEANS AND METHODS.
 4. CONTRACTOR SHALL DETERMINE DIAMETER, GRADE, WALL THICKNESS AND ADDITIONAL LENGTH OF TEMPORARY CONDUCTOR CASINGS THAN THOSE SHOWN ON THE DRAWINGS. ANY INSTALLED TEMPORARY CONDUCTOR CASING SHALL BE FULLY REMOVED UPON COMPLETION OF FULLBACK OPERATIONS.
 5. THE MINIMUM ALLOWABLE DRILLING RATES SHALL BE 1,750 FEET BASED ON A 3 JOINT AVERAGE.
 6. EXISTING UTILITY LOCATIONS AND DEPTHS, INCLUDING PRIVATE SERVICES, ARE APPROXIMATE AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO ANY CONSTRUCTION OPERATIONS.

7. HDD OPERATIONS SHALL BE CONDUCTED IN ACCORDANCE WITH ALL PERMIT REQUIREMENTS.
8. DOWNHOLE ANNUAL DRILLING FLUID PRESSURES SHALL BE MONITORED AT ALL TIMES DURING THE PILOT BORE DRILLING PROCESS. LOCATION OF MONITORING SHALL BE AS CLOSE TO THE DRILL BIT AS POSSIBLE.
9. PILOT BORE SHALL BE CONTINUOUSLY TRACKED AT ALL TIMES. NO RUNS SECTIONS SHALL BE PERMITTED, EVEN WHEN THE DRILL BIT IS UNDER WATER.
10. UPON HDD COMPLETION AND EXTRACTION OF TEMPORARY CASING PIPE (IF APPLICABLE), CONTRACTOR SHALL PLACE A UNIFORM CEMENT BASED GROUT WITHIN THE NEAREST 200 FEET OF THE ANNULAR SPACE OF THE HDD BORE BETWEEN THE PRODUCT PIPE AND THE UNDISTURBED EARTH AT EACH HDD ENTRY AND EXIT LOCATIONS. GROUT DELIVERY METHOD SHALL BE FROM MULTIPLE POINTS WITHIN THE ANNULAR SPACE. CONTRACTOR SHALL MONITOR AND CONTROL GROUT PRESSURES TO WITHIN LIMITS FOR THE ENCOUNTERED GEOTECHNICAL MATERIALS.

11. IF THE CONTRACTOR ENCOUNTERS AN OBSTRUCTION THAT PREVENTS THE INSTALLATION ACCORDING TO THE PROJECT SPECIFICATIONS, THE CONTRACTOR SHALL PLACE A CEMENT BASED GROUT WITHIN THE BORE. WORK SHALL NOT RESUME UNTIL REVISED PLANS AND PROCEDURES HAVE BEEN SUBMITTED TO AND ACCEPTED BY THE OWNER.
12. CONTRACTOR SHALL USE A CYROSCOPIC GUIDANCE SYSTEM TO COMPLETE THE PILOT BORE INSTALLATION.
13. THE PILOT BORE WILL BE EITHER 10.625" OR 12.25" IN DIAMETER. THE FINAL BEAMED HOLE DIAMETER IS ANTICIPATED TO BE 36". THE NUMBER OF BEAMING PASSES WILL BE DETERMINED BY THE CONTRACTOR SELECTED UP FOR THE WORK.
14. CONTRACTOR SHALL MONITOR PRECIPITATION AND RIVER LEVEL ELEVATIONS AND BE PREPARED TO REMOVE EQUIPMENT PRIOR TO A FORECASTED FLOOD EVENT.

MISSISSIPPI HDD PLAN VIEW

ITEM	TOLERANCE
PILOT BORE DRILLING TOLERANCES SHALL BE AS FOLLOWS:	
PILOT ENTRY ANGLE	INCREASE ANGLE UP TO 1 (STEEPER), BUT NO DECREASE IN ANGLE ALLOWED.
PILOT ENTRY LOCATION	AS STATED BY OWNER. NO CHANGES WITHOUT OWNER APPROVAL.
PILOT EXIT ANGLE	1.46° to 1.50° ± 0.05°; 1.33° to 1.37° ± 0.05°; 1.00° to 1.04° ± 0.05°; 0.80° to 0.84° ± 0.05° ALLOWED.
PILOT EXIT LOCATION	UP TO THREE (3) FEET SHORTER OR LONGER.
PILOT DEPTH	UP TO THREE (3) FEET SHALLOWER DEPTH ALLOWED. UP TO TEN (10) FEET INCREASE IN PIPE DESIGN DEPTH (DEEPER) ALLOWED.
PILOT ALIGNMENT	UP TO TEN (10) FEET LEFT OR RIGHT OF THE OWNER SURVEY CENTER LINE BUT NOT WITHIN FIVE (5) FEET OF THE RIGHT OF WAY EASEMENT BOUNDARY OR ANY BELOW GRADE UTILITY OR STRUCTURE.

Soil Stratigraphic Legend:

- CL (CLAY)
- GM (SANDY CLAY)
- GM (CLAYEY SAND)
- GM (SANDY SILT)
- GM (SILT)
- GM (CLAYEY SILT)
- GM (SANDY CLAYEY SILT)
- GM (SANDY SILTY CLAY)
- GM (SILT CLAY)
- GM (CLAYEY SILTY SAND)
- GM (SANDY CLAYEY SILTY SAND)
- GM (SANDY SILTY CLAYEY SILT)
- GM (SANDY CLAYEY SILTY CLAY)
- GM (SANDY SILTY CLAYEY CLAY)
- GM (SANDY CLAYEY SILTY CLAYEY SILT)
- GM (SANDY CLAYEY SILTY CLAYEY CLAY)
- GM (SANDY SILTY CLAYEY CLAYEY SILT)
- GM (SANDY SILTY CLAYEY CLAYEY CLAY)
- GM (SANDY CLAYEY SILTY CLAYEY CLAYEY SILT)
- GM (SANDY CLAYEY SILTY CLAYEY CLAYEY CLAY)

Rock Stratigraphic Legend:

- LS (LIMESTONE)
- MS (MUDSTONE)
- SL (SHALE)
- CON (CONCRETE)

LEGEND

- PROPOSED PERMANENT EASEMENT
- EXISTING PERMANENT EASEMENT
- TEMPORARY WORKSPACE
- ADDITIONAL TEMPORARY WORKSPACE
- PROPOSED STAGING AREA
- ACCESS ROAD
- USACE EASEMENT
- PROPOSED 24 INCH DIAMETER PIPELINE
- PROPERTY LINE
- IMM
- EXISTING GAS PIPELINE
- EXISTING FORSEAN PIPELINE
- EXISTING OVERHEAD LINE
- ROAD CENTERLINE
- STREAM (DELINATED)
- STREAM (DESKTOP)
- WETLAND (DESKTOP)
- WETLAND (DELINATED)

NOTES:

1. THE IMAGERY SHOWN WAS PROVIDED BY AERIAL DATA SERVICES, 2016. ADDITIONAL IMAGERY SUPPLEMENTED FROM USFWS-NWI AND USGS.
2. EXISTING FEATURES SHOWN WERE SURVEYED BY MOTT MACDONALD AND DIGITIZED FROM IMAGERY. ALL LOCATIONS ARE APPROXIMATE AND SHALL BE VERIFIED BY CONTRACTOR.
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REFERENCE DRAWINGS				REFERENCE DRAWINGS			
DWG. NO.	TITLE	DWG. NO.	TITLE				
STLP-4-051	ALIGNMENT SHEET	STLP-HDD-004	HDD PROFILE OVERVIEW				
STLP-408-006	ACCESS ROAD SITE PLAN - PAR-018						
STLP-HDD-000	HDD PROFILE OVERVIEW						

REVISIONS				REVISIONS							
NO.	REVISIONS	DATE	DRAWN	CK	APPR	NO.	REVISIONS	DATE	DRAWN	CK	APPR
1	ISSUE FOR PERC	01/2017	RJR	EB	RJP						
2	AMENDMENT TO PERC	04/2017	RJR	EB	RJP						
3	PERC SUPPLEMENTAL FILING	07/2017	RJR	EB	RJP						

ISSUED BY				APPROVALS			
D.R.G.	DATE	ESG. APPROVAL	DATE	CLIENT APPROVAL	DATE		
D.R.G.	01/2017	D.G.G.	07/2017				
CHANGES BY	DATE	PK APPROVAL	DATE				
M.A.P.	07/2017	J.E.W.	07/2017				

PREPARED FOR
Spire STL Pipeline

PREPARED BY
MOTT MACDONALD

SPIRE STL PIPELINE PROJECT
HDD PROFILE OVERVIEW
MISSISSIPPI RIVER MAINLINE
ST. CHARLES COUNTY, MISSOURI



HDD NOTES:

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5. THE MINIMUM ALLOWABLE DRILLING GRADES SHALL BE 1,750 FEET BASED ON A 3 JOINT AVERAGE.
6. EXISTING UTILITY LOCATIONS AND DEPTHS, INCLUDING PRIVATE SERVICES, ARE APPROXIMATE AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO ANY CONSTRUCTION OPERATIONS.

7. HDD OPERATIONS SHALL BE CONDUCTED IN ACCORDANCE WITH ALL PERMIT REQUIREMENTS.
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9. PILOT BORE SHALL BE CONTINUOUSLY TRACKED AT ALL TIMES. NO BUNG SECTIONS SHALL BE PERMITTED, EVEN WHEN THE DRILL BIT IS UNDER WATER.
10. UPON HDD COMPLETION AND EXTRACTION OF TEMPORARY CASING PIPE (IF APPLICABLE), CONTRACTOR SHALL PLACE A UNIFORM CEMENT BASED GROUT WITHIN THE NEAREST 200 FEET OF THE ANNULAR SPACE OF THE HDD BORE BETWEEN THE PRODUCT PIPE AND THE UNDISTURBED EARTH AT EACH HDD ENTRY AND EXIT LOCATIONS. GROUT DELIVERY METHOD SHALL BE FROM MULTIPLE POINTS WITHIN THE ANNULAR SPACE. CONTRACTOR SHALL MONITOR AND CONTROL GROUT PRESSURES TO WITHIN LIMITS FOR THE ENCOUNTERED GEOTECHNICAL MATERIALS.

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12. CONTRACTOR SHALL USE THE DRILL AND INTERSECT INSTALLATION STRATEGY TO COMPLETE THIS INSTALLATION.
13. THE PILOT BORE WILL BE EITHER 10.625" OR 12.25" IN DIAMETER. THE FINAL BEAMED BORE DIAMETER IS ANTICIPATED TO BE 36". THE NUMBER OF REAMING PASSES WILL BE DETERMINED BY THE CONTRACTOR SELECTED FOR THE WORK.
14. CONTRACTOR SHALL USE A CYBOSCOPE GUIDANCE SYSTEM TO COMPLETE THE PILOT BORE INSTALLATION.
15. CONTRACTOR SHALL MONITOR PRECIPITATION AND RIVER LEVEL ELEVATIONS AND BE PREPARED TO REMOVE EQUIPMENT PRIOR TO A FORECASTED FLOOD EVENT.

MISSOURI RIVER HDD PLAN VIEW

PILOT BORE DRILLING TOLERANCES SHALL BE AS FOLLOWS:	
ITEM	TOLERANCE
PILOT ENTRY ANGLE	INCREASE ANGLE UP TO 1° (STEEPER), BUT NO DECREASE IN ANGLE ALLOWED.
PILOT ENTRY LOCATION	AS STAKED BY OWNER. NO CHANGES WITHOUT OWNER APPROVAL.
PILOT EXIT ANGLE	DECREASE ANGLE UP TO 2° (FLATTER), BUT NO INCREASES IN EXIT ANGLE ALLOWED.
PILOT EXIT LOCATION	AS STAKED BY OWNER. NO CHANGES WITHOUT OWNER APPROVAL.
PILOT DEPTH	UP TO THREE (3) FEET SHALLOWER DEPTH ALLOWED. UP TO TEN (10) FEET INCREASE IN PIPE DESIGN DEPTH (DEEPER) ALLOWED.
PILOT ALIGNMENT	UP TO TEN (10) FEET LEFT OR RIGHT OF THE OWNER SURVEY CENTERLINE. LINE NOT WITHIN FIVE (5) FEET OF THE RIGHT-OF-WAY/EASEMENT BOUNDARY OR ANY BELOW GRADE UTILITY OR STRUCTURE.

Soil Stratigraphic Legend:

- CL (CLAY)
- SH (SHALE)
- LS (LIMESTONE)
- MS (MUDSTONE)
- SK (SANDSTONE)
- CON (CONCRETE)

Rock Stratigraphic Legend:

- LS (LIMESTONE)
- MS (MUDSTONE)
- SK (SANDSTONE)
- CON (CONCRETE)

LEGEND

- PROPOSED PERMANENT EASEMENT
- EXISTING PERMANENT EASEMENT
- TEMPORARY WORKSPACE
- ADDITIONAL TEMPORARY WORKSPACE
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- ACCESS ROAD
- USACE EASEMENT
- PROPOSED 24 INCH DIAMETER PIPELINE
- PROPERTY LINE
- IMC
- EXISTING GAS PIPELINE
- EXISTING FORSEAN PIPELINE
- EXISTING OVERHEAD LINE
- ROAD CENTERLINE
- STREAM (DELINEATED)
- STREAM (DESKTOP)
- WETLAND (DESKTOP)
- WETLAND (DELINEATED)

- NOTES:**
1. THE IMAGERY SHOWN WAS PROVIDED BY AERIAL DATA SERVICES, 2018. ADDITIONAL IMAGERY SUPPLEMENTED FROM USFWS-NWI AND USGS.
 2. EXISTING FEATURES SHOWN WERE SURVEYED BY MOTT MACDONALD AND DIGITIZED FROM IMAGERY. ALL LOCATIONS ARE APPROXIMATE AND SHALL BE VERIFIED BY CONTRACTOR.
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REFERENCE DRAWINGS		REVISIONS				REVISIONS				APPROVALS			
DWG. NO.	TITLE	NO.	REVISIONS	DATE	DRAWN	CK	APPR	NO.	REVISIONS	DATE	DRAWN	CK	APPR
STLP-A-068	ALIGNMENT SHEET	3	FERC SUPPLEMENTAL FILING	07/2017	R.J.P.	EB	R.J.P.						
STLP-A-067	ALIGNMENT SHEET												

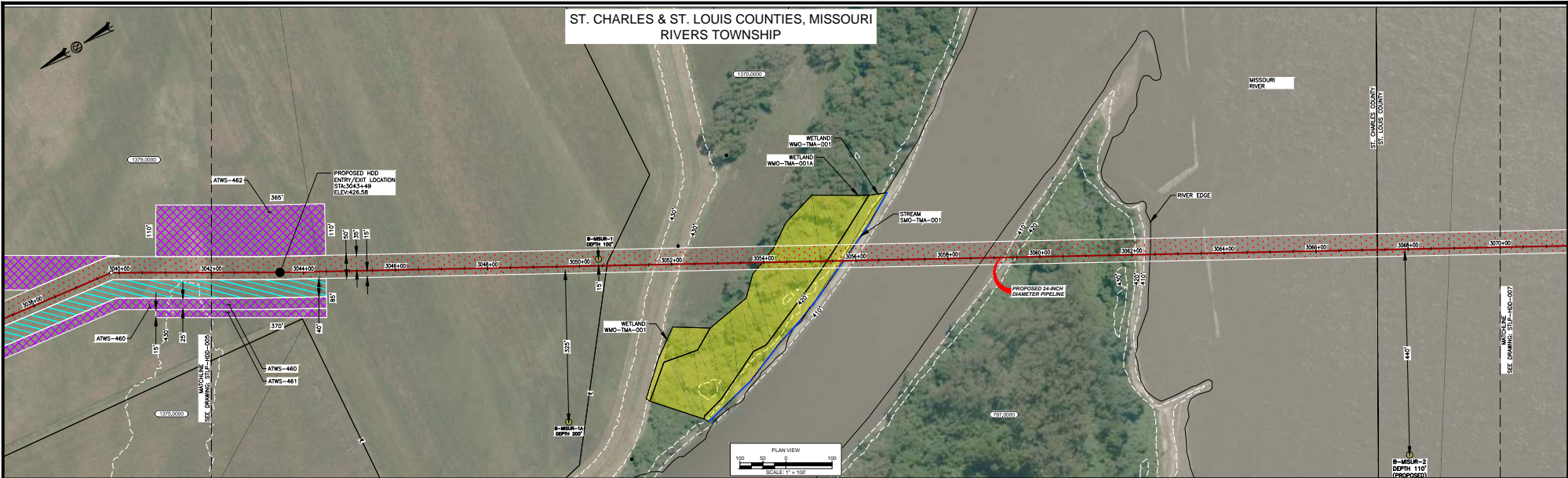
DESIGNED BY	DATE	ENG. APPROVAL	DATE	CLIENT APPROVAL	DATE
R.J.P.	07/2017	D.G.G.	07/2017		
CHECKED BY	DATE	P.M. MOTT MACDONALD	DATE		
M.A.P.	07/2017	J.E.W.	07/2017	STLP-HDD-005A	

PREPARED FOR
Spire STL Pipeline

PREPARED BY
M MOTT MACDONALD

SPIRE STL PIPELINE PROJECT
HDD PROFILE OVERVIEW
MISSOURI RIVER MAINLINE
ST. CHARLES & ST. LOUIS COUNTIES, MISSOURI

ST. CHARLES & ST. LOUIS COUNTIES, MISSOURI
RIVERS TOWNSHIP



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MISSOURI RIVER HDD PLAN VIEW

ITEM	TOLERANCE
PILOT ENTRY ANGLE	INCREASE ANGLE UP TO 1 (STEEPER), BUT NO DECREASE IN ANGLE ALLOWED.
PILOT ENTRY LOCATION	AS STATED BY OWNER. NO CHANGES WITHOUT OWNER APPROVAL.
PILOT EXIT ANGLE	1.46" to 1.580" vertical. 1.33" to 1.34" vertical. 0.00" to 0.00" vertical. VSO ALLOWED.
PILOT EXIT LOCATION	UP TO THREE (3) FEET SHORTER OR LONGER.
PILOT DEPTH	UP TO THREE (3) FEET SHALLOWER DEPTH ALLOWED. UP TO TEN (10) FEET INCREASE IN PIPE DESIGN DEPTH (DEEPER) ALLOWED.
PILOT ALIGNMENT	UP TO TEN (10) FEET LEFT OR RIGHT OF THE OWNER SURVEY CENTER LINE BUT NOT WITHIN FIVE (5) FEET OF THE RIGHT-OF-WAY EASEMENT BOUNDARY OR ANY BELOW GRADE UTILITY OR STRUCTURE.

Soil Stratigraphic Legend

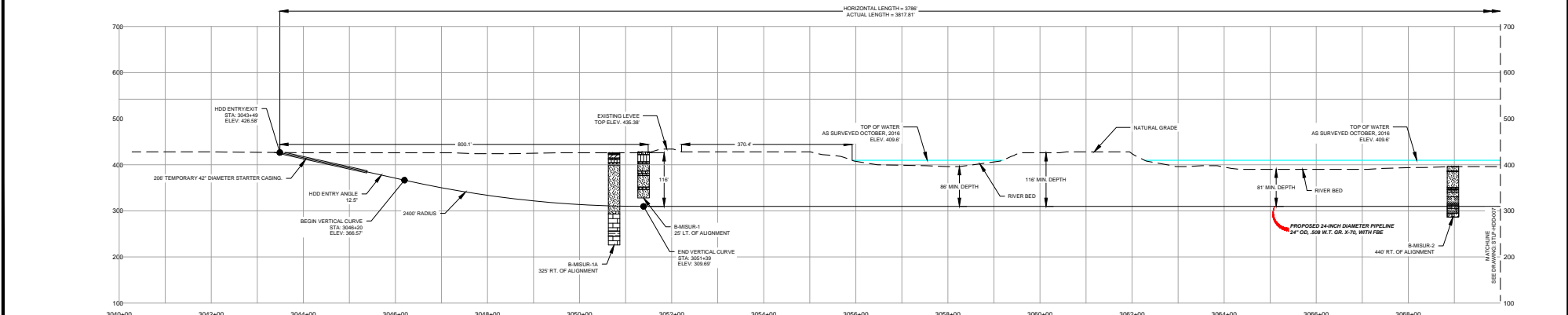
- CL
- GM
- GM-CL
- ML
- ML-GM
- OL
- OH
- OH-GM
- SH
- SH-GM
- SM
- SM-GM
- SS
- SS-GM
- SW
- SW-GM
- US
- US-GM
- US-SM
- US-SM-GM
- US-SS
- US-SS-GM
- US-SW
- US-SW-GM
- US-SM-SW
- US-SM-SW-GM
- US-SS-SW
- US-SS-SW-GM
- US-SM-SS
- US-SM-SS-GM
- US-SM-SW-SS
- US-SM-SW-SS-GM
- US-SS-SW-SS
- US-SS-SW-SS-GM

Rock Stratigraphic Legend

- LM
- LM-GM
- LM-SH
- LM-SH-GM
- LM-SW
- LM-SW-GM
- LM-SS
- LM-SS-GM
- LM-SM
- LM-SM-GM
- LM-SW-SM
- LM-SW-SM-GM
- LM-SS-SM
- LM-SS-SM-GM
- LM-SM-SS
- LM-SM-SS-GM
- LM-SW-SS
- LM-SW-SS-GM
- LM-SM-SW-SS
- LM-SM-SW-SS-GM
- LM-SS-SW-SS
- LM-SS-SW-SS-GM

LEGEND

- PROPOSED PERMANENT EASEMENT
- EXISTING PERMANENT EASEMENT
- TEMPORARY WORKSPACE
- ADDITIONAL TEMPORARY WORKSPACE
- PROPOSED STAGING AREA
- ACCESS ROAD
- USACE EASEMENT
- PROPOSED 24-INCH DIAMETER PIPELINE
- PROPERTY LINE
- WMO
- EXISTING GAS PIPELINE
- EXISTING FORSEAN PIPELINE
- EXISTING OVERHEAD LINE
- ROAD CENTERLINE
- STREAM (DELINEATED)
- STREAM (DESKTOP)
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NO.	REVISIONS	DATE	DRAWN	CK	APPR
1	ISSUE FOR PERC	01/20/17	RJR	EB	RJP
2	AMENDMENT TO PERC	04/20/17	RJR	EB	RJP
3	PERC SUPPLEMENTAL FINDING	07/20/17	RJP	EB	RJP

NO.	REVISIONS	DATE	DRAWN	CK	APPR
1	ISSUE FOR PERC	01/20/17	RJR	EB	RJP
2	AMENDMENT TO PERC	04/20/17	RJR	EB	RJP
3	PERC SUPPLEMENTAL FINDING	07/20/17	RJP	EB	RJP

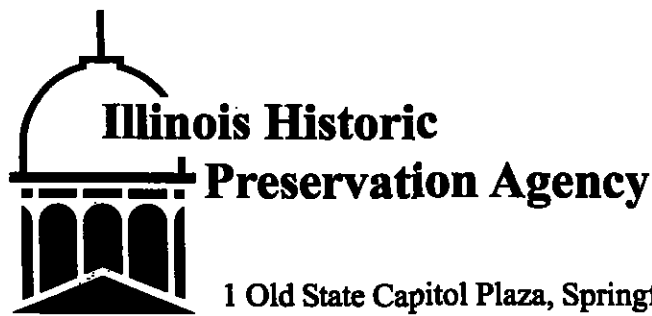
DATE	APPROVALS	DATE	CLIENT APPROVAL	DATE
07/20/17	R.J.P.	07/20/17	D.G.G.	07/20/17
07/20/17	M.A.P.	07/20/17	J.E.W.	07/20/17

PREPARED FOR
Spire STL Pipeline

PREPARED BY
MOTT MACDONALD

SPIRE STL PIPELINE PROJECT
HDD PROFILE OVERVIEW
MISSOURI RIVER MAINLINE
ST. CHARLES & ST. LOUIS COUNTIES, MISSOURI

ATTACHMENT B
IHPA AND MO SHPO CORRESPONDENCE



CP17-40-000
CP17-40-001
ORIGINAL

www.illinoishistory.gov

Various County PLEASE REFER TO: IHPA LOG #005080216
 Scott, Greene & Jersey Co.
 Illinois: Scott, Greene & Jersey Counties; Missouri: St. Charles & St. Louis Counties
 Sites: 11JY654-660, 662-679, 681-697, 701-704, 706-713, 715-718, Jersey County
 Sites: 11ST603, 604, 605-612, 614-616, Scott County
 Sites: 11GE18, 719-746, 748-756, 759-772, 774-788, 790-808, Greene County
 FERC-CP17-40-000-001, GAIC-E160438.00
 New construction, Spire STL Pipeline

June 22, 2017

Eric Scuoteguazza
 GAI Consultants, Inc./Spire
 1444 Farnsworth Avenue, Suite 303
 Aurora, IL 60505

Dear Mr. Scuoteguazza:

Re: Results of Phase I Survey --
 Acre(s): 1337.4
 Archaeological Site(s): 170
 Contractor: GAI/Hood

FILED
SECRETARY OF THE
COMMISSION
 2017 JUL -5 P 12:31
FEDERAL ENERGY
REGULATORY COMMISSION

Thank you for requesting comments from our office concerning the possible effects of the referenced project on cultural resources. Our comments are required by Section 106 of the National Historic Preservation Act of 1966, as amended, and its implementing regulations, 36 CFR 800: "Protection of Historic Properties".

Our staff has reviewed the archaeological Phase I reconnaissance report performed for the above referenced project. The Phase I survey and assessment of the archaeological resources appear to be adequate.

The archaeological sites listed above are not eligible for the National Register of Historic Places. No further archaeological investigation is necessary at the location of these sites and no architectural resources are affected.

Archaeological sites 11ST613, Scott County; 11GE11GE789, 773, 757, 758, Greene County; 11JY700, 698, 699, 661, 680, Jersey County are potentially significant and, consequently, may be eligible for listing on the National Register of Historic Places under criterion "d". If your project will not affect these sites, then we can make a determination of "no adverse effect" for this project provided that the following conditions are met: 1) a deed covenant is placed on the parcel of property that contains sites to ensure that no construction/development activity will occur without the consent of the Illinois State Historic Preservation Agency and the federal agency shall be provided with a copy of the executed covenant with evidence of its recordation at the appropriate county office. Please call if you wish a copy of a sample covenant to review.

If your project can not avoid the potentially eligible sites, then Phase II archaeological investigations to evaluate the significance of these sites will be necessary prior to construction. If the sites are determined not to be eligible for the National Register after the Phase II work, then no further investigation will be required. If the sites are determined to have met National Register eligibility criteria after the Phase II work, then you have two (2) options. You may preserve the site location through a Deed Covenant as described above. Alternately, you may request initiation of a Memorandum of Agreement (MOA) which must be signed by IHPA and the Federal Agency. The MOA will include a Data Recovery Plan for archaeological excavation, analysis of the site, a written final report and plans for artifact curation.



Illinois Historic Preservation Agency

1 Old State Capitol Plaza, Springfield, IL 62701-1512

www.illinoishistory.gov

A COPY OF THIS LETTER INCLUDING THE IHPA LOG NUMBER SHOULD BE PROVIDED TO THE PROFESSIONAL ARCHAEOLOGICAL CONTRACTOR WHOSE SERVICES ARE OBTAINED TO CONDUCT THE PHASE II INVESTIGATIONS TO ENSURE THAT THEIR REPORT IS CONNECTED WITH YOUR PROJECT PAPERWORK.

If you have any questions, please contact Joe Phillippe at 217/785-1279 or joe.philippe@illinois.gov.

Sincerely,

A handwritten signature in black ink, appearing to read 'Rachel', with a long, sweeping horizontal line extending to the right.

Rachel Leibowitz, Ph.D.
Deputy State Historic
Preservation Officer

c: Donna M. Caton, Illinois Commerce Commission
Kimberly D. Bose, Federal Energy Regulatory Commission

Document Content(s)

14629670.tif.....1-2



Missouri Department of

dnr.mo.gov

NATURAL RESOURCES

Eric R. Greitens, Governor

Carol S. Comer, Director

March 23, 2017

Eric P. Scuoteguazza
GAI Consultants, Inc.
1444 Farnsworth Avenue, Suite 303
Aurora, Illinois 60505

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 January 2017 draft reports entitled detailing the results of the Phase I archaeological survey and historic architectural survey. Based on this review we have the following comments:

- Please be consistent with the site descriptions by including in all transects; the percentage of visibility; if shovel tests were conducted and, if so, how many and what the results were (plow zone, intact, to what depth); if the site boundaries extend outside of the right-of-way, at least estimate how much additional site area might be beyond project boundaries.
- Figures 1.2 and 6.1 are referenced for each site. Please include the sheet number. It would also be most useful to include a map showing the site in relation to the project in the site description section.
- The maps attached to the site forms must use the official trinomial, not the field designation.
- Artifact illustrations and/or photographs should be included in the site descriptions and with the site forms.
- 23SC2213 – how far outside of the right of way might this site extend? If only a small portion, then the recommendation for not eligible may be defended.
- 23SC2218 – states that this site exhibits intact integrity. Was this determined by shovel tests? If so, how deep? Was there intact cultural material below the plow zone?
- 23SC2219 – it is more appropriate to state the historic component does not have the potential to contribute to the possible eligibility of the site.
- 23SC2215 - states that this site exhibits intact integrity. Was this determined by shovel tests? If so, how deep? Was there intact cultural material below the plow zone? Provide documentation to support the statement that there is a potential for deeply buried deposits.
- 23SC2211 – Was shovel testing conducted to determine evidence or presence of features?
- 23SC5 – Were additional historic records reviewed to determine if the mapped location of the trail is accurate? What changes or alterations to the landform have occurred?
- 23SL157 – it is more accurate to state that there is no evidence of the site within the project area, and that there will be no effect.
- 23SL158 - it is more accurate to state that there is no evidence of the site within the project area, and that there will be no effect.
- GAI-02 – will require additional context before a determination of eligibility can be made.



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- GAI-03 – More and better photographs are needed for this farmstead, as well as a more detailed explanation for why the recommendation is for not eligible.
- GI-09 and GAI-33 – More and better photographs, as well as more documentation of the surrounding subdivision will be required in order to determine if these properties are eligible or not.

We look forward to the opportunity to review a revised draft of these documents. 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,

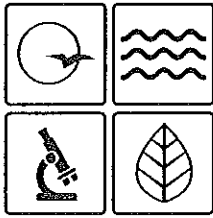
STATE HISTORIC PRESERVATION OFFICE



Toni M. Prawl, Ph.D.
Director and Deputy State
Historic Preservation Officer

TMP:jd

c Laurie Boros, FERC



Missouri Department of dnr.mo.gov

NATURAL RESOURCES

Eric R. Greitens, Governor

Carol S. Comer, Director

May 23, 2017

Eric Scuoteguazza
Senior Cultural Resources Manager
GAI Consultants, Inc.
1444 Farnsworth Avenue, Suite 303
Aurora, Illinois 60505

Re: Addendum I Phase I Survey, 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.

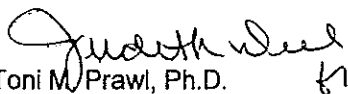
We have reviewed the April 2017 report entitled *Technical Report – Addendum I Phase I Archaeological Survey, Spire STL Pipeline Project, St. Charles and St. Louis Counties, Missouri*. Based on this review we have the following comments:

- Under separate cover, SHPO has concurred that the portion of site 23SC2219 within the Spire STL Pipeline Project does not have the potential to yield information important to the understanding of prehistory, and that the balance of the site outside of the project boundaries may be eligible for inclusion in the National Register of Historic Places.
- 23SC2213 – according to the maps in the report, this 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 extent of disturbance, if any, would also be appropriate.
- 23SL524 - according to the maps in the report, this 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.

We look forward to the opportunity to review a revised draft of this report. If you have any questions, please write Heather Gibb (573/751-4589) or Judith Deel (573/751-7862) at State Historic Preservation Office, P.O. Box 176, Jefferson City, Missouri 65102. 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 Laurie Boros, FERC





Missouri Department of dnr.mo.gov

NATURAL RESOURCES

Eric R. Greitens, Governor

Carol S. Comer, Director

July 28, 2017

Eric Scuoteguazza
Senior Manager, Cultural resources
GAI Consultants, Inc.
2300 Cabot Drive, Suite 395
Lisle, Illinois 60532-4644

Re: Spire STL Pipeline Project Revised Technical Report (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 July 2017 revised report entitled *Technical Report – Phase I Archaeological Survey, Spire STL Pipeline Project, St. Charles and St. Louis Counties, Missouri*. Based on this review it is evident that a thorough and adequate cultural resources survey has been conducted of the additional project area. We concur that archaeological sites 23SC2215, 23SC2216, 23SC2218 and 23SC2219 may be eligible for inclusion in the National Register of Historic Places under Criterion D, potential to yield information important to the understanding of prehistoric settlement patterns and subsistence strategies.

If at all possible, the proposed project should be designed to avoid these archaeological sites. Plans detailing the redesign of the project corridor should be submitted to this office in order to document the successful avoidance of this site. If avoidance is not feasible, subsurface archaeological testing should be conducted in order to determine if these sites are eligible for inclusion in the National Register of Historic Places. The results of the evaluation should be submitted to the State Historic Preservation Office in accordance with the Council's regulations. Pending completion of this process, no actions should be taken that would foreclose consideration of alternatives to avoid or satisfactorily mitigate any adverse effects to historic properties.

We also concur that sites 23SC2213, 23SC2214, 23SC2217, 23SC2220 and nineteen (19) isolated finds are not eligible for the National Register. 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 Laurie Boros, FERC
Rob Gramke, COE/SL
Chris Koenig, COE/SL



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Missouri Department of dnr.mo.gov
NATURAL RESOURCES
Eric R. Greitens, Governor Carol S. Comer, Director

July 28, 2017

Eric Scuoteguazza
Senior Manager, Cultural resources
GAI Consultants, Inc.
2300 Cabot Drive, Suite 395
Lisle, Illinois 60532-4644

Re: Spire STL Pipeline Project Technical Report Addendum II (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 July 2017 report entitled *Technical Report – Addendum II Phase I Archaeological Survey, Spire STL Pipeline Project, St. Charles and St. Louis Counties, Missouri*. Based on this review it is evident that a thorough and adequate cultural resources survey has been conducted of the additional project area. We concur that archaeological site 23SC2216 may be eligible for inclusion in the National Register of Historic Places. We also concur that there will be **no adverse effect** on the condition that the site is fenced and protected during construction activities at this location.

Please be advised that, should project plans for this location change, information documenting the revisions should be submitted to this office for further review to determine if there may be effects on 23SC2216. 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 Laurie Boros, FERC
Rob Gramke, COE/SL
Chris Koenig, COE/SL

Promoting, Protecting and Enjoying our Natural Resources. Learn more at dnr.mo.gov



telephone log



gai consultants

Date: 9/7/2017

Project / Admin. No.: E160438.00

Call From: Todd Wheaton

Company: GAI Consultants

Phone No.: 234-203-0765

Call To: David Meyer

Company: USACE ST Louis District

Phone No.: 314.331.8810

Subject: Spire STL Pipeline – Wetland Mitigation banks

cc:

Summary of Discussion, Decisions, and Commitments:

Spoke with David Meyer regarding wetland mitigation banks and ratios. The USACE would only be concerned with the location of the PFO, and the service area that impact falls in. David confirmed that the ratio is 3:1 for mitigation in service area and 4:1 outside service area.

Ali Trunzo

Subject: RE: Spire STL additional questions regarding mitigation

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

From: Meyer, David P CIV USARMY CEMVS (US) [mailto:David.P.Meyer@usace.army.mil]
Sent: Thursday, September 07, 2017 11:58 AM
To: Todd Wheaton <T.Wheaton@gaiconsultants.com>; Irwin, Mike <mike.irwin@dnr.mo.gov>
Cc: Jayme Fuller <J.Fuller@gaiconsultants.com>; Ali Trunzo <A.Trunzo@gaiconsultants.com>; Bax, Stacia <stacia.bax@dnr.mo.gov>
Subject: RE: Spire STL additional questions regarding mitigation

Todd,

Yes if you are needing more credits outside of your service area, the ratio would increase. I have attached the service area of Big Rivers Wetland Bank which may work out for you better, I know you have had trouble contacting them. I have reached out to them and gave them your contact info to get a hold of you. I was able to get a hold of one of their partners on the phone, so hopefully he will get with you shortly

Please let me know if you find anything else out and we can keep in touch.

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: Thursday, September 07, 2017 10:39 AM
To: Meyer, David P CIV USARMY CEMVS (US) <David.P.Meyer@usace.army.mil>; Irwin, Mike <mike.irwin@dnr.mo.gov>
Cc: Jayme Fuller <J.Fuller@gaiconsultants.com>; Ali Trunzo <A.Trunzo@gaiconsultants.com>; Bax, Stacia <stacia.bax@dnr.mo.gov>
Subject: [EXTERNAL] RE: Spire STL additional questions regarding mitigation

Thank you David!

The only question I still had outstanding was whether or not our wetland mitigation ratios would go up if we were to purchase from the Rosedale bank since some of our impacts are located outside their service area? Just want to make sure we are all on the same page before we reach out to Rosedale about purchasing the required credits.

Also, Spire is currently looking at a minor reroute between mile post 49.3 and 50.1, which could potentially reduce impacts below MDNR mitigation requirements and eliminate the need for stream mitigation. Once this gets settled I will provide some additional info for the reroute Should Spire pursue that option.

Thanks!
Todd

Todd C. Wheaton
D 234.203.0765 M 330.415.8364

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

From: Meyer, David P CIV USARMY CEMVS (US) [mailto:David.P.Meyer@usace.army.mil]
Sent: Thursday, September 07, 2017 9:35 AM
To: Irwin, Mike <mike.irwin@dnr.mo.gov>; Todd Wheaton <T.Wheaton@gaiconsultants.com>
Cc: Jayme Fuller <J.Fuller@gaiconsultants.com>; Ali Trunzo <A.Trunzo@gaiconsultants.com>; Bax, Stacia <stacia.bax@dnr.mo.gov>
Subject: RE: Spire STL additional questions regarding mitigation

Hello Todd,

I have attached an image of the mitigation bank service areas for Rosedale (yellow) and the Lower Missouri (green).

Also, the Little Dardenne Mitigation bank sold all of its available stream credits yesterday. So, if you are needing stream mitigation per MDNR's Ind. Sect. 401 requirements, the only option for a stream bank mitigation would be through an In-Lieu Fee program (Land Learning Foundation or Missouri Conservation Heritage Foundation).

