

## MAIN INSTALLATION CHECKLIST

Unless otherwise noted, all code references are to 49CFR Part 192.

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

<b>Operator:</b> NORTH SHORE GAS CO	Operator ID#: 13660
<b>Inspection Date(s):</b> 10/23/2013, 10/24/2013	Man Days: 2
<b>Inspection Unit:</b> Waukegan	
<b>Location of Audit:</b> Waukegan	
<b>Exit Meeting Contact:</b> Mark Kinzle	
<b>Inspection Type:</b> Design Testing and Construction	
<b>Pipeline Safety Representative(s):</b> Steve Canestrini,	
<b>Company Representative to Receive Report:</b> Tom Webb	
<b>Company Representative's Email Address:</b> TJWebb@peoplesgasdelivery.com	

CONSTRUCTION INFORMATION		
<b>Location of Construction:</b> 33800 block of lake Shore Drive, Gage Lake.	<b>Construction Performed By:</b> Meade Construction	
<b>Contractor Foreman:</b>		
<b>Operator Inspector:</b>		
Person(s) On Job Site		
Chad Ballok	Kirk Comer	Doug Miller
Trinidad Padilla	Aaron Pleir	Eric Wyatt
<b>Description of Construction:</b> Meade Construction, working with North Shore Gas employees, tying in a new section of 2" PE main to an existing 2" PE main. The North Shore Gas employees squeezed off the existing 2" PE main. Meade Construction completed the butt fusion to the new 2" PE main. North Shore Gas employees purged and pressurized the main.		

MAIN INSTALLATION		Status
[192.55]	Steel	<b>No</b>
[192.59]	PE	<b>Yes</b>
[192.59]	Other	<b>No</b>
[192.5]	Class location :	<b>3</b>
[192.619,192.621,192.623]	MAOP	<b>60 pounds</b>
[192.63]	Pipe Size :	<b>2"</b>

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[192.55,192.59]	Specification :	<b>PE 2406/2708</b>
[192.55,192.59]	Manufacturer :	<b>DriscoPlex</b>
[192.55,192.59]	Pipe Grade :	<b>D2513</b>
[192.55,192.59]	Wall Thickness :	<b>0.375</b>
[192.63(a)(2)]	Are pipe, valves, and fittings properly marked for identification?	<b>Satisfactory</b>
<b><u>General Comment:</u></b> <i>Both sections of main were properly marked for identification.</i>		
[192.227]	Date of Welder qualification:	<b>PE main</b>
[192.227]	Welder's Name:	<b>PE main</b>
[192.225,192.275,192.277,192.279,192.283]	Is pipe joined in accordance with approved written procedures?	<b>Satisfactory</b>
<b><u>General Comment:</u></b> <i>North Shore Gas employees followed the proper anti-static protection, grounding and squeezing procedures. The fuser for Meade construction followed the proper alignment, cleaning, fusing, and cool-down procedures.</i>		
[192.285]	Date of Plastic Joining Qualification :	<b>10/16/13</b>
[192.285]	Joiner's name:	<b>Aaron Pleir</b>
[192.455]	Is buried metallic pipe coated?	<b>Not Applicable</b>
<b><u>General Comment:</u></b> <i>PE main installation</i>		
[192.461]	Does coating meet 192.461?	<b>Not Applicable</b>
<b><u>General Comment:</u></b> <i>PE main installation</i>		
[192.455(a)(1)]	Is cathodic protection being provided?	<b>Not Applicable</b>
<b><u>General Comment:</u></b> <i>PE main installation</i>		
[192.455(a)(1)]	Is cathodic protection being provided? By Anodes:	<b>Not Applicable</b>
<b><u>General Comment:</u></b> <i>PE main installation</i>		
[192.455(a)(1)]	Is cathodic protection being provided? By Rectifier:	<b>Not Applicable</b>
<b><u>General Comment:</u></b> <i>PE main installation</i>		
[192.461(c)]	Is coating inspected just prior to being installed in the ditch?	<b>Not Applicable</b>
<b><u>General Comment:</u></b>		

