

MAIN INSTALLATION CHECKLIST

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If an item is marked Unsatisfactory, Not Applicable, or Not Checked, an explanation must be included in this report.

Operator: AMEREN ILLINOIS COMPANY	Operator ID#: 32513
Inspection Date(s): 9/3/2014, 9/4/2014	Man Days: 2
Inspection Unit: Maryville	
Location of Audit: Wood River, Waterloo	
Exit Meeting Contact: Charles Tebbe	
Inspection Type: Design Testing and Construction	
Pipeline Safety Representative(s): Valerie Schwing	
Company Representative to Receive Report: Michael Fuller	
Company Representative's Email Address: mfuller2@ameren.com	

CONSTRUCTION INFORMATION		
Location of Construction: N. Moore, Waterloo IL	Construction Performed By: KS Energy	
Contractor Foreman:	Scott Kornely	
Operator Inspector:	Miles Mclaughlin	
Person(s) On Job Site		
George Shoudel	Robert Crabtree	Ben Doyle
Gerald Howard	Jules Varwig	
Description of Construction: On September 4, 2014, Staff witnessed the construction crew KS Energy in Waterloo conduct directional boring. The previous day a weld at the Waterloo job site had burned through and the Ameren Crew had to weld a pumpkin to fix the leak.		

MAIN INSTALLATION		Status
[192.55]	Steel	Yes
[192.59]	PE	No
[192.59]	Other	No
[192.5]	Class location :	Class 1
[192.619,192.621,192.623]	MAOP	180 PSI
[192.63]	Pipe Size :	4 inch
[192.55,192.59]	Specification :	API 5L

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[192.55,192.59]	Manufacturer :	Mid States
[192.55,192.59]	Pipe Grade :	X52
[192.55,192.59]	Wall Thickness :	.237
[192.63(a)(2)]	Are pipe, valves, and fittings properly marked for identification?	Satisfactory
[192.227]	Date of Welder qualification:	5/5/14
[192.227]	Welder's Name:	Robert Crabtree
[192.225,192.275,192.277,192.279,192.283]	Is pipe joined in accordance with approved written procedures?	Satisfactory
[192.285]	Date of Plastic Joining Qualification :	Not Applicable
<u>General Comment:</u>		
<i>There was not any plastic pipe being installed.</i>		
[192.285]	Joiner's name:	Not Applicable
<u>General Comment:</u>		
<i>There was not any plastic pipe being installed.</i>		
[192.455]	Is buried metallic pipe coated?	Satisfactory
<u>General Comment:</u>		
<i>The pipe that was being bored into the ground was double coated.</i>		
[192.461]	Does coating meet 192.461?	Satisfactory
[192.455(a)(1)]	Is cathodic protection being provided?	Satisfactory
[192.455(a)(1)]	Is cathodic protection being provided? By Anodes:	Yes
[192.455(a)(1)]	Is cathodic protection being provided? By Rectifier:	No
[192.461(c)]	Is coating inspected just prior to being installed in the ditch?	Satisfactory
[192.467]	Are pipelines electrically isolated from other underground metallic structures?	Satisfactory
[192.479]	Are above ground facilities cleaned and coated or jacketed as needed?	Not Applicable
<u>General Comment:</u>		
<i>There were not any above ground facilities to be checked.</i>		
[192.303]	Are comprehensive written construction specifications available and adhered to?	Satisfactory
<u>General Comment:</u>		
<i>Staff examined engineering specs for job number GTSE00947</i>		
[192.305]	Are inspections performed by the operator to check adherence to the construction specifications?	Satisfactory

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[192.307]	Is material being visually inspected at the site of installation to ensure against damage that could impair its serviceability?	Satisfactory
[192.319]	Is ditch back-filled to provide firm support and prevent damage to pipe or coating?	Satisfactory
[192.321(c)]	Is plastic pipe installed as to minimize shear and tensile forces?	Not Applicable
General Comment: <i>There was not any plastic pipe being installed.</i>		
[192.321(e)]	Does plastic pipe have means of locating while underground?	Not Applicable
General Comment: <i>There was not any plastic pipe being installed.</i>		
[192.325]	Are required clearances from underground structures being maintained?	Satisfactory
[192.327]	Is required cover being obtained appropriate to type of pipeline and location?	Satisfactory
[192.503]	Are general testing requirements being met?	Not Checked
General Comment: <i>Staff did not witness any testing while on site.</i>		
[192.517]	Are records being made of strength and leak tests?	Not Checked
General Comment: <i>Staff did not witness any testing while on site.</i>		
[192.807]	Were covered employees Operator Qualification records reviewed to ensure qualification?	Satisfactory
General Comment: <i>Staff reviewed the welder's qualification and the boring machine operator's qualifications.</i>		
[192.805(c)]	Were non-qualified personnel being directed and observed by a qualified individual?	Not Applicable
General Comment: <i>All of the personnel were qualified.</i>		
[192.805(c)]	Were span of control limitations being followed?	Satisfactory
Was a Protocol 9 (Form 15) Completed?		No
[192.614]	Were One Call Notifications performed as required?	Satisfactory
[192.614]	Dig Ticket #	Not Applicable
General Comment: A2320253		

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<i>Dig Start Aug. 22, 2014</i>		
[192.751]	Are adequate steps taken to minimize the potential for accidental ignition?	Satisfactory
[192.719(b)]	Was each repair made by welding to a transmission line made in accordance with 192.713, 192.715, and 192.717 and examined in accordance with 192.241?	Not Applicable
<u>General Comment:</u>		
<i>This pipeline was not a transmission pipeline.</i>		

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