Thanks and please let me know if you are needing any more information.

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

Ali Trunzo

From: Pricer, Lanny M CIV USARMY CEHQ (US) <Lanny.M.Pricer@usace.army.mil>
Sent: Monday, August 14, 2017 5:05 PM
To: Lori Ferry
Cc: Ali Trunzo; Douglas Sipe
Subject: RE: Spire STL Pipeline Project-FERC Notice of Schedule

Lori,

Great! I'll pass it around here.

Thanks,
Lanny

Lanny Pricer CEHQ-RAO
Realty Specialist
U.S. Army, Corps of Engineers
St. Louis District, Real Estate Division

(314) 331-8157

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

From: Lori Ferry [mailto:L.Ferry@gaiconsultants.com]
Sent: Monday, August 14, 2017 3:03 PM
Cc: Ali Trunzo <A.Trunzo@gaiconsultants.com>; Douglas Sipe
<dsipe@mdmcorp.com>; Lori Ferry <L.Ferry@gaiconsultants.com>
Subject: [Non-DoD Source] Spire STL Pipeline Project-FERC Notice of Schedule

Hello,

Please take notice that the Federal Energy Regulatory Commission (FERC) has issued its Notice of Schedule pertaining to the Spire STL Pipeline Project on August 3, 2017 and expects to issue the Environmental Assessment on or before September 29, 2017.

A copy of the Notice is attached for your reference.

Thank you,

Lori Ferry

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

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<Blocked<https://twitter.com/GAIConsultants>>

<Blocked<https://www.youtube.com/user/gaiconsultants>>

<Blocked<https://www.linkedin.com/company/gai-consultants-inc->>

<Blocked<http://gaiconsultants.com/news-and-insights/our-thinking/>>

l.ferry@gaiconsultants.com <<mailto:l.ferry@gaiconsultants.com>>

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Ali Trunzo

From: Lori Ferry
Sent: Monday, August 14, 2017 4:03 PM
Cc: Ali Trunzo; Douglas Sipe; Lori Ferry
Subject: Spire STL Pipeline Project-FERC Notice of Schedule
Attachments: 8-3-17 Spire STL_FERC Notice of Schedule.docx

Hello,

Please take notice that the Federal Energy Regulatory Commission (FERC) has issued its Notice of Schedule pertaining to the Spire STL Pipeline Project on August 3, 2017 and expects to issue the Environmental Assessment on or before September 29, 2017.

A copy of the Notice is attached for your reference.

Thank you,
Lori Ferry

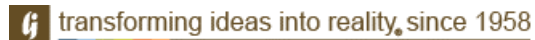
Lori Ferry
Environmental Manager-Energy Business Unit

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



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UNITED STATES OF AMERICA
FEDERAL ENERGY REGULATORY COMMISSION

Spire STL Pipeline Company, LLC

Docket Nos. CP17-40-000
CP17-40-001

NOTICE OF SCHEDULE FOR ENVIRONMENTAL REVIEW
OF THE SPIRE STL PIPELINE PROJECT

(August 3, 2017)

On January 26, 2017, Spire STL Pipeline, LLC (Spire) filed an application in Docket No. CP17-40-000 requesting a Certificate of Public Convenience and Necessity pursuant to Section 7(c) of the Natural Gas Act to construct and operate certain natural gas pipeline facilities. On April 21, 2017, Spire amended its application to incorporate various changes in project routing. The proposed project is known as the Spire STL Pipeline Project (Project), and would link the greater St. Louis Region to a new supply of gas, through transport of about 400,000 dekatherms per day of natural gas service.

On February 6, 2017, the Federal Energy Regulatory Commission (Commission or FERC) issued its Notice of Application for the Project. Among other things, that notice alerted agencies issuing federal authorizations of the requirement to complete all necessary reviews and to reach a final decision on a request for a federal authorization within 90 days of the date of issuance of the Commission staff's Environmental Assessment (EA) for the Project. This instant notice identifies the FERC staff's planned schedule for the completion of the EA for the Project.

Schedule for Environmental Review

Issuance of EA	September 29, 2017
90-day Federal Authorization Decision Deadline	December 28, 2017

If a schedule change becomes necessary, additional notice will be provided so that the relevant agencies are kept informed of the Project's progress.

Project Description

The proposed Project includes (i) about 65 miles of new 24-inch-diameter pipeline in Scott, Greene, and Jersey Counties, Illinois and St. Charles and St. Louis Counties, Missouri, (ii) a new meter station in Scott County, Illinois, (iii) two new meter stations in St. Louis County, Missouri, and (iv) additional piping and pigging facilities at each of the three meter stations.

Background

During the Commission's pre-filing process, on October 26, 2016, the Commission issued a *Notice of Intent to Prepare an Environmental Assessment for the Planned Spire STL Pipeline Project, Request for Comments on Environmental Issues, and Notice of Public Scoping Sessions*. Subsequent to this notice, Spire filed a potential pipeline route alternative in St. Louis County, Missouri. Therefore, on March 3, 2017, the Commission issued a *Supplemental Notice of Intent to Prepare an Environmental Assessment for the Proposed Spire STL Pipeline Project and Request for Comments on Environmental Issues*. These two notices were published in the Federal Register¹ and mailed to 1,141 and 342 interested parties, respectively, including affected landowners; federal, state, and local government agencies; elected officials; environmental and public interest groups; Native American tribes; other interested parties; and local libraries and newspapers. In response to these two notices, the Commission received comments from The U.S. Environmental Protection Agency, the National Park Service, Missouri Department of Conservation, Missouri Department of Natural Resources, Osage Nation Historic Preservation Office, the Miami Tribe of Oklahoma, the Winnebago Tribe, several labor unions, and 13 landowners. The primary issues raised by the commentors include concerns for the proposed crossing of the Mississippi River regarding contamination of a public water source, construction on steep slopes, opposition to the Chautauqua alternative, concerns for impacts on the Upper Mississippi River Conservation Area, land held in conservation easement/habitat programs (specifically the conservation reserve and quail habitat programs), historic trails, Principia College/Three Rivers Community Farm, and safety.

The U.S. Army Corps of Engineers and Illinois Department of Agriculture are cooperating agencies in the preparation of the EA.

Additional Information

In order to receive notification of the issuance of the EA and to keep track of all formal issuances and submittals in specific dockets, the Commission offers a free service called eSubscription. This can reduce the amount of time you spend researching proceedings by automatically providing you with notification of these filings, document summaries, and direct links to the documents. Go to www.ferc.gov/docs-filing/esubscription.asp.

Additional information about the Project is available from the Commission's Office of External Affairs at (866) 208-FERC or on the FERC website (www.ferc.gov). Using the "eLibrary" link, select "General Search" from the eLibrary menu, enter the selected date range and "Docket Number" excluding the last three digits (i.e., CP17-40),

¹ 81 Federal Register 31922

and follow the instructions. For assistance with access to eLibrary, the helpline can be reached at (866) 208-3676, TTY (202) 502-8659, or at FERCOnlineSupport@ferc.gov. The eLibrary link on the FERC website also provides access to the texts of formal documents issued by the Commission, such as orders, notices, and rule makings.

Kimberly D. Bose,
Secretary.

Ali Trunzo

Subject: RE: Spire STL Pipeline Legal Description and Corresponding Plats

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

From: Pricer, Lanny M CIV USARMY CEHQ (US) [mailto:Lanny.M.Pricer@usace.army.mil]
Sent: Thursday, August 10, 2017 1:56 PM
To: Lori Ferry <L.Ferry@gaiconsultants.com>
Cc: Wittenborn, Jaclyn C (Jacki) CIV USARMY CEMVR (US) <Jaclyn.C.Wittenborn@usace.army.mil>; Sullivan, P L (Patti) CIV USARMY CEMVS (US) <Patti.Sullivan@usace.army.mil>; Wilson, Jennifer L CIV (US) <Jennifer.Wilson@usace.army.mil>; Zahner, Diana S CIV USARMY CEMVR (US) <Diana.S.Zahner@usace.army.mil>; Vitale, Joseph A MVR <Joseph.A.Vitale@usace.army.mil>
Subject: FW: Spire STL Pipeline Legal Description and Corresponding Plats

Lori,

Pays to have an expert talk to an expert. If Mark Meador or someone else has questions regarding the survey and description, they should address them to Danny Swain (below). If it's by email, I would appreciate a copy. Look forward to meeting with you next week.

Lanny

Lanny Pricer CEHQ-RAO
Realty Specialist
U.S. Army, Corps of Engineers
St. Louis District, Real Estate Division

(314) 331-8157

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

From: Swain, Danny R CIV USARMY CEMVS (US)
Sent: Thursday, August 10, 2017 11:54 AM
To: Pricer, Lanny M CIV USARMY CEHQ (US) <Lanny.M.Pricer@usace.army.mil>
Subject: Spire STL Pipeline Legal Description and Corresponding Plats

Good afternoon Lanny,

I've reviewed the sketch and description created by Mark A. Meador with Mott MacDonald, LLC and it is legally sufficient as written. However, I'd like to read the description contained in DB 192, Pg 504 to ensure that the POC is at the terminus of the eighth course.

While it is legally sufficient, for me to agree that it should be accept it, please have the Land Surveyor rewrite it using the following suggestions:

- 1) Make the POC either AP16 or AP17
 - a) This is a well-defined and monumented course
- 2) Make the current POT the POB

3) Use the line that connects AP16 to AP17 as the reference line for the basis of bearings even though it's grid based on UTM

a) This line is very easily reproduced if needed and it's monumented

4) Make the current POB the POT

a) The ordinary high water mark

5) In the description it's 25.0' on each side of the centerline, but they have 25.0' and 35.0'; this needs to be corrected

Basically it's what they've produced but in reverse. I feel this is a cleaner approach and will make future retracement surveyors much happier.

In addition to the aforementioned, I'd like for them to address the following concerns:

1) I'd like to see the title read... Legal Description of Gas Pipeline Easement instead of Legal Description of Easements

a) Adding the word gas pipeline should assist with preventing future overburdening

b) It's one easement, therefore, it should be singular

2) Perhaps some language stating the sidelines of said easement being extended or shortened to terminate on the property of the grantor in the description

a) This type of note appears on the sketch, but there's a good chance the sketch and description will get separated

3) The datum in Note 1 should have a datum tag unless they are referencing the 1986 realization

a) For example, NAD83(2011)

4) I don't see a reason for notes 6 and 8 since there's no temporary work spaces

5) Following the same logic, note 7 should have the language concerning temporary work spaces deleted

6) The title block should read...Proposed Gas Pipeline Easement...not Right-of-Way

7) States is misspelled in United States of America MO-SC-228.000 ...

8) The legend needs some modifications:

a) The adjoiners line type is the same as what's shown for the subject property

b) The subject property line type should be bold

c) The centerline of the easement line type or wording does not match (the verbiage should be centerline of easement not pipeline, they are different)

d) Line type for the ordinary high water is missing

e) The Area of Access Road, Area of Temporary Workspace, and Area of Additional Temporary Workspace are not needed

If they have any questions, feel free to have them contact me directly.

Please let me know if you have any questions.

Thanks!

Kind regards,

Danny R. Swain, P.S.M.

Land Surveyor

USACE, St. Louis District

1222 Spruce St.

St. Louis, MO 63103

(ph): 314-331-8364

Danny.R.Swain@usace.army.mil

GAI Consultants, Inc.

Chicago Office
 2300 Cabot Drive, Suite 395
 Lisle, IL 60532
 T 313.301.2001
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	T039
DATE:	8/8/2017
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:

CP17-40-000 and 001
Federal Energy Regulatory Commission
July and August Supplements
Public Information

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

COMMENTS:

ATTACHMENTS:

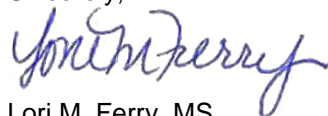
Quantity	Document No.	Rev.	Document Date	Document Description/Title	Status*
1 CD	-	-	August 7, 2017	July Supplement – Public Information and August Supplement – Public Information	-

*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

Sincerely,



Lori M. Ferry, MS
 Environmental Manager



Missouri Department of dnr.mo.gov

NATURAL RESOURCES

Eric R. Greitens, Governor

Carol S. Comer, Director

August 2, 2017

Ed Rodriguez, Readiness Branch
Corps of Engineers, St. Louis District
Attn: CEMVS-OD-R
1222 Spruce Street
St. Louis, Missouri 63103-2833

Re: Spire STL Pipeline LLC Permission No. OD-R-16-020 (COE) St. Charles & St. Louis Counties,
Missouri

Dear Mr. Rodriguez:

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 information provided concerning the above referenced project. The Federal Energy Regulatory Commission (FERC) has already initiated the Section 106 review and comment process, and the SHPO continues to consult. We have no additional comments at this time.

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 Amber Tucker, EPA
Rob Gramke, COE/SL
Chris Koenig, COE/SL

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Transmittal

2300 Cabot Suite 395, Lisle, IL 60532

PROJECT: E160438.00 - Spire - STL Pipeline Proj
E160438.00

DATE: 7/17/2017

SUBJECT: Spire STL Pipeline-FERC July Supplemental Filing

TRANSMITTAL ID: 00054

PURPOSE: For your review and comment

VIA: Info Exchange

FROM

NAME	COMPANY	EMAIL	PHONE
Lori Ferry 2300 Cabot Suite 395 Lisle, IL 60532	GAI Consultants, Inc.	L.Ferry@gaiconsultants.com	+13313012002

TO

NAME	COMPANY	EMAIL	PHONE
Laszewski.virginia@epa.gov		Laszewski.virginia@epa.gov	
joe.phillippe@illinois.gov		joe.phillippe@illinois.gov	
judith.Deel@dnr.mo.gov		judith.Deel@dnr.mo.gov	
summerlin.joe@epa.gov		summerlin.joe@epa.gov	
edward.c.rodriquezrobles@usace.army.mil		edward.c.rodriquezrobles@usace.army.mil	
kristen_lundh@fws.gov		kristen_lundh@fws.gov	
trisha_crabill@fws.gov		trisha_crabill@fws.gov	
david.p.meyer@usace.army.mil		david.p.meyer@usace.army.mil	
terry.savko@illinois.gov		terry.savko@illinois.gov	
darin.lecrone@illinois.gov		darin.lecrone@illinois.gov	
audrey.beres@mdc.mo.gov		audrey.beres@mdc.mo.gov	
keith.shank@illinois.gov		keith.shank@illinois.gov	
rachel.leibowitz@illinois.gov		rachel.leibowitz@illinois.gov	
dan.heacock@illinois.gov		dan.heacock@illinois.gov	
Lanny.M.Pricer@usace.army.mil		Lanny.M.Pricer@usace.army.mil	

REMARKS: Hi Everyone
Please find the links to download all the PUBLIC information associated with Spire STL Pipeline's recent supplemental filing made to FERC on July 14, 2017.

Transmittal

DATE: 7/17/2017
TRANSMITTAL ID: 00054

if you have any trouble downloading these files, please let me know. As with previous filings, electronic copies will be arriving in your offices this week.

Thank you,
Lori Ferry

DESCRIPTION OF CONTENTS

QTY	DATED	TITLE	NOTES
1	7/14/2017	07-14-17 Spire STL_App 1-B_Alignments (1)_PUBLIC.pdf	
1	7/14/2017	07-14-17 Spire STL_App 1-B_Alignments (2)_PUBLIC.pdf	
1	7/14/2017	07-14-17 Spire STL_App 1-F_Facilities_PUBLIC.pdf	
1	7/14/2017	07-14-17 Spire STL_App 2-D_Waterbodies_PUBLIC.pdf	
1	7/14/2017	07-14-17 Spire STL_App 2-F (1)_PUBLIC.pdf	
1	7/14/2017	07-14-17 Spire STL_App 2-F (2)_PUBLIC.pdf	
1	7/14/2017	07-14-17 Spire STL_App 8-D_Land Use_PUBLIC.pdf	
1	7/14/2017	07-14-17 Spire STL_SUPPLEMENT_PUBLIC.pdf	



United States Fish and Wildlife Service

Ali Trunzo

From: Crabill, Trisha <trisha_crabill@fws.gov>
Sent: Wednesday, September 06, 2017 11:45 AM
To: Ferry, Lori M
Cc: Lundh, Kristen; Ali Trunzo
Subject: Re: Spire STL Pipeline-Decurrent False Aster Report

Thanks for the update and providing the report, Lori!

Trisha Crabill
U.S. Fish and Wildlife Service
Ecological Services
101 Park DeVille Drive, Suite A
Columbia, MO 65203
Office: 573-234-2132 x 121
Fax: 573-234-2181

On Thu, Aug 31, 2017 at 4:08 PM, Ferry, Lori M <lmferry@burnsmcd.com> wrote:

Hi Kristen and Trisha,

Please note my new contact information. I have changed firms but have still been retained as Spire's Environmental Project Manager for the Spire STL Pipeline Project.

Please find the survey report for Decurrent False Aster attached for your review and concurrence. Should you have any questions, please do not hesitate to contact us.

Thank you and have a great holiday weekend!

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

GAI Consultants, Inc.

Southpointe Office
 6000 Town Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317
 T 724.873.3545
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	T043
DATE:	9/1/2017
PROJECT NO.	E160438.00

United States Fish and Wildlife Service
Columbia Field Office
101 Park De Ville Drive
Suite A
Columbia, Missouri 65203
Attention: Ms. Trisha Crabill

PROJECT TITLE:

Spire STL Pipeline
Spire STL Pipeline Project
Scott, Greene, and Jersey County, Illinois
and St. Charles and St. Louis Counties, Missouri

SUBJECT:

Botanical Presence/Absence Survey Report

WE ARE SENDING YOU: Paper Documents
VIA: Next Day Delivery
PURPOSE: For Review and Comment

COMMENTS:

ATTACHMENTS:

Quantity	Document No.	Rev.	Document Date	Document Description/Title	Status*
1	-	-	August 2017	Botanical Presence/Absence Survey Report for Decurrent False Aster (<i>Boltonia decurrens</i>)	-

*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. Kristen Lundh	United States Fish and Wildlife Service, Rock Island Field Office	Y	Y
Ms. Lori Ferry	Burns & McDonnell	Y	N

Sincerely,



Robin Weissert
 Assistant Environmental Manager

GAI Consultants, Inc.

Southpointe Office
 6000 Town Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317
 T 724.873.3545
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	T044
DATE:	9/1/2017
PROJECT NO.	E160438.00

United States Fish and Wildlife Service
Rock Island Field Office
 1511 47th Avenue
 Moline, Illinois 61265
 Attention: Ms. Kristen Lundh

PROJECT TITLE:

Spire STL Pipeline
Spire STL Pipeline Project
Scott, Greene, and Jersey County, Illinois
and St. Charles and St. Louis Counties, Missouri

SUBJECT:

Botanical Presence/Absence Survey Report

WE ARE SENDING YOU: Paper Documents
VIA: Next Day Delivery
PURPOSE: For Review and Comment

COMMENTS:

ATTACHMENTS:

Quantity	Document No.	Rev.	Document Date	Document Description/Title	Status*
1	-	-	August 2017	Botanical Presence/Absence Survey Report for Decurrent False Aster (<i>Boltonia decurrens</i>)	-

*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. Trisha Crabill	United States Fish and Wildlife Service, Columbia Field Office	Y	Y
Ms. Lori Ferry	Burns & McDonnell	Y	N

Sincerely,



Robin Weissert
 Assistant Environmental Manager

Ali Trunzo

From: Lori Ferry
Sent: Tuesday, August 15, 2017 12:19 PM
To: Ali Trunzo
Subject: FW: Project: E160438.00 - Spire - STL Pipeline Proj - File Transfer - Spire STL Pipeline-Plant Reports and Mist Net Survey Report

From: Lundh, Kristen [mailto:kristen_lundh@fws.gov]
Sent: Tuesday, August 15, 2017 11:17 AM
To: Lori Ferry <L.Ferry@gaiconsultants.com>
Subject: Re: Project: E160438.00 - Spire - STL Pipeline Proj - File Transfer - Spire STL Pipeline-Plant Reports and Mist Net Survey Report

Lori,

I have reviewed the Eastern Prairie Fringed Orchid Survey Report for the Spire Pipeline and agree with the findings included. There was no suitable habitat for eastern prairie fringed orchid in any of the areas surveyed and no populations of eastern prairie fringed orchid within the alignment for the project.

Kristen Lundh

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 Tue, Aug 15, 2017 at 11:02 AM, Lori Ferry <L.Ferry@gaiconsultants.com> wrote:

Thank you!

Hopefully you saw but the EPO report was right behind this report in the PDF!

Thanks!

Lori

Ali Trunzo

From: Lori Ferry
Sent: Tuesday, August 15, 2017 12:02 PM
To: Ali Trunzo
Subject: FW: Project: E160438.00 - Spire - STL Pipeline Proj - File Transfer - Spire STL Pipeline-Plant Reports and Mist Net Survey Report

From: Lundh, Kristen [mailto:kristen_lundh@fws.gov]
Sent: Tuesday, August 15, 2017 11:00 AM
To: Lori Ferry <L.Ferry@gaiconsultants.com>
Subject: Re: Project: E160438.00 - Spire - STL Pipeline Proj - File Transfer - Spire STL Pipeline-Plant Reports and Mist Net Survey Report

Lori,

I have reviewed the plan survey report Botanical Presence/Absence Survey Report for Mead's Milkweed (*Asclepias meadii*) and Large Ground-Plum (*Astragalus crassicaarpus* var. *trichocalyx*) and agree with the findings included. There was no suitable habitat for Mead's milkweed in any of the areas surveyed and no populations of Meed's milkweed within the alignment for the project.

Kristen Lundh

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 Tue, Aug 15, 2017 at 9:50 AM, Lori Ferry <L.Ferry@gaiconsultants.com> wrote:

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](#)

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

From: Lori Ferry (GAI Consultants, Inc.)
To: kristen_lundh@fws.gov
CC:

Ali Trunzo

From: Lori Ferry
Sent: Tuesday, August 15, 2017 11:32 AM
To: Lundh, Kristen
Cc: Ali Trunzo
Subject: RE: Spire STL Pipeline-Bald Eagle Survey Results

Hi Kristen

The email should have reached you by now. Please let me know if you did not receive the files!

Thanks,
Lori

From: Lundh, Kristen [mailto:kristen_lundh@fws.gov]
Sent: Tuesday, August 15, 2017 9:07 AM
To: Lori Ferry <L.Ferry@gaiconsultants.com>
Subject: Re: Spire STL Pipeline-Bald Eagle Survey Results

Lori,

Was the EPFO report sent in an email from you or someone else? I have the email from July 13 about the one spot you asked about EPFO which I replied to. I don't see a final report to look at in my emails.

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, Aug 10, 2017 at 11:46 AM, Lori Ferry <L.Ferry@gaiconsultants.com> wrote:

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



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Ali Trunzo

From: Lori Ferry
Sent: Monday, August 14, 2017 4:03 PM
Cc: Ali Trunzo; Douglas Sipe; Lori Ferry
Subject: Spire STL Pipeline Project-FERC Notice of Schedule
Attachments: 8-3-17 Spire STL_FERC Notice of Schedule.docx

Hello,

Please take notice that the Federal Energy Regulatory Commission (FERC) has issued its Notice of Schedule pertaining to the Spire STL Pipeline Project on August 3, 2017 and expects to issue the Environmental Assessment on or before September 29, 2017.

A copy of the Notice is attached for your reference.

Thank you,
Lori Ferry

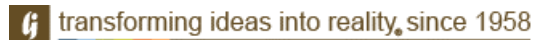
Lori Ferry
Environmental Manager-Energy Business Unit

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



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UNITED STATES OF AMERICA
FEDERAL ENERGY REGULATORY COMMISSION

Spire STL Pipeline Company, LLC

Docket Nos. CP17-40-000
CP17-40-001

NOTICE OF SCHEDULE FOR ENVIRONMENTAL REVIEW
OF THE SPIRE STL PIPELINE PROJECT

(August 3, 2017)

On January 26, 2017, Spire STL Pipeline, LLC (Spire) filed an application in Docket No. CP17-40-000 requesting a Certificate of Public Convenience and Necessity pursuant to Section 7(c) of the Natural Gas Act to construct and operate certain natural gas pipeline facilities. On April 21, 2017, Spire amended its application to incorporate various changes in project routing. The proposed project is known as the Spire STL Pipeline Project (Project), and would link the greater St. Louis Region to a new supply of gas, through transport of about 400,000 dekatherms per day of natural gas service.

On February 6, 2017, the Federal Energy Regulatory Commission (Commission or FERC) issued its Notice of Application for the Project. Among other things, that notice alerted agencies issuing federal authorizations of the requirement to complete all necessary reviews and to reach a final decision on a request for a federal authorization within 90 days of the date of issuance of the Commission staff's Environmental Assessment (EA) for the Project. This instant notice identifies the FERC staff's planned schedule for the completion of the EA for the Project.

Schedule for Environmental Review

Issuance of EA	September 29, 2017
90-day Federal Authorization Decision Deadline	December 28, 2017

If a schedule change becomes necessary, additional notice will be provided so that the relevant agencies are kept informed of the Project's progress.

Project Description

The proposed Project includes (i) about 65 miles of new 24-inch-diameter pipeline in Scott, Greene, and Jersey Counties, Illinois and St. Charles and St. Louis Counties, Missouri, (ii) a new meter station in Scott County, Illinois, (iii) two new meter stations in St. Louis County, Missouri, and (iv) additional piping and pigging facilities at each of the three meter stations.

Background

During the Commission's pre-filing process, on October 26, 2016, the Commission issued a *Notice of Intent to Prepare an Environmental Assessment for the Planned Spire STL Pipeline Project, Request for Comments on Environmental Issues, and Notice of Public Scoping Sessions*. Subsequent to this notice, Spire filed a potential pipeline route alternative in St. Louis County, Missouri. Therefore, on March 3, 2017, the Commission issued a *Supplemental Notice of Intent to Prepare an Environmental Assessment for the Proposed Spire STL Pipeline Project and Request for Comments on Environmental Issues*. These two notices were published in the Federal Register¹ and mailed to 1,141 and 342 interested parties, respectively, including affected landowners; federal, state, and local government agencies; elected officials; environmental and public interest groups; Native American tribes; other interested parties; and local libraries and newspapers. In response to these two notices, the Commission received comments from The U.S. Environmental Protection Agency, the National Park Service, Missouri Department of Conservation, Missouri Department of Natural Resources, Osage Nation Historic Preservation Office, the Miami Tribe of Oklahoma, the Winnebago Tribe, several labor unions, and 13 landowners. The primary issues raised by the commentors include concerns for the proposed crossing of the Mississippi River regarding contamination of a public water source, construction on steep slopes, opposition to the Chautauqua alternative, concerns for impacts on the Upper Mississippi River Conservation Area, land held in conservation easement/habitat programs (specifically the conservation reserve and quail habitat programs), historic trails, Principia College/Three Rivers Community Farm, and safety.

The U.S. Army Corps of Engineers and Illinois Department of Agriculture are cooperating agencies in the preparation of the EA.

Additional Information

In order to receive notification of the issuance of the EA and to keep track of all formal issuances and submittals in specific dockets, the Commission offers a free service called eSubscription. This can reduce the amount of time you spend researching proceedings by automatically providing you with notification of these filings, document summaries, and direct links to the documents. Go to www.ferc.gov/docs-filing/esubscription.asp.

Additional information about the Project is available from the Commission's Office of External Affairs at (866) 208-FERC or on the FERC website (www.ferc.gov). Using the "eLibrary" link, select "General Search" from the eLibrary menu, enter the selected date range and "Docket Number" excluding the last three digits (i.e., CP17-40),

¹ 81 Federal Register 31922

and follow the instructions. For assistance with access to eLibrary, the helpline can be reached at (866) 208-3676, TTY (202) 502-8659, or at FERCOnlineSupport@ferc.gov. The eLibrary link on the FERC website also provides access to the texts of formal documents issued by the Commission, such as orders, notices, and rule makings.

Kimberly D. Bose,
Secretary.

Ali Trunzo

From: Lori Ferry
Sent: Thursday, August 10, 2017 12:46 PM
To: Lundh, Kristen
Cc: Ali Trunzo
Subject: Spire STL Pipeline-Bald Eagle Survey Results
Attachments: Spire - Bald Eagle Report Table 1_Aug 2017(1).pdf

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



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Ali Trunzo

Subject: RE: Spire STL Pipeline-Examples

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

Sent: Friday, August 04, 2017 11:50 AM

To: Lori Ferry <L.Ferry@gaiconsultants.com>

Subject: Re: Spire STL Pipeline-Examples

Hi Lori,

One additional thought I had. Besides preservation, the Land Trust may have a property they already own that is currently in agriculture and needs tree planting done to restore the habitat. You might consider working with them to purchase trees if they have a site that needs it. That way there wouldn't need to be additional land purchased, but there would be a component of restoration of wooded habitat included in your plan.

As I said, I will be gone next week but if something comes up please feel free to call or email Kraig.

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 Mon, Jul 24, 2017 at 3:12 PM, Lori Ferry <L.Ferry@gaiconsultants.com> wrote:

Hi Kraig and Kristen-hope you are well.

I wanted to follow up with you. At our meeting back in June you had indicated that you might have some examples of mitigation that has been completed on other projects. Do you have any of these that you might be able to send over to us to review?

Thank you much,

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

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Transmittal

2300 Cabot Suite 395, Lisle, IL 60532

PROJECT: E160438.00 - Spire - STL Pipeline Proj
E160438.00

DATE: 7/17/2017

SUBJECT: Spire STL Pipeline-Species Specific Survey Reports

TRANSMITTAL ID: 00055

PURPOSE: For your review and comment

VIA: Info Exchange

FROM

NAME	COMPANY	EMAIL	PHONE
Lori Ferry 2300 Cabot Suite 395 Lisle, IL 60532	GAI Consultants, Inc.	L.Ferry@gaiconsultants.com	+13313012002

TO

NAME	COMPANY	EMAIL	PHONE
kristen_lundh@fws.gov		kristen_lundh@fws.gov	
trisha_crabill@fws.gov		trisha_crabill@fws.gov	

REMARKS: Hi Kristen and Trisha
 Wanted to provide you all with the electronic files of our recently conducted species-specific reports for the Spire STL Pipeline. I've also included the Biological Assessment that was submitted to FERC.
 Hardcopies of these documents should arrive in your offices this week.

Thanks,
 Lori Ferry

DESCRIPTION OF CONTENTS

QTY	DATED	TITLE	NOTES
1	7/14/2017	07-13-17 Meads Milkweed and Large Ground Plum Botanical Report.pdf	
1	7/14/2017	2016-0996.3B Spire Pipeline Orchid Survey Report.pdf	
1	7/11/2017	2017-07-11_Mist Net Survey Report_Final_Spire STL_r.pdf	
1	7/14/2017	2017-07-14_Biological Assessment_Spire STLr.pdf	



Transmittal

2300 Cabot Suite 395, Lisle, IL 60532

PROJECT: E160438.00 - Spire - STL Pipeline Proj
E160438.00

DATE: 7/17/2017

SUBJECT: Spire STL Pipeline-FERC July Supplemental Filing

TRANSMITTAL ID: 00054

PURPOSE: For your review and comment

VIA: Info Exchange

FROM

NAME	COMPANY	EMAIL	PHONE
Lori Ferry 2300 Cabot Suite 395 Lisle, IL 60532	GAI Consultants, Inc.	L.Ferry@gaiconsultants.com	+13313012002

TO

NAME	COMPANY	EMAIL	PHONE
Laszewski.virginia@epa.gov		Laszewski.virginia@epa.gov	
joe.phillippe@illinois.gov		joe.phillippe@illinois.gov	
judith.Deel@dnr.mo.gov		judith.Deel@dnr.mo.gov	
summerlin.joe@epa.gov		summerlin.joe@epa.gov	
edward.c.rodriquezrobles@usace.army.mil		edward.c.rodriquezrobles@usace.army.mil	
kristen_lundh@fws.gov		kristen_lundh@fws.gov	
trisha_crabill@fws.gov		trisha_crabill@fws.gov	
david.p.meyer@usace.army.mil		david.p.meyer@usace.army.mil	
terry.savko@illinois.gov		terry.savko@illinois.gov	
darin.lecrone@illinois.gov		darin.lecrone@illinois.gov	
audrey.beres@mdc.mo.gov		audrey.beres@mdc.mo.gov	
keith.shank@illinois.gov		keith.shank@illinois.gov	
rachel.leibowitz@illinois.gov		rachel.leibowitz@illinois.gov	
dan.heacock@illinois.gov		dan.heacock@illinois.gov	
Lanny.M.Pricer@usace.army.mil		Lanny.M.Pricer@usace.army.mil	

REMARKS: Hi Everyone
Please find the links to download all the PUBLIC information associated with Spire STL Pipeline's recent supplemental filing made to FERC on July 14, 2017.

Transmittal

DATE: 7/17/2017
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Thank you,
Lori Ferry

DESCRIPTION OF CONTENTS

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1	7/14/2017	07-14-17 Spire STL_App 1-B_Alignments (1)_PUBLIC.pdf	
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1	7/14/2017	07-14-17 Spire STL_App 2-D_Waterbodies_PUBLIC.pdf	
1	7/14/2017	07-14-17 Spire STL_App 2-F (1)_PUBLIC.pdf	
1	7/14/2017	07-14-17 Spire STL_App 2-F (2)_PUBLIC.pdf	
1	7/14/2017	07-14-17 Spire STL_App 8-D_Land Use_PUBLIC.pdf	
1	7/14/2017	07-14-17 Spire STL_SUPPLEMENT_PUBLIC.pdf	



National Oceanic and Atmospheric Administration

Ali Trunzo

From: Lori Ferry
Sent: Monday, August 14, 2017 4:03 PM
Cc: Ali Trunzo; Douglas Sipe; Lori Ferry
Subject: Spire STL Pipeline Project-FERC Notice of Schedule
Attachments: 8-3-17 Spire STL_FERC Notice of Schedule.docx

Hello,

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A copy of the Notice is attached for your reference.

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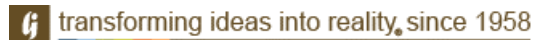
Lori Ferry
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UNITED STATES OF AMERICA
FEDERAL ENERGY REGULATORY COMMISSION

Spire STL Pipeline Company, LLC

Docket Nos. CP17-40-000
CP17-40-001

NOTICE OF SCHEDULE FOR ENVIRONMENTAL REVIEW
OF THE SPIRE STL PIPELINE PROJECT

(August 3, 2017)

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Issuance of EA	September 29, 2017
90-day Federal Authorization Decision Deadline	December 28, 2017

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¹ 81 Federal Register 31922

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Kimberly D. Bose,
Secretary.



United States Environmental Protection Agency

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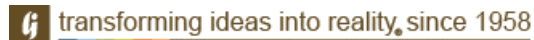
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Secretary.

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Chicago Office
 2300 Cabot Drive, Suite 395
 Lisle, IL 60532
 T 313.301.2001
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	T040
DATE:	8/8/2017
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:

CP17-40-000 and 001
Federal Energy Regulatory Commission
July and August Supplements
Public Information

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

COMMENTS:

ATTACHMENTS:

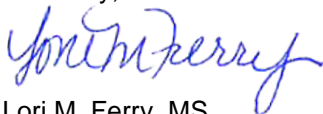
Quantity	Document No.	Rev.	Document Date	Document Description/Title	Status*
1 CD	-	-	August 7, 2017	July Supplement – Public Information and August Supplement – Public Information	-

*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

Sincerely,



Lori M. Ferry, MS
 Environmental Manager

GAI Consultants, Inc.

Chicago Office
 2300 Cabot Drive, Suite 395
 Lisle, IL 60532
 T 313.301.2001
www.gaiconsultants.com

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TRANSMITTAL NO.	T040
DATE:	8/8/2017
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

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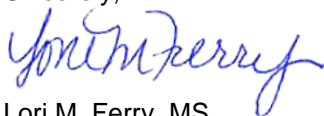
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Sincerely,



Lori M. Ferry, MS
 Environmental Manager



Transmittal

2300 Cabot Suite 395, Lisle, IL 60532

PROJECT: E160438.00 - Spire - STL Pipeline Proj
E160438.00

DATE: 7/17/2017

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United States Department of Agriculture

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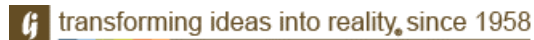
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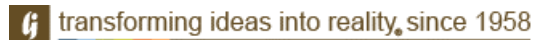
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FEDERAL ENERGY REGULATORY COMMISSION

Spire STL Pipeline Company, LLC

Docket Nos. CP17-40-000
CP17-40-001

NOTICE OF SCHEDULE FOR ENVIRONMENTAL REVIEW
OF THE SPIRE STL PIPELINE PROJECT

(August 3, 2017)

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90-day Federal Authorization Decision Deadline	December 28, 2017

If a schedule change becomes necessary, additional notice will be provided so that the relevant agencies are kept informed of the Project's progress.

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Kimberly D. Bose,
Secretary.



Illinois Department of Natural Resources

Ali Trunzo

Subject: Spire STL Pipeline Project-FERC Notice of Schedule

From: Lori Ferry [<mailto:L.Ferry@gaiconsultants.com>]
Sent: Friday, August 18, 2017 2:27 PM
Cc: Ali Trunzo <A.Trunzo@gaiconsultants.com>
Subject: Spire STL Pipeline Project-FERC Notice of Schedule

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Thank you,
Lori Ferry

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



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Kimberly D. Bose,
Secretary.

Ali Trunzo

From: Lori Ferry
Sent: Monday, August 14, 2017 4:03 PM
Cc: Ali Trunzo; Douglas Sipe; Lori Ferry
Subject: Spire STL Pipeline Project-FERC Notice of Schedule
Attachments: 8-3-17 Spire STL_FERC Notice of Schedule.docx

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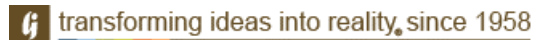
Lori Ferry
Environmental Manager-Energy Business Unit

GAI Consultants

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Kimberly D. Bose,
Secretary.



Illinois Department of Natural Resources

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

Bruce Rauner, Governor
Wayne A. Rosenthal, Director

RECEIVED
JUL 31 2017
GAI CONSULTANTS INC.
NO

July 24, 2017

SUBJECT: Addendum II 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 July 14, 2017 informing us of changes made to your 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
July 24, 2017
Page 2

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

Sincerely,

A handwritten signature in black ink, appearing to read 'S. Altman', written over a light blue circular stamp.