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<i>PE main installation</i>		
[192.467]	Are pipelines electrically isolated from other underground metallic structures?	<b>Not Applicable</b>
<b><u>General Comment:</u></b>		
<i>PE main installation</i>		
[192.479]	Are above ground facilities cleaned and coated or jacketed as needed?	<b>Not Applicable</b>
<b><u>General Comment:</u></b>		
<i>All facilities observed were below grade.</i>		
[192.303]	Are comprehensive written construction specifications available and adhered to?	<b>Satisfactory</b>
<b><u>General Comment:</u></b>		
<i>The construction specifications were available on the job site.</i>		
[192.305]	Are inspections performed by the operator to check adherence to the construction specifications?	<b>Satisfactory</b>
<b><u>General Comment:</u></b>		
<i>A North Shore Gas inspector was on site verifying adherence to the construction specifications.</i>		
[192.307]	Is material being visually inspected at the site of installation to ensure against damage that could impair its serviceability?	<b>Satisfactory</b>
<b><u>General Comment:</u></b>		
<i>The pipe was visually inspected by the North Shore Gas employee and Meade fuser who were performing the work on the main.</i>		
[192.319]	Is ditch back-filled to provide firm support and prevent damage to pipe or coating?	<b>Satisfactory</b>
<b><u>General Comment:</u></b>		
<i>The back fill on the ditch provided support to prevent any damage to the pipe.</i>		
[192.321(c)]	Is plastic pipe installed as to minimize shear and tensile forces?	<b>Satisfactory</b>
<b><u>General Comment:</u></b>		
<i>The two sections of main were installed so as to minimize any shear or tensile forces applied to the pipe.</i>		
[192.321(e)]	Does plastic pipe have means of locating while underground?	<b>Satisfactory</b>
<b><u>General Comment:</u></b>		
<i>A tracer wire was installed for both sections of main. They were properly connected to provide a means to locate the pipe.</i>		
[192.325]	Are required clearances from underground structures being maintained?	<b>Satisfactory</b>
<b><u>General Comment:</u></b>		

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<i>Did not observe any underground structures near the installation.</i>		
[192.327]	Is required cover being obtained appropriate to type of pipeline and location?	<b>Satisfactory</b>
<b><u>General Comment:</u></b> <i>The main was approximately 33" in depth.</i>		
[192.503]	Are general testing requirements being met?	<b>Satisfactory</b>
<b><u>General Comment:</u></b> <i>A leak test using the operating pressure where the butt fusion was made was completed.</i>		
[192.517]	Are records being made of strength and leak tests?	<b>Satisfactory</b>
<b><u>General Comment:</u></b> <i>A copy of the test results were given to the company inspector on site.</i>		
[192.807]	Were covered employees Operator Qualification records reviewed to ensure qualification?	<b>Satisfactory</b>
<b><u>General Comment:</u></b> <i>Reviewed the OQ records for the employees on the job site. All were qualified in the tasks being performed.</i>		
[192.805(c)]	Were non-qualified personnel being "directed and observed" by a qualified individual?	<b>Not Applicable</b>
<b><u>General Comment:</u></b> <i>All employees on site were qualified.</i>		
[192.805(c)]	Were span of control limitations being followed?	<b>Not Applicable</b>
<b><u>General Comment:</u></b> <i>All employees on site were qualified.</i>		
Was a Protocol 9 (Form 15) Completed?		<b>No</b>
[192.614]	Were One Call Notifications performed as required?	<b>Satisfactory</b>
<b><u>General Comment:</u></b> <i>Reviewed the dig number for the job site. The ticket was valid for the dates and location of the excavation.</i>		
[192.614]	Dig Ticket #	<b>A002692140</b>

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