Stephen C. Altman, P.E., CFM
Chief, Downstate Regulatory Programs Section

SCA:JST:cjp

Enclosure

cc: GAI Consultants, Inc. (Jayme Fuller) ✓
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)



Transmittal

2300 Cabot Suite 395, Lisle, IL 60532

PROJECT: E160438.00 - Spire - STL Pipeline Proj
E160438.00

DATE: 7/17/2017

SUBJECT: Spire STL Pipeline-FERC July Supplemental Filing

TRANSMITTAL ID: 00054

PURPOSE: For your review and comment

VIA: Info Exchange

FROM

NAME	COMPANY	EMAIL	PHONE
Lori Ferry 2300 Cabot Suite 395 Lisle, IL 60532	GAI Consultants, Inc.	L.Ferry@gaiconsultants.com	+13313012002

TO

NAME	COMPANY	EMAIL	PHONE
Laszewski.virginia@epa.gov		Laszewski.virginia@epa.gov	
joe.phillippe@illinois.gov		joe.phillippe@illinois.gov	
judith.Deel@dnr.mo.gov		judith.Deel@dnr.mo.gov	
summerlin.joe@epa.gov		summerlin.joe@epa.gov	
edward.c.rodriquezrobles@usace.army.mil		edward.c.rodriquezrobles@usace.army.mil	
kristen_lundh@fws.gov		kristen_lundh@fws.gov	
trisha_crabill@fws.gov		trisha_crabill@fws.gov	
david.p.meyer@usace.army.mil		david.p.meyer@usace.army.mil	
terry.savko@illinois.gov		terry.savko@illinois.gov	
darin.lecrone@illinois.gov		darin.lecrone@illinois.gov	
audrey.beres@mdc.mo.gov		audrey.beres@mdc.mo.gov	
keith.shank@illinois.gov		keith.shank@illinois.gov	
rachel.leibowitz@illinois.gov		rachel.leibowitz@illinois.gov	
dan.heacock@illinois.gov		dan.heacock@illinois.gov	
Lanny.M.Pricer@usace.army.mil		Lanny.M.Pricer@usace.army.mil	

REMARKS: Hi Everyone
Please find the links to download all the PUBLIC information associated with Spire STL Pipeline's recent supplemental filing made to FERC on July 14, 2017.

Transmittal

DATE: 7/17/2017
TRANSMITTAL ID: 00054

if you have any trouble downloading these files, please let me know. As with previous filings, electronic copies will be arriving in your offices this week.

Thank you,
Lori Ferry

DESCRIPTION OF CONTENTS

QTY	DATED	TITLE	NOTES
1	7/14/2017	07-14-17 Spire STL_App 1-B_Alignments (1)_PUBLIC.pdf	
1	7/14/2017	07-14-17 Spire STL_App 1-B_Alignments (2)_PUBLIC.pdf	
1	7/14/2017	07-14-17 Spire STL_App 1-F_Facilities_PUBLIC.pdf	
1	7/14/2017	07-14-17 Spire STL_App 2-D_Waterbodies_PUBLIC.pdf	
1	7/14/2017	07-14-17 Spire STL_App 2-F (1)_PUBLIC.pdf	
1	7/14/2017	07-14-17 Spire STL_App 2-F (2)_PUBLIC.pdf	
1	7/14/2017	07-14-17 Spire STL_App 8-D_Land Use_PUBLIC.pdf	
1	7/14/2017	07-14-17 Spire STL_SUPPLEMENT_PUBLIC.pdf	



Illinois Department of Agriculture

Ali Trunzo

From: Lori Ferry
Sent: Monday, August 14, 2017 4:03 PM
Cc: Ali Trunzo; Douglas Sipe; Lori Ferry
Subject: Spire STL Pipeline Project-FERC Notice of Schedule
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Please find the links to download all the PUBLIC information associated with Spire STL Pipeline's recent supplemental filing made to FERC on July 14, 2017.

Transmittal

DATE: 7/17/2017
TRANSMITTAL ID: 00054

if you have any trouble downloading these files, please let me know. As with previous filings, electronic copies will be arriving in your offices this week.

Thank you,
Lori Ferry

DESCRIPTION OF CONTENTS

QTY	DATED	TITLE	NOTES
1	7/14/2017	07-14-17 Spire STL_App 1-B_Alignments (1)_PUBLIC.pdf	
1	7/14/2017	07-14-17 Spire STL_App 1-B_Alignments (2)_PUBLIC.pdf	
1	7/14/2017	07-14-17 Spire STL_App 1-F_Facilities_PUBLIC.pdf	
1	7/14/2017	07-14-17 Spire STL_App 2-D_Waterbodies_PUBLIC.pdf	
1	7/14/2017	07-14-17 Spire STL_App 2-F (1)_PUBLIC.pdf	
1	7/14/2017	07-14-17 Spire STL_App 2-F (2)_PUBLIC.pdf	
1	7/14/2017	07-14-17 Spire STL_App 8-D_Land Use_PUBLIC.pdf	
1	7/14/2017	07-14-17 Spire STL_SUPPLEMENT_PUBLIC.pdf	



Illinois Historic Preservation Agency

Ali Trunzo

From: Eric Scuoteguazza
Sent: Wednesday, October 04, 2017 2:13 PM
To: Blankenship, Tina
Cc: Ali Trunzo; Robin Weissert; Angela Hood
Subject: RE: Spire Addendum II & III reports

Thanks, Tina. I appreciate the response. At first glance, I think your message will makes sense, but I'll give you a call if I have any questions.

From: Blankenship, Tina [mailto:Tina.Blankenship@Illinois.gov]
Sent: Wednesday, October 04, 2017 12:49 PM
To: Eric Scuoteguazza <e.scuoteguazza@gaiconsultants.com>
Subject: Spire Addendum II & III reports

Hi Eric

I received your Addendum III for the Spire project and unfortunately we are going to need new copies of the reports and CDs for both Addendums II & III.

While I was looking for information on the site forms to log these into our database they are all missing the E or W on the Range. They all have the Section and Township, but none of them have the E or W on the Range.

I have also gone through Addendum II after discovering this mistake on III and have found it is the same way.

I have also discovered that you have separated the two parts/books to each addendum on the CD. The entire addendum has to be one PDF document on the CD. We would prefer you start the PDF with the book with the ASSR form on top.

So, unfortunately we will need new hard copies of Addendums II & III and new CDs for each that contains just one PDF of the entire document rather than the two as they are now (one CD for each Addendum). Please keep in mind, the book that starts with the cover page is fine, we will only need new hard copies of the books that start with the ASSR form. If this isn't clear please give me a call. Sometimes what is in my head doesn't always come out on the paper the way it should.

The Phase II reports that were sent in for Sites 11JY751 & 765 are fine and have been reviewed and are ready for a letter. I will try to get those letters ready either today or tomorrow and get those out to you.

Sorry for the confusion/delay!!

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
217/785-4997*

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.



September 29, 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 III
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 III 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 III report includes results from a supplemental Phase I cultural resource survey conducted from August 8 to 23, 2017 within two land parcels where survey permission has been granted since the last Phase I field session concluded in June 2017. 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 1.7 kilometers (1.1 miles) of proposed pipeline route, a 30.48-meter- (100-foot-) wide study corridor centered on 1.52 kilometers (0.95 mile) of a proposed access road, and the footprint of a proposed additional temporary workspace (0.19-hectares [0.47 acres] of which is located outside the proposed pipeline study corridor). To avoid damages to active agricultural fields, a reduced, approximately 19-meter- (62-foot-) wide study corridor was surveyed along approximately 260 meters (856 feet) of the proposed access road. 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 20.76 hectares (51.3 acres).

Based on a review of the supplemental APE within the Illinois portion of the proposed Project, one previously unrecorded architectural/historical resource, a late nineteenth century tramway, was identified in the supplemental APE. Due to a lack of integrity, GAI recommends that the tramway is Not Eligible for listing in the NRHP.

In total, 14 archaeological sites and three isolated finds were identified during the supplemental Phase I survey. Of these 14 sites, one was previously recorded: Site 11JY666. Two of the 14 sites are recommended Potentially Eligible for listing in the NRHP: Sites 11JY789 and 11JY799. GAI recommends avoidance or Phase II eligibility evaluations for both sites. The remaining 12 sites and three isolated finds are recommended Not Eligible for NRHP listing, and no further work is recommended for these resources.

Prior reports submitted to the Illinois Historic Preservation Agency (IHPA) for the proposed Project include an initial Phase I Archaeological Survey and Architectural and Historical Resources Reconnaissance Survey Report sent to your office on January 25, 2017 (Scuoteguazza et al. 2017a), and an Addendum I Phase I Archaeological Survey Report submitted on April 21, 2017 (Scuoteguazza et al. 2017b). In a letter dated June 22, 2017, the IHPA concurred with the recommendations presented in the initial Phase I and Addendum I Reports. A Phase I Addendum II Report (Scuoteguazza et al. 2017c) and Phase II Reports for Sites 11JY751 (Scuoteguazza 2017) and 11JY765 (Scuoteguazza and Munford 2017) were submitted to the IHPA on July 14, 2017. Additionally, updated Project figures were submitted to the IHPA on August 9, 2017. To date, the IHPA has not responded to the Addendum II Report or the Phase II Reports for Sites 11JY751 and 11JY765.

GAI, on behalf of Spire, is requesting your review and concurrence of the attached Phase I Addendum III Report. GAI is also requesting your review and concurrence of the Phase I Addendum II Report and Phase II Reports for Sites 11JY751 and 11JY765.

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/gmg

Attachments: Attachment 1 (Technical Report - Addendum III Report, Phase I Cultural Resource Survey); Attachment 2 (Archaeological Survey Short Report)

Reference

Scuoteguazza, Eric P.

2017 *Technical Report Phase II Archaeological Testing at Site 11JY751*. GAI Consultants, Inc.
Submitted to Spire STL Pipeline LLC. Copies available from the Illinois Historic Preservation Agency,
Springfield, Illinois.

Scuoteguazza, Eric P. and Barbara A. Munford

2017 *Technical Report Phase II Archaeological Testing at Site 11JY765*. GAI Consultants, Inc.
Submitted to Spire STL Pipeline LLC. Copies available from the Illinois Historic Preservation Agency,
Springfield, Illinois.

Scuoteguazza, Eric P., Richard B. Duncan, Jonathan Glenn, Angela Hood, Meghan Mooney, Susan Pugh-Rose, Evelyn M. Tidlow, and Elizabeth Williams

2017a *Technical Report, Phase I Archaeological Survey and Architectural and Historical Resources Reconnaissance Survey*. GAI Consultants, Inc. Submitted to Spire STL Pipeline LLC. Copies available from the Illinois Historic Preservation Agency, Springfield, Illinois.

Scuoteguazza, Eric P., Lee Arco, Angela Hood, Susan Pugh-Rose, and Sam Williams

2017b *Technical Report - Addendum I Phase I Archaeological Survey*. GAI Consultants, Inc. Submitted to Spire STL Pipeline LLC. Copies available from the Illinois Historic Preservation Agency, Springfield.

Scuoteguazza, Eric P., Angela Hood, and Robert J. Sabo

2017c *Technical Report - Addendum II Phase I Archaeological Survey*. GAI Consultants, Inc. Submitted to Spire STL Pipeline LLC. Copies available from the Illinois Historic Preservation Agency, Springfield.

telephone log



gai consultants

Date: 8/22/2017

Project / Admin. No.: Spire Pipeline / E160438.00

Call From: Eric P. Scuteguazza

Company: GAI Consultants

Phone No.: (412) 399-5188

Call To: Joseph Phillippe

Company: Illinois Historic Preservation Agency

Phone No.: (217) 785-5031

Subject: Phase I and Phase II cultural studies

cc:

Summary of Discussion, Decisions, and Commitments:

I called Mr. Phillippe to discuss the following topics:

1) Methodology of planned Phase II evaluation activities on a prehistoric site located within Principia property.

We discussed GAI's recent Phase I results at this site, as well as work previously done by the college in the same location. He agreed to our methodology of a Phase II shovel test program, augmented by limited test units. Given the soil stratigraphy and setting, he also agreed to forego backhoe stripping, and agreed that feature exploration via test units was acceptable.

2) Status of review of our Phase I Addendum 2 report submitted in July, as well as review of two Phase II evaluation reports.

I had reminded him that we are awaiting his comments on the above-mentioned three reports. He confirmed that they are in his possession, and he anticipated review and response within the next 15 days.

Ali Trunzo

From: Lori Ferry
Sent: Monday, August 14, 2017 4:03 PM
Cc: Ali Trunzo; Douglas Sipe; Lori Ferry
Subject: Spire STL Pipeline Project-FERC Notice of Schedule
Attachments: 8-3-17 Spire STL_FERC Notice of Schedule.docx

Hello,

Please take notice that the Federal Energy Regulatory Commission (FERC) has issued its Notice of Schedule pertaining to the Spire STL Pipeline Project on August 3, 2017 and expects to issue the Environmental Assessment on or before September 29, 2017.

A copy of the Notice is attached for your reference.

Thank you,
Lori Ferry

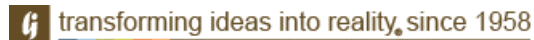
Lori Ferry
Environmental Manager-Energy Business Unit

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



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UNITED STATES OF AMERICA
FEDERAL ENERGY REGULATORY COMMISSION

Spire STL Pipeline Company, LLC

Docket Nos. CP17-40-000
CP17-40-001

NOTICE OF SCHEDULE FOR ENVIRONMENTAL REVIEW
OF THE SPIRE STL PIPELINE PROJECT

(August 3, 2017)

On January 26, 2017, Spire STL Pipeline, LLC (Spire) filed an application in Docket No. CP17-40-000 requesting a Certificate of Public Convenience and Necessity pursuant to Section 7(c) of the Natural Gas Act to construct and operate certain natural gas pipeline facilities. On April 21, 2017, Spire amended its application to incorporate various changes in project routing. The proposed project is known as the Spire STL Pipeline Project (Project), and would link the greater St. Louis Region to a new supply of gas, through transport of about 400,000 dekatherms per day of natural gas service.

On February 6, 2017, the Federal Energy Regulatory Commission (Commission or FERC) issued its Notice of Application for the Project. Among other things, that notice alerted agencies issuing federal authorizations of the requirement to complete all necessary reviews and to reach a final decision on a request for a federal authorization within 90 days of the date of issuance of the Commission staff's Environmental Assessment (EA) for the Project. This instant notice identifies the FERC staff's planned schedule for the completion of the EA for the Project.

Schedule for Environmental Review

Issuance of EA	September 29, 2017
90-day Federal Authorization Decision Deadline	December 28, 2017

If a schedule change becomes necessary, additional notice will be provided so that the relevant agencies are kept informed of the Project's progress.

Project Description

The proposed Project includes (i) about 65 miles of new 24-inch-diameter pipeline in Scott, Greene, and Jersey Counties, Illinois and St. Charles and St. Louis Counties, Missouri, (ii) a new meter station in Scott County, Illinois, (iii) two new meter stations in St. Louis County, Missouri, and (iv) additional piping and pigging facilities at each of the three meter stations.

Background

During the Commission's pre-filing process, on October 26, 2016, the Commission issued a *Notice of Intent to Prepare an Environmental Assessment for the Planned Spire STL Pipeline Project, Request for Comments on Environmental Issues, and Notice of Public Scoping Sessions*. Subsequent to this notice, Spire filed a potential pipeline route alternative in St. Louis County, Missouri. Therefore, on March 3, 2017, the Commission issued a *Supplemental Notice of Intent to Prepare an Environmental Assessment for the Proposed Spire STL Pipeline Project and Request for Comments on Environmental Issues*. These two notices were published in the Federal Register¹ and mailed to 1,141 and 342 interested parties, respectively, including affected landowners; federal, state, and local government agencies; elected officials; environmental and public interest groups; Native American tribes; other interested parties; and local libraries and newspapers. In response to these two notices, the Commission received comments from The U.S. Environmental Protection Agency, the National Park Service, Missouri Department of Conservation, Missouri Department of Natural Resources, Osage Nation Historic Preservation Office, the Miami Tribe of Oklahoma, the Winnebago Tribe, several labor unions, and 13 landowners. The primary issues raised by the commentors include concerns for the proposed crossing of the Mississippi River regarding contamination of a public water source, construction on steep slopes, opposition to the Chautauqua alternative, concerns for impacts on the Upper Mississippi River Conservation Area, land held in conservation easement/habitat programs (specifically the conservation reserve and quail habitat programs), historic trails, Principia College/Three Rivers Community Farm, and safety.

The U.S. Army Corps of Engineers and Illinois Department of Agriculture are cooperating agencies in the preparation of the EA.

Additional Information

In order to receive notification of the issuance of the EA and to keep track of all formal issuances and submittals in specific dockets, the Commission offers a free service called eSubscription. This can reduce the amount of time you spend researching proceedings by automatically providing you with notification of these filings, document summaries, and direct links to the documents. Go to www.ferc.gov/docs-filing/esubscription.asp.

Additional information about the Project is available from the Commission's Office of External Affairs at (866) 208-FERC or on the FERC website (www.ferc.gov). Using the "eLibrary" link, select "General Search" from the eLibrary menu, enter the selected date range and "Docket Number" excluding the last three digits (i.e., CP17-40),

¹ 81 Federal Register 31922

and follow the instructions. For assistance with access to eLibrary, the helpline can be reached at (866) 208-3676, TTY (202) 502-8659, or at FERCOnlineSupport@ferc.gov. The eLibrary link on the FERC website also provides access to the texts of formal documents issued by the Commission, such as orders, notices, and rule makings.

Kimberly D. Bose,
Secretary.

Ali Trunzo

From: Eric Scuoteguazza
Sent: Tuesday, August 29, 2017 1:37 PM
To: Ali Trunzo; Robin Weissert; Angela Hood
Subject: FW: Spire - Addendum II Updated Figures

From: Eric Scuoteguazza
Sent: Tuesday, August 15, 2017 2:24 PM
To: 'Blankenship, Tina' <Tina.Blankenship@Illinois.gov>
Subject: RE: Spire - Addendum II Updated Figures

No problem, Tina. We can send this out.

Also, we wanted to speak with Joe about a specific site we just discovered this week. We tried the number below and left a message, but is that correct?

From: Blankenship, Tina [<mailto:Tina.Blankenship@Illinois.gov>]
Sent: Friday, August 11, 2017 2:50 PM
To: Eric Scuoteguazza <e.scuoteguazza@gaiconsultants.com>
Subject: Spire - Addendum II Updated Figures

Good afternoon

We are in receipt of the above from you today, however the CD only contains what was sent today. I can replace the paper copies with the ones sent in July, however the CD must contain the complete Phase I Addendum II report, not just these updated figures.

Please forward another CD with the complete report to my attention and I will then get this to Joe for review.

Thanks

PLEASE NOTE OUR NEW ADDRESS:

*Tina Blankenship
IL SHPO – Division of Historic Preservation
IDNR – Office of Land Management
Review & Compliance-Archaeology Division
One Natural Resources Way
Springfield, Illinois 62702
Main Line: 217/782-4836*

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August 9, 2017

Ms. Rachel Leibowitz
Division Manager and Deputy SHPO
Illinois Historic Preservation Agency
1 Old State Capitol Plaza
Springfield, Illinois 62701-1507

**Re: Submittal of Updated Phase I Addendum II Report Figures
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 updated Phase I Project figures to accompany the Phase I Addendum II Report submitted to your offices on July 14, 2017 (Scuoteguazza et al. 2017). 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 updated figures, which replace those submitted to your office on July 14, 2017, show the direct impact Area of Potential Effect ("APE") for archaeological resources in Illinois, which includes a 90- to 300-foot-wide study corridor centered on the proposed pipeline route, a 100-foot-wide study corridor for access roads, and the footprint for groundbeds, and staging areas. The APE is color-coded to signify areas reported on in Addendum II, previously surveyed areas, areas not surveyed due to land access restrictions, and portions of the proposed pipeline that will be installed via horizontal directional drill.

Additional Phase I fieldwork results for the proposed Project will be submitted to your office in the future as land parcels become available for survey. GAI, on behalf of Spire, is requesting your review and concurrence of the attached Phase I Addendum II Report figures as part of our recent submittal. 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

Lori M. Ferry
Environmental Project Manager

EPS:LMF/djz

Attachments: Attachment 1 (Updated Phase I Addendum II Report Figures)

Reference

Scuoteguazza, Eric P., Angela Hood, and Robert J. Sabo
2017 *Technical Report-Addendum II Phase I Archaeological Survey*. GAI Consultants, Inc.
Submitted to Spire STL Pipeline LLC. Copies available from the Illinois Historic Preservation Agency,
Springfield, Illinois.

Ali Trunzo

From: Lori Ferry
Sent: Thursday, July 20, 2017 12:34 PM
To: Ali Trunzo
Subject: FW: IHPA

From: Ryan McCreery [mailto:ryanmccreery@yahoo.com]
Sent: Thursday, July 20, 2017 10:24 AM
To: Eric Scuoteguazza <e.scuoteguazza@gaiconsultants.com>; Lori Ferry <L.Ferry@gaiconsultants.com>; Loren Locher <llocher@mdmcorp.com>
Cc: Douglas Sipe <dsipe@mdmcorp.com>
Subject: IHPA

Please see the below from IHPA. Please let me know if this is not the case.

From: "Phillippe, Joe" <Joe.Phillippe@Illinois.gov>
Date: July 20, 2017 at 8:17:18 AM CDT
To: "Brown-McCreery, Heidi" <Heidi.Brown-McCreery@illinois.gov>
Subject: RE: Spire Pipeline letter = IHPA Log #005080216

Yes it included everything that we had received including the Addendums.

PLEASE NOTE OUR NEW ADDRESS:

Joe Phillippe
Chief Archaeologist
Illinois State Historic Preservation Office
Division of Historic Preservation
Office of Land Management
Illinois Department of Natural Resources
1 Natural Resources Way
Springfield, Illinois 62702
217/785-1279

From: Brown-McCreery, Heidi
Sent: Wednesday, July 19, 2017 3:18 PM
To: Leibowitz, Rachel <Rachel.Leibowitz@Illinois.gov>
Cc: Phillippe, Joe <Joe.Phillippe@Illinois.gov>
Subject: RE: Spire Pipeline letter = IHPA Log #005080216

Hey there – Can you guys confirm if this is in regard to the Addendum 1 to the Phase 1 Report that they submitted back in April?

Heidi Brown-McCreery
Director
Illinois Historic Preservation Agency

O: 217-785-7930

GAI Consultants, Inc.

Chicago Office
 2300 Cabot Drive, Suite 395
 Lisle, IL 60532
 T 313.301.2001
www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	T035
DATE:	7/19/2017
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
July 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	-	-	July 2017	July Supplement – Public Information	-
1	-	-	July 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)

Sincerely,



Lori M. Ferry, MS
 Environmental Manager

Ali Trunzo

Subject: RE: [External] Project: E160438.00 - Spire - STL Pipeline Proj - File Transfer - Spire STL Pipeline-FERC July Supplemental Filing

From: Leibowitz, Rachel [<mailto:Rachel.Leibowitz@Illinois.gov>]

Sent: Tuesday, July 18, 2017 6:52 AM

To: Lori Ferry <L.Ferry@gaiconsultants.com>

Subject: Re: [External] Project: E160438.00 - Spire - STL Pipeline Proj - File Transfer - Spire STL Pipeline-FERC July Supplemental Filing

Thanks, Lori.

I was asking about these public files; we work for the public and would add such documentation to our Spire project files.

Thanks,

Rachel Leibowitz, Ph.D.

Deputy State Historic Preservation Officer

Illinois State Historic Preservation Office

Illinois Department of Natural Resources

[1 Old State Capitol Plaza](#)

[Springfield, Illinois 62701](#)

Phone: [\(217\) 785-5031](tel:(217)785-5031)

Cell: (217) 299-4514

E-mail: rachel.leibowitz@illinois.gov

Sent from a mobile device.

On Jul 18, 2017, at 5:00 AM, Lori Ferry <L.Ferry@gaiconsultants.com> wrote:

Hi Rachel

These are just the public files of the FERC filing. Hardcopies of our recent Phase I and Phase II Cultural Survey Reports associated with this filing should have arrived in your office in hard copy yesterday. If you do not receive them today, please let us know!

Thanks

Lori

On Jul 17, 2017, at 5:32 PM, Leibowitz, Rachel <Rachel.Leibowitz@Illinois.gov> wrote:

I assume you mean hard copies, not electronic, will be arriving this week.

We need hard copies of everything.

Thanks,

Rachel Leibowitz, Ph.D.
Deputy State Historic Preservation Officer
Illinois State Historic Preservation Office
Illinois Department of Natural Resources
[1 Old State Capitol Plaza](#)
[Springfield, Illinois 62701](#)
Phone: [\(217\) 785-5031](#)
Cell: (217) 299-4514
E-mail: rachel.leibowitz@illinois.gov

Sent from a mobile device.

On Jul 17, 2017, at 4:31 PM, Lori Ferry <L.Ferry@gaiconsultants.com> wrote:

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: Lori Ferry (GAI Consultants, Inc.)
To: Laszewski.virginia@epa.gov; joe.phillippe@illinois.gov; judith.Deel@dnr.m
summerlin.joe@epa.gov; edward.c.rodriquezrobles@usace.army.mil;
kristen_lundh@fws.gov; trisha_crabill@fws.gov; david.p.meyer@usace.arm
terry.savko@illinois.gov; darin.lecrone@illinois.gov; audrey.beres@mdc.m
keith.shank@illinois.gov; rachel.leibowitz@illinois.gov; dan.heacock@illino
Lanny.M.Pricer@usace.army.mil

CC:
Subject: Spire STL Pipeline-FERC July Supplemental Filing
Sent via: Info Exchange
Expiration Date: 7/31/2017
Remarks: Hi Everyone

Please find the links to download all the PUBLIC information associated with the Spire STL Pipeline's recent supplemental filing made to FERC on July 14, 2017.

If you have any trouble downloading these files, please let me know. For all previous filings, electronic copies will be arriving in your offices throughout the week.

Thank you,
Lori Ferry

Transferred Files

NAME	TYPE	DATE	TIME	SIZE
------	------	------	------	------

<u>07-14-17 Spire STL App 1-B Alignments (1) PUBLIC.pdf</u>	PDF File	7/14/2017	1:50 PM	45,981 KB
<u>07-14-17 Spire STL App 1-B Alignments (2) PUBLIC.pdf</u>	PDF File	7/14/2017	8:11 AM	22,307 KB
<u>07-14-17 Spire STL App 1-F Facilities PUBLIC.pdf</u>	PDF File	7/14/2017	11:34 AM	23,440 KB
<u>07-14-17 Spire STL App 2-D Waterbodies PUBLIC.pdf</u>	PDF File	7/14/2017	8:11 AM	30,155 KB
<u>07-14-17 Spire STL App 2-F (1) PUBLIC.pdf</u>	PDF File	7/14/2017	3:31 PM	25,984 KB
<u>07-14-17 Spire STL App 2-F (2) PUBLIC.pdf</u>	PDF File	7/14/2017	3:30 PM	34,187 KB
<u>07-14-17 Spire STL App 8-D Land Use PUBLIC.pdf</u>	PDF File	7/14/2017	1:41 PM	16,188 KB
<u>07-14-17 Spire STL SUPPLEMENT PUBLIC.pdf</u>	PDF File	7/14/2017	6:35 PM	14,777 KB
<u>Transmittal - 00054.pdf</u>	PDF File	7/17/2017	5:30 PM	65 KB

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Transmittal

2300 Cabot Suite 395, Lisle, IL 60532

PROJECT: E160438.00 - Spire - STL Pipeline Proj
E160438.00

DATE: 7/17/2017

SUBJECT: Spire STL Pipeline-FERC July Supplemental Filing

TRANSMITTAL ID: 00054

PURPOSE: For your review and comment

VIA: Info Exchange

FROM

NAME	COMPANY	EMAIL	PHONE
Lori Ferry 2300 Cabot Suite 395 Lisle, IL 60532	GAI Consultants, Inc.	L.Ferry@gaiconsultants.com	+13313012002

TO

NAME	COMPANY	EMAIL	PHONE
Laszewski.virginia@epa.gov		Laszewski.virginia@epa.gov	
joe.phillippe@illinois.gov		joe.phillippe@illinois.gov	
judith.Deel@dnr.mo.gov		judith.Deel@dnr.mo.gov	
summerlin.joe@epa.gov		summerlin.joe@epa.gov	
edward.c.rodriquezrobles@usace.army.mil		edward.c.rodriquezrobles@usace.army.mil	
kristen_lundh@fws.gov		kristen_lundh@fws.gov	
trisha_crabill@fws.gov		trisha_crabill@fws.gov	
david.p.meyer@usace.army.mil		david.p.meyer@usace.army.mil	
terry.savko@illinois.gov		terry.savko@illinois.gov	
darin.lecrone@illinois.gov		darin.lecrone@illinois.gov	
audrey.beres@mdc.mo.gov		audrey.beres@mdc.mo.gov	
keith.shank@illinois.gov		keith.shank@illinois.gov	
rachel.leibowitz@illinois.gov		rachel.leibowitz@illinois.gov	
dan.heacock@illinois.gov		dan.heacock@illinois.gov	
Lanny.M.Pricer@usace.army.mil		Lanny.M.Pricer@usace.army.mil	

REMARKS: Hi Everyone
Please find the links to download all the PUBLIC information associated with Spire STL Pipeline's recent supplemental filing made to FERC on July 14, 2017.

Transmittal

DATE: 7/17/2017
TRANSMITTAL ID: 00054

if you have any trouble downloading these files, please let me know. As with previous filings, electronic copies will be arriving in your offices this week.

Thank you,
Lori Ferry

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1	7/14/2017	07-14-17 Spire STL_SUPPLEMENT_PUBLIC.pdf	



Illinois Environmental Protection Agency

Ali Trunzo

To: Matt Tanner
Subject: RE: IL EPA NPDES Exemption for Oil and Gas Activities

From: Matt Tanner
Sent: Tuesday, August 22, 2017 12:07 PM
To: 'cathy.demeroukas@illinois.gov' <cathy.demeroukas@illinois.gov>
Subject: IL EPA NPDES Exemption for Oil and Gas Activities

Ms. Demeroukas,

Thank you for speaking with me this morning. As per our phone conversation, the Illinois EPA recognizes the Federal exemption from obtaining a NPDES Construction Stormwater Permit for oil and gas related activities, and does not require those projects to obtain a state construction stormwater permit. However, you mentioned that some areas of the state may have local permit requirements. If I misunderstood any of what you said, please let me know.

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

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Ali Trunzo

From: Lori Ferry
Sent: Monday, August 14, 2017 4:03 PM
Cc: Ali Trunzo; Douglas Sipe; Lori Ferry
Subject: Spire STL Pipeline Project-FERC Notice of Schedule
Attachments: 8-3-17 Spire STL_FERC Notice of Schedule.docx

Hello,

Please take notice that the Federal Energy Regulatory Commission (FERC) has issued its Notice of Schedule pertaining to the Spire STL Pipeline Project on August 3, 2017 and expects to issue the Environmental Assessment on or before September 29, 2017.

A copy of the Notice is attached for your reference.

Thank you,
Lori Ferry


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 |     

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UNITED STATES OF AMERICA
FEDERAL ENERGY REGULATORY COMMISSION

Spire STL Pipeline Company, LLC

Docket Nos. CP17-40-000
CP17-40-001

NOTICE OF SCHEDULE FOR ENVIRONMENTAL REVIEW
OF THE SPIRE STL PIPELINE PROJECT

(August 3, 2017)

On January 26, 2017, Spire STL Pipeline, LLC (Spire) filed an application in Docket No. CP17-40-000 requesting a Certificate of Public Convenience and Necessity pursuant to Section 7(c) of the Natural Gas Act to construct and operate certain natural gas pipeline facilities. On April 21, 2017, Spire amended its application to incorporate various changes in project routing. The proposed project is known as the Spire STL Pipeline Project (Project), and would link the greater St. Louis Region to a new supply of gas, through transport of about 400,000 dekatherms per day of natural gas service.

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Schedule for Environmental Review

Issuance of EA	September 29, 2017
90-day Federal Authorization Decision Deadline	December 28, 2017

If a schedule change becomes necessary, additional notice will be provided so that the relevant agencies are kept informed of the Project's progress.

Project Description

The proposed Project includes (i) about 65 miles of new 24-inch-diameter pipeline in Scott, Greene, and Jersey Counties, Illinois and St. Charles and St. Louis Counties, Missouri, (ii) a new meter station in Scott County, Illinois, (iii) two new meter stations in St. Louis County, Missouri, and (iv) additional piping and pigging facilities at each of the three meter stations.

Background

During the Commission's pre-filing process, on October 26, 2016, the Commission issued a *Notice of Intent to Prepare an Environmental Assessment for the Planned Spire STL Pipeline Project, Request for Comments on Environmental Issues, and Notice of Public Scoping Sessions*. Subsequent to this notice, Spire filed a potential pipeline route alternative in St. Louis County, Missouri. Therefore, on March 3, 2017, the Commission issued a *Supplemental Notice of Intent to Prepare an Environmental Assessment for the Proposed Spire STL Pipeline Project and Request for Comments on Environmental Issues*. These two notices were published in the Federal Register¹ and mailed to 1,141 and 342 interested parties, respectively, including affected landowners; federal, state, and local government agencies; elected officials; environmental and public interest groups; Native American tribes; other interested parties; and local libraries and newspapers. In response to these two notices, the Commission received comments from The U.S. Environmental Protection Agency, the National Park Service, Missouri Department of Conservation, Missouri Department of Natural Resources, Osage Nation Historic Preservation Office, the Miami Tribe of Oklahoma, the Winnebago Tribe, several labor unions, and 13 landowners. The primary issues raised by the commentors include concerns for the proposed crossing of the Mississippi River regarding contamination of a public water source, construction on steep slopes, opposition to the Chautauqua alternative, concerns for impacts on the Upper Mississippi River Conservation Area, land held in conservation easement/habitat programs (specifically the conservation reserve and quail habitat programs), historic trails, Principia College/Three Rivers Community Farm, and safety.

The U.S. Army Corps of Engineers and Illinois Department of Agriculture are cooperating agencies in the preparation of the EA.

Additional Information

In order to receive notification of the issuance of the EA and to keep track of all formal issuances and submittals in specific dockets, the Commission offers a free service called eSubscription. This can reduce the amount of time you spend researching proceedings by automatically providing you with notification of these filings, document summaries, and direct links to the documents. Go to www.ferc.gov/docs-filing/esubscription.asp.

Additional information about the Project is available from the Commission's Office of External Affairs at (866) 208-FERC or on the FERC website (www.ferc.gov). Using the "eLibrary" link, select "General Search" from the eLibrary menu, enter the selected date range and "Docket Number" excluding the last three digits (i.e., CP17-40),

¹ 81 Federal Register 31922

and follow the instructions. For assistance with access to eLibrary, the helpline can be reached at (866) 208-3676, TTY (202) 502-8659, or at FERCOnlineSupport@ferc.gov. The eLibrary link on the FERC website also provides access to the texts of formal documents issued by the Commission, such as orders, notices, and rule makings.

Kimberly D. Bose,
Secretary.



Transmittal

2300 Cabot Suite 395, Lisle, IL 60532

PROJECT: E160438.00 - Spire - STL Pipeline Proj
E160438.00

DATE: 7/17/2017

SUBJECT: Spire STL Pipeline-FERC July Supplemental Filing

TRANSMITTAL ID: 00054

PURPOSE: For your review and comment

VIA: Info Exchange

FROM

NAME	COMPANY	EMAIL	PHONE
Lori Ferry 2300 Cabot Suite 395 Lisle, IL 60532	GAI Consultants, Inc.	L.Ferry@gaiconsultants.com	+13313012002

TO

NAME	COMPANY	EMAIL	PHONE
Laszewski.virginia@epa.gov		Laszewski.virginia@epa.gov	
joe.phillippe@illinois.gov		joe.phillippe@illinois.gov	
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keith.shank@illinois.gov		keith.shank@illinois.gov	
rachel.leibowitz@illinois.gov		rachel.leibowitz@illinois.gov	
dan.heacock@illinois.gov		dan.heacock@illinois.gov	
Lanny.M.Pricer@usace.army.mil		Lanny.M.Pricer@usace.army.mil	

REMARKS: Hi Everyone
Please find the links to download all the PUBLIC information associated with Spire STL Pipeline's recent supplemental filing made to FERC on July 14, 2017.

Transmittal

DATE: 7/17/2017
TRANSMITTAL ID: 00054

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Thank you,
Lori Ferry

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Missouri Department of Natural Resources

Ali Trunzo

From: Irwin, Mike <mike.irwin@dnr.mo.gov>
Sent: Wednesday, September 27, 2017 2:57 PM
To: Todd Wheaton
Cc: Ali Trunzo; Jayme Fuller
Subject: RE: Spire STL - Missouri 401

Hello Todd,

If everything is nailed down (including any necessary delineations), the final wetland impacts are below 0.5 acre, and stream impacts remain below the 500 linear foot threshold, the programmatic 401 authorization under NWP 12 will apply, meaning no individual Missouri Clean Water Act Section 401 Water Quality Certification will be required.

Thank you for the notification regarding likely modifications.

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

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From: Todd Wheaton [mailto:T.Wheaton@gaiconsultants.com]
Sent: Wednesday, September 27, 2017 12:36 PM
To: Irwin, Mike
Cc: Ali Trunzo; Jayme Fuller
Subject: Spire STL - Missouri 401

Good Afternoon Mike,

I wanted to circle back with you regarding some of the changes we discussed a couple weeks back in regard to a proposed reroute Spire was considering. This reroute was designed to avoid a sizeable PEM wetland impact (previously 0.240 acre), and should bring our total wetland impact acreage down well below the 0.5 acre threshold requiring mitigation (stream impacts currently below 500 linear feet). Unfortunately, we have not yet been able to get onto this reroute to delineate due to landowner restrictions. We should be able to get this completed sometime over the next month once harvest is complete, and I will make sure to send you an update to confirm that we are below the 0.5 acre threshold for wetlands. I have attached a quick figure of the area, with all our currently delineated features and previously studied areas. I have also highlighted areas where we believe we may have potential wetland impacts in yellow boxes. Our previous totals for wetland impacts was 0.563 (PEM/PSS/PFO), and the reroute looks to significantly reduce that. Considering we would only need to reduce by 0.063 acres from the original total to be under the 0.5 acre threshold, is it safe to assume (pending the wetland delineation) that we can proceed under the programmatic 401 authorization under NWP 12? Once you get a chance to take a peek at this please let me know your thoughts and we can go from there.

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

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telephone log



gai consultants

Date: 09/27/2017

Project / Admin. No.: E160438.00

Call From: Mike Irwin

Company: Missouri Dept. of Natural Resources

Phone No.: (573) 522-1131

Call To: Todd Wheaton

Company: GAI Consultants

Phone No.: (330) 415-8364

Subject: Spire STL 401 Coverage

cc:

Summary of Discussion, Decisions, and Commitments:

Received a call from Mike prior to him sending this email and he confirmed (as we thought) that they will not be able to issue the 401 without the full delineation. He does agree that the reroute looks significantly better and that once we get this delineated (and impacts are below the individual 401 threshold) we will be able to use the programmatic 401 coverage under NWP 12.

Ali Trunzo

From: Irwin, Mike <mike.irwin@dnr.mo.gov>
Sent: Thursday, September 07, 2017 9:13 AM
To: Todd Wheaton
Cc: Jayme Fuller; Ali Trunzo; Bax, Stacia; Meyer, David P MVS (David.P.Meyer@usace.army.mil)
Subject: RE: Spire STL additional questions regarding mitigation

Hello Todd,

If wetland impacts are reduced to less than 0.5 acres total and stream impacts remain below 500 linear feet total, the Nationwide Permit issued by the U.S. Army Corps of Engineers for all crossings would receive a programmatic Water Quality Certification from the Missouri Department of Natural Resources. Since no individual Water Quality Certification would be required, wetland and stream mitigation would not be required by the Missouri Department of Natural Resources. In short, you are correct.

It appears there might be other mitigation options for the project, but service areas and credit availability for the proposed impacts is somewhat complex in that area. I will defer to Dave Meyer to provide insight on questions regarding mitigation banks. I have copied him on this email.

I hope this helps.

[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

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From: Todd Wheaton [mailto:T.Wheaton@gaiconsultants.com]
Sent: Wednesday, September 06, 2017 2:02 PM
To: Irwin, Mike
Cc: Jayme Fuller; Ali Trunzo
Subject: Spire STL additional questions regarding mitigation

Good Afternoon Mike,

I wanted to touch base with you regarding some potential modifications to the Spire STL pipeline. After reviewing some of the wetland impacts, Spire has chosen to potentially reroute a small segment of the line (between mile post 49.3 and 50.1 – see attached screenshot) to avoid the large impact to WMO-JJP-012. I wanted to confirm with you that if total wetland impacts are reduced to less than 0.5 acres (and stream impacts are still below 500 linear feet), that the project would:

- 1.) no longer require individual 401 certification for all crossings
- 2.) no longer require mitigation for stream and wetland impacts

We also were able to get ahold of Scott Harding who is apparently an alternate contact for the Lower Missouri Wetland Bank. Scott informed us that their bank only has 0.2 credits currently available. That being said, I believe the Rosedale Wetland Bank has credits available. Looking at the service area map for the Rosedale bank, it looks like this may still be within the project's service area. Could you please confirm that this is the case? Just want to make sure our ratios will still be the same should we need to move forward with mitigation.

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

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Ali Trunzo

Subject: RE: Follow up

From: Irwin, Mike [<mailto:mike.irwin@dnr.mo.gov>]

Sent: Tuesday, September 05, 2017 2:11 PM

To: Jayme Fuller <J.Fuller@gaiconsultants.com>

Cc: Meyer, David P MVS (David.P.Meyer@usace.army.mil) <David.P.Meyer@usace.army.mil>

Subject: RE: Follow up

Hi Jayme,

I had a much needed relaxing weekend. I hope yours was enjoyable.

I discussed the idea of temporary wetland impacts with management. The Department's opinion departs from the opinion of the U.S. Army Corps of Engineers regarding the need for wetland mitigation. Since there is no guarantee the hydrology of the wetlands will not be changed by trenching, wetland mitigation will still be required. Management was agreeable, however, with the 3:1 ratio for the conversion of forested wetlands. In short, the emergent wetlands will require mitigation at a ratio of 1:1, and the forested wetlands will require mitigation at a ratio of 3:1. Removing the impacts for Palustrine unconsolidated bottom (PUB), the total amount of wetland debits is 0.608 acres. Additionally, stream mitigation will be required utilizing the Missouri Stream Mitigation Method (MSMM). I have not yet had a chance to review the stream data yet. If the MSMM worksheets could be produced for my review, it would be greatly appreciated.

I hope this helps. Please let me know if you have additional questions or concerns.

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

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From: Jayme Fuller [<mailto:J.Fuller@gaiconsultants.com>]

Sent: Tuesday, September 05, 2017 9:02 AM

To: Irwin, Mike

Cc: Todd Wheaton; Ali Trunzo

Subject: Follow up

Hi Mike,

I wanted to follow up with you from your call last week. Hope you had a nice holiday weekend. Were you able to determine a path forward on mitigation?

Thanks!

Jayne L. Fuller, Environmental Manager

GAI Consultants, Inc.

Charleston Office | 300 Summers Street, Suite 1100, Charleston WV 25301

Indianapolis Office | 6420 Castleway West, Indianapolis, IN 46250

1-234-203-0763 | C 614.499.6258 |     

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Sent: Monday, August 14, 2017 4:03 PM
Cc: Ali Trunzo; Douglas Sipe; Lori Ferry
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Attachments: 8-3-17 Spire STL_FERC Notice of Schedule.docx

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A copy of the Notice is attached for your reference.

Thank you,
Lori Ferry

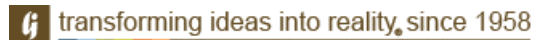
Lori Ferry
Environmental Manager-Energy Business Unit

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

T 331.301.2002 M 630.605.5255 | gaiconsultants.com |     

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UNITED STATES OF AMERICA
FEDERAL ENERGY REGULATORY COMMISSION

Spire STL Pipeline Company, LLC

Docket Nos. CP17-40-000
CP17-40-001

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OF THE SPIRE STL PIPELINE PROJECT

(August 3, 2017)

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Background

During the Commission's pre-filing process, on October 26, 2016, the Commission issued a *Notice of Intent to Prepare an Environmental Assessment for the Planned Spire STL Pipeline Project, Request for Comments on Environmental Issues, and Notice of Public Scoping Sessions*. Subsequent to this notice, Spire filed a potential pipeline route alternative in St. Louis County, Missouri. Therefore, on March 3, 2017, the Commission issued a *Supplemental Notice of Intent to Prepare an Environmental Assessment for the Proposed Spire STL Pipeline Project and Request for Comments on Environmental Issues*. These two notices were published in the Federal Register¹ and mailed to 1,141 and 342 interested parties, respectively, including affected landowners; federal, state, and local government agencies; elected officials; environmental and public interest groups; Native American tribes; other interested parties; and local libraries and newspapers. In response to these two notices, the Commission received comments from The U.S. Environmental Protection Agency, the National Park Service, Missouri Department of Conservation, Missouri Department of Natural Resources, Osage Nation Historic Preservation Office, the Miami Tribe of Oklahoma, the Winnebago Tribe, several labor unions, and 13 landowners. The primary issues raised by the commentors include concerns for the proposed crossing of the Mississippi River regarding contamination of a public water source, construction on steep slopes, opposition to the Chautauqua alternative, concerns for impacts on the Upper Mississippi River Conservation Area, land held in conservation easement/habitat programs (specifically the conservation reserve and quail habitat programs), historic trails, Principia College/Three Rivers Community Farm, and safety.

The U.S. Army Corps of Engineers and Illinois Department of Agriculture are cooperating agencies in the preparation of the EA.

Additional Information

In order to receive notification of the issuance of the EA and to keep track of all formal issuances and submittals in specific dockets, the Commission offers a free service called eSubscription. This can reduce the amount of time you spend researching proceedings by automatically providing you with notification of these filings, document summaries, and direct links to the documents. Go to www.ferc.gov/docs-filing/esubscription.asp.

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¹ 81 Federal Register 31922

and follow the instructions. For assistance with access to eLibrary, the helpline can be reached at (866) 208-3676, TTY (202) 502-8659, or at FERCOnlineSupport@ferc.gov. The eLibrary link on the FERC website also provides access to the texts of formal documents issued by the Commission, such as orders, notices, and rule makings.

Kimberly D. Bose,
Secretary.

Ali Trunzo

From: Hackett, Billy <Billy.Hackett@dnr.mo.gov>
Sent: Wednesday, July 19, 2017 11:34 AM
To: Matt Tanner
Subject: Natural Gas exemptions

Mr. Tanner,

While there is a federal exemption for oil and gas relating to construction stormwater permits and the state also acknowledges this exemption the county does not have to do the same. The county permit does not necessarily have the same exemptions for any permitting that they may require. This will vary by county and they will need to be consulted for this information.

Thanks,

Billy Hackett

Environmental Specialist
Operating Permits Section, Water Protection Program
Missouri Department of Natural Resources
PO BOX 176, 1101 Riverside Dr., Jefferson City, MO 65102

eDMR/ePermitting Hotline 855-789-3889
573-526-3337 (Office) 573-522-9920 (FAX)
billy.hackett@dnr.mo.gov

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telephone log



gai consultants

Date: 07/19/2017

Project / Admin. No.: E160438.00

Call From: Matt Tanner

Company: GAI Consultants

Phone No.: 681-245-8854

Call To: Billy Hackett

Company: Missouri Department of Natural Resources, Operating Permits Section, Water Protection Program

Phone No.: 573-526-3337

Subject: NPDES Oil and Gas Exemption for County Permits

cc:

Summary of Discussion, Decisions, and Commitments:

I contacted Missouri Department of Natural Resources (MODNR) to find out more information regarding how the NPDES exemption for oil and gas related activities affects land disturbance permits at the County level. I was transferred to Mr. Billy Hackett. I told Mr. Hackett that we understood that oil and gas related construction activities were exempt from construction stormwater NPDES permitting under Federal regulations and that states have the ability to issue state specific construction stormwater permits. I told him that we also understood that Missouri currently recognizes the exemption with the most recent MODNR construction stormwater permit.

I told Mr. Hackett that we were working with Spire to permit construction of a natural gas transmission pipeline and were looking at applying for county level land disturbance/construction stormwater permits for the project. I said that our understanding is that the county ordinances were typically developed to comply with each county's Municipal Separate Storm Sewer System (MS4) permit requirements. I asked Mr. Hackett whether the counties have permitting authority to issue land disturbance/construction stormwater permits since the MS4 permits are part of the NPDES program. I said that we want to help Spire obtain and comply with required permits, but don't want to go through the submittal and review process if the counties do not have the authority to issue permits for that type of activity. I said that we are trying to understand how the oil and gas exemption translates down to the county permit level.

Mr. Hackett told me that he would need to ask around and would get back with me later that day. He responded via email later that afternoon.



Transmittal

2300 Cabot Suite 395, Lisle, IL 60532

PROJECT: E160438.00 - Spire - STL Pipeline Proj
E160438.00

DATE: 7/17/2017

SUBJECT: Spire STL Pipeline-FERC July Supplemental Filing

TRANSMITTAL ID: 00054

PURPOSE: For your review and comment

VIA: Info Exchange

FROM

NAME	COMPANY	EMAIL	PHONE
Lori Ferry 2300 Cabot Suite 395 Lisle, IL 60532	GAI Consultants, Inc.	L.Ferry@gaiconsultants.com	+13313012002

TO

NAME	COMPANY	EMAIL	PHONE
Laszewski.virginia@epa.gov		Laszewski.virginia@epa.gov	
joe.phillippe@illinois.gov		joe.phillippe@illinois.gov	
judith.Deel@dnr.mo.gov		judith.Deel@dnr.mo.gov	
summerlin.joe@epa.gov		summerlin.joe@epa.gov	
edward.c.rodriquezrobles@usace.army.mil		edward.c.rodriquezrobles@usace.army.mil	
kristen_lundh@fws.gov		kristen_lundh@fws.gov	
trisha_crabill@fws.gov		trisha_crabill@fws.gov	
david.p.meyer@usace.army.mil		david.p.meyer@usace.army.mil	
terry.savko@illinois.gov		terry.savko@illinois.gov	
darin.lecrone@illinois.gov		darin.lecrone@illinois.gov	
audrey.beres@mdc.mo.gov		audrey.beres@mdc.mo.gov	
keith.shank@illinois.gov		keith.shank@illinois.gov	
rachel.leibowitz@illinois.gov		rachel.leibowitz@illinois.gov	
dan.heacock@illinois.gov		dan.heacock@illinois.gov	
Lanny.M.Pricer@usace.army.mil		Lanny.M.Pricer@usace.army.mil	

REMARKS: Hi Everyone
Please find the links to download all the PUBLIC information associated with Spire STL Pipeline's recent supplemental filing made to FERC on July 14, 2017.

Transmittal

DATE: 7/17/2017
TRANSMITTAL ID: 00054

if you have any trouble downloading these files, please let me know. As with previous filings, electronic copies will be arriving in your offices this week.

Thank you,
Lori Ferry

DESCRIPTION OF CONTENTS

QTY	DATED	TITLE	NOTES
1	7/14/2017	07-14-17 Spire STL_App 1-B_Alignments (1)_PUBLIC.pdf	
1	7/14/2017	07-14-17 Spire STL_App 1-B_Alignments (2)_PUBLIC.pdf	
1	7/14/2017	07-14-17 Spire STL_App 1-F_Facilities_PUBLIC.pdf	
1	7/14/2017	07-14-17 Spire STL_App 2-D_Waterbodies_PUBLIC.pdf	
1	7/14/2017	07-14-17 Spire STL_App 2-F (1)_PUBLIC.pdf	
1	7/14/2017	07-14-17 Spire STL_App 2-F (2)_PUBLIC.pdf	
1	7/14/2017	07-14-17 Spire STL_App 8-D_Land Use_PUBLIC.pdf	
1	7/14/2017	07-14-17 Spire STL_SUPPLEMENT_PUBLIC.pdf	

Ali Trunzo

Subject: RE: Spire STL Pipeline

From: Irwin, Mike [<mailto:mike.irwin@dnr.mo.gov>]

Sent: Thursday, April 13, 2017 10:50 AM

To: Jayme Fuller <J.Fuller@gaiconsultants.com>; Todd Wheaton <T.Wheaton@gaiconsultants.com>

Cc: Lori Ferry <L.Ferry@gaiconsultants.com>; Bax, Stacia <stacia.bax@dnr.mo.gov>

Subject: RE: Spire STL Pipeline

Hello Jayme and Todd,

I emailed Stacia at her out-of-state conference, and she responded with clarifications on some of the issues we discussed.

- Individual WQC is required when 1) the 500 linear feet threshold is met **AND** 2) the project crosses two or more county jurisdictions or is interstate. Both need to apply.
- The 500 linear feet of impact threshold only applies to stream impacts, and the 0.5 acre impact threshold only applies to wetlands.
- Linear feet of impact only applies to impacts below the Ordinary High Water Mark. For example, a 4-foot-wide trench for the pipeline will result in approximately 4 LF of impact at each crossing.
- Impacts are cumulative for the entire project.
- If the cumulative impact is greater than 500 linear feet, it is likely that DNR will require mitigation.
- The WQC would be provided as a single document listing multiple stream crossings.

I hope this provides some clarity on this particular condition. Please let me know if you have any additional questions or if supplementary discussion is needed.

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

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From: Jayme Fuller [<mailto:J.Fuller@gaiconsultants.com>]

Sent: Tuesday, April 11, 2017 2:39 PM

To: Irwin, Mike

Cc: Todd Wheaton; Lori Ferry

Subject: Spire STL Pipeline

Hi Mike,

It has been awhile since we have touched base and we have a few questions for you. Are you available for a call today, tomorrow or Thursday?

Thanks!

Jayne L. Fuller, Environmental Manager

GAI Consultants, Inc.

Charleston Office | 300 Summers Street, Suite 1100, Charleston WV 25301

Indianapolis Office | 6420 Castleway West, Indianapolis, IN 46250

1-234-203-0763 | C 614.499.6258 |     

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Missouri State Historic Preservation Office



September 29, 2017

Ms. Judith Deel
Missouri State Historic Preservation Office
1101 Riverside Drive
Jefferson City, Missouri 65101

**Re: Submittal of Technical Report - Addendum III
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 July 11 and 12, 2017 to survey parcels where survey permission has been granted since the last Phase I field session concluded in June 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 study corridor ranging in width from 56 meters (185 feet) to 91.44 meters (300 feet) centered on 2.34 kilometers (1.46 miles) of the proposed pipeline route for the North County Extension in St. Louis County, and the workspace needed for a proposed horizontal directional drill (HDD) pullback area (4.13 hectares [10.23 acres]).

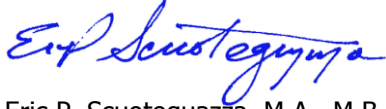
The total APE for the Missouri portion of the proposed Project is 302.53 hectares (747.59 acres). Of this, 20.88 hectares (51.61 acres) was surveyed on July 11 and 12, 2017 during supplemental fieldwork. Approximately 247.48 hectares (611.55 acres) was surveyed prior to July 2017 for the proposed Project and other prior cultural resource surveys. Due to land access restrictions, approximately 2.73 hectares (6.77 acres) of the Project APE in Missouri has not been surveyed. Approximately 31.42 hectares (77.66 acres) of the Project area will be avoided by way of installation via HDD.

Background research results indicate that no previously recorded cultural resources are mapped within the supplemental APE. Two archaeological sites (23SL2406 and 23SL2407) and three isolated finds (FD#272, 273, and 274) were identified during supplemental Phase I survey of the Missouri portion of the proposed Project on July 11 and 12, 2017. GAI recommends that all five 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 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

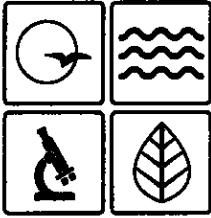


Robin Weissert, CEP
Assistant Environmental Manager

EPS:RW/gmg

Attachments: Attachment 1 (Technical Report - Addendum III, Phase I Archaeological Survey) and Attachment 2 (Section 106 Survey Memo)

CPM-40



Missouri Department of

dnr.mo.gov

NATURAL RESOURCES

Eric R. Greitens, Governor

FILED
SECRETARY OF THE
COMMISSION
Carol S. Comer, Director

SEP 26 P 3 02

FEDERAL ENERGY
REGULATORY COMMISSION

September 18, 2017

ORIGINAL

Mr. Eric Scuoteguazza
Senior Cultural Resources Manager
GAI Consultants, Inc.
1444 Farnsworth Avenue, Suite 303
Aurora, IL 60505

Re: Addendum I, Phase I Survey, 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 revised report entitled *Technical Report - Addendum I Phase I Archaeological Survey, Spire STL Pipeline Project, St. Charles and St. Louis Counties, Missouri*. Based on this review it is evident that a thorough and adequate cultural resources survey has been conducted of the supplemental project area. We concur that archaeological sites 23SC524 and 23SC2213 may be eligible for inclusion in the National Register of Historic Places. We also concur that the portions of these sites that fall within the project area do not have the potential to contribute to the understanding of the sites or the archaeology of the area, and that there will be **no adverse effect** on these two sites 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
Toni M. Prawl, Ph.D.
Director and Deputy State
Historic Preservation Officer

TMP:jd

c Ms. Kimberly D. Bose, FERC

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Ali Trunzo

Subject: Spire STL Pipeline Project-FERC Notice of Schedule

From: Lori Ferry [<mailto:L.Ferry@gaiconsultants.com>]
Sent: Friday, August 18, 2017 2:27 PM
Cc: Ali Trunzo <A.Trunzo@gaiconsultants.com>
Subject: Spire STL Pipeline Project-FERC Notice of Schedule

Hello,

Please take notice that the Federal Energy Regulatory Commission (FERC) has issued its Notice of Schedule pertaining to the Spire STL Pipeline Project on August 3, 2017 and expects to issue the Environmental Assessment on or before September 29, 2017.

A copy of the Notice is attached for your reference.

Thank you,
Lori Ferry

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



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UNITED STATES OF AMERICA
FEDERAL ENERGY REGULATORY COMMISSION

Spire STL Pipeline Company, LLC

Docket Nos. CP17-40-000
CP17-40-001

NOTICE OF SCHEDULE FOR ENVIRONMENTAL REVIEW
OF THE SPIRE STL PIPELINE PROJECT

(August 3, 2017)

On January 26, 2017, Spire STL Pipeline, LLC (Spire) filed an application in Docket No. CP17-40-000 requesting a Certificate of Public Convenience and Necessity pursuant to Section 7(c) of the Natural Gas Act to construct and operate certain natural gas pipeline facilities. On April 21, 2017, Spire amended its application to incorporate various changes in project routing. The proposed project is known as the Spire STL Pipeline Project (Project), and would link the greater St. Louis Region to a new supply of gas, through transport of about 400,000 dekatherms per day of natural gas service.

On February 6, 2017, the Federal Energy Regulatory Commission (Commission or FERC) issued its Notice of Application for the Project. Among other things, that notice alerted agencies issuing federal authorizations of the requirement to complete all necessary reviews and to reach a final decision on a request for a federal authorization within 90 days of the date of issuance of the Commission staff's Environmental Assessment (EA) for the Project. This instant notice identifies the FERC staff's planned schedule for the completion of the EA for the Project.

Schedule for Environmental Review

Issuance of EA	September 29, 2017
90-day Federal Authorization Decision Deadline	December 28, 2017

If a schedule change becomes necessary, additional notice will be provided so that the relevant agencies are kept informed of the Project's progress.

Project Description

The proposed Project includes (i) about 65 miles of new 24-inch-diameter pipeline in Scott, Greene, and Jersey Counties, Illinois and St. Charles and St. Louis Counties, Missouri, (ii) a new meter station in Scott County, Illinois, (iii) two new meter stations in St. Louis County, Missouri, and (iv) additional piping and pigging facilities at each of the three meter stations.

Background

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The U.S. Army Corps of Engineers and Illinois Department of Agriculture are cooperating agencies in the preparation of the EA.

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¹ 81 Federal Register 31922

and follow the instructions. For assistance with access to eLibrary, the helpline can be reached at (866) 208-3676, TTY (202) 502-8659, or at FERCOnlineSupport@ferc.gov. The eLibrary link on the FERC website also provides access to the texts of formal documents issued by the Commission, such as orders, notices, and rule makings.

Kimberly D. Bose,
Secretary.

Ali Trunzo

From: Eric Scuoteguazza
Sent: Tuesday, August 29, 2017 1:38 PM
To: Angela Hood; Robin Weissert; Ali Trunzo
Subject: FW: Phase II rpt - 23SC2219

From: Eric Scuoteguazza
Sent: Tuesday, August 15, 2017 5:12 PM
To: 'Deel, Judith' <judith.deel@dnr.mo.gov>
Subject: RE: Phase II rpt - 23SC2219

Thank you, Judith. I really appreciate this!

From: Deel, Judith [<mailto:judith.deel@dnr.mo.gov>]
Sent: Tuesday, August 15, 2017 4:38 PM
To: Eric Scuoteguazza <e.scuoteguazza@gaiconsultants.com>
Subject: RE: Phase II rpt - 23SC2219

Eric,

We located the hard copy report, and discovered the attached letter with it.

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)






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From: Eric Scuoteguazza [<mailto:e.scuoteguazza@gaiconsultants.com>]
Sent: Tuesday, August 15, 2017 1:44 PM
To: Deel, Judith
Subject: Phase II rpt - 23SC2219

I have attached a (reduced) courtesy copy of the Phase II report for 23SC2219, as requested.

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 |     

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Ali Trunzo

Subject: RE: Spire - Phase II rpt - 23SC2219

From: Deel, Judith [<mailto:judith.deel@dnr.mo.gov>]
Sent: Tuesday, August 15, 2017 4:30 PM
To: Eric Scuoteguazza <e.scuoteguazza@gaiconsultants.com>
Subject: RE: Phase II rpt - 23SC2219

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 April 2017 report entitled *Technical Report: Phase II Archaeological Testing at Site 23SC2219, Spire STL Pipeline Project, St. Charles and St. Louis Counties, Missouri*. Based on this review it is evident that a thorough and adequate testing program has been conducted. We concur that archaeological site 23SC2219 may be eligible for inclusion in the National Register, but that the Phase II testing has demonstrated that the portion of the site within the Area of Potential Effect (APE) of the project does not have the potential to yield information important to the understanding of this site or of the prehistory of the region. That there will be **no adverse effect** and, therefore, we have no objection to the initiation of project activities at this location.

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.

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)

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From: Eric Scuoteguazza [<mailto:e.scuoteguazza@gaiconsultants.com>]
Sent: Tuesday, August 15, 2017 1:44 PM
To: Deel, Judith
Subject: Phase II rpt - 23SC2219

I have attached a (reduced) courtesy copy of the Phase II report for 23SC2219, as requested.

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

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Ali Trunzo

From: Eric Scuoteguazza
Sent: Tuesday, August 29, 2017 1:37 PM
To: Ali Trunzo; Robin Weissert; Angela Hood
Subject: FW: Spire Pipeline Phase I Addendum 1
Attachments: 201708151634.pdf

From: Eric Scuoteguazza
Sent: Wednesday, August 16, 2017 2:59 PM
To: Angela Hood <a.hood@gaiconsultants.com>
Subject: FW: Spire Pipeline Phase I Addendum 1

From: Deel, Judith [<mailto:judith.deel@dnr.mo.gov>]
Sent: Tuesday, August 15, 2017 4:43 PM
To: Eric Scuoteguazza <e.scuoteguazza@gaiconsultants.com>
Subject: RE: Spire Pipeline Phase I Addendum 1

Hi, Eric,

And just for clarification – we have a draft report for Phase I – Addendum I, for which we wrote the attached letter. Is the copy that you sent revised? I haven't read it in detail, but the date on the cover is the same (April 21, 2017), and there is no reference to "revised".

Thanks!

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)






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From: Eric Scuoteguazza [<mailto:e.scuoteguazza@gaiconsultants.com>]
Sent: Tuesday, August 15, 2017 1:51 PM
To: Deel, Judith
Subject: Spire Pipeline Phase I Addendum 1

I have attached a (reduced) courtesy copy of the Phase I Addendum 1 report for the Spire Pipeline, as requested.

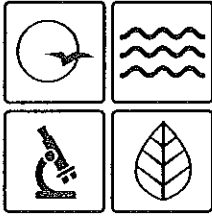
Thank you,
Eric

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 |     

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Missouri Department of dnr.mo.gov

NATURAL RESOURCES

Eric R. Greitens, Governor

Carol S. Comer, Director

May 23, 2017

Eric Scuoteguazza
Senior Cultural Resources Manager
GAI Consultants, Inc.
1444 Farnsworth Avenue, Suite 303
Aurora, Illinois 60505

Re: Addendum I Phase I Survey, 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.

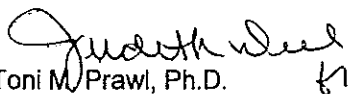
We have reviewed the April 2017 report entitled *Technical Report – Addendum I Phase I Archaeological Survey, Spire STL Pipeline Project, St. Charles and St. Louis Counties, Missouri*. Based on this review we have the following comments:

- Under separate cover, SHPO has concurred that the portion of site 23SC2219 within the Spire STL Pipeline Project does not have the potential to yield information important to the understanding of prehistory, and that the balance of the site outside of the project boundaries may be eligible for inclusion in the National Register of Historic Places.
- 23SC2213 – according to the maps in the report, this 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 extent of disturbance, if any, would also be appropriate.
- 23SL524 - according to the maps in the report, this 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.

We look forward to the opportunity to review a revised draft of this report. If you have any questions, please write Heather Gibb (573/751-4589) or Judith Deel (573/751-7862) at State Historic Preservation Office, P.O. Box 176, Jefferson City, Missouri 65102. 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 Laurie Boros, FERC



telephone log



gai consultants

Date: 8/15/2017

Project / Admin. No.: Spire Pipeline / E160438.00

Call From: Eric P. Scuoteguazza

Company: GAI Consultants

Phone No.: (412) 399-5188

Call To: Judith Deel

Company: Missouri State Historic Preservation Office

Phone No.: (573) 751-7858

Subject: Phase I and Phase II cultural studies

cc:

Summary of Discussion, Decisions, and Commitments:

To date, we have received comments from MOSHPO on initial Phase I studies (submitted in January), as well as on the Phase I Addendum 2 results (submitted in July). However, we had not yet received comments back on the Phase I Addendum 1 or on a Phase II site evaluation (both submitted in April). I called Ms. Deel to discuss the status of review for these documents. She was under the impression that she had not received them and asked for courtesy copies (PDF via email), which I provided while still on the phone with her. Within the next several hours, she had responded to both. Regarding the Phase I, she agreed with the overall report, but required three minor clarifications. Regarding the Phase II evaluation, she concurred with our study and recommendations. Also, she was subsequently able to locate the paper copies that we had sent her in April.



August 9, 2017

Ms. Judith Deel
Missouri State Historic Preservation Office
1101 Riverside Drive
Jefferson City, Missouri 65101

**Re: Submittal of Updated Phase I Addendum II Report Figures
SHPO Log #: 061-MLT-16
Spire STL Pipeline Project
St. Charles and St. Louis Counties, Missouri**

Dear Ms. Deel:

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 updated Phase I Project figures to accompany the Phase I Addendum II Report submitted to your offices on July 14, 2017 (Scuoteguazza and Hood 2017). 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 19.53 miles are in Missouri.

The updated figures, which replace those submitted to your office on July 14, 2017, show the direct impact Area of Potential Effect ("APE") for archaeological resources in Missouri, which includes a 56- to 300-foot-wide study corridor centered on the proposed pipeline route, a 25- to 100-foot-wide study corridor for access roads, and the footprint for groundbeds, and staging areas. The APE is color-coded to signify areas reported on in Addendum II, previously surveyed areas, areas not surveyed due to land access restrictions, and portions of the proposed pipeline that will be installed via horizontal directional drill.

Additional Phase I fieldwork results for the proposed Project will be submitted to your office in the future as land parcels become available for survey. GAI, on behalf of Spire, is requesting your review and concurrence of the attached Phase I Addendum II Report figures as part of our recent submittal. 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

Lori M. Ferry
Environmental Project Manager

EPS:LMF/djz

Attachments: Attachment 1 (Updated Phase I Addendum II Report Figures)

Reference

Scuoteguazza, Eric P. and Angela Hood
2017 *Technical Report-Addendum II Phase I Archaeological Survey*. GAI Consultants, Inc.
Submitted to Spire STL Pipeline LLC. Copies available from the Missouri State Historic Preservation
Office, Jefferson City.



Missouri Department of dnr.mo.gov
NATURAL RESOURCES
Eric R. Greitens, Governor Carol S. Comer, Director

July 28, 2017

Eric Scuoteguazza
Senior Manager, Cultural resources
GAI Consultants, Inc.
2300 Cabot Drive, Suite 395
Lisle, Illinois 60532-4644

Re: Spire STL Pipeline Project Technical Report Addendum II (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 July 2017 report entitled *Technical Report – Addendum II Phase I Archaeological Survey, Spire STL Pipeline Project, St. Charles and St. Louis Counties, Missouri*. Based on this review it is evident that a thorough and adequate cultural resources survey has been conducted of the additional project area. We concur that archaeological site 23SC2216 may be eligible for inclusion in the National Register of Historic Places. We also concur that there will be **no adverse effect** on the condition that the site is fenced and protected during construction activities at this location.

Please be advised that, should project plans for this location change, information documenting the revisions should be submitted to this office for further review to determine if there may be effects on 23SC2216. 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 Laurie Boros, FERC
Rob Gramke, COE/SL
Chris Koenig, COE/SL

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Missouri Department of dnr.mo.gov
NATURAL RESOURCES
Eric R. Greitens, Governor Carol S. Comer, Director

July 28, 2017

Eric Scuoteguazza
Senior Manager, Cultural resources
GAI Consultants, Inc.
2300 Cabot Drive, Suite 395
Lisle, Illinois 60532-4644

Re: Spire STL Pipeline Project Revised Technical Report (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 July 2017 revised report entitled *Technical Report – Phase I Archaeological Survey, Spire STL Pipeline Project, St. Charles and St. Louis Counties, Missouri*. Based on this review it is evident that a thorough and adequate cultural resources survey has been conducted of the additional project area. We concur that archaeological sites 23SC2215, 23SC2216, 23SC2218 and 23SC2219 may be eligible for inclusion in the National Register of Historic Places under Criterion D, potential to yield information important to the understanding of prehistoric settlement patterns and subsistence strategies.

If at all possible, the proposed project should be designed to avoid these archaeological sites. Plans detailing the redesign of the project corridor should be submitted to this office in order to document the successful avoidance of this site. If avoidance is not feasible, subsurface archaeological testing should be conducted in order to determine if these sites are eligible for inclusion in the National Register of Historic Places. The results of the evaluation should be submitted to the State Historic Preservation Office in accordance with the Council's regulations. Pending completion of this process, no actions should be taken that would foreclose consideration of alternatives to avoid or satisfactorily mitigate any adverse effects to historic properties.

We also concur that sites 23SC2213, 23SC2214, 23SC2217, 23SC2220 and nineteen (19) isolated finds are not eligible for the National Register. 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 Laurie Boros, FERC
Rob Gramke, COE/SL
Chris Koenig, COE/SL



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Missouri Department of Conservation

telephone log



gai consultants

Date: 9/13/17

Project / Admin. No.: E160438.00

Call From: Lori Ferry

Company: Burns & McDonnell

Phone No.: (630) 724-3337

Call To: Matt Vitello

Company: MDOC

Phone No.: (573) 522-4115 ext 3191

Subject: Spire STL Pipeline

cc:

Summary of Discussion, Decisions, and Commitments:

Matt is the new contact at MDOC. They have no further concerns/comments.

Ali Trunzo

Subject: RE: Spire STL Pipeline

From: Matt Vitello [<mailto:Matt.Vitello@mdc.mo.gov>]
Sent: Wednesday, September 13, 2017 3:21 PM
To: Ferry, Lori M <lmferry@burnsmcd.com>
Cc: Audrey Beres <Audrey.Beres@mdc.mo.gov>
Subject: RE: Spire STL Pipeline

Hi Lori,

Here is my contact information. We appreciate your continued engagement on this project. Let me know if you need anything else from us.

Thank you,
Matt Vitello, P.E.
Policy Coordinator
Missouri Department of Conservation
573-522-4115 ext. 3191
matt.vitello@mdc.mo.gov

From: Ferry, Lori M [<mailto:lmferry@burnsmcd.com>]
Sent: Wednesday, September 13, 2017 1:11 PM
To: Audrey Beres
Cc: Ali Trunzo
Subject: Spire STL Pipeline
Importance: High

Hi Audrey

I just left you a voicemail but wanted to follow up with you regarding the Spire STL Pipeline Project and ensure that you all had no further concerns as it relates to the Project.

We copied your office on some species information earlier this summer and wanted to make sure you had no further comments at this time. We understand we still will need to submit a Special Use Permit to you prior to construction for the crossing of the Upper Mississippi River Conservation Area. Our proposed construction is still scheduled for first quarter 2018.

Please give me a call at your earliest convenience.

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: Lori Ferry
Sent: Monday, August 14, 2017 4:03 PM
Cc: Ali Trunzo; Douglas Sipe; Lori Ferry
Subject: Spire STL Pipeline Project-FERC Notice of Schedule
Attachments: 8-3-17 Spire STL_FERC Notice of Schedule.docx

Hello,

Please take notice that the Federal Energy Regulatory Commission (FERC) has issued its Notice of Schedule pertaining to the Spire STL Pipeline Project on August 3, 2017 and expects to issue the Environmental Assessment on or before September 29, 2017.

A copy of the Notice is attached for your reference.

Thank you,
Lori Ferry

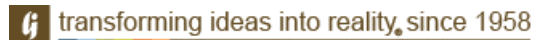
Lori Ferry
Environmental Manager-Energy Business Unit

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



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UNITED STATES OF AMERICA
FEDERAL ENERGY REGULATORY COMMISSION

Spire STL Pipeline Company, LLC

Docket Nos. CP17-40-000
CP17-40-001

NOTICE OF SCHEDULE FOR ENVIRONMENTAL REVIEW
OF THE SPIRE STL PIPELINE PROJECT

(August 3, 2017)

On January 26, 2017, Spire STL Pipeline, LLC (Spire) filed an application in Docket No. CP17-40-000 requesting a Certificate of Public Convenience and Necessity pursuant to Section 7(c) of the Natural Gas Act to construct and operate certain natural gas pipeline facilities. On April 21, 2017, Spire amended its application to incorporate various changes in project routing. The proposed project is known as the Spire STL Pipeline Project (Project), and would link the greater St. Louis Region to a new supply of gas, through transport of about 400,000 dekatherms per day of natural gas service.

On February 6, 2017, the Federal Energy Regulatory Commission (Commission or FERC) issued its Notice of Application for the Project. Among other things, that notice alerted agencies issuing federal authorizations of the requirement to complete all necessary reviews and to reach a final decision on a request for a federal authorization within 90 days of the date of issuance of the Commission staff's Environmental Assessment (EA) for the Project. This instant notice identifies the FERC staff's planned schedule for the completion of the EA for the Project.

Schedule for Environmental Review

Issuance of EA	September 29, 2017
90-day Federal Authorization Decision Deadline	December 28, 2017

If a schedule change becomes necessary, additional notice will be provided so that the relevant agencies are kept informed of the Project's progress.

Project Description

The proposed Project includes (i) about 65 miles of new 24-inch-diameter pipeline in Scott, Greene, and Jersey Counties, Illinois and St. Charles and St. Louis Counties, Missouri, (ii) a new meter station in Scott County, Illinois, (iii) two new meter stations in St. Louis County, Missouri, and (iv) additional piping and pigging facilities at each of the three meter stations.

Background

During the Commission's pre-filing process, on October 26, 2016, the Commission issued a *Notice of Intent to Prepare an Environmental Assessment for the Planned Spire STL Pipeline Project, Request for Comments on Environmental Issues, and Notice of Public Scoping Sessions*. Subsequent to this notice, Spire filed a potential pipeline route alternative in St. Louis County, Missouri. Therefore, on March 3, 2017, the Commission issued a *Supplemental Notice of Intent to Prepare an Environmental Assessment for the Proposed Spire STL Pipeline Project and Request for Comments on Environmental Issues*. These two notices were published in the Federal Register¹ and mailed to 1,141 and 342 interested parties, respectively, including affected landowners; federal, state, and local government agencies; elected officials; environmental and public interest groups; Native American tribes; other interested parties; and local libraries and newspapers. In response to these two notices, the Commission received comments from The U.S. Environmental Protection Agency, the National Park Service, Missouri Department of Conservation, Missouri Department of Natural Resources, Osage Nation Historic Preservation Office, the Miami Tribe of Oklahoma, the Winnebago Tribe, several labor unions, and 13 landowners. The primary issues raised by the commentors include concerns for the proposed crossing of the Mississippi River regarding contamination of a public water source, construction on steep slopes, opposition to the Chautauqua alternative, concerns for impacts on the Upper Mississippi River Conservation Area, land held in conservation easement/habitat programs (specifically the conservation reserve and quail habitat programs), historic trails, Principia College/Three Rivers Community Farm, and safety.

The U.S. Army Corps of Engineers and Illinois Department of Agriculture are cooperating agencies in the preparation of the EA.

Additional Information

In order to receive notification of the issuance of the EA and to keep track of all formal issuances and submittals in specific dockets, the Commission offers a free service called eSubscription. This can reduce the amount of time you spend researching proceedings by automatically providing you with notification of these filings, document summaries, and direct links to the documents. Go to www.ferc.gov/docs-filing/esubscription.asp.

Additional information about the Project is available from the Commission's Office of External Affairs at (866) 208-FERC or on the FERC website (www.ferc.gov). Using the "eLibrary" link, select "General Search" from the eLibrary menu, enter the selected date range and "Docket Number" excluding the last three digits (i.e., CP17-40),

¹ 81 Federal Register 31922

and follow the instructions. For assistance with access to eLibrary, the helpline can be reached at (866) 208-3676, TTY (202) 502-8659, or at FERCOnlineSupport@ferc.gov. The eLibrary link on the FERC website also provides access to the texts of formal documents issued by the Commission, such as orders, notices, and rule makings.

Kimberly D. Bose,
Secretary.

Ali Trunzo

From: Lori Ferry
Sent: Monday, August 14, 2017 4:24 PM
To: audrey.beres@mdc.mo.gov
Cc: Ali Trunzo
Subject: FW: Spire STL Pipeline-Bald Eagle Survey Results
Attachments: Spire - Bald Eagle Report Table 1_Aug 2017(1).pdf

Hi Audrey
Hope this email finds you well.

Just wanted to keep you in the loop with our recent submittal to the USFWS regarding the completion of our bald eagle nest surveys. We have surveyed the Project areas and have not identified any bald eagle nests.

Please let me know if you should have any questions or need any further information.

Thanks,
Lori Ferry

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

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Transmittal

2300 Cabot Suite 395, Lisle, IL 60532

PROJECT: E160438.00 - Spire - STL Pipeline Proj
E160438.00

DATE: 7/17/2017

SUBJECT: Spire STL Pipeline-FERC July Supplemental Filing

TRANSMITTAL ID: 00054

PURPOSE: For your review and comment

VIA: Info Exchange

FROM

NAME	COMPANY	EMAIL	PHONE
Lori Ferry 2300 Cabot Suite 395 Lisle, IL 60532	GAI Consultants, Inc.	L.Ferry@gaiconsultants.com	+13313012002

TO

NAME	COMPANY	EMAIL	PHONE
Laszewski.virginia@epa.gov		Laszewski.virginia@epa.gov	
joe.phillippe@illinois.gov		joe.phillippe@illinois.gov	
judith.Deel@dnr.mo.gov		judith.Deel@dnr.mo.gov	
summerlin.joe@epa.gov		summerlin.joe@epa.gov	
edward.c.rodriquezrobles@usace.army.mil		edward.c.rodriquezrobles@usace.army.mil	
kristen_lundh@fws.gov		kristen_lundh@fws.gov	
trisha_crabill@fws.gov		trisha_crabill@fws.gov	
david.p.meyer@usace.army.mil		david.p.meyer@usace.army.mil	
terry.savko@illinois.gov		terry.savko@illinois.gov	
darin.lecrone@illinois.gov		darin.lecrone@illinois.gov	
audrey.beres@mdc.mo.gov		audrey.beres@mdc.mo.gov	
keith.shank@illinois.gov		keith.shank@illinois.gov	
rachel.leibowitz@illinois.gov		rachel.leibowitz@illinois.gov	
dan.heacock@illinois.gov		dan.heacock@illinois.gov	
Lanny.M.Pricer@usace.army.mil		Lanny.M.Pricer@usace.army.mil	

REMARKS: Hi Everyone
Please find the links to download all the PUBLIC information associated with Spire STL Pipeline's recent supplemental filing made to FERC on July 14, 2017.

Transmittal

DATE: 7/17/2017
TRANSMITTAL ID: 00054

if you have any trouble downloading these files, please let me know. As with previous filings, electronic copies will be arriving in your offices this week.

Thank you,
Lori Ferry

DESCRIPTION OF CONTENTS

QTY	DATED	TITLE	NOTES
1	7/14/2017	07-14-17 Spire STL_App 1-B_Alignments (1)_PUBLIC.pdf	
1	7/14/2017	07-14-17 Spire STL_App 1-B_Alignments (2)_PUBLIC.pdf	
1	7/14/2017	07-14-17 Spire STL_App 1-F_Facilities_PUBLIC.pdf	
1	7/14/2017	07-14-17 Spire STL_App 2-D_Waterbodies_PUBLIC.pdf	
1	7/14/2017	07-14-17 Spire STL_App 2-F (1)_PUBLIC.pdf	
1	7/14/2017	07-14-17 Spire STL_App 2-F (2)_PUBLIC.pdf	
1	7/14/2017	07-14-17 Spire STL_App 8-D_Land Use_PUBLIC.pdf	
1	7/14/2017	07-14-17 Spire STL_SUPPLEMENT_PUBLIC.pdf	



Scott County, Illinois

Ali Trunzo

From: Lori Ferry
Sent: Monday, August 14, 2017 4:03 PM
Cc: Ali Trunzo; Douglas Sipe; Lori Ferry
Subject: Spire STL Pipeline Project-FERC Notice of Schedule
Attachments: 8-3-17 Spire STL_FERC Notice of Schedule.docx

Hello,

Please take notice that the Federal Energy Regulatory Commission (FERC) has issued its Notice of Schedule pertaining to the Spire STL Pipeline Project on August 3, 2017 and expects to issue the Environmental Assessment on or before September 29, 2017.

A copy of the Notice is attached for your reference.

Thank you,
Lori Ferry

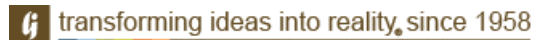
Lori Ferry
Environmental Manager-Energy Business Unit

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



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UNITED STATES OF AMERICA
FEDERAL ENERGY REGULATORY COMMISSION

Spire STL Pipeline Company, LLC

Docket Nos. CP17-40-000
CP17-40-001

NOTICE OF SCHEDULE FOR ENVIRONMENTAL REVIEW
OF THE SPIRE STL PIPELINE PROJECT

(August 3, 2017)

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Schedule for Environmental Review

Issuance of EA	September 29, 2017
90-day Federal Authorization Decision Deadline	December 28, 2017

If a schedule change becomes necessary, additional notice will be provided so that the relevant agencies are kept informed of the Project's progress.

Project Description

The proposed Project includes (i) about 65 miles of new 24-inch-diameter pipeline in Scott, Greene, and Jersey Counties, Illinois and St. Charles and St. Louis Counties, Missouri, (ii) a new meter station in Scott County, Illinois, (iii) two new meter stations in St. Louis County, Missouri, and (iv) additional piping and pigging facilities at each of the three meter stations.

Background

During the Commission's pre-filing process, on October 26, 2016, the Commission issued a *Notice of Intent to Prepare an Environmental Assessment for the Planned Spire STL Pipeline Project, Request for Comments on Environmental Issues, and Notice of Public Scoping Sessions*. Subsequent to this notice, Spire filed a potential pipeline route alternative in St. Louis County, Missouri. Therefore, on March 3, 2017, the Commission issued a *Supplemental Notice of Intent to Prepare an Environmental Assessment for the Proposed Spire STL Pipeline Project and Request for Comments on Environmental Issues*. These two notices were published in the Federal Register¹ and mailed to 1,141 and 342 interested parties, respectively, including affected landowners; federal, state, and local government agencies; elected officials; environmental and public interest groups; Native American tribes; other interested parties; and local libraries and newspapers. In response to these two notices, the Commission received comments from The U.S. Environmental Protection Agency, the National Park Service, Missouri Department of Conservation, Missouri Department of Natural Resources, Osage Nation Historic Preservation Office, the Miami Tribe of Oklahoma, the Winnebago Tribe, several labor unions, and 13 landowners. The primary issues raised by the commentors include concerns for the proposed crossing of the Mississippi River regarding contamination of a public water source, construction on steep slopes, opposition to the Chautauqua alternative, concerns for impacts on the Upper Mississippi River Conservation Area, land held in conservation easement/habitat programs (specifically the conservation reserve and quail habitat programs), historic trails, Principia College/Three Rivers Community Farm, and safety.

The U.S. Army Corps of Engineers and Illinois Department of Agriculture are cooperating agencies in the preparation of the EA.

Additional Information

In order to receive notification of the issuance of the EA and to keep track of all formal issuances and submittals in specific dockets, the Commission offers a free service called eSubscription. This can reduce the amount of time you spend researching proceedings by automatically providing you with notification of these filings, document summaries, and direct links to the documents. Go to www.ferc.gov/docs-filing/esubscription.asp.

Additional information about the Project is available from the Commission's Office of External Affairs at (866) 208-FERC or on the FERC website (www.ferc.gov). Using the "eLibrary" link, select "General Search" from the eLibrary menu, enter the selected date range and "Docket Number" excluding the last three digits (i.e., CP17-40),

¹ 81 Federal Register 31922

and follow the instructions. For assistance with access to eLibrary, the helpline can be reached at (866) 208-3676, TTY (202) 502-8659, or at FERCOnlineSupport@ferc.gov. The eLibrary link on the FERC website also provides access to the texts of formal documents issued by the Commission, such as orders, notices, and rule makings.

Kimberly D. Bose,
Secretary.



Greene County, Illinois

From: Lori Ferry
Sent: Monday, August 14, 2017 4:03 PM
Cc: Ali Trunzo; Douglas Sipe; Lori Ferry
Subject: Spire STL Pipeline Project-FERC Notice of Schedule
Attachments: 8-3-17 Spire STL_FERC Notice of Schedule.docx






Hello,

Please take notice that the Federal Energy Regulatory Commission (FERC) has issued its Notice of Schedule pertaining to the Spire STL Pipeline Project on August 3, 2017 and expects to issue the Environmental Assessment on or before September 29, 2017.

A copy of the Notice is attached for your reference.

Thank you,
Lori Ferry

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



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UNITED STATES OF AMERICA
FEDERAL ENERGY REGULATORY COMMISSION

Spire STL Pipeline Company, LLC

Docket Nos. CP17-40-000
CP17-40-001

NOTICE OF SCHEDULE FOR ENVIRONMENTAL REVIEW
OF THE SPIRE STL PIPELINE PROJECT

(August 3, 2017)

On January 26, 2017, Spire STL Pipeline, LLC (Spire) filed an application in Docket No. CP17-40-000 requesting a Certificate of Public Convenience and Necessity pursuant to Section 7(c) of the Natural Gas Act to construct and operate certain natural gas pipeline facilities. On April 21, 2017, Spire amended its application to incorporate various changes in project routing. The proposed project is known as the Spire STL Pipeline Project (Project), and would link the greater St. Louis Region to a new supply of gas, through transport of about 400,000 dekatherms per day of natural gas service.

On February 6, 2017, the Federal Energy Regulatory Commission (Commission or FERC) issued its Notice of Application for the Project. Among other things, that notice alerted agencies issuing federal authorizations of the requirement to complete all necessary reviews and to reach a final decision on a request for a federal authorization within 90 days of the date of issuance of the Commission staff's Environmental Assessment (EA) for the Project. This instant notice identifies the FERC staff's planned schedule for the completion of the EA for the Project.

Schedule for Environmental Review

Issuance of EA	September 29, 2017
90-day Federal Authorization Decision Deadline	December 28, 2017

If a schedule change becomes necessary, additional notice will be provided so that the relevant agencies are kept informed of the Project's progress.

Project Description

The proposed Project includes (i) about 65 miles of new 24-inch-diameter pipeline in Scott, Greene, and Jersey Counties, Illinois and St. Charles and St. Louis Counties, Missouri, (ii) a new meter station in Scott County, Illinois, (iii) two new meter stations in St. Louis County, Missouri, and (iv) additional piping and pigging facilities at each of the three meter stations.

Background

During the Commission's pre-filing process, on October 26, 2016, the Commission issued a *Notice of Intent to Prepare an Environmental Assessment for the Planned Spire STL Pipeline Project, Request for Comments on Environmental Issues, and Notice of Public Scoping Sessions*. Subsequent to this notice, Spire filed a potential pipeline route alternative in St. Louis County, Missouri. Therefore, on March 3, 2017, the Commission issued a *Supplemental Notice of Intent to Prepare an Environmental Assessment for the Proposed Spire STL Pipeline Project and Request for Comments on Environmental Issues*. These two notices were published in the Federal Register¹ and mailed to 1,141 and 342 interested parties, respectively, including affected landowners; federal, state, and local government agencies; elected officials; environmental and public interest groups; Native American tribes; other interested parties; and local libraries and newspapers. In response to these two notices, the Commission received comments from The U.S. Environmental Protection Agency, the National Park Service, Missouri Department of Conservation, Missouri Department of Natural Resources, Osage Nation Historic Preservation Office, the Miami Tribe of Oklahoma, the Winnebago Tribe, several labor unions, and 13 landowners. The primary issues raised by the commentors include concerns for the proposed crossing of the Mississippi River regarding contamination of a public water source, construction on steep slopes, opposition to the Chautauqua alternative, concerns for impacts on the Upper Mississippi River Conservation Area, land held in conservation easement/habitat programs (specifically the conservation reserve and quail habitat programs), historic trails, Principia College/Three Rivers Community Farm, and safety.

The U.S. Army Corps of Engineers and Illinois Department of Agriculture are cooperating agencies in the preparation of the EA.

Additional Information

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Additional information about the Project is available from the Commission's Office of External Affairs at (866) 208-FERC or on the FERC website (www.ferc.gov). Using the "eLibrary" link, select "General Search" from the eLibrary menu, enter the selected date range and "Docket Number" excluding the last three digits (i.e., CP17-40),

¹ 81 Federal Register 31922

and follow the instructions. For assistance with access to eLibrary, the helpline can be reached at (866) 208-3676, TTY (202) 502-8659, or at FERCOnlineSupport@ferc.gov. The eLibrary link on the FERC website also provides access to the texts of formal documents issued by the Commission, such as orders, notices, and rule makings.

Kimberly D. Bose,
Secretary.



Jersey County, Illinois

Ali Trunzo

Subject: RE: Jersey County - Development Permit Exemption for Oil and Gas Related Construction Activities

From: Jersey County Code Administrator [<mailto:codeadmin1@jerseycounty-il.us>]

Sent: Monday, September 25, 2017 3:59 PM

To: Matt Tanner <M.Tanner@gaiconsultants.com>

Subject: RE: Jersey County - Development Permit Exemption for Oil and Gas Related Construction Activities

Matt,
I think that pretty much covers it.
Cindy

From: Matt Tanner [<mailto:M.Tanner@gaiconsultants.com>]

Sent: Monday, September 25, 2017 2:27 PM

To: Jersey County Code Administrator

Cc: Ferry, Lori M; Robin Weissert; Ali Trunzo

Subject: RE: Jersey County - Development Permit Exemption for Oil and Gas Related Construction Activities

Ms. Cregmiles,

Thank you for speaking with me today. I wanted to send this email to confirm our conversation regarding the County's development permit exemption letter for the Spire STL Pipeline Project (Project) received on Friday, September 22, 2017. As I mentioned on the phone, we wanted to get clarification on the County's inclusion of the Floodplain Development Permit with the exemption from the Stormwater Management & Development Permit that Spire had previously requested. You indicated that this Floodplain Development Permit exemption was for the fee. You said that you still want Spire to submit the Floodplain Development Permit application as documentation for the County's files. However, the Floodplain Development Permit fee will be waived by Jersey County.

Also during our conversation, I asked whether Spire would also be required to submit the Stormwater Management & Development Permit application. You indicated that much of the information on the Floodplain Development Permit applications covers what would be shown on the Stormwater Management & Development Permit application and only the Floodplain Development Permit would need to be submitted for the Project. I explained that we plan to submit figures for the Floodplain Development Permit showing the areas that are within the floodplain and the limits of the project in these areas. I asked whether the County would also want copies of the Project Erosion and Sediment Control Plans for your records or if Spire would only need to submit the figures included in the Floodplain Development Permit application. You indicated that the erosion and sediment control plans would not need to be submitted. Only the floodplain figures will need to be submitted.

If I misunderstood or left out anything that we discussed today, please let me know.

Thank you again 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

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From: Jersey County Code Administrator [<mailto:codeadmin1@jerseycounty-il.us>]
Sent: Friday, September 22, 2017 10:30 AM
To: Matt Tanner <M.Tanner@gaiconsultants.com>
Cc: 'Blackorby, Jeff - NRCS-CD, Jerseyville, IL' <Jeff.Blackorby@il.nacdnet.net>; Derek Russell <codeadmin@jerseycounty-il.us>; 'Tom Klasner' <tklasner@jerseycounty-il.us>
Subject: RE: Jersey County - Development Permit Exemption for Oil and Gas Related Construction Activities

Mr. Tanner,

Let me know if this is sufficient or if you have any questions.

Thank you,
Cindy

From: Matt Tanner [<mailto:M.Tanner@gaiconsultants.com>]
Sent: Thursday, September 14, 2017 4:07 PM
To: Jersey County Code Administrator
Cc: Ali Trunzo; Ferry, Lori M
Subject: FW: Jersey County - Development Permit Exemption for Oil and Gas Related Construction Activities

Ms. Cregmiles,

Thank you. If the board chairman determines that it needs to go before the full board and the committee agrees with the exemption, is there a way for the board to review prior to the next scheduled meeting in October? Or can those board meetings only occur on the regularly scheduled dates?

Thank you again for your assistance with 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

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From: Jersey County Code Administrator [<mailto:codeadmin1@jerseycounty-il.us>]
Sent: Thursday, September 14, 2017 4:56 PM



Jersey County Board

Donald R. Little, Chairman
Sandy Hefner, Vice-Chairman

jerseycountyillinois.us

200 North Lafayette St., Suite 3
Jerseyville, IL 62052
618.498.5571 x101
Fax 618.498.8735

September 18, 2017

Mr. Matthew Tanner, P.E.
Senior Project Engineer
GAI Consultants
300 Summers St., Ste. 1100
Charleston, WV 25301

Dear Mr. Tanner:

I have been advised by Cindy Cregmiles, our County Code Administrator and Certified Floodplain Manager for Jersey County that she has been in conversation with GAI Consultants and as the Senior Project Engineer for Spire STL Pipeline; you have made a request for exemptions from the County's Stormwater Management & Development Permit and Floodplain Development Permit.

The exemption request stems from the Federal [40 CFR 122.26 (a) (2)] and State NPDES [CWA 402. (1)(2)] Permit that is existing exemptions for oil and gas related construction. It is understood that the County would encourage Spire STL Pipeline to implement and maintain Best Management Practices (BMPs) to minimize flood damage, flood-proving measurements, and 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 seasonal or climate conditions.

The exemption of the permits are hereby approved, however requested documentation that Mrs. Cregmiles feels should be provided for the best interests of the County shall be supplied.

With Best Regards,

Donald R. Little,
Chairman, Jersey County Board

Cc: Cindy Cregmiles, County Code Admin
Jeff Blackorby, Jersey County Soil & Water

Board Members:

Mary Kirbach – Wayne Schell – Benjamin Heitzig – Ron Henerfouth – Ed Koenig – Brian Kanallakan –
Donald R. Little - Rhonda Linders – Sandy Hefner – Ashley Rowling Evans – Scott Tonsor – Gary Krueger

Ali Trunzo

Subject: RE: Jersey County - Development Permit Exemption for Oil and Gas Related Construction Activities

From: Jersey County Code Administrator [<mailto:codeadmin1@jerseycounty-il.us>]
Sent: Friday, September 15, 2017 8:11 AM
To: Matt Tanner <M.Tanner@gaiconsultants.com>
Subject: RE: Jersey County - Development Permit Exemption for Oil and Gas Related Construction Activities

No the board meetings are scheduled only on the 2nd Tues. of each month.

From: Matt Tanner [<mailto:M.Tanner@gaiconsultants.com>]
Sent: Thursday, September 14, 2017 4:07 PM
To: Jersey County Code Administrator
Cc: Ali Trunzo; Ferry, Lori M
Subject: FW: Jersey County - Development Permit Exemption for Oil and Gas Related Construction Activities

Ms. Cregmiles,

Thank you. If the board chairman determines that it needs to go before the full board and the committee agrees with the exemption, is there a way for the board to review prior to the next scheduled meeting in October? Or can those board meetings only occur on the regularly scheduled dates?

Thank you again for your assistance with 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

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From: Jersey County Code Administrator [<mailto:codeadmin1@jerseycounty-il.us>]
Sent: Thursday, September 14, 2017 4:56 PM
To: Matt Tanner <M.Tanner@gaiconsultants.com>
Subject: RE: Jersey County - Development Permit Exemption for Oil and Gas Related Construction Activities

Matt-

I have sent the e-mail to the board chairman to request the exemption and his opinion as to whether the exemption request would need to go before the full board. *If* this should happen, we can get the committee meeting scheduled prior to the next board meeting and get it on the agenda for Oct. meeting.

From: Matt Tanner [<mailto:M.Tanner@gaiconsultants.com>]
Sent: Thursday, September 14, 2017 3:12 PM
To: Jersey County Code Administrator
Cc: Ferry, Lori M; Ali Trunzo; Robin Weissert
Subject: RE: Jersey County - Development Permit Exemption for Oil and Gas Related Construction Activities

Ms. Cregmiles,

I had a follow up question regarding schedule for the County's review of this exemption request. The County Board meets on the 2nd Tuesday of each month. Correct? In the event that the exemption does need to go before the full Board, is there a way to expedite the review schedule have Spire's request reviewed prior to the next meeting in October? I understand that there are public meeting notice requirements that need to be followed.

Thank you

Matthew T. Tanner, P.E.
Senior Project Engineer

300 Summers Street, Suite 1100, Charleston, WV 25301
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From: Matt Tanner
Sent: Thursday, September 14, 2017 3:11 PM
To: 'Jersey County Code Administrator' <codeadmin1@jerseycounty-il.us>
Cc: Ferry, Lori M <lmferry@burnsmcd.com>; Ali Trunzo <A.Trunzo@gaiconsultants.com>; Robin Weissert <R.Weissert@gaiconsultants.com>
Subject: FW: Jersey County - Development Permit Exemption for Oil and Gas Related Construction Activities

Ms. Cregmiles,

As requested during our conversation, please see the email below regarding the NPDES construction stormwater exemption. I understand that you will need to take this information before your County Board Chair. If you have any additional questions regarding this please 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

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From: Matt Tanner
Sent: Wednesday, August 23, 2017 8:48 AM
To: 'Jersey County Code Administrator' <codeadmin1@jerseycounty-il.us>
Cc: Lori Ferry <L.Ferry@gaiconsultants.com>; Ali Trunzo <A.Trunzo@gaiconsultants.com>
Subject: Jersey County - Development Permit Exemption for Oil and Gas Related Construction Activities

Ms. Cregmiles,

We appreciate you taking the time to meet with us last week to discuss the Spire STL Pipeline project and the Jersey County permitting requirements. As discussed during the meeting, Spire believes that the Spire STL Pipeline project would be exempt from Jersey County Development Permit requirements due to existing exemptions from National Pollutant Discharge Elimination System (NPDES) construction stormwater permitting for oil and gas activities at both the Federal and State level. Spire is requesting an exemption from the Jersey County Development Permit as well. This email is intended to provide you with additional information on the Federal and State of Illinois 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>

Based on language in Section 1.1.0 of the *Ordinance Providing for the Control of Stormwater Drainage and Detention, Soil Erosion, and Sediment Control within the Unincorporated Areas of Jersey County, Illinois* (September 8, 2009), it is Spire's understanding that the ordinance was developed to comply with the Municipal Separate Storm Sewer System (MS4) General NPDES Permit No. ILR40 that Jersey County has through the Illinois EPA. The Illinois EPA currently recognizes the Federal exemption from NPDES permitting for oil and gas activities. Therefore, Spire believes that the oil and gas exemption would also apply to the land disturbance permit requirements under the Jersey County ordinance.

As discussed during our meeting, Spire plans to implement erosion and sediment control best management practices (BMPs) during construction even if a Development 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 road entrance permits regardless of whether the County grants an exemption from the Development 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

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telephone log



gai consultants

Date: 09/14/2017

Project / Admin. No.: E160438.00

Call From: Matt Tanner

Company: GAI Consultants

Phone No.: 681-245-8854

Call To: Cindy Cregmiles, Code Administrator

Company: Jersey County, Illinois

Phone No.: 618-498-5571 x146

Subject: County Land Disturbance Permit Exemption and Floodplain Permit Questions

cc:

Summary of Discussion, Decisions, and Commitments:

I called Ms. Cindy Cregmiles to follow up on Spire's request for exemption from the Land Disturbance Permit as it was unclear from the email received from the County on September 7, 2017 whether the County approved the exemption. An email received on September 14, 2017 contained a copy of the floodplain permit application and a statement about waiving the permit and application fees, but did not include any information on the County's permit exemption decision. This phone call was also intended to ask questions on the floodplain permit application.

When I spoke with Ms. Cregmiles regarding the exemption request I discovered that she had misinterpreted the request and had thought that the request was only a request for waiver of the fees, not a full exemption from the land disturbance permit. She asked me to resend the request email previously sent on August 23, 2017. She also said that she would need to review the information with the County Board Chairman and together decide whether the request would need to the full County board. I resent the exemption request information via email on September 14, 2017.

With regards to the floodplain permit application we discussed the following items:

Floodproofing Measures: Ms. Cregmiles confirmed that the application would need to address floodproofing measures even though the aboveground activities and equipment storage within the flood zones are temporary.

Emergency Evacuation Plan: I told Ms. Cregmiles that I didn't think that an emergency response plan was available at this point, but that we would include it in the application if it was. I told her that I thought that such a plan would likely be prepared by Spire and the contractor, once a contractor had been selected. She said that they wanted a copy of the plan in case a flood event were to occur.

No-Rise Certification: I asked Ms. Cregmiles if the County had a specific form for the no-rise certification. She said that we could use the form available on the FEMA website.

404 Permit Submittal: We also discussed the 404 permit approvals required for the permit. The application asks for copies of permit approvals from both IDNR and the US Army Corps. of Engineers. Ms. Cregmiles mentioned that IDNR had notified her of their approval, but I told her that Corps 404 permit approval probably wouldn't be available until after our permit application was submitted. I told that there were some adjustments going on elsewhere on the project that could affect that permit. Based on our conversation, the permit approvals would need to be submitted, but she would be ok with submitting the Corps approval once it is received.

Property Location: I asked her to confirm that property locations for both floodplain encroachments would be needed. She said that we can use the property numbers. She did indicate that it was ok if the latitude and longitudes were left off the form.

Ali Trunzo

Subject: Spire

From: Jersey County Code Administrator [<mailto:codeadmin1@jerseycounty-il.us>]

Sent: Thursday, September 14, 2017 8:34 AM

To: Matt Tanner <M.Tanner@gaiconsultants.com>

Cc: Derek Russell <codeadmin@jerseycounty-il.us>

Subject: Spire

Hello Matt,

Please see the attached Development permit. Fill out what applies to your project. I am waiving the fee for application and permit. If you have questions, call or e-mail me. Thanks, Cindy

Cindy Cregmiles, CFM

Certified Floodplain Manager

Jersey County Code Administrator

200 N. Lafayette St., Suite 6

Jerseyville, IL 62052

618-498-5571 Ext 146

Cell #618-535-0909

Fax # 618-498-2375

www.jerseycountyillinois.us



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Ali Trunzo

From: Matt Tanner
Sent: Thursday, September 07, 2017 11:07 AM
To: Jersey County Code Administrator
Cc: Derek Russell; Ferry, Lori M; Ali Trunzo
Subject: RE: pipeline review

Ms. Cregmiles,

Thank you for your review of the information. Can you please clarify whether the County agrees with Spire's request that the project would be exempted from the Jersey County Development Permit for land disturbance? We understand that the Floodplain Development Permit is required.

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

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From: Jersey County Code Administrator [mailto:codeadmin1@jerseycounty-il.us]
Sent: Thursday, September 07, 2017 10:00 AM
To: Matt Tanner <M.Tanner@gaiconsultants.com>
Cc: Derek Russell <codeadmin@jerseycounty-il.us>
Subject: pipeline review

Good morning Matt,

We have reviewed the information that we received and Mr. Blackorby and I do not have any issues with the project. Mr. Klasner, the County Highway Engineer will be working with representatives regarding the roads, bridges and culverts.

Thank you,

Cindy Cregmiles, CFM
Certified Floodplain Manager
Jersey County Code Administrator
200 N. Lafayette St., Suite 6
Jerseyville, IL 62052
618-498-5571 Ext 146

Cell #618-535-0909

Fax # 618-498-2375

www.jerseycountyillinois.us



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telephone log



gai consultants

Date: 09/06/2017

Project / Admin. No.: E160438.00

Call From: Matt Tanner

Company: GAI Consultants

Phone No.: 681-245-8854

Call To: Cindy Cregmiles, Code Administrator

Company: Jersey County, Illinois

Phone No.: 618-498-5571 x146

Subject: County Land Disturbance Permit Exemption Email Follow-Up

cc:

Summary of Discussion, Decisions, and Commitments:

I called Ms. Cindy Cregmiles to follow up on the email that we sent to her on August 23, 2017 regarding Spire's request for exemption from Jersey County Land Disturbance permit requirements. Ms. Cregmiles said that she had been very busy and had not had a chance to look at the information that was provided. When asked when she thought that she'd have time to look at it, she said that she'll try to get to it by the end of the week. She also mentioned that she had a meeting with Principia Thursday morning, but gave no specifics.

I also asked her if she could email me an electronic copy of the floodplain permit application form. She said that she would.

Ali Trunzo

Subject: RE: Jersey County Code Administrator

From: Derek Russell [<mailto:codeadmin@jerseycounty-il.us>]

Sent: Wednesday, August 23, 2017 3:19 PM

To: Matt Tanner <M.Tanner@gaiconsultants.com>

Subject: Jersey County Code Administrator

Hi Matt,

I have received the e-mail that you sent Cindy regarding the pipeline information. Cindy is currently out of the office this week so we will review the information and start the process when she returns. I just wanted to sent you an e-mail letting you know that it has been received.

Thank you for the information,

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: Wednesday, August 23, 2017 8:49 AM
To: Jersey County Code Administrator
Cc: Lori Ferry; Ali Trunzo
Subject: Jersey County - Development Permit Exemption for Oil and Gas Related Construction Activities

Ms. Cregmiles,

We appreciate you taking the time to meet with us last week to discuss the Spire STL Pipeline project and the Jersey County permitting requirements. As discussed during the meeting, Spire believes that the Spire STL Pipeline project would be exempt from Jersey County Development Permit requirements due to existing exemptions from National Pollutant Discharge Elimination System (NPDES) construction stormwater permitting for oil and gas activities at both the Federal and State level. Spire is requesting an exemption from the Jersey County Development Permit as well. This email is intended to provide you with additional information on the Federal and State of Illinois 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>

Based on language in Section 1.1.0 of the *Ordinance Providing for the Control of Stormwater Drainage and Detention, Soil Erosion, and Sediment Control within the Unincorporated Areas of Jersey County, Illinois* (September 8, 2009), it is Spire's understanding that the ordinance was developed to comply with the Municipal Separate Storm Sewer System (MS4) General NPDES Permit No. ILR40 that Jersey County has through the Illinois EPA. The Illinois EPA currently recognizes the Federal exemption from NPDES permitting for oil and gas activities. Therefore, Spire believes that the oil and gas exemption would also apply to the land disturbance permit requirements under the Jersey County ordinance.

As discussed during our meeting, Spire plans to implement erosion and sediment control best management practices (BMPs) during construction even if a Development 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 road entrance permits regardless of whether the County grants an exemption from the Development 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

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Ali Trunzo

From: Lori Ferry
Sent: Monday, August 14, 2017 4:03 PM
Cc: Ali Trunzo; Douglas Sipe; Lori Ferry
Subject: Spire STL Pipeline Project-FERC Notice of Schedule
Attachments: 8-3-17 Spire STL_FERC Notice of Schedule.docx

Hello,

Please take notice that the Federal Energy Regulatory Commission (FERC) has issued its Notice of Schedule pertaining to the Spire STL Pipeline Project on August 3, 2017 and expects to issue the Environmental Assessment on or before September 29, 2017.

A copy of the Notice is attached for your reference.

Thank you,
Lori Ferry

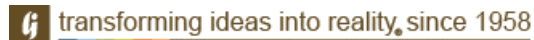
Lori Ferry
Environmental Manager-Energy Business Unit

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



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UNITED STATES OF AMERICA
FEDERAL ENERGY REGULATORY COMMISSION

Spire STL Pipeline Company, LLC

Docket Nos. CP17-40-000
CP17-40-001

NOTICE OF SCHEDULE FOR ENVIRONMENTAL REVIEW
OF THE SPIRE STL PIPELINE PROJECT

(August 3, 2017)

On January 26, 2017, Spire STL Pipeline, LLC (Spire) filed an application in Docket No. CP17-40-000 requesting a Certificate of Public Convenience and Necessity pursuant to Section 7(c) of the Natural Gas Act to construct and operate certain natural gas pipeline facilities. On April 21, 2017, Spire amended its application to incorporate various changes in project routing. The proposed project is known as the Spire STL Pipeline Project (Project), and would link the greater St. Louis Region to a new supply of gas, through transport of about 400,000 dekatherms per day of natural gas service.

On February 6, 2017, the Federal Energy Regulatory Commission (Commission or FERC) issued its Notice of Application for the Project. Among other things, that notice alerted agencies issuing federal authorizations of the requirement to complete all necessary reviews and to reach a final decision on a request for a federal authorization within 90 days of the date of issuance of the Commission staff's Environmental Assessment (EA) for the Project. This instant notice identifies the FERC staff's planned schedule for the completion of the EA for the Project.

Schedule for Environmental Review

Issuance of EA	September 29, 2017
90-day Federal Authorization Decision Deadline	December 28, 2017

If a schedule change becomes necessary, additional notice will be provided so that the relevant agencies are kept informed of the Project's progress.

Project Description

The proposed Project includes (i) about 65 miles of new 24-inch-diameter pipeline in Scott, Greene, and Jersey Counties, Illinois and St. Charles and St. Louis Counties, Missouri, (ii) a new meter station in Scott County, Illinois, (iii) two new meter stations in St. Louis County, Missouri, and (iv) additional piping and pigging facilities at each of the three meter stations.

Background

During the Commission's pre-filing process, on October 26, 2016, the Commission issued a *Notice of Intent to Prepare an Environmental Assessment for the Planned Spire STL Pipeline Project, Request for Comments on Environmental Issues, and Notice of Public Scoping Sessions*. Subsequent to this notice, Spire filed a potential pipeline route alternative in St. Louis County, Missouri. Therefore, on March 3, 2017, the Commission issued a *Supplemental Notice of Intent to Prepare an Environmental Assessment for the Proposed Spire STL Pipeline Project and Request for Comments on Environmental Issues*. These two notices were published in the Federal Register¹ and mailed to 1,141 and 342 interested parties, respectively, including affected landowners; federal, state, and local government agencies; elected officials; environmental and public interest groups; Native American tribes; other interested parties; and local libraries and newspapers. In response to these two notices, the Commission received comments from The U.S. Environmental Protection Agency, the National Park Service, Missouri Department of Conservation, Missouri Department of Natural Resources, Osage Nation Historic Preservation Office, the Miami Tribe of Oklahoma, the Winnebago Tribe, several labor unions, and 13 landowners. The primary issues raised by the commentors include concerns for the proposed crossing of the Mississippi River regarding contamination of a public water source, construction on steep slopes, opposition to the Chautauqua alternative, concerns for impacts on the Upper Mississippi River Conservation Area, land held in conservation easement/habitat programs (specifically the conservation reserve and quail habitat programs), historic trails, Principia College/Three Rivers Community Farm, and safety.

The U.S. Army Corps of Engineers and Illinois Department of Agriculture are cooperating agencies in the preparation of the EA.

Additional Information

In order to receive notification of the issuance of the EA and to keep track of all formal issuances and submittals in specific dockets, the Commission offers a free service called eSubscription. This can reduce the amount of time you spend researching proceedings by automatically providing you with notification of these filings, document summaries, and direct links to the documents. Go to www.ferc.gov/docs-filing/esubscription.asp.

Additional information about the Project is available from the Commission's Office of External Affairs at (866) 208-FERC or on the FERC website (www.ferc.gov). Using the "eLibrary" link, select "General Search" from the eLibrary menu, enter the selected date range and "Docket Number" excluding the last three digits (i.e., CP17-40),

¹ 81 Federal Register 31922

and follow the instructions. For assistance with access to eLibrary, the helpline can be reached at (866) 208-3676, TTY (202) 502-8659, or at FERCOnlineSupport@ferc.gov. The eLibrary link on the FERC website also provides access to the texts of formal documents issued by the Commission, such as orders, notices, and rule makings.

Kimberly D. Bose,
Secretary.



St. Charles County, Missouri

Ali Trunzo

From: Gnecco, Rich <RGnecco@sccmo.org>
Sent: Wednesday, October 04, 2017 1:18 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.

Ali Trunzo

From: Gnecco, Rich <RGnecco@sccmo.org>
Sent: Thursday, September 28, 2017 10:58 AM
To: Matt Tanner
Cc: 'Ferry, Lori M'; Ali Trunzo; Robin Weissert
Subject: RE: St. Charles County - Land Disturbance Permit Exemption for Oil and Gas Related Construction Activities

Matt:

Our counselor was asking me for some additional documentation related to her review so I know that she is working on it. I apologize but we have been busy with ordinance revisions and I know she has a lot on her desk right now.

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

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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

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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



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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

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telephone log



gai consultants

Date: 09/07/2017

Project / Admin. No.: E160438.00

Call From: Ellie Marr, CFM

Company: St. Charles County Planning and Zoning, Floodplain Manager

Phone No.: 636-949-7900 x7235

Call To: Matt Tanner

Company: GAI Consultants

Phone No.: 681-245-8854

Subject: Minutes from Meeting with County on 8/16/17

cc:

Summary of Discussion, Decisions, and Commitments:

I received a call from Ms. Ellie Marr, the St. Charles Floodplain Manager about the meeting minutes from our meeting with the County on August 16, 2017. This call was in response to the voicemail that I left for Mr. Rich Gnecco on September 6, 2017 requesting a copy of the minutes as discussed during the meeting. It had been our understanding that the County would be preparing minutes and would forward those to GAI and Spire once available. Ms. Marr said that the County plans to provide us with a One Stop formal report on what they will need for permitting once the Environmental Assessment is issued. She said that she hadn't planned on providing minutes of that meeting and that any notes that she had would just be what we had told her.

Ali Trunzo

From: Lori Ferry
Sent: Monday, August 14, 2017 4:03 PM
Cc: Ali Trunzo; Douglas Sipe; Lori Ferry
Subject: Spire STL Pipeline Project-FERC Notice of Schedule
Attachments: 8-3-17 Spire STL_FERC Notice of Schedule.docx

Hello,

Please take notice that the Federal Energy Regulatory Commission (FERC) has issued its Notice of Schedule pertaining to the Spire STL Pipeline Project on August 3, 2017 and expects to issue the Environmental Assessment on or before September 29, 2017.

A copy of the Notice is attached for your reference.

Thank you,
Lori Ferry

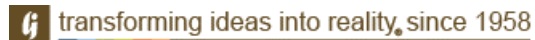
Lori Ferry
Environmental Manager-Energy Business Unit

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



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UNITED STATES OF AMERICA
FEDERAL ENERGY REGULATORY COMMISSION

Spire STL Pipeline Company, LLC

Docket Nos. CP17-40-000
CP17-40-001

NOTICE OF SCHEDULE FOR ENVIRONMENTAL REVIEW
OF THE SPIRE STL PIPELINE PROJECT

(August 3, 2017)

On January 26, 2017, Spire STL Pipeline, LLC (Spire) filed an application in Docket No. CP17-40-000 requesting a Certificate of Public Convenience and Necessity pursuant to Section 7(c) of the Natural Gas Act to construct and operate certain natural gas pipeline facilities. On April 21, 2017, Spire amended its application to incorporate various changes in project routing. The proposed project is known as the Spire STL Pipeline Project (Project), and would link the greater St. Louis Region to a new supply of gas, through transport of about 400,000 dekatherms per day of natural gas service.

On February 6, 2017, the Federal Energy Regulatory Commission (Commission or FERC) issued its Notice of Application for the Project. Among other things, that notice alerted agencies issuing federal authorizations of the requirement to complete all necessary reviews and to reach a final decision on a request for a federal authorization within 90 days of the date of issuance of the Commission staff's Environmental Assessment (EA) for the Project. This instant notice identifies the FERC staff's planned schedule for the completion of the EA for the Project.

Schedule for Environmental Review

Issuance of EA	September 29, 2017
90-day Federal Authorization Decision Deadline	December 28, 2017

If a schedule change becomes necessary, additional notice will be provided so that the relevant agencies are kept informed of the Project's progress.

Project Description

The proposed Project includes (i) about 65 miles of new 24-inch-diameter pipeline in Scott, Greene, and Jersey Counties, Illinois and St. Charles and St. Louis Counties, Missouri, (ii) a new meter station in Scott County, Illinois, (iii) two new meter stations in St. Louis County, Missouri, and (iv) additional piping and pigging facilities at each of the three meter stations.

Background

During the Commission's pre-filing process, on October 26, 2016, the Commission issued a *Notice of Intent to Prepare an Environmental Assessment for the Planned Spire STL Pipeline Project, Request for Comments on Environmental Issues, and Notice of Public Scoping Sessions*. Subsequent to this notice, Spire filed a potential pipeline route alternative in St. Louis County, Missouri. Therefore, on March 3, 2017, the Commission issued a *Supplemental Notice of Intent to Prepare an Environmental Assessment for the Proposed Spire STL Pipeline Project and Request for Comments on Environmental Issues*. These two notices were published in the Federal Register¹ and mailed to 1,141 and 342 interested parties, respectively, including affected landowners; federal, state, and local government agencies; elected officials; environmental and public interest groups; Native American tribes; other interested parties; and local libraries and newspapers. In response to these two notices, the Commission received comments from The U.S. Environmental Protection Agency, the National Park Service, Missouri Department of Conservation, Missouri Department of Natural Resources, Osage Nation Historic Preservation Office, the Miami Tribe of Oklahoma, the Winnebago Tribe, several labor unions, and 13 landowners. The primary issues raised by the commentors include concerns for the proposed crossing of the Mississippi River regarding contamination of a public water source, construction on steep slopes, opposition to the Chautauqua alternative, concerns for impacts on the Upper Mississippi River Conservation Area, land held in conservation easement/habitat programs (specifically the conservation reserve and quail habitat programs), historic trails, Principia College/Three Rivers Community Farm, and safety.

The U.S. Army Corps of Engineers and Illinois Department of Agriculture are cooperating agencies in the preparation of the EA.

Additional Information

In order to receive notification of the issuance of the EA and to keep track of all formal issuances and submittals in specific dockets, the Commission offers a free service called eSubscription. This can reduce the amount of time you spend researching proceedings by automatically providing you with notification of these filings, document summaries, and direct links to the documents. Go to www.ferc.gov/docs-filing/esubscription.asp.

Additional information about the Project is available from the Commission's Office of External Affairs at (866) 208-FERC or on the FERC website (www.ferc.gov). Using the "eLibrary" link, select "General Search" from the eLibrary menu, enter the selected date range and "Docket Number" excluding the last three digits (i.e., CP17-40),

¹ 81 Federal Register 31922

and follow the instructions. For assistance with access to eLibrary, the helpline can be reached at (866) 208-3676, TTY (202) 502-8659, or at FERCOnlineSupport@ferc.gov. The eLibrary link on the FERC website also provides access to the texts of formal documents issued by the Commission, such as orders, notices, and rule makings.

Kimberly D. Bose,
Secretary.



St. Louis County, Missouri

Ali Trunzo

Subject: RE: Spite STL Pipeline Project Info for St. Louis County Conference Call

From: Knoll, James [<mailto:JMKnoll@stlouisco.com>]
Sent: Tuesday, August 29, 2017 1:16 PM
To: Matt Tanner <M.Tanner@gaiconsultants.com>
Cc: Riley, Jennifer <JRiley@stlouisco.com>; Knoll, James <JMKnoll@stlouisco.com>
Subject: RE: Spite STL Pipeline Project Info for St. Louis County Conference Call

Matt,

Concerning your question about the Spire pipeline being exempt from the St. Louis County Land Disturbance Code, please note that St. Louis County ordinances requirements are in force regardless of whether you have Federal or State permits. Policies and/or permits from other agencies do not preclude the enforcement of County ordinance requirements.

Jennifer will flesh out your floodplain requirement questions for you in the conference call. In general we regulate any A Zones (including but not limited to Zone AE) as identified on the current FEMA FIRM maps. Any work within the limits of a floodway require an Engineering No-Rise Certification with appropriate back up, with the certification signed and sealed by a Missouri PE. All floodplain studies, calculations, certifications, drawings, etc. are required to be signed and sealed by a Missouri PE. We do not regulate Zone X areas for floodplain.

Note that all County floodplain requirements apply to any work within the limits of FEMA A zones and floodways as delineated on the FIRMS, whether the work is above or below grade.

Hope this helps to clarify.

Thank you,

James M. Knoll, PE, CFM

Supervisor, Project Managers | Civil Plan Review and Special Use Permits Groups
St. Louis County Department of Transportation
41 S. Central Ave. | Clayton, MO 63105
direct [314-615-8554](tel:314-615-8554) | office [314-615-8517](tel:314-615-8517) | fax [314-615-7084](tel:314-615-7084)
jmknoll@stlouisco.com | www.stlouisco.com

From: Matt Tanner [<mailto:M.Tanner@gaiconsultants.com>]
Sent: Tuesday, August 29, 2017 9:43 AM
To: Riley, Jennifer <JRiley@stlouisco.com>
Cc: Knoll, James <JMKnoll@stlouisco.com>; Ferry, Lori M <lmferry@burnsmcd.com>; Ali Trunzo <A.Trunzo@gaiconsultants.com>; Robin Weissert <R.Weissert@gaiconsultants.com>
Subject: Spite STL Pipeline Project Info for St. Louis County Conference Call

Ms. Riley,

We appreciate you taking the time to talk with us later today to discuss the Spire STL Pipeline project and St. Louis County permitting for land disturbance and floodplains. I will be sending Project figures this morning for reference

during our discussion. A topographic map showing the overall Project route within St. Louis County is attached. I've outlined information and questions on the land disturbance and floodplain permits that we would like to discuss below.

Land Disturbance:

One of the reasons for our call is that Spire believes that the Spire STL Pipeline project would be exempt from St. Louis 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. Louis 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 ahead of our call later today.

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 our understanding that the County’s Land Disturbance Code and land disturbance permit requirements were developed to help the County comply with the requirements of 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. Louis County ordinance.

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). Please note that 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.

Floodplain Permits:

1. There are limited permanent aboveground structures proposed to be constructed within FEMA floodzone AE. The proposed Project has one location which will involve aboveground construction within Zone AE and Zone X where the Project ends at the proposed Chain of Rocks and existing MRT facility (Site Layout attached). Permanent aboveground structures within the Zone AE will be limited to a fenced gravel area with valving. The other locations where the Project crosses FEMA flood Zones include: the horizontal directional drill crossing of the Missouri River, the horizontal directional drill crossing of Coldwater Creek and US-67, and a pipeline crossing of an Unnamed Tributary of the Missouri River (North County Extension MP 2.9) that is designated as FEMA

Zone X. With this in mind, we would like to discuss what the County will want to see included in the floodplain permit submittal.

2. We would like to discuss the typical time frame for review of the permit applications and the timeframe that Spire will have to begin and complete construction once the permit is approved.

Thank you for your consideration of this request. We look forward to discussing these with you later today. I will be sending additional Project drawings in follow-up emails.

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

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Ali Trunzo

From: Matt Tanner
Sent: Tuesday, August 29, 2017 10:57 AM
To: Riley, Jennifer
Cc: Knoll, James; Ferry, Lori M; Ali Trunzo; Robin Weissert
Subject: Spite STL Pipeline Project Figures for St. Louis County Conference Call (Email 3 of 3)
Attachments: 8-4-17 Spire STL_Chain of Rocks Facility-Site Plan.pdf

Ms. Riley,

Please see the attached figure for the Chain of Rocks Facility portion of the Spire STL Pipeline Project for your information and discussion later today.

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

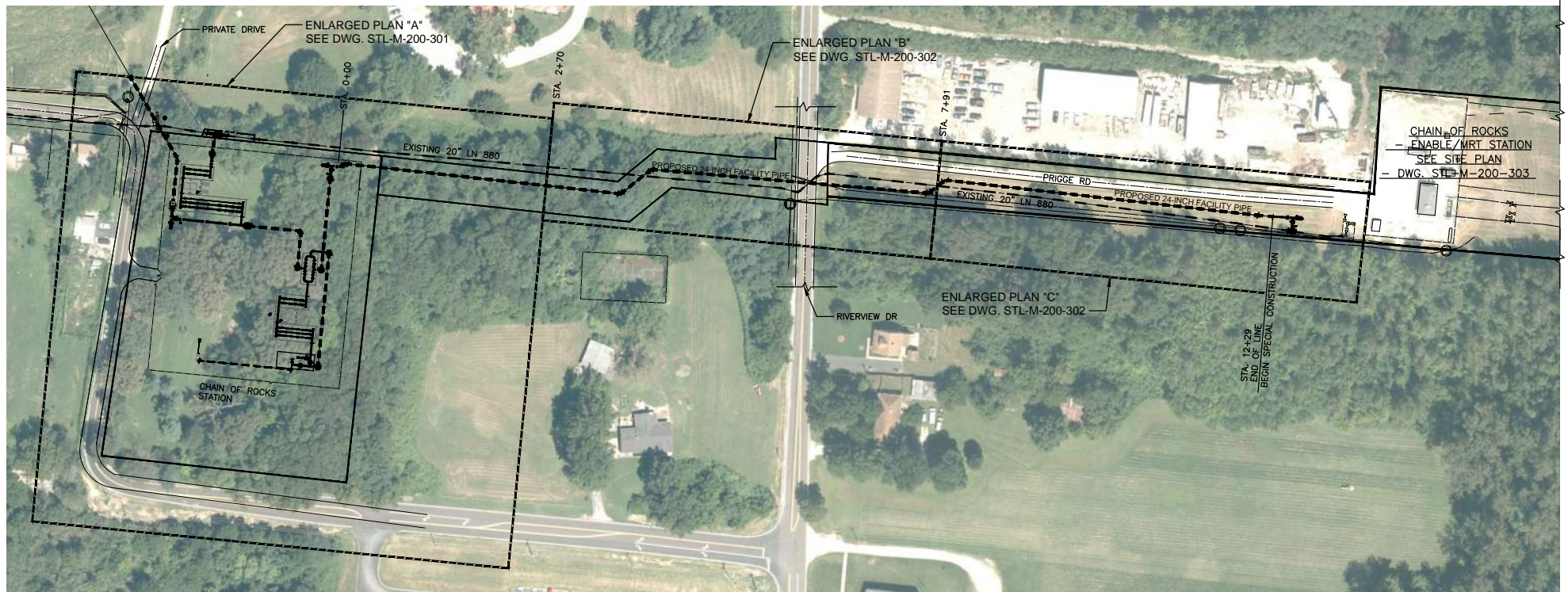
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PLANNING, AND
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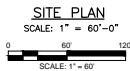


NOTE:

1. DETAILED DESIGN, DRAFTING AND FINAL ENGINEERING WILL BE BY ENGINEER/FABRICATOR.

LEGEND:

- ENLARGED PLAN LIMITS
- PERMANENT EASEMENT
- PERMANENT EASEMENT/CONSTRUCTION LIMITS
- OH POWER LINE
- T TELEPHONE LINE
- X---X---X PROPOSED FENCE



ENGINEERING FIRM

CLIENT

**Spire
STL Pipeline**

Rev	Date	Drawn	Description	Chkd	App'd
3	07/2017	BDP	FERC SUPPLEMENTAL FILING	JUG	WRM
2	05/2017	DER	AMENDMENT TO FERC	JUG	WRM
1	01/2017	BDP	ISSUED FOR FERC	JUG	WRM

Project Number	MM-372453	B/O	Total
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Designed	MM	Eng check	WRM
Drawn	BDP	Coordination	BWW
Design check	WRM	Approved	BWW
Scale at ARCH D	Status	Rev	Security
AS NOTED		3	
Drawing Number	STL-M-200-0300		

SPIRE STL PIPELINE PROJECT
CHAIN OF ROCKS STATION
ST. LOUIS COUNTY, MO.
SITE PLAN

Ali Trunzo

From: Matt Tanner
Sent: Tuesday, August 29, 2017 10:55 AM
To: Riley, Jennifer
Cc: Knoll, James; Ferry, Lori M; Ali Trunzo; Robin Weissert
Subject: Spite STL Pipeline Project Figures for St. Louis County Conference Call (Email 2 of 3)
Attachments: 8-4-17 Spire STL_North County Extension Alignment Sheets.pdf

Ms. Riley,

Please see the attached alignment sheet drawings for the North County Extension portion of the Spire STL Pipeline Project for your information and discussion later today.

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

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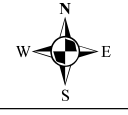
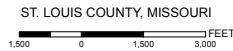
①	MILE POST	—	HIGHWAY	STLP-A-1001	ALIGNMENT SHEET INDEX PAGE NO.	■	LANDMARK
○	PROPOSED M&R FACILITY	—	MAJOR ROAD	□	ALIGNMENT SHEET INDEX	■	WATERBODY
—	PROPOSED 24-INCH NORTH COUNTY EXTENSION	—	LOCAL ROAD	■	CITY AREA	—	COUNTY BOUNDARY
		—	RAILROAD	■	PARK	—	STATE BOUNDARY

MAPS COMPILED UTILIZING ESRI BASEMAP.

SPIRE STL PIPELINE PROJECT

ALIGNMENT SHEET INDEX

PROPOSED 24-INCH NORTH COUNTY EXTENSION



ABSOLUTE SCALE:
1:18,000

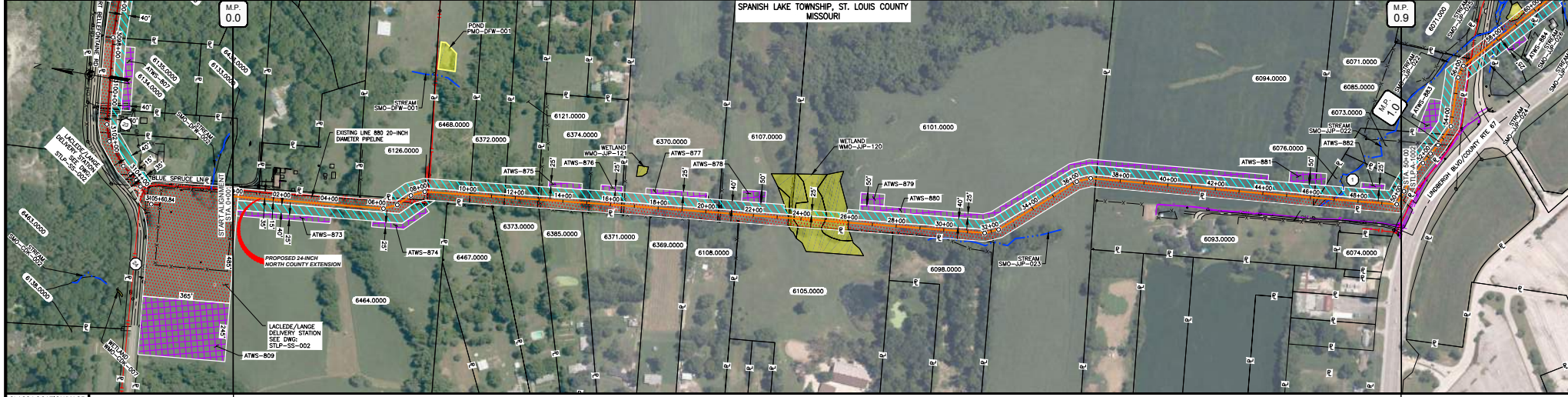
REFERENCE SCALE:
1 IN = 1,500 FEET

PREPARED FOR
Spire STL Pipeline

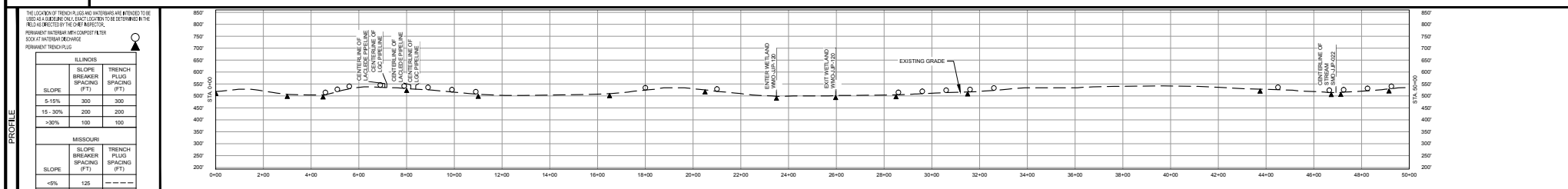
PREPARED BY
M M
MOTT MACDONALD

DRAWN BY:	NDK 12/16/2016
CHECKED BY:	KPW 12/19/2016
ENG. APPROVAL:	DG 12/19/2016
APPROVED BY:	JW 12/19/2016
REV. DATE:	04/2017
REVISION:	2
DESC:	AMENDMENT TO FERC
DWG. NO:	STLP-ASI-004

OWNERSHIP / FOOTAGE	0+00	735'	745'	97'	178'	146'	147'	350'	407'	309'	1397'	917'	17'	398'	900'
STATIONING															



CLASS LOCATION/MAOP	CLASS II / 1440 PSIG														
MATERIAL & COATING	6000														
DESIGN FACTOR	0.8														
CONSTRUCTION METHOD	OPEN CUT														
PIPELINE COVER	OPEN CUT (PLANNED) OPEN CUT														
SOILS	60111	60021	60003	60001	60003	60024	60003	60001	60003	60024	60003	60165	60001	60003	60165
LAND USE	AG	F	AG	CL	F	CL	CL	AG	F	AG	F	W	AG	F	AG



PROFILES

ILLINOIS	SLOPE	TRENCH BREAKER SPACING (FT)	PILE PLUG SPACING (FT)
5-15%	300	300	
15-30%	200	200	
>30%	100	100	

MISSOURI	SLOPE	TRENCH BREAKER SPACING (FT)	PILE PLUG SPACING (FT)
<5%	125	125	300
5-10%	100	100	300
10-15%	75	75	300
15-20%	75	200	
20-30%	50	200	
30-35%	50	100	
>35%	25	100	

NOTES:

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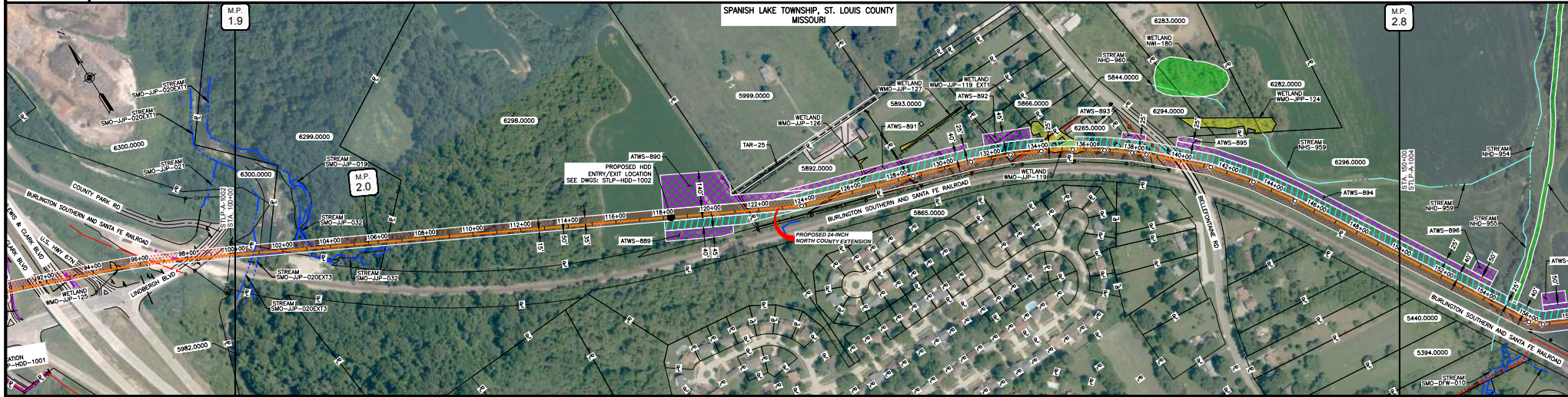
TAG	QUANTITY	MATERIAL DESCRIPTION	REV. NO.	DESCRIPTION	DATE	DRAWN	CHK	APPR	DATE	DATE	DATE	DATE	DATE
3	6000	PIPE 24.000" OD X 0.500" WT, API 5L, X70, OSM, FBE COATED	1	ALIGNMENT SHEET	04/2017	KAM	WH	DGG	07/2017				
			2	AMENDMENT TO FERC	07/2017	KAM	RJP	DGG	07/2017				
			3	FERC SUPPLEMENTAL FILING	07/2017	KAM	RJP	DGG	07/2017				

SPiRE STL Pipeline

ALIGNMENT SHEET
ST. LOUIS COUNTY, MISSOURI
STA. 0+00 TO STA. 50+00

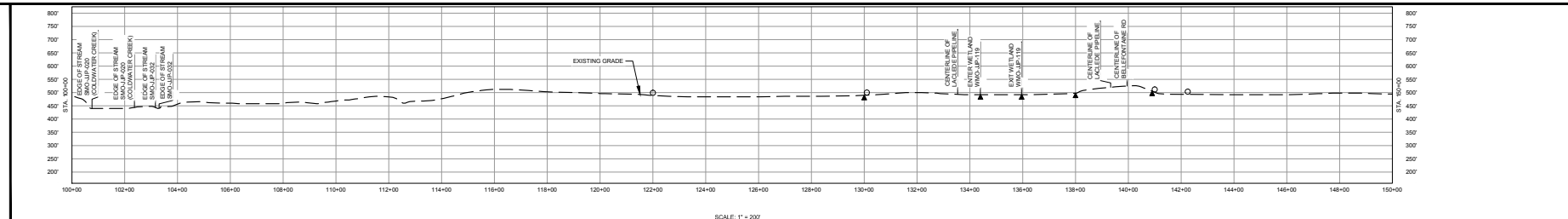
SCALE: 1" = 200'
DRAWING NO: STUP-A-1001

OWNERSHIP / FOOTAGE	100.00	188'	448'	100.00	1519'	599.000'	599.000'	385.000'	385.000'	487'	212'	967'	100.00
STATIONING	<p>100+00: 100+00 TO 100+188 PROPERTY LINE</p> <p>100+188: 100+188 TO 100+448 PROPERTY LINE</p> <p>100+448: 100+448 TO 100+1519 PROPERTY LINE</p> <p>100+1519: 100+1519 TO 100+599.000 PROPERTY LINE</p> <p>100+599.000: 100+599.000 TO 100+599.000 PROPERTY LINE</p> <p>100+599.000: 100+599.000 TO 100+385.000 PROPERTY LINE</p> <p>100+385.000: 100+385.000 TO 100+385.000 PROPERTY LINE</p> <p>100+385.000: 100+385.000 TO 100+487 PROPERTY LINE</p> <p>100+487: 100+487 TO 100+212 PROPERTY LINE</p> <p>100+212: 100+212 TO 100+967 PROPERTY LINE</p> <p>100+967: 100+967 TO 100+1000 PROPERTY LINE</p>												



CLASS LOCATION/MAOP	CLASS 1B / 1440 P/SID												
MATERIAL & COATING	HDPE												
DESIGN FACTOR	0.5												
CONSTRUCTION METHOD	OPEN CUT												
PIPELINE COVER	36"												
SOILS	AG, D, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z, AA, AB, AC, AD, AE, AF, AG, AH, AI, AJ, AK, AL, AM, AN, AO, AP, AQ, AR, AS, AT, AU, AV, AW, AX, AY, AZ, BA, BB, BC, BD, BE, BF, BG, BH, BI, BJ, BK, BL, BM, BN, BO, BP, BQ, BR, BS, BT, BU, BV, BW, BX, BY, BZ, CA, CB, CC, CD, CE, CF, CG, CH, CI, CJ, CK, CL, CM, CN, CO, CP, CQ, CR, CS, CT, CU, CV, CW, CX, CY, CZ, DA, DB, DC, DD, DE, DF, DG, DH, DI, DJ, DK, DL, DM, DN, DO, DP, DQ, DR, DS, DT, DU, DV, DW, DX, DY, DZ, EA, EB, EC, ED, EE, EF, EG, EH, EI, EJ, EK, EL, EM, EN, EO, EP, EQ, ER, ES, ET, EU, EV, EW, EX, EY, EZ, FA, FB, FC, FD, FE, FF, FG, FH, FI, FJ, FK, FL, FM, FN, FO, FP, FQ, FR, FS, FT, FU, FV, FW, FX, FY, FZ, GA, GB, GC, GD, GE, GF, GG, GH, GI, GJ, GK, GL, GM, GN, GO, GP, GQ, GR, GS, GT, GU, GV, GW, GX, GY, GZ, HA, HB, HC, HD, HE, HF, HG, HH, HI, HJ, HK, HL, HM, HN, HO, HP, HQ, HR, HS, HT, HU, HV, HW, HX, HY, HZ, IA, IB, IC, ID, IE, IF, IG, IH, II, IJ, IK, IL, IM, IN, IO, IP, IQ, IR, IS, IT, IU, IV, IW, IX, IY, IZ, JA, JB, JC, JD, JE, JF, JG, JH, JI, JJ, JK, JL, JM, JN, JO, JP, JQ, JR, JS, JT, JU, JV, JW, JX, JY, JZ, KA, KB, KC, KD, KE, KF, KG, KH, KI, KJ, KK, KL, KM, KN, KO, KP, KQ, KR, KS, KT, KU, KV, KW, KX, KY, KZ, LA, LB, LC, LD, LE, LF, LG, LH, LI, LJ, LK, LL, LM, LN, LO, LP, LQ, LR, LS, LT, LU, LV, LW, LX, LY, LZ, MA, MB, MC, MD, ME, MF, MG, MH, MI, MJ, MK, ML, MM, MN, MO, MP, MQ, MR, MS, MT, MU, MV, MW, MX, MY, MZ, NA, NB, NC, ND, NE, NF, NG, NH, NI, NJ, NK, NL, NM, NN, NO, NP, NQ, NR, NS, NT, NU, NV, NW, NX, NY, NZ, OA, OB, OC, OD, OE, OF, OG, OH, OI, OJ, OK, OL, OM, ON, OO, OP, OQ, OR, OS, OT, OU, OV, OW, OX, OY, OZ, PA, PB, PC, PD, PE, PF, PG, PH, PI, PJ, PK, PL, PM, PN, PO, PP, PQ, PR, PS, PT, PU, PV, PW, PX, PY, PZ, QA, QB, QC, QD, QE, QF, QG, QH, QI, QJ, QK, QL, QM, QN, QO, QP, QQ, QR, QS, QT, QU, QV, QW, QX, QY, QZ, RA, RB, RC, RD, RE, RF, RG, RH, RI, RJ, RK, RL, RM, RN, RO, RP, RQ, RR, RS, RT, RU, RV, RW, RX, RY, RZ, SA, SB, SC, SD, SE, SF, SG, SH, SI, SJ, SK, SL, SM, SN, SO, SP, SQ, SR, SS, ST, SU, SV, SW, SX, SY, SZ, TA, TB, TC, TD, TE, TF, TG, TH, TI, TJ, TK, TL, TM, TN, TO, TP, TQ, TR, TS, TT, TU, TV, TW, TX, TY, TZ, UA, UB, UC, UD, UE, UF, UG, UH, UI, UJ, UK, UL, UM, UN, UO, UP, UQ, UR, US, UT, UY, UV, UW, UX, UY, UZ, VA, VB, VC, VD, VE, VF, VG, VH, VI, VJ, VK, VL, VM, VN, VO, VP, VQ, VR, VS, VT, VU, VV, VW, VX, VY, VZ, WA, WB, WC, WD, WE, WF, WG, WH, WI, WJ, WK, WL, WM, WN, WO, WP, WQ, WR, WS, WT, WU, WV, WW, WX, WY, WZ, XA, XB, XC, XD, XE, XF, XG, XH, XI, XJ, XK, XL, XM, XN, XO, XP, XQ, XR, XS, XT, XU, XV, XW, XX, XY, XZ, YA, YB, YC, YD, YE, YF, YG, YH, YI, YJ, YK, YL, YM, YN, YO, YP, YQ, YR, YS, YT, YU, YV, YW, YX, YZ, ZA, ZB, ZC, ZD, ZE, ZF, ZG, ZH, ZI, ZJ, ZK, ZL, ZM, ZN, ZO, ZP, ZQ, ZR, ZS, ZT, ZU, ZV, ZW, ZX, ZY, ZZ												
LAND USE	AG, D, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z, AA, AB, AC, AD, AE, AF, AG, AH, AI, AJ, AK, AL, AM, AN, AO, AP, AQ, AR, AS, AT, AU, AV, AW, AX, AY, AZ, BA, BB, BC, BD, BE, BF, BG, BH, BI, BJ, BK, BL, BM, BN, BO, BP, BQ, BR, BS, BT, BU, BV, BW, BX, BY, BZ, CA, CB, CC, CD, CE, CF, CG, CH, CI, CJ, CK, CL, CM, CN, CO, CP, CQ, CR, CS, CT, CU, CV, CW, CX, CY, CZ, DA, DB, DC, DD, DE, DF, DG, DH, DI, DJ, DK, DL, DM, DN, DO, DP, DQ, DR, DS, DT, DU, DV, DW, DX, DY, DZ, EA, EB, EC, ED, EE, EF, EG, EH, EI, EJ, EK, EL, EM, EN, EO, EP, EQ, ER, ES, ET, EU, EV, EW, EX, EY, EZ, FA, FB, FC, FD, FE, FF, FG, FH, FI, FJ, FK, FL, FM, FN, FO, FP, FQ, FR, FS, FT, FU, FV, FW, FX, FY, FZ, GA, GB, GC, GD, GE, GF, GG, GH, GI, GJ, GK, GL, GM, GN, GO, GP, GQ, GR, GS, GT, GU, GV, GW, GX, GY, GZ, HA, HB, HC, HD, HE, HF, HG, HH, HI, HJ, HK, HL, HM, HN, HO, HP, HQ, HR, HS, HT, HU, HV, HW, HX, HY, HZ, IA, IB, IC, ID, IE, IF, IG, IH, II, IJ, IK, IL, IM, IN, IO, IP, IQ, IR, IS, IT, IU, IV, IW, IX, IY, IZ, JA, JB, JC, JD, JE, JF, JG, JH, JI, JJ, JK, JL, JM, JN, JO, JP, JQ, JR, JS, JT, JU, JV, JW, JX, JY, JZ, KA, KB, KC, KD, KE, KF, KG, KH, KI, KJ, KK, KL, KM, KN, KO, KP, KQ, KR, KS, KT, KU, KV, KW, KX, KY, KZ, LA, LB, LC, LD, LE, LF, LG, LH, LI, LJ, LK, LL, LM, LN, LO, LP, LQ, LR, LS, LT, LU, LV, LW, LX, LY, LZ, MA, MB, MC, MD, ME, MF, MG, MH, MI, MJ, MK, ML, MM, MN, MO, MP, MQ, MR, MS, MT, MU, MV, MW, MX, MY, MZ, NA, NB, NC, ND, NE, NF, NG, NH, NI, NJ, NK, NL, NM, NN, NO, NP, NQ, NR, NS, NT, NU, NV, NW, NX, NY, NZ, OA, OB, OC, OD, OE, OF, OG, OH, OI, OJ, OK, OL, OM, ON, OO, OP, OQ, OR, OS, OT, OU, OV, OW, OX, OY, OZ, PA, PB, PC, PD, PE, PF, PG, PH, PI, PJ, PK, PL, PM, PN, PO, PP, PQ, PR, PS, PT, PU, PV, PW, PX, PY, PZ, QA, QB, QC, QD, QE, QF, QG, QH, QI, QJ, QK, QL, QM, QN, QO, QP, QQ, QR, QS, QT, QU, QV, QW, QX, QY, QZ, RA, RB, RC, RD, RE, RF, RG, RH, RI, RJ, RK, RL, RM, RN, RO, RP, RQ, RR, RS, RT, RU, RV, RW, RX, RY, RZ, SA, SB, SC, SD, SE, SF, SG, SH, SI, SJ, SK, SL, SM, SN, SO, SP, SQ, SR, SS, ST, SU, SV, SW, SX, SY, SZ, TA, TB, TC, TD, TE, TF, TG, TH, TI, TJ, TK, TL, TM, TN, TO, TP, TQ, TR, TS, TT, TU, TV, TW, TX, TY, TZ, UA, UB, UC, UD, UE, UF, UG, UH, UI, UJ, UK, UL, UM, UN, UO, UP, UQ, UR, US, UT, UY, UV, UW, UX, UY, UZ, VA, VB, VC, VD, VE, VF, VG, VH, VI, VJ, VK, VL, VM, VN, VO, VP, VQ, VR, VS, VT, VU, VV, VW, VX, VY, VZ, WA, WB, WC, WD, WE, WF, WG, WH, WI, WJ, WK, WL, WM, WN, WO, WP, WQ, WR, WS, WT, WU, WV, WW, WX, WY, WZ, XA, XB, XC, XD, XE, XF, XG, XH, XI, XJ, XK, XL, XM, XN, XO, XP, XQ, XR, XS, XT, XU, XV, XW, XX, XY, XZ, YA, YB, YC, YD, YE, YF, YG, YH, YI, YJ, YK, YL, YM, YN, YO, YP, YQ, YR, YS, YT, YU, YV, YW, YX, YZ, ZA, ZB, ZC, ZD, ZE, ZF, ZG, ZH, ZI, ZJ, ZK, ZL, ZM, ZN, ZO, ZP, ZQ, ZR, ZS, ZT, ZU, ZV, ZW, ZX, ZY, ZZ												

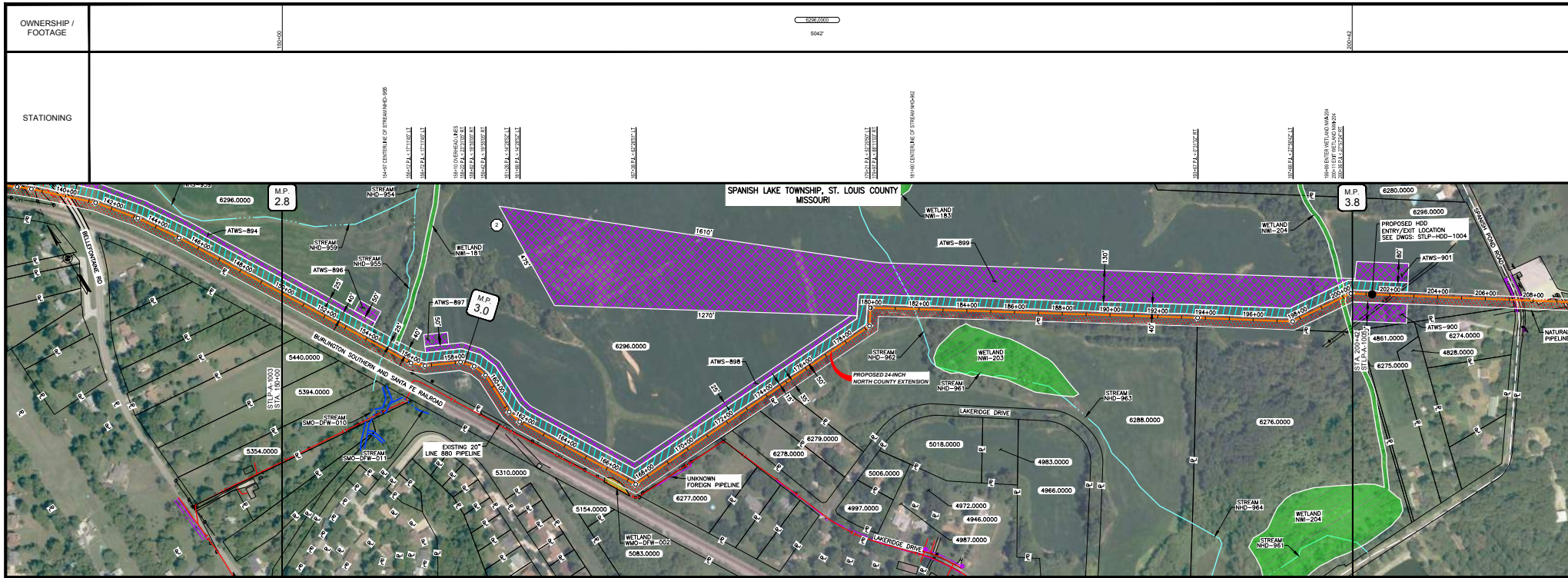
SLOPE	ILLINOIS	
	TRENCH BREAKER SPACING (FT)	PILG SPACING (FT)
5-15%	300	300
15-30%	200	200
>30%	100	100
SLOPE	MISSOURI	
	TRENCH BREAKER SPACING (FT)	PILG SPACING (FT)
<5%	125	---
5-10%	100	300
10-15%	75	300
15-20%	75	200
20-30%	50	200
30-35%	50	100
>35%	25	100



NOTES:

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TAG	QUANTITY	DESCRIPTION	DWG. NO.	REFERENCE DRAWINGS	TITLE	NO.	REVISIONS	DATE	DRAWN	CK	APPR	APPROVALS	DATE	SCALE PLAN	SCALE PROFILE	PREPARED FOR	PREPARED BY	SCALE	DRAWING NO.
1	204'	PIPE, 24.00" OD X 0.500" WT, AP, SL, X70, DSAN, FIBER COATED	STPL-HDD-1002	HDD PROFILE OVERVIEW	1	1		04/2017	KAM	WN	DOG	DATE	07/2017	1" = 200'	1" = 200'	Spire STL Pipeline	M M MOTT MACDONALD	1" = 200'	STPL-A-1003
4	205'	PIPE, 24.00" OD X 0.500" WT, AP, SL, X70, DSAN, FIBER COATED			2	2	AMENDMENT TO FERC SUPPLEMENTAL FILING	07/2017	KAM	RJP	DOG	DATE	07/2017						

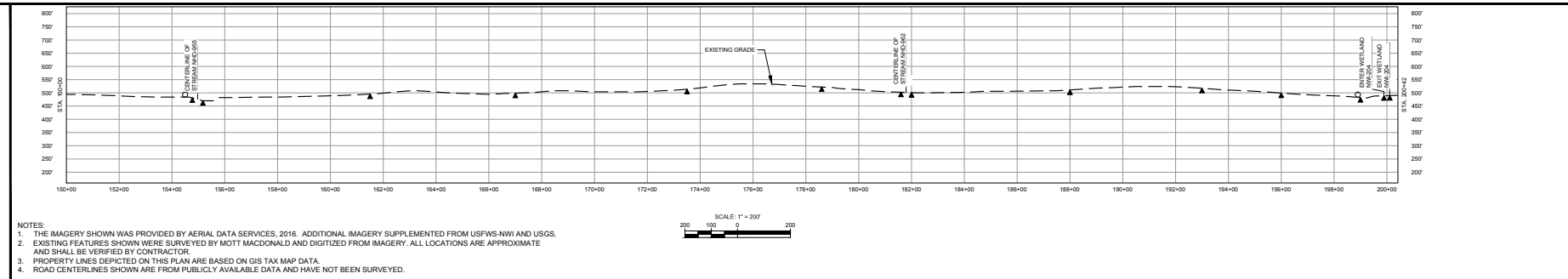


CLASS LOCATION/MAOP	CLASS B / 1440 PSIG		CLASS B / 1440 PSIG	
MATERIAL & COATING	1500.00			
DESIGN FACTOR	0.5			
CONSTRUCTION METHOD	OPEN CUT	OPEN CUT (FLAMED)	OPEN CUT	OPEN CUT (FLAMED)
PIPELINE COVER	0			
SOILS	6001	66024	6003	60025
LAND USE	AG	F	AG	D

PROFILE

ILLINOIS		
SLOPE	SLOPE BREAKER SPACING (FT)	TRENCH PILEG SPACING (FT)
5-15%	300	300
15-30%	200	200
>30%	100	100

MISSOURI		
SLOPE	SLOPE BREAKER SPACING (FT)	TRENCH PILEG SPACING (FT)
<5%	125	300
5-10%	100	300
10-15%	75	300
15-20%	75	200
20-30%	50	200
30-35%	50	100
>35%	25	100



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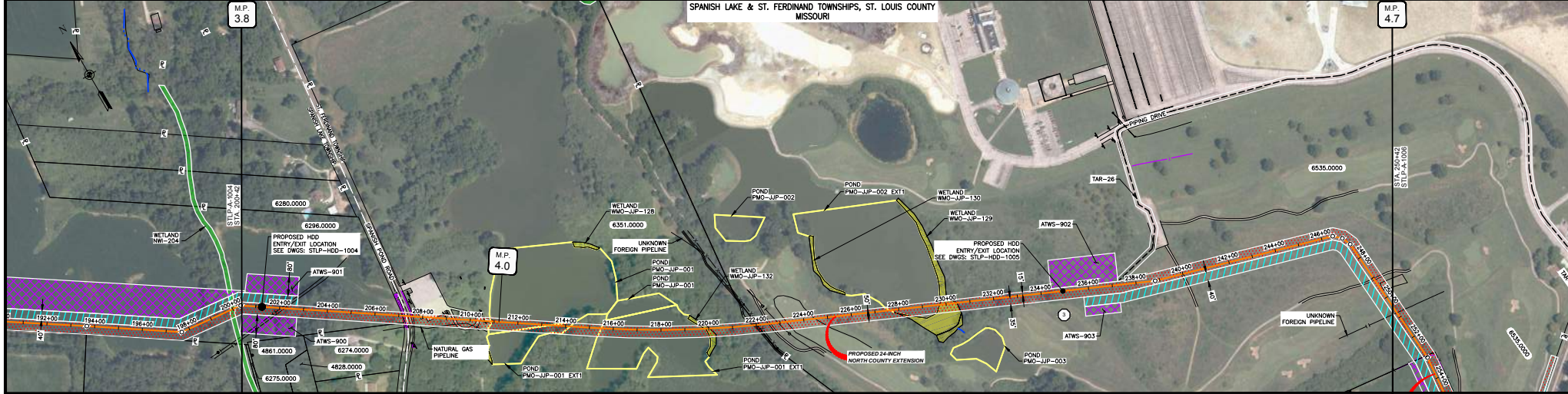
TAG	QUANTITY	MATERIAL DESCRIPTION	DWG. NO.	REFERENCE DRAWINGS	TITLE	NO.	REVISIONS	DATE	DRAWN	CK	APPR	APPROVALS	SCALE PLAN	PREPARED FOR	SCALE PROFILE H	SCALE PROFILE V
3	5042	RPPL 24.000" OD X 0.500" WT, API 5L, X70, OSMAN, FIBRE COATED	STLP-HDD-1003	HDD PROFILE OVERVIEW	1	AMENDMENT TO FERC	04/2017	04/2017	KAM	WN	DOG	SCALE PLAN 1" = 200'	Spire STL Pipeline	1" = 200'	SCALE PROFILE H 1" = 200'	SCALE PROFILE V 1" = 200'
					2	FERC SUPPLEMENTAL FILING	07/2017	07/2017	KAM	RJP	DOG	APPROVALS	PREPARED BY	MOTT MACDONALD		

Spire STL Pipeline

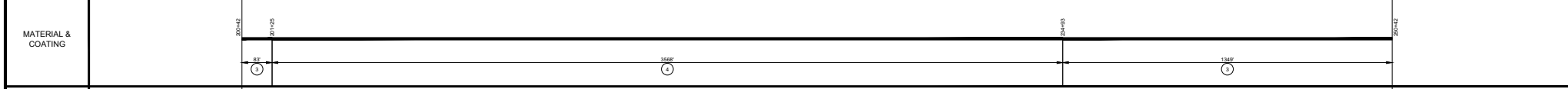
ALIGNMENT SHEET
PROPOSED 24-INCH NORTH COUNTRY
ST. LOUIS COUNTY, MISSOURI
STA. 150+00 TO STA. 200+00

SCALE: 1" = 200'
DRAWING NO.: STLP-A-1004

OWNERSHIP / FOOTAGE	0004.42	0008.0000	0012.14	0016.0000	0020.0000	0024.0000	0028.0000	0032.0000	0036.0000	0040.42
STATIONING		672	44	1444						2847



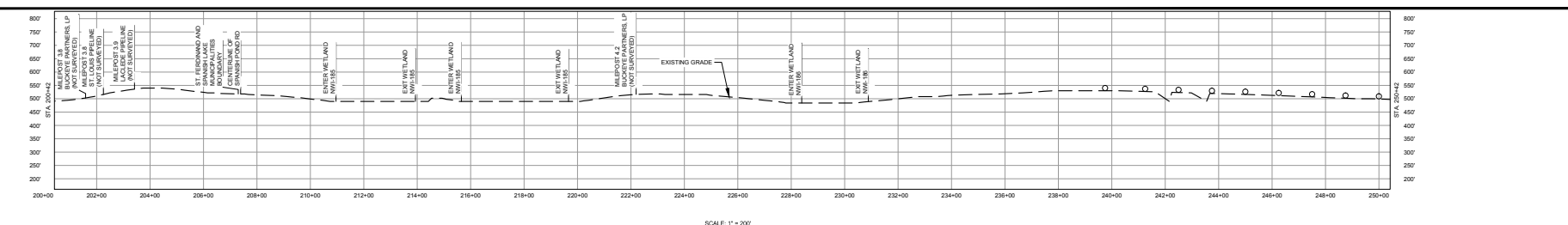
CLASS LOCATION/MAOP	CLASS II / 1440 PSIG	CLASS II / 1440 PSIG
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DESIGN FACTOR	0.5
CONSTRUCTION METHOD	HDD
PIPELINE COVER	0
PIPELINE COVER	OPEN CUT
SOILS	60024 60004 60001 60004 99001 60004 99001 60176 99001 60176 60025 60001
LAND USE	AG F AG OL D OL D OL F OL D OL D OL D W F W F F OL

ILLINOIS		
SLOPE	TRENCH BREAKER SPACING (FT)	TRENCH PLOG SPACING (FT)
5-15%	300	300
15-30%	200	200
>30%	100	100

MISSOURI		
SLOPE	TRENCH BREAKER SPACING (FT)	TRENCH PLOG SPACING (FT)
<5%	125	---
5-10%	100	300
10-15%	75	300
15-20%	75	200
20-30%	50	200
30-35%	50	100
>35%	25	100



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MATERIAL		REFERENCE DRAWINGS		REVISIONS				APPROVALS		SCALE PLAN		PREPARED FOR		SPIRE STL PIPELINE PRO	
TAG	QUANTITY	DESCRIPTION	DWG. NO.	TITLE	NO.	REVISIONS	DATE	DRAWN	CK	APPR	SCALE PLAN	SCALE PROFILE H	SCALE PROFILE V	SCALE	DRAWINGS NO.
1	1432'	PIPE, 24.000" OD X 0.500" WT, API 5L, X70, DISAW, FIBER COATED	STLP-HDD-1004	HDD PROFILE OVERVIEW	1	AMENDMENT TO FERC	04/2017	KAM	WH	DOG	1" = 200'	1" = 200'	1" = 200'	1" = 200'	STLP-A-1005
4	356F'	PIPE, 24.000" OD X 0.500" WT, API 5L, X70, DISAW, FIBER COATED	STLP-HDD-1005	HDD PROFILE OVERVIEW	2	FERC SUPPLEMENTAL FILING	07/2017	KAM	RJP	DOG					

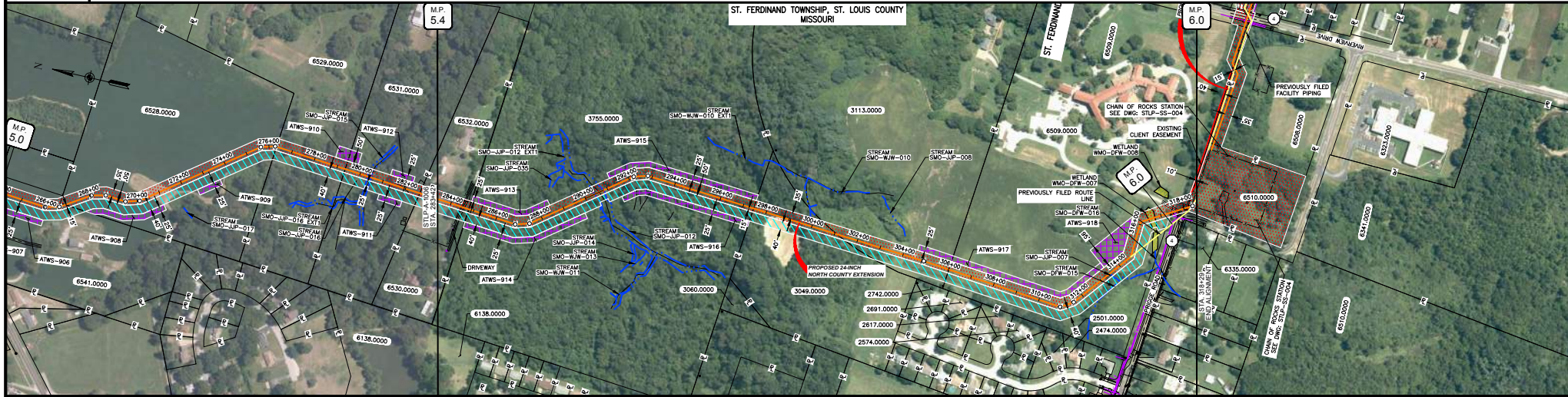
Spire STL Pipeline

PREPARED BY: **M M**
 MOTT MACDONALD

CLIENT APPROVAL: **M M**
 MOTT MACDONALD

SCALE: 1" = 200'
 DRAWINGS NO.: STLP-A-1005

OWNERSHIP / FOOTAGE	2034.2	138'	282.90	1269'	292.45	366'	301.0	492'	200.02	1143'	374.6	71'	22'	248.8
STATIONING	2834.4	2844.4	2854.4	2864.4	2874.4	2884.4	2894.4	2904.4	2914.4	2924.4	2934.4	2944.4	2954.4	2964.4

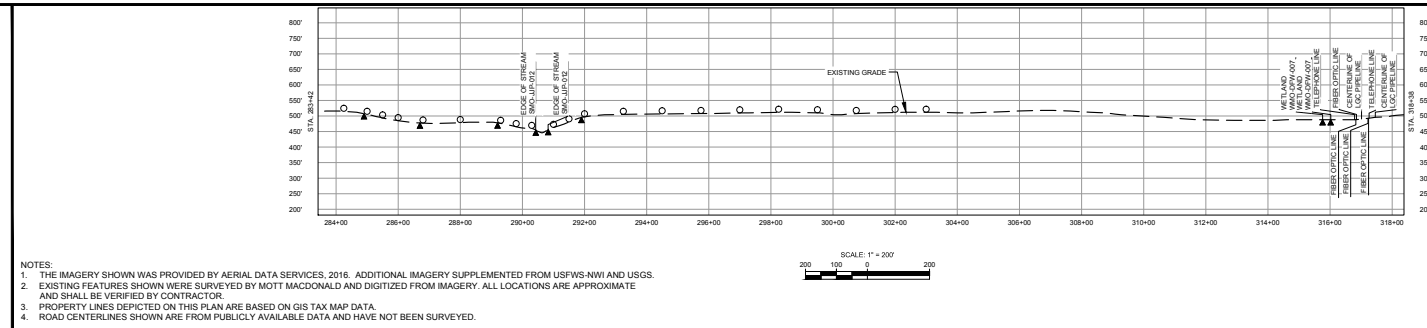


CLASS LOCATION/MAOP	CLASS III / 1440 PSI															
MATERIAL & COATING	3307															
DESIGN FACTOR	0.5															
CONSTRUCTION METHOD	OPEN CUT				OPEN CUT (FLUMED)				OPEN CUT				SCORE		OPEN CUT	
PIPELINE COVER	60003															
SOILS	60055															
LAND USE	AG F D F F F F F F F F F F F F F F															

PROFILE

ILLINOIS		
SLOPE	SLOPE BREAKER SPACING (FT)	TRENCH PILEG SPACING (FT)
5-15%	300	300
15-30%	200	200
>30%	100	100

MISSOURI		
SLOPE	SLOPE BREAKER SPACING (FT)	TRENCH PILEG SPACING (FT)
<5%	125	300
5-10%	100	300
10-15%	75	300
15-20%	75	200
20-30%	50	200
30-35%	50	100
>35%	25	100



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TAG	QUANTITY	MATERIAL DESCRIPTION	QWG. NO.	REFERENCE DRAWINGS	TITLE	NO.	REVISIONS	DATE	DRAWN	CHK	APPR	DATE	SCALE PLAN	SCALE PROFILE H	SCALE PROFILE V
3	3327	PIPE, 24.000" OD X 0.500" WT, AP, SL, X70, DSAN, FBE COATED	STL-P-SS-004	STL-P-SS-004	ENABLE MRY CHAIN OF ROCKS STATION SITE PLAN	3	AMENDMENT TO FERC	04/2017	KAM	WN	DOGG	07/2017	1" = 200'	1" = 200'	1" = 200'
4	1307	PIPE, 24.000" OD X 0.500" WT, AP, SL, X70, DSAN, FBE/ARO COATED	STL-M-200-0300	CHAIN OF ROCKS STATION SITE PLAN			FERC SUPPLEMENTAL FILING	07/2017	KAM	RJP	DOGG	07/2017			
REF	34	SEE REFERENCED DETAIL DRAWING	STL-M-200-0301	CHAIN OF ROCKS STATION (WEST) ENLARGED PLAN "A"											
			STL-M-200-0302	CHAIN OF ROCKS CONNECTOR ENLARGED PLANS "B" & "C"											
			STL-M-200-0303	ENABLE MRY CHAIN OF ROCKS STATION (EAST) ENLARGED PLAN "D"											

Spire STL Pipeline

ALIGNMENT SHEET
PROPOSED 24-INCH NORTH COUNTY
ST. LOUIS COUNTY, MISSOURI
STA. 283+42 TO STA. 318+00

PREPARED BY: **M M MOTT MACDONALD**

SCALE: 1" = 200'
DRAWING NO: STL-P-A-1007

Ali Trunzo

From: Matt Tanner
Sent: Tuesday, August 29, 2017 10:55 AM
To: Riley, Jennifer
Cc: Knoll, James; Ferry, Lori M; Ali Trunzo; Robin Weissert
Subject: Spite STL Pipeline Project Figures for St. Louis County Conference Call (Email 1 of 3)
Attachments: 8-4-17 Spire STL_24-Inch Pipeline Alignment Sheets.pdf; 8-4-17 Spire STL_24-Inch Pipeline Access Road Layout.pdf; 8-4-17 Spire STL_Laclede-Lange Facility.pdf

Ms. Riley,

Please see the attached alignment sheet drawings for the 24" Pipeline Spire STL Pipeline Project and Laclede/Lange Station Layout for your information and discussion later today.

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

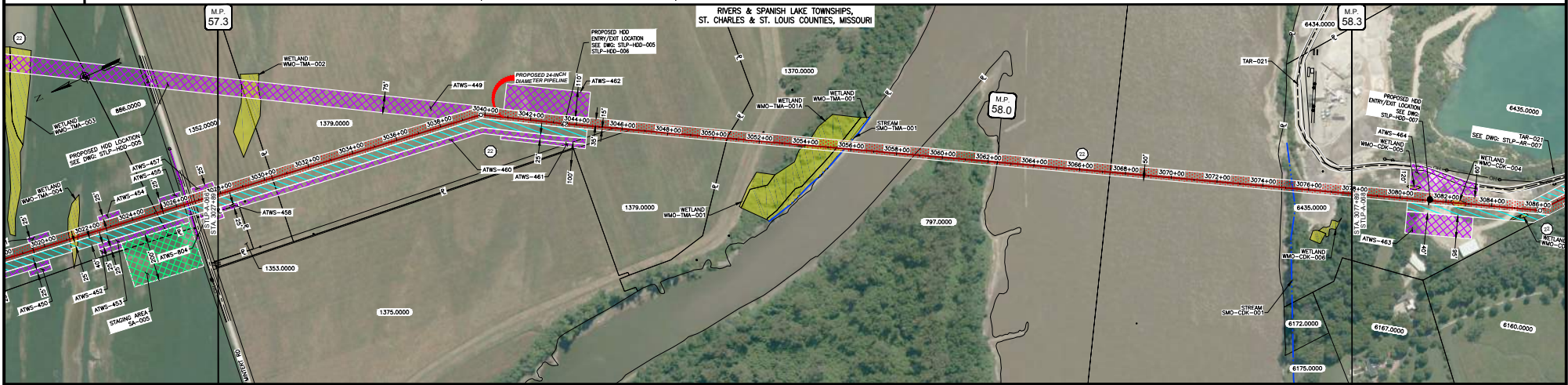
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OWNERSHIP / FOOTAGE	168,200' 245'	179,600' 200'	181,000' 300'	182,400' 300'	183,800' 300'	185,200' 300'	186,600' 300'	188,000' 300'	189,400' 300'
STATIONING	3022+00	3024+00	3026+00	3028+00	3030+00	3032+00	3034+00	3036+00	3038+00

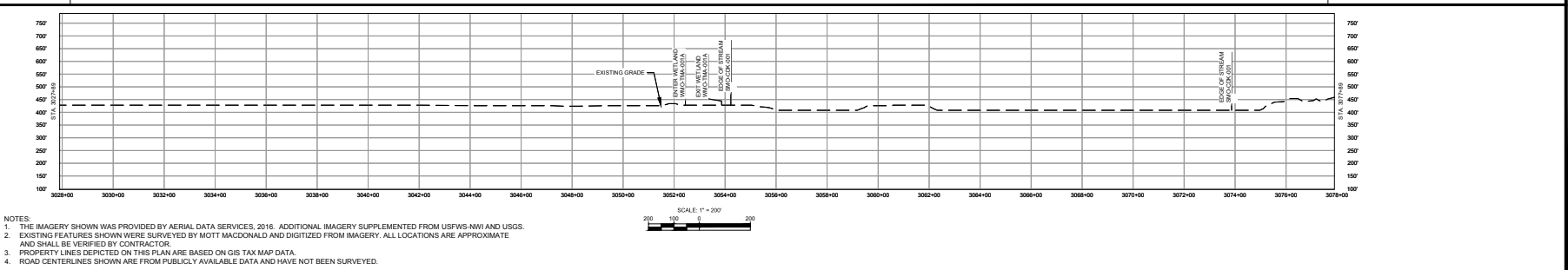


CLASS LOCATION MAP	CLASS I / 1440 PBIG									
MATERIAL & COATING	396F									
DESIGN FACTOR	0.72					0.5				
CONSTRUCTION METHOD	OPEN CUT									
PIPELINE COVER	7'									
SOILS	88059	88019	88059	88019	88059	88012	88128	99001	99001	99001
LAND USE	AG	AG	AG	AG	AG	F	W	OW	F	D

PROFILES

ILLINOIS			
SLOPE	SLOPE BREAKER (FT)	TRENCH PILING SPACING (FT)	TRENCH PILING SPACING (FT)
5-15%	300	300	300
15-30%	200	200	200
>30%	100	100	100

MISSOURI			
SLOPE	SLOPE BREAKER (FT)	TRENCH PILING SPACING (FT)	TRENCH PILING SPACING (FT)
<5%	125	300	300
5-10%	100	300	300
10-15%	75	300	300
15-20%	75	200	200
20-30%	50	200	200
30-35%	50	100	100
>35%	25	100	100



NOTES:
 1. THE IMAGERY SHOWN WAS PROVIDED BY AERIAL DATA SERVICES, 2016. ADDITIONAL IMAGERY SUPPLEMENTED FROM USFWS-NWI AND USGS.
 2. EXISTING FEATURES SHOWN WERE SURVEYED BY MOTT MACDONALD AND DIGITIZED FROM IMAGERY. ALL LOCATIONS ARE APPROXIMATE AND SHALL BE VERIFIED BY CONTRACTOR.
 3. PROPERTY LINES DEPICTED ON THIS PLAN ARE BASED ON GIS TAX MAP DATA.
 4. ROAD CENTERLINES SHOWN ARE FROM PUBLICLY AVAILABLE DATA AND HAVE NOT BEEN SURVEYED.

MATERIAL		REFERENCE DRAWINGS		REVISIONS				APPROVALS			SCALE PLAN		PREPARED FOR		SPIRE STL PIPELINE PROJECT	
TAG	QUANTITY	DESCRIPTION	DWG. NO.	NO.	REVISIONS	DATE	DRAWN	CK	APPR.	SCALE PLAN	1" = 200'	SCALE PROFILE	1" = 200'	SCALE PROFILE	1" = 200'	ALIGNMENT SHEET
1	2825	PIPE, 24.000" OD X 0.375" WT, AP/SL, X70, DS/AV, FBE/COATED	STLP-HDD-005	1	ISSUE FOR PERC	07/2017	CK	EB	CKG	SCALE PLAN	1" = 200'	SCALE PROFILE	1" = 200'	SCALE PROFILE	1" = 200'	PROPOSED 24-INCH DIAMETER PIPELINE
2	2825	PIPE, 24.000" OD X 0.500" WT, AP/SL, X70, DS/AV, FBE/ROAD COATED	STLP-HDD-006	2	AMENDMENT TO PERC	04/2017	DP	AK	DGS	SCALE PLAN	1" = 200'	SCALE PROFILE	1" = 200'	SCALE PROFILE	1" = 200'	ST. CHARLES AND ST. LOUIS COUNTIES, MISSOURI
			STLP-HDD-007	3	FERC SUPPLEMENTAL FILING	07/2017	KAM	RJP	DGS	SCALE PLAN	1" = 200'	SCALE PROFILE	1" = 200'	SCALE PROFILE	1" = 200'	STA. 3027+89 TO STA. 3077+89
			STLP-AR-007		ACCESS ROAD DRAWING					SCALE PLAN	1" = 200'	SCALE PROFILE	1" = 200'	SCALE PROFILE	1" = 200'	

Spire STL Pipeline

MOTT MACDONALD

SCALE: 1" = 200'

DRAWING NO: STLP-A-007

REVISION: 3

ST. LOUIS, MISSOURI
SPANISH LAKE TOWNSHIP



LOCATION MAP
N.T.S.

- NOTES:
1. THE IMAGERY SHOWN WAS PROVIDED BY AERIAL DATA SERVICES, 2016. ADDITIONAL IMAGERY SUPPLEMENTED FROM USFWS-AWI AND USGS.
 2. EXISTING FEATURES SHOWN WERE SURVEYED BY MOTT MACDONALD AND DIGITIZED FROM IMAGERY. ALL LOCATIONS ARE APPROXIMATE, AND SHALL BE VERIFIED BY CONTRACTOR.
 3. PROPERTY LINES DEPICTED ON THIS PLAN ARE BASED ON GIS TAX MAP DATA.
 4. ROAD CENTERLINES SHOWN ARE FROM PUBLICLY AVAILABLE DATA AND HAVE NOT BEEN SURVEYED.

LEGEND

- PROPOSED PERMANENT EASEMENT
- TEMPORARY WORKSPACE
- ADDITIONAL TEMPORARY WORKSPACE (ATWS)
- PROPOSED STAGING AREA
- ACCESS ROAD
- PROPOSED 24-INCH DIAMETER PIPELINE
- EXISTING GAS PIPELINE
- EXISTING FOREIGN PIPELINE
- OVERHEAD POWER LINE
- EXISTING FIBER OPTIC LINE
- 123.000 MMD
- PROPERTY LINE
- MUNICIPAL LINE
- WETLAND (DESKTOP)
- WETLAND (DELINEATED)
- POND (DELINEATED)
- 1/2 OF STREAM (DESKTOP)
- 1/2 OF STREAM (DELINEATED)
- FENCE LINE

REFERENCE DRAWINGS			
DWG. NO.	ALIGNMENT SHEET	TITLE	
STLP-A-088			
STLP-HDD-007			

REVISIONS			
NO.	REVISIONS	DATE	DRAWN
1	ISSUE FOR PERC	01/20/17	GR
2	AMENDMENT TO PERC	04/20/17	KAM
3	PERC SUPPLEMENTAL FILING	07/20/17	KAM

REVISIONS			
NO.	REVISIONS	DATE	DRAWN

APPROVALS			
DRAWN BY	DATE	EDM APPROVAL	DATE
RJP	06/20/17	DGG	07/20/17
CHECKED BY	DATE	P.M. APPROVAL	DATE
RJP	07/20/17	JEV	07/20/17

PREPARED FOR
Spire STL Pipeline

PREPARED BY
MOTT MACDONALD

SPIRE STL PIPELINE PROJECT
PROPOSED 24-INCH DIAMETER PIPELINE
ACCESS ROAD SITE PLAN - TAR-021
ST. LOUIS, MISSOURI

SPANISH LAKE TOWNSHIP, ST. LOUIS COUNTY,
MISSOURI

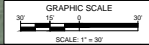


LOCATION MAP
N.T.S.



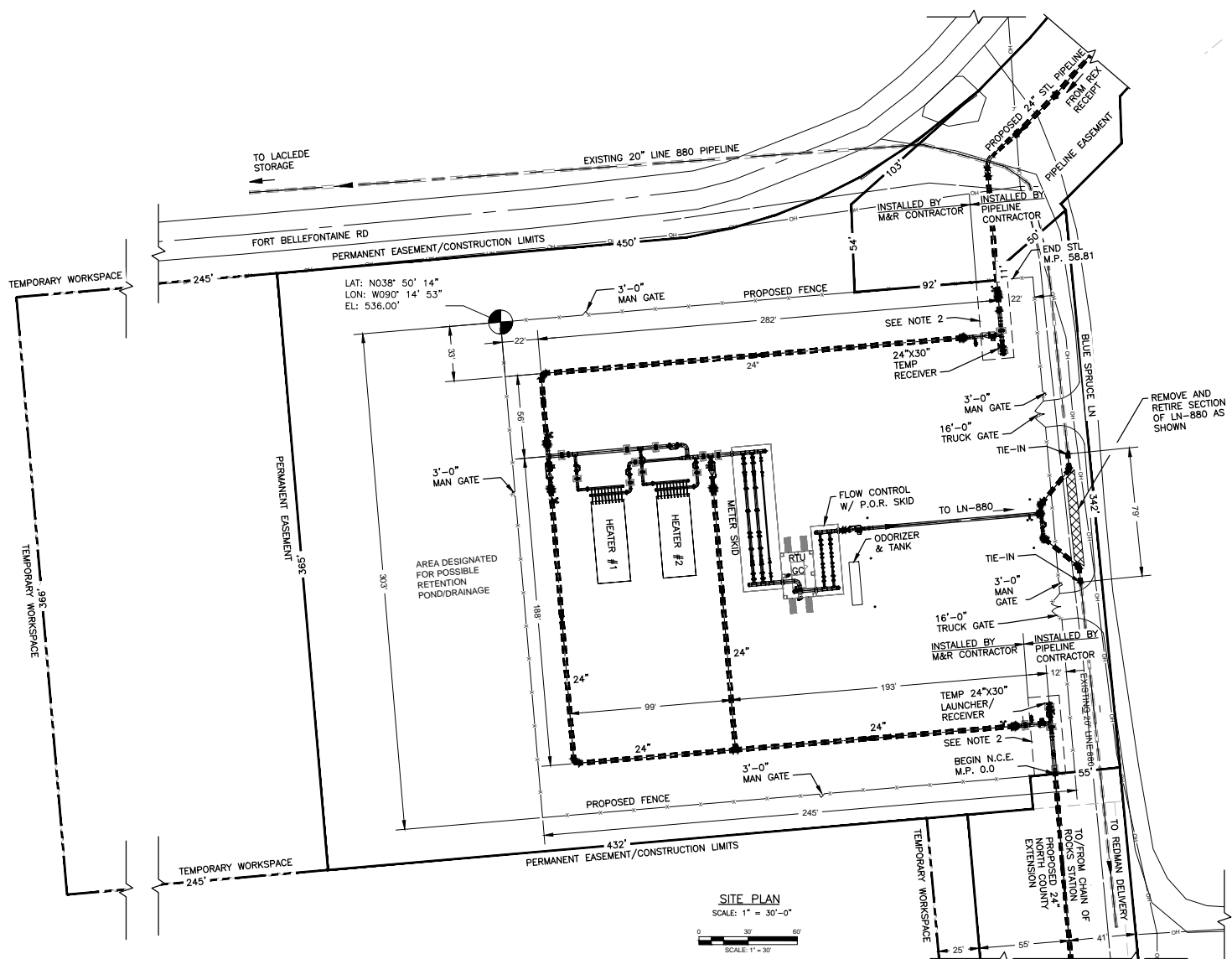
LEGEND

- PROPOSED PERMANENT EASEMENT
- ▨ TEMPORARY WORKSPACE
- ▨ ADDITIONAL TEMPORARY WORKSPACE (ATWS)
- ▨ PROPOSED STAGING AREA
- ACCESS ROAD
- PROPOSED 24-INCH DIAMETER PIPELINE
- PROPOSED 36-INCH DIAMETER NORTH COUNTY EXTENSION
- EXISTING GAS PIPELINE
- EXISTING FOREIGN PIPELINE
- OVERHEAD POWER LINE
- EXISTING FIBER OPTIC LINE
- 6434.0000 MMD
- PROPERTY LINE
- MUNICIPAL LINE
- ▨ WETLAND (DESKTOP)
- ▨ WETLAND (DELINEATED)
- 1/2 OF STREAM (DESKTOP)
- 1/2 OF STREAM (DELINEATED)
- PROPOSED FENCE
- UTILITY POLE
- STORM SEWER



REFERENCE DRAWINGS		NO.		REVISIONS				REVISIONS				APPROVALS				PREPARED FOR		PREPARED BY		PROJECT		
DWG. NO.	TITLE	DWG. NO.	TITLE	NO.	DATE	DRAWN	CHK	APPR.	NO.	DATE	DRAWN	CHK	APPR.	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	
STLP-A-088	ALIGNMENT SHEET			3	FERC SUPPLEMENTAL	05/20/17	GLH	EB	DDG					OGG	03/20/17	OGG	04/20/17					
STLP-A-1001	NCE ALIGNMENT SHEET													COOPER	03/16	PJM	03/16					
STL-M-200-0000	LACLEDE/LANGE DELIVERY STATION LAYOUT													BJP	04/20/17	JEV	04/20/17					STLP-S8-002

SPIRE STL PIPELINE PROJECT
LACLEDE/LANGE DELIVERY STATION
SITE LAYOUT
ST LOUIS COUNTY, MISSOURI



- NOTES:**
- 1) DETAILED DESIGN, DRAFTING AND FINAL ENGINEERING WILL BE BY ENGINEER/FABRICATOR.
 - 2) PIPELINE CONTRACTOR RESPONSIBLE FOR INSTALLING ALL PIPING RELATING TO TEMPORARY BARREL AND STATION ATTACHMENT. THE FABRICATED ASSEMBLY WILL BE PRE-FABRICATED BY OTHERS. PIPING ON THE M&R SIDE OF THE VALVES ARE TO BE FABRICATED AND INSTALLED BY M&R CONTRACTOR, AS SHOWN.
 - 3) TEMPORARY LAUNCHER/RECEIVER BARRELS WILL BE INSTALLED BY SPIRE AT A LATER TIME.

- LEGEND:**
- PERMANENT EASEMENT
 - - - - - TEMPORARY WORKSPACE
 - OH — OH POWER LINE
 - P — PROPERTY LINE
 - x - x - x - PROPOSED FENCE
 - XXXXXX REMOVE & RETIRE

SITE PLAN
SCALE: 1" = 30'-0"
0 30' 60'

ENGINEERING FIRM

M M
MOTT
MACDONALD

CLIENT

Spire STL Pipeline

Rev	Date	Drawn	Description	Chk'd	App'd
3	07/2017	BDP	FERC SUPPLEMENTAL FILING	JUG	WRM
2	04/2017	BDP	AMENDMENT TO FERC	JUG	WRM
1	01/2017	BDP	ISSUED FOR FERC	JUG	WRM

Project Number	MM-372453	B/O	Total
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Designed	BDP	Eng check	WRM
Drawn	BDP	Coordination	BWW
Design check	JUG	Approved	BWW
Scale at ARCH D	Status	Rev	3
AS NOTED		Security	
Drawing Number	STL-M-200-0200		

SPIRE STL PIPELINE PROJECT
LACLEDE/LANGE DELIVERY STATION
ST. LOUIS COUNTY, MO
SITE PLAN

C:\Users\j24163_1\OneDrive\Documents\Spire STL Pipeline\Spire STL Pipeline.dwg, j24163_1, 07/20/2017, 10:12AM, 7/17/2017

Ali Trunzo

From: Matt Tanner
Sent: Tuesday, August 29, 2017 10:43 AM
To: Riley, Jennifer
Cc: Knoll, James; Ferry, Lori M; Ali Trunzo; Robin Weissert
Subject: Spite STL Pipeline Project Info for St. Louis County Conference Call
Attachments: 8-4-17 Spire STL_USGS Topo.pdf; 8-4-17 Spire STL_Chain of Rocks Facility-Site Layout.pdf

Ms. Riley,

We appreciate you taking the time to talk with us later today to discuss the Spire STL Pipeline project and St. Louis County permitting for land disturbance and floodplains. I will be sending Project figures this morning for reference during our discussion. A topographic map showing the overall Project route within St. Louis County is attached. I've outlined information and questions on the land disturbance and floodplain permits that we would like to discuss below.

Land Disturbance:

One of the reasons for our call is that Spire believes that the Spire STL Pipeline project would be exempt from St. Louis 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. Louis 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 ahead of our call later today.

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 our understanding that the County’s Land Disturbance Code and land disturbance permit requirements were developed to help the County comply with the requirements of 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. Louis County ordinance.

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). Please note that 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.

Floodplain Permits:

1. There are limited permanent aboveground structures proposed to be constructed within FEMA floodzone AE. The proposed Project has one location which will involve aboveground construction within Zone AE and Zone X where the Project ends at the proposed Chain of Rocks and existing MRT facility (Site Layout attached). Permanent aboveground structures within the Zone AE will be limited to a fenced gravel area with valving. The other locations where the Project crosses FEMA flood Zones include: the horizontal directional drill crossing of the Missouri River, the horizontal directional drill crossing of Coldwater Creek and US-67, and a pipeline crossing of an Unnamed Tributary of the Missouri River (North County Extension MP 2.9) that is designated as FEMA Zone X. With this in mind, we would like to discuss what the County will want to see included in the floodplain permit submittal.
2. We would like to discuss the typical time frame for review of the permit applications and the timeframe that Spire will have to begin and complete construction once the permit is approved.

Thank you for your consideration of this request. We look forward to discussing these with you later today. I will be sending additional Project drawings in follow-up emails.

Sincerely

Matthew T. Tanner, P.E.

Senior Project Engineer

300 Summers Street, Suite 1100, Charleston, WV 25301

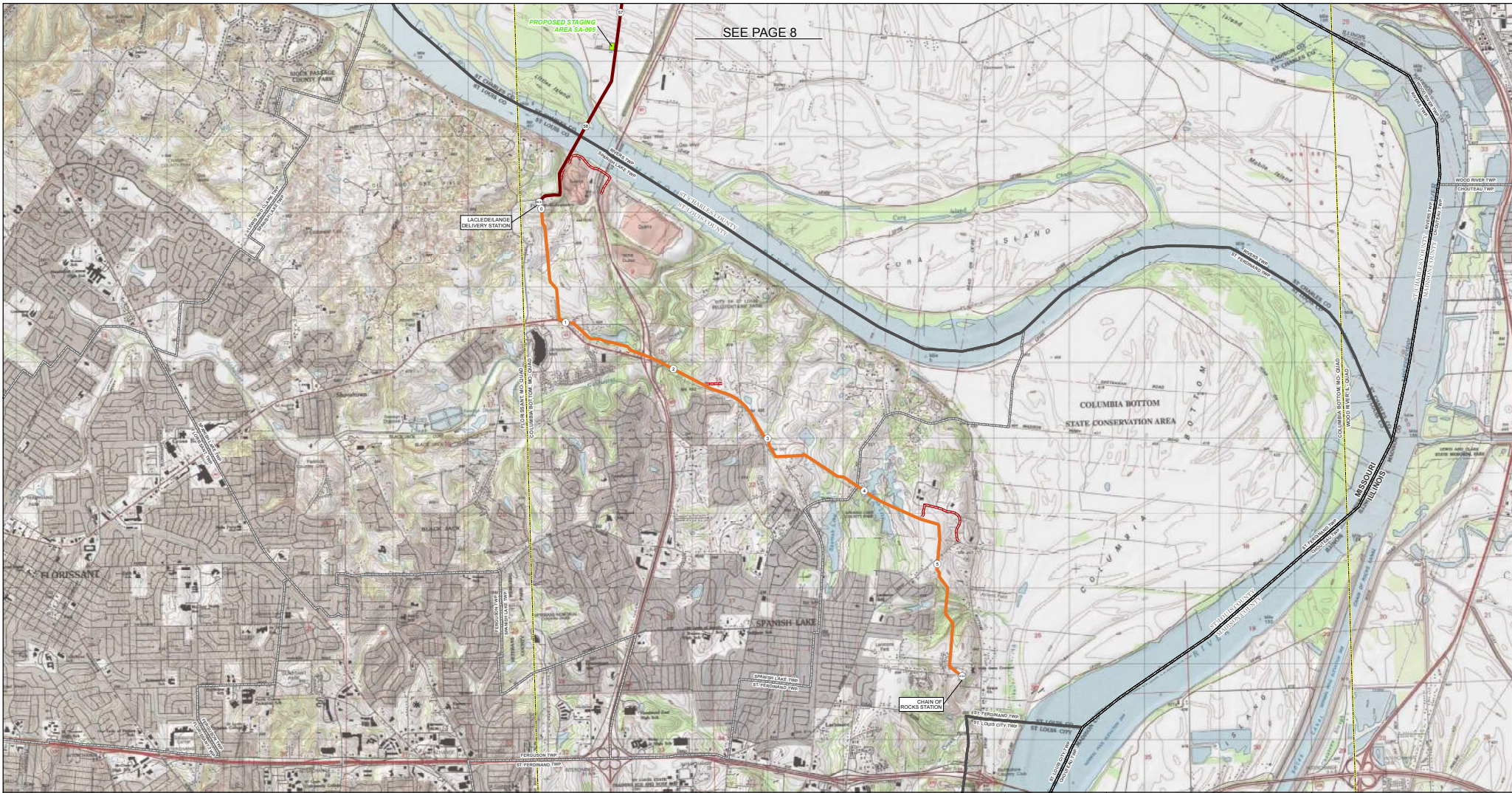
T 304.926.8100 **D** 681.245.8854 **M** 304.963.3184

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SEE PAGE 8

SPIRE STL PIPELINE PROJECT TOPOGRAPHIC MAP

RIVERS TOWNSHIP, ST. CHARLES COUNTY, AND SPANISH LAKE & ST. FERDINAND TOWNSHIPS, ST. LOUIS COUNTY, MISSOURI



ABSOLUTE SCALE:
1:24,000

REFERENCE SCALE:
1 IN = 2,000 FEET



PREPARED FOR
**Spire
STL Pipeline**

PREPARED BY
**M M
MOTT
MACDONALD**

DRAWN BY:	EAP 12/16/2016
CHECKED BY:	KPW 12/19/2016
ENG. APPROVAL:	DG 12/19/2016
APPROVED BY:	JW 12/19/2016
REV. DATE:	04/2017
REVISION:	3
DESC:	AMENDMENT TO FERC
PAGE:	STLP-QM-009

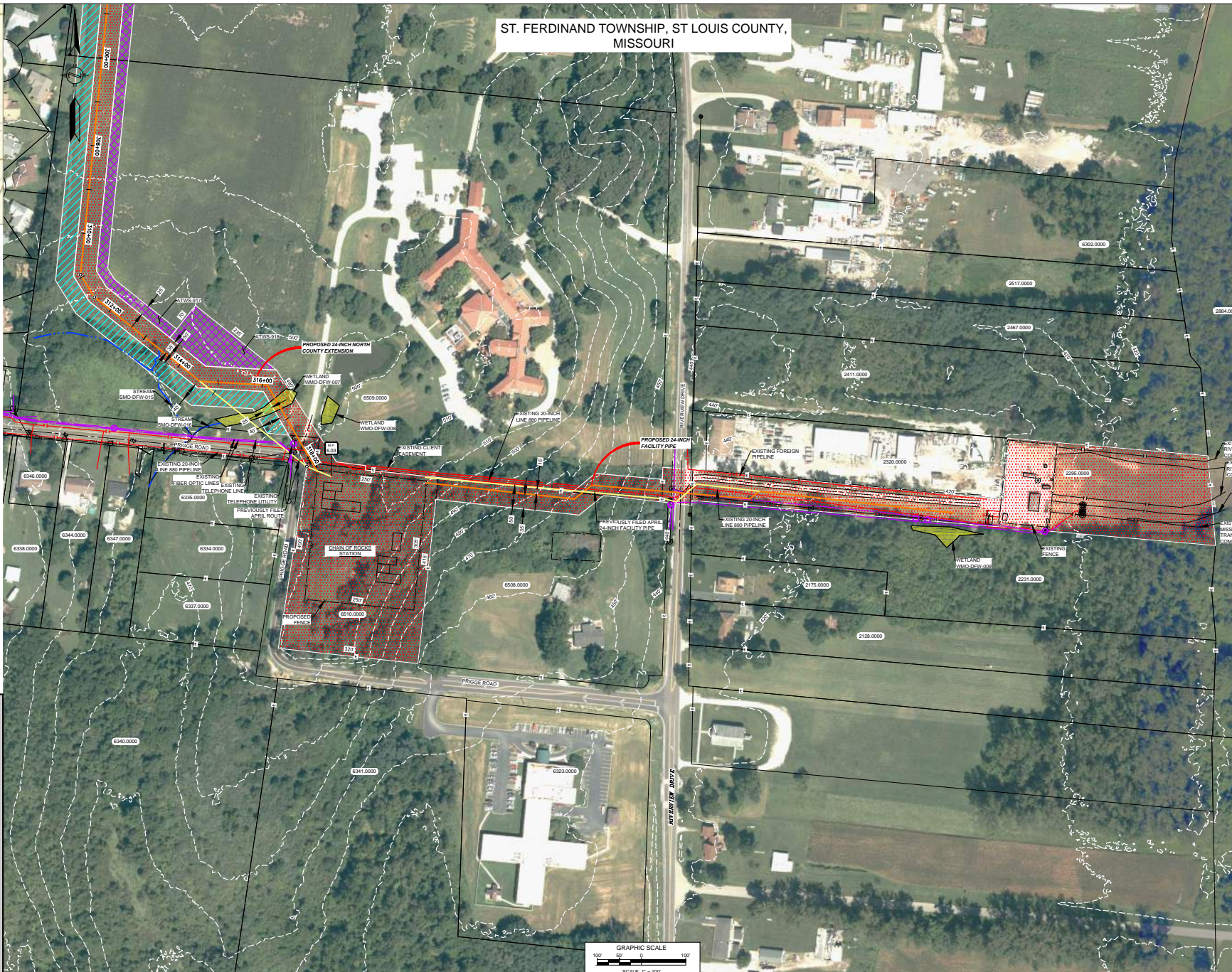
①	MILE POST		PROPOSED 24-INCH DIAMETER PIPELINE		PROPOSED STAGING AREA
○	PROPOSED M&R SITE		PROPOSED 24-INCH NORTH COUNTY EXTENSION		TOWNSHIP BOUNDARY
●	PROPOSED MAINLINE VALVE SITE		PROPOSED ACCESS ROAD		COUNTY BOUNDARY
					STATE BOUNDARY
					USGS QUADRANGLE BOUNDARY

MAPS COMPILED UTILIZING ESRI TOPOGRAPHIC BASEMAP.

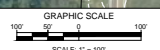
ST. FERDINAND TOWNSHIP, ST LOUIS COUNTY, MISSOURI



LOCATION MAP
N.T.S.



- LEGEND**
- EXISTING PERMANENT EASEMENT
 - PROPOSED PERMANENT EASEMENT
 - TEMPORARY WORKSPACE
 - ADDITIONAL TEMPORARY WORKSPACE (ATWS)
 - PROPOSED STAGING AREA
 - ACCESS ROAD
 - PROPOSED 24-INCH DIAMETER NORTH COUNTY EXTENSION
 - EXISTING GAS PIPELINE
 - EXISTING FOREIGN PIPELINE
 - OVERHEAD POWER LINE
 - EXISTING FIBER OPTIC LINE
 - 6434.0000 MMD
 - PROPERTY LINE
 - MUNICIPAL LINE
 - WETLAND (DESKTOP)
 - WETLAND (DELINEATED)
 - 1/4 OF STREAM (DESKTOP)
 - 1/4 OF STREAM (DELINEATED)
 - PROPOSED FENCE
 - UTILITY POLE
 - STORM SEWER



REFERENCE DRAWINGS		REFERENCE DRAWINGS		REVISIONS				REVISIONS				APPROVALS				
DWG. NO.	TITLE	DWG. NO.	TITLE	NO.	DATE	DRAWN	CK.	APPR.	NO.	DATE	DRAWN	CK.	APPR.	DATE	DATE	
STLP-A-1007	ALIGNMENT SHEET	STL-M-200-0302	CHAIN OF ROCKS STATION	1	01/2017	GJM	EB	DGG								
STLM-200-0300	CHAIN OF ROCKS STATION	STLM-200-0303	ENABLE MRT CHAIN OF ROCKS STATION (EAST)	2	04/2017	KSS	RJP	DGG								
STLM-200-0301	CHAIN OF ROCKS STATION (WEST)			3	07/2017	GJM	EB	DGG								

PREPARED FOR
Spire STL Pipeline

PREPARED BY
M MOTT MACDONALD

SPIRE STL PIPELINE PROJECT
CHAIN OF ROCKS STATION
SITE LAYOUT
ST LOUIS COUNTY, MISSOURI

Ali Trunzo

From: Matt Tanner
Sent: Monday, August 28, 2017 1:11 PM
To: Ferry, Lori M; Ali Trunzo
Cc: Robin Weissert
Subject: FW: Spire STL Pipeline Project - St. Louis County Permitting Conference Call

FYI

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

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-----Original Appointment-----

From: Knoll, James [mailto:JMKnoll@stlouisco.com]
Sent: Monday, August 28, 2017 12:37 PM
To: Matt Tanner
Cc: Riley, Jennifer
Subject: Declined: Spire STL Pipeline Project - St. Louis County Permitting Conference Call
When: Tuesday, August 29, 2017 2:00 PM-3:00 PM (UTC-06:00) Central Time (US & Canada).
Where: Skype Meeting

Matt,

I will be out of the office tomorrow unexpectedly and will be unable for the conference call.

Jennifer Riley (314-615-8548) will be able to conference in. Jennifer is a supervisor that works in my group and can answer any questions you may have regarding land disturbance, SWPPPs, Special Use Permits, floodplain studies, etc.

I forwarded your invite to Jennifer and she is copied into to this email.

Thank you,
Jim

James M. Knoll, PE, CFM
Supervisor, Project Managers | [Civil Plan Review and Special Use Permits Groups](#)

St. Louis County Department of Transportation
41 S. Central Ave. | Clayton, MO 63105
direct 314-615-8554 | office 314-615-8517 | fax 314-615-7084
jmknoll@stlouisco.com | www.stlouisco.com

telephone log



gai consultants

Date: 08/23/2017

Project / Admin. No.: E160438.00

Call From: Matt Tanner

Company: GAI Consultants

Phone No.: 681-245-8854

Call To: Jim Knoll

Company: St. Louis County, Missouri

Phone No.: 314-615-8554

Subject: Project and Permitting Discussion Conference Call Scheduling

cc:

Summary of Discussion, Decisions, and Commitments:

I contacted Mr. Jim Knoll to try to set up a conference call with him, GAI, and Spire to discuss the Project and St. Louis County's permitting requirements since we were unable to meet with him in person the previous week. I asked him if he might be available on August 28 or 29, 2017 for the call. We scheduled the call for 2:00 pm central time on August 29. I told him that we had the ability to share screens via Skype to help in discussion of the Project. Mr. Knoll said that he couldn't do a Skype call and that it would have to be a conference call. I told him that we could send drawings via email prior to the meeting for discussion. Mr. Knoll said that it would be helpful we could also provide a list of questions prior to the meeting.

Ali Trunzo

From: Lori Ferry
Sent: Monday, August 14, 2017 4:03 PM
Cc: Ali Trunzo; Douglas Sipe; Lori Ferry
Subject: Spire STL Pipeline Project-FERC Notice of Schedule
Attachments: 8-3-17 Spire STL_FERC Notice of Schedule.docx

Hello,

Please take notice that the Federal Energy Regulatory Commission (FERC) has issued its Notice of Schedule pertaining to the Spire STL Pipeline Project on August 3, 2017 and expects to issue the Environmental Assessment on or before September 29, 2017.

A copy of the Notice is attached for your reference.

Thank you,
Lori Ferry

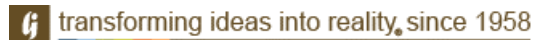
Lori Ferry
Environmental Manager-Energy Business Unit

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



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UNITED STATES OF AMERICA
FEDERAL ENERGY REGULATORY COMMISSION

Spire STL Pipeline Company, LLC

Docket Nos. CP17-40-000
CP17-40-001

NOTICE OF SCHEDULE FOR ENVIRONMENTAL REVIEW
OF THE SPIRE STL PIPELINE PROJECT

(August 3, 2017)

On January 26, 2017, Spire STL Pipeline, LLC (Spire) filed an application in Docket No. CP17-40-000 requesting a Certificate of Public Convenience and Necessity pursuant to Section 7(c) of the Natural Gas Act to construct and operate certain natural gas pipeline facilities. On April 21, 2017, Spire amended its application to incorporate various changes in project routing. The proposed project is known as the Spire STL Pipeline Project (Project), and would link the greater St. Louis Region to a new supply of gas, through transport of about 400,000 dekatherms per day of natural gas service.

On February 6, 2017, the Federal Energy Regulatory Commission (Commission or FERC) issued its Notice of Application for the Project. Among other things, that notice alerted agencies issuing federal authorizations of the requirement to complete all necessary reviews and to reach a final decision on a request for a federal authorization within 90 days of the date of issuance of the Commission staff's Environmental Assessment (EA) for the Project. This instant notice identifies the FERC staff's planned schedule for the completion of the EA for the Project.

Schedule for Environmental Review

Issuance of EA	September 29, 2017
90-day Federal Authorization Decision Deadline	December 28, 2017

If a schedule change becomes necessary, additional notice will be provided so that the relevant agencies are kept informed of the Project's progress.

Project Description

The proposed Project includes (i) about 65 miles of new 24-inch-diameter pipeline in Scott, Greene, and Jersey Counties, Illinois and St. Charles and St. Louis Counties, Missouri, (ii) a new meter station in Scott County, Illinois, (iii) two new meter stations in St. Louis County, Missouri, and (iv) additional piping and pigging facilities at each of the three meter stations.

Background

During the Commission's pre-filing process, on October 26, 2016, the Commission issued a *Notice of Intent to Prepare an Environmental Assessment for the Planned Spire STL Pipeline Project, Request for Comments on Environmental Issues, and Notice of Public Scoping Sessions*. Subsequent to this notice, Spire filed a potential pipeline route alternative in St. Louis County, Missouri. Therefore, on March 3, 2017, the Commission issued a *Supplemental Notice of Intent to Prepare an Environmental Assessment for the Proposed Spire STL Pipeline Project and Request for Comments on Environmental Issues*. These two notices were published in the Federal Register¹ and mailed to 1,141 and 342 interested parties, respectively, including affected landowners; federal, state, and local government agencies; elected officials; environmental and public interest groups; Native American tribes; other interested parties; and local libraries and newspapers. In response to these two notices, the Commission received comments from The U.S. Environmental Protection Agency, the National Park Service, Missouri Department of Conservation, Missouri Department of Natural Resources, Osage Nation Historic Preservation Office, the Miami Tribe of Oklahoma, the Winnebago Tribe, several labor unions, and 13 landowners. The primary issues raised by the commentors include concerns for the proposed crossing of the Mississippi River regarding contamination of a public water source, construction on steep slopes, opposition to the Chautauqua alternative, concerns for impacts on the Upper Mississippi River Conservation Area, land held in conservation easement/habitat programs (specifically the conservation reserve and quail habitat programs), historic trails, Principia College/Three Rivers Community Farm, and safety.

The U.S. Army Corps of Engineers and Illinois Department of Agriculture are cooperating agencies in the preparation of the EA.

Additional Information

In order to receive notification of the issuance of the EA and to keep track of all formal issuances and submittals in specific dockets, the Commission offers a free service called eSubscription. This can reduce the amount of time you spend researching proceedings by automatically providing you with notification of these filings, document summaries, and direct links to the documents. Go to www.ferc.gov/docs-filing/esubscription.asp.

Additional information about the Project is available from the Commission's Office of External Affairs at (866) 208-FERC or on the FERC website (www.ferc.gov). Using the "eLibrary" link, select "General Search" from the eLibrary menu, enter the selected date range and "Docket Number" excluding the last three digits (i.e., CP17-40),

¹ 81 Federal Register 31922

and follow the instructions. For assistance with access to eLibrary, the helpline can be reached at (866) 208-3676, TTY (202) 502-8659, or at FERCOnlineSupport@ferc.gov. The eLibrary link on the FERC website also provides access to the texts of formal documents issued by the Commission, such as orders, notices, and rule makings.

Kimberly D. Bose,
Secretary.

telephone log



gai consultants

Date: 08/03/2017

Project / Admin. No.: E160438.00

Call From: Matt Tanner

Company: GAI Consultants

Phone No.: 681-245-8854

Call To: Jim Knoll

Company: St. Louis County, Missouri

Phone No.: 314-615-8554

Subject: Project and Permitting Discussion Meeting Scheduling

cc:

Summary of Discussion, Decisions, and Commitments:

I contacted Mr. Jim Knoll to try to set up a meeting with him and Spire to discuss the project and St. Louis County's permitting requirements. I asked him if he might be available the week of August 14, 2017 and told him that we were trying to set up a time to coordinate with other meetings with St. Charles and Jersey Counties. Mr. Knoll said that he would be out all that week. He suggested that we check with Spire to see what our group's availability was, other than that week, and email him.



Native American Tribes

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:	9/29/2017
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 III Phase I Cultural Resources 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*
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1	--	--	September 29, 2017	Cover Letter – Addendum III Phase I Report Submittal to MO SHPO	--
1	--	--	September 29, 2017	Missouri Addendum III Phase I Report	--

*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

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:	9/29/2017
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 III Phase I Cultural Resources Survey Reports, Illinois and Missouri

WE ARE SENDING YOU: Electronic Files
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Sincerely,



Eric P. Scuoteguazza, M.A., M.B.A., RPA
 Senior Cultural Resources Manager

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:	9/29/2017
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 III Phase I
Cultural Resources Survey Reports, Illinois and
Missouri

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Eric P. Scuoteguazza, M.A., M.B.A., RPA
 Senior Cultural Resources Manager

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:	9/29/2017
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 III Phase I
Cultural Resources Survey Reports, Illinois and
Missouri

WE ARE SENDING YOU: Electronic Files
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PURPOSE: For Review and Comment

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Sincerely,



Eric P. Scuoteguazza, M.A., M.B.A., RPA
 Senior Cultural Resources Manager

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:	9/29/2017
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 III Phase I Cultural Resources Survey Reports, Illinois and Missouri

WE ARE SENDING YOU: Electronic Files
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PURPOSE: For Review and Comment

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Sincerely,



Eric P. Scuoteguazza, M.A., M.B.A., RPA
 Senior Cultural Resources Manager

GAI Consultants, Inc.

Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841
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www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	9/29/2017
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 III Phase I Cultural Resources Survey Reports, Illinois and Missouri

WE ARE SENDING YOU: Electronic Files
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Sincerely,



Eric P. Scuoteguazza, M.A., M.B.A., RPA
 Senior Cultural Resources Manager

GAI Consultants, Inc.

Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841
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www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	9/29/2017
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 III Phase I Cultural Resources Survey Reports, Illinois and Missouri

WE ARE SENDING YOU: Electronic Files
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Eric P. Scuoteguazza, M.A., M.B.A., RPA
 Senior Cultural Resources Manager

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:	9/29/2017
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 III Phase I
Cultural Resources Survey Reports, Illinois and
Missouri

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 Senior Cultural Resources Manager

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 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841
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www.gaiconsultants.com

Letter of Transmittal

TRANSMITTAL NO.	
DATE:	9/29/2017
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 III Phase I
 Cultural Resources Survey Reports, Illinois and
 Missouri**

WE ARE SENDING YOU: Electronic Files
VIA: Regular US Mail
PURPOSE: For Review and Comment

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Sincerely,



Eric P. Scuoteguazza, M.A., M.B.A., RPA
 Senior Cultural Resources Manager

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:	9/29/2017
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 III Phase I Cultural Resources Survey Reports, Illinois and Missouri

WE ARE SENDING YOU: Electronic Files
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PURPOSE: For Review and Comment

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Sincerely,



Eric P. Scuoteguazza, M.A., M.B.A., RPA
 Senior Cultural Resources Manager

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:	9/29/2017
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 III Phase I Cultural Resources Survey Reports, Illinois and Missouri

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PURPOSE: For Review and Comment

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Sincerely,



Eric P. Scuoteguazza, M.A., M.B.A., RPA
 Senior Cultural Resources Manager

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:	9/29/2017
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 III Phase I
 Cultural Resources Survey Reports, Illinois and
 Missouri**

WE ARE SENDING YOU: Electronic Files
VIA: Regular US Mail
PURPOSE: For Review and Comment

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 Senior Cultural Resources Manager

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:	9/29/2017
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 III Phase I Cultural Resources Survey Reports, Illinois and Missouri

WE ARE SENDING YOU: Electronic Files
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PURPOSE: For Review and Comment

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Sincerely,



Eric P. Scuoteguazza, M.A., M.B.A., RPA
 Senior Cultural Resources Manager

GAI Consultants, Inc.

Southpointe Office
 6000 Towne Center Boulevard, Suite 300
 Canonsburg, Pennsylvania 15317-5841
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Letter of Transmittal

TRANSMITTAL NO.	
DATE:	9/29/2017
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 III Phase I Cultural Resources 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	--	--	September 29, 2017	Cover Letter – Illinois Addendum III Phase I Report, Submittal to IHPA	--
1	--	--	September 29, 2017	Illinois Addendum III Phase I Report	--
1	--	--	September 29, 2017	Cover Letter – Addendum III Phase I Report Submittal to MO SHPO	--
1	--	--	September 29, 2017	Missouri Addendum III Phase I Report	--

*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

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:	9/29/2017
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 III Phase I Cultural Resources Survey Reports, Illinois and Missouri

WE ARE SENDING YOU: Electronic Files
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 Canonsburg, Pennsylvania 15317-5841
 T 724.873.3545
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Letter of Transmittal

TRANSMITTAL NO.	
DATE:	9/29/2017
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 III Phase I Cultural Resources Survey Reports, Illinois and Missouri

WE ARE SENDING YOU: Electronic Files
VIA: Regular US Mail
PURPOSE: For Review and Comment

COMMENTS:

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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

Subject: RE: Spire STL Pipeline Project-FERC Notice of Schedule

From: Elizabeth Toombs [<mailto:elizabeth-toombs@cherokee.org>]
Sent: Thursday, August 31, 2017 11:23 AM
To: Lori Ferry <L.Ferry@gaiconsultants.com>
Subject: FW: Spire STL Pipeline Project-FERC Notice of Schedule

Good Morning, Ms. Ferry:

I reviewed the attached notice this morning; however, the notice did not list that the Cherokee Nation responded to the review request from April 2017. Please find attached the e-mail response from the Cherokee Nation's Tribal Historic Preservation Office.

Many thanks for your time and attention. Please let me know if there are any questions or concerns.

Wado,

Elizabeth Toombs, Special Projects Officer
Cherokee Nation
Tribal Historic Preservation Office
PO Box 948
Tahlequah, OK 74465-0948
918.453.5389

From: Lori Ferry [<mailto:L.Ferry@gaiconsultants.com>]
Sent: Friday, August 18, 2017 2:27 PM
Cc: Ali Trunzo
Subject: Spire STL Pipeline Project-FERC Notice of Schedule

**WARNING STAMP, MICROSOFT WORD ATTACHMENT:
IF YOU DO NOT KNOW THE SENDER OF THIS EMAIL OR WAS NOT EXPECTING THIS EMAIL, DO NOT OPEN ANY
EMAIL ATTACHMENTS AND DELETE THIS MESSAGE.
Thank you: Cherokee Nation Information Technology Department

Hello,

Please take notice that the Federal Energy Regulatory Commission (FERC) has issued its Notice of Schedule pertaining to the Spire STL Pipeline Project on August 3, 2017 and expects to issue the Environmental Assessment on or before September 29, 2017.

A copy of the Notice is attached for your reference.

Thank you,
Lori Ferry

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



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Ali Trunzo

From: Lori Ferry
Sent: Friday, August 18, 2017 4:50 PM
To: Ali Trunzo
Subject: Fwd: Spire STL Pipeline Project-FERC Notice of Schedule
Attachments: image001.jpg; image002.png; image003.png; image004.png; image005.png; image006.png; image007.jpg

Sent from my iPhone

Begin forwarded message:

From: <tonya@shawnee-tribe.com>
Date: August 18, 2017 at 3:42:17 PM CDT
To: 'Lori Ferry' <L.Ferry@gaiconsultants.com>
Subject: RE: Spire STL Pipeline Project-FERC Notice of Schedule

This letter is in response to the above referenced project.

The Shawnee Tribe's Tribal Historic Preservation Department concurs that no known historic properties will be negatively impacted by this project.

We have no issues or concerns at this time, but in the event that archaeological materials are encountered during construction, use, or maintenance of this location, please re-notify us at that time as we would like to resume immediate consultation under such a circumstance.

If you have any questions, you may contact Second Chief Ben Barnes via email at ben.barnes@gmail.com or Roy Baldrige at ckrtstr@yahoo.com.

Thank you for giving us the opportunity to comment on this project.

Sincerely,
Tonya Tipton
Shawnee Tribe



From: Lori Ferry [<mailto:L.Ferry@gaiconsultants.com>]
Sent: Friday, August 18, 2017 2:27 PM
Cc: Ali Trunzo <A.Trunzo@gaiconsultants.com>
Subject: Spire STL Pipeline Project-FERC Notice of Schedule

Hello,

Please take notice that the Federal Energy Regulatory Commission (FERC) has issued its Notice of Schedule pertaining to the Spire STL Pipeline Project on August 3, 2017 and expects to issue the Environmental Assessment on or before September 29, 2017.

A copy of the Notice is attached for your reference.

Thank you,
Lori Ferry

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



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Ali Trunzo

Subject: Spire STL Pipeline Project-FERC Notice of Schedule

From: Lori Ferry [<mailto:L.Ferry@gaiconsultants.com>]
Sent: Friday, August 18, 2017 2:27 PM
Cc: Ali Trunzo <A.Trunzo@gaiconsultants.com>
Subject: Spire STL Pipeline Project-FERC Notice of Schedule

Hello,

Please take notice that the Federal Energy Regulatory Commission (FERC) has issued its Notice of Schedule pertaining to the Spire STL Pipeline Project on August 3, 2017 and expects to issue the Environmental Assessment on or before September 29, 2017.

A copy of the Notice is attached for your reference.

Thank you,
Lori Ferry

Lori Ferry
Environmental Manager-Energy Business Unit

GAI Consultants

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l.ferry@gaiconsultants.com



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UNITED STATES OF AMERICA
FEDERAL ENERGY REGULATORY COMMISSION

Spire STL Pipeline Company, LLC

Docket Nos. CP17-40-000
CP17-40-001

NOTICE OF SCHEDULE FOR ENVIRONMENTAL REVIEW
OF THE SPIRE STL PIPELINE PROJECT

(August 3, 2017)

On January 26, 2017, Spire STL Pipeline, LLC (Spire) filed an application in Docket No. CP17-40-000 requesting a Certificate of Public Convenience and Necessity pursuant to Section 7(c) of the Natural Gas Act to construct and operate certain natural gas pipeline facilities. On April 21, 2017, Spire amended its application to incorporate various changes in project routing. The proposed project is known as the Spire STL Pipeline Project (Project), and would link the greater St. Louis Region to a new supply of gas, through transport of about 400,000 dekatherms per day of natural gas service.

On February 6, 2017, the Federal Energy Regulatory Commission (Commission or FERC) issued its Notice of Application for the Project. Among other things, that notice alerted agencies issuing federal authorizations of the requirement to complete all necessary reviews and to reach a final decision on a request for a federal authorization within 90 days of the date of issuance of the Commission staff's Environmental Assessment (EA) for the Project. This instant notice identifies the FERC staff's planned schedule for the completion of the EA for the Project.

Schedule for Environmental Review

Issuance of EA	September 29, 2017
90-day Federal Authorization Decision Deadline	December 28, 2017

If a schedule change becomes necessary, additional notice will be provided so that the relevant agencies are kept informed of the Project's progress.

Project Description

The proposed Project includes (i) about 65 miles of new 24-inch-diameter pipeline in Scott, Greene, and Jersey Counties, Illinois and St. Charles and St. Louis Counties, Missouri, (ii) a new meter station in Scott County, Illinois, (iii) two new meter stations in St. Louis County, Missouri, and (iv) additional piping and pigging facilities at each of the three meter stations.

Background

During the Commission's pre-filing process, on October 26, 2016, the Commission issued a *Notice of Intent to Prepare an Environmental Assessment for the Planned Spire STL Pipeline Project, Request for Comments on Environmental Issues, and Notice of Public Scoping Sessions*. Subsequent to this notice, Spire filed a potential pipeline route alternative in St. Louis County, Missouri. Therefore, on March 3, 2017, the Commission issued a *Supplemental Notice of Intent to Prepare an Environmental Assessment for the Proposed Spire STL Pipeline Project and Request for Comments on Environmental Issues*. These two notices were published in the Federal Register¹ and mailed to 1,141 and 342 interested parties, respectively, including affected landowners; federal, state, and local government agencies; elected officials; environmental and public interest groups; Native American tribes; other interested parties; and local libraries and newspapers. In response to these two notices, the Commission received comments from The U.S. Environmental Protection Agency, the National Park Service, Missouri Department of Conservation, Missouri Department of Natural Resources, Osage Nation Historic Preservation Office, the Miami Tribe of Oklahoma, the Winnebago Tribe, several labor unions, and 13 landowners. The primary issues raised by the commentors include concerns for the proposed crossing of the Mississippi River regarding contamination of a public water source, construction on steep slopes, opposition to the Chautauqua alternative, concerns for impacts on the Upper Mississippi River Conservation Area, land held in conservation easement/habitat programs (specifically the conservation reserve and quail habitat programs), historic trails, Principia College/Three Rivers Community Farm, and safety.

The U.S. Army Corps of Engineers and Illinois Department of Agriculture are cooperating agencies in the preparation of the EA.

Additional Information

In order to receive notification of the issuance of the EA and to keep track of all formal issuances and submittals in specific dockets, the Commission offers a free service called eSubscription. This can reduce the amount of time you spend researching proceedings by automatically providing you with notification of these filings, document summaries, and direct links to the documents. Go to www.ferc.gov/docs-filing/esubscription.asp.

Additional information about the Project is available from the Commission's Office of External Affairs at (866) 208-FERC or on the FERC website (www.ferc.gov). Using the "eLibrary" link, select "General Search" from the eLibrary menu, enter the selected date range and "Docket Number" excluding the last three digits (i.e., CP17-40),

¹ 81 Federal Register 31922

and follow the instructions. For assistance with access to eLibrary, the helpline can be reached at (866) 208-3676, TTY (202) 502-8659, or at FERCOnlineSupport@ferc.gov. The eLibrary link on the FERC website also provides access to the texts of formal documents issued by the Commission, such as orders, notices, and rule makings.

Kimberly D. Bose,
Secretary.

Ali Trunzo

From: Lori Ferry
Sent: Wednesday, August 16, 2017 10:01 AM
To: Eric Scuoteguazza; Ali Trunzo
Subject: Fwd: Spire STL Pipeline Project-FERC Notice of Schedule
Attachments: image001.png; image002.png; image003.png; image004.png; image005.png; image006.jpg

Sent from my iPhone

Begin forwarded message:

From: Michael LaRonge <Michael.LaRonge@fcpotawatomi-nsn.gov>
Date: August 15, 2017 at 4:47:26 PM CDT
To: 'Lori Ferry' <L.Ferry@gaiconsultants.com>
Subject: RE: Spire STL Pipeline Project-FERC Notice of Schedule

Dear Ms. Ferry,

Thank you for the notification. At this time the project related to Scott, Greene, and Jersey Counties falls outside the current geographic area of interest of the Forest County Potawatomi Community. Therefore the Historic Preservation Office on behalf of the Tribe does not wish to consult further on the project at this time. Thank you.

Sincerely,

Michael LaRonge
Tribal Historic Preservation Officer
Natural Resources Department
Forest County Potawatomi Community
5320 Wensaut Lane
P.O. Box 340
Crandon, Wisconsin 54520
Phone: 715-478-7354
Fax: 715-478-7225
Email: Michael.LaRonge@FCPotawatomi-nsn.gov

From: Lori Ferry [<mailto:L.Ferry@gaiconsultants.com>]
Sent: Tuesday, August 15, 2017 3:35 PM
To: Lori Ferry
Subject: Spire STL Pipeline Project-FERC Notice of Schedule

Hello,

Please take notice that the Federal Energy Regulatory Commission (FERC) has issued its Notice of Schedule pertaining to the Spire STL Pipeline Project on August 3, 2017 and expects to issue the Environmental Assessment on or before September 29, 2017.

A copy of the Notice is attached for your reference.

Thank you,
Lori Ferry

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



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Ali Trunzo

From: Lori Ferry
Sent: Monday, August 14, 2017 4:25 PM
To: Ali Trunzo
Subject: FW: Spire STL Pipeline Project-FERC Notice of Schedule

From: Nekole Alligood [mailto:NAlligood@delawarenation.com]
Sent: Monday, August 14, 2017 3:09 PM
To: Lori Ferry <L.Ferry@gaiconsultants.com>
Subject: RE: Spire STL Pipeline Project-FERC Notice of Schedule

Good afternoon. I no longer conduct 106 reviews for the Delaware Nation unless they involve inadvertent finds such as human remains, sites or artifacts. In the future, please address all 106 correspondence not involving those specific issues to Kim Penrod at kpenrod@delawarenation.com.

Thank you,
Nekole

From: Lori Ferry [mailto:L.Ferry@gaiconsultants.com]
Sent: Monday, August 14, 2017 3:06 PM
Cc: Ali Trunzo <A.Trunzo@gaiconsultants.com>; Douglas Sipe <dsipe@mdmcorp.com>; Lori Ferry <L.Ferry@gaiconsultants.com>
Subject: Spire STL Pipeline Project-FERC Notice of Schedule

Hello,

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Thank you,
Lori Ferry

Lori Ferry
Environmental Manager-Energy Business Unit

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Ali Trunzo

From: Lori Ferry
Sent: Monday, August 14, 2017 4:03 PM
Cc: Ali Trunzo; Douglas Sipe; Lori Ferry
Subject: Spire STL Pipeline Project-FERC Notice of Schedule
Attachments: 8-3-17 Spire STL_FERC Notice of Schedule.docx

Hello,

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Lori Ferry

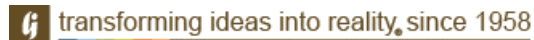
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UNITED STATES OF AMERICA
FEDERAL ENERGY REGULATORY COMMISSION

Spire STL Pipeline Company, LLC

Docket Nos. CP17-40-000
CP17-40-001

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Secretary.