

**Utilities and Transportation Commission**  
**Standard Inspection Report for Intrastate Gas Transmission Pipelines**  
**Form D - Records Review and Field Inspection**

S – Satisfactory    U – Unsatisfactory    N/A – Not Applicable    N/C – Not Checked  
 If an item is marked U, N/A, or N/C, an explanation must be included in this report.

A completed **Standard Inspection Checklist, Cover Letter and Field Report** is to be submitted to the Chief Engineer within 30 days from completion of the inspection.

Inspection Report			
<b>Inspection ID/Docket number</b>	7573		
<b>Inspector Name &amp; Submit Date</b>	Derek Norwood/August 27, 2018		
<b>Chief Eng Name &amp; Review Date</b>	Joe Subsits, 8/28/2018		
Operator Information			
<b>Name of Operator:</b>	Ferndale Pipeline System	<b>OP ID #:</b>	570
<b>Name of Unit(s):</b>	Ferndale Pipeline System		
<b>Records Location:</b>	Bayview Terminal		
<b>Date(s) of Last (unit) Inspection:</b>	July 20-23, 2015	<b>Inspection Date(s):</b>	August 14-16, 2018

<p><b>Inspection Summary:</b></p> <p>This inspection was conducted from August 14 to August 16, 2018. The records portion of this inspection was conducted at the Bayview Terminal and consisted of leak survey, cathodic protection, damage prevention, public awareness, odorization, etc. The field portion was conducted from Sumas to BP Cherry Point and Cherry Point to Intalco. Inspections were performed at Block Valve 2, 4 and 5. Odorization testing was performed at Cherry Point and Intalco. Various CP read and casing isolation test were performed along the ROW, see Form R for complete details.</p> <p>No probable violations nor areas of concern were noted during this inspection.</p>
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<b>HQ Address:</b> 30 S Wacker Drive Chicago, IL 60606	<b>System/Unit Name &amp; Address:</b> 14879 Ovenell Road Mount Vernon, WA 98273	
<b>Co. Official:</b> John Newhouse <b>Phone No.:</b> 847-714-7610 <b>Fax No.:</b> <b>Emergency Phone No.:</b> 800-548-6482	<b>Phone No.:</b> <b>Fax No.:</b> <b>Emergency Phone No.:</b>	
<b>Persons Interviewed</b>	<b>Title</b>	<b>Phone No.</b>
John Newhouse	DOT Compliance Coordinator	847-714-7610
Jim Bruen	DOT Team Leader	331-702-3367
Jim Fraley		

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<b>UTC staff conducted abbreviated procedures inspection on 192 O&amp;M and WAC items that changed since the last inspection. This checklist focuses on Records and Field items per a routine standard inspection.</b>			
(check one below and enter appropriate date)			
<input checked="" type="checkbox"/>	Team inspection was performed (Within the past five years.) or,	<b>Date:</b>	10/22/2015
<input type="checkbox"/>	Other UTC Inspector reviewed the O & M Manual (Since the last yearly review of the manual by the operator.)	<b>Date:</b>	

GAS SYSTEM OPERATIONS			
<b>Gas Supplier</b>	Spectra Energy		
Number of reportable safety related conditions last year	0	Number of deferred leaks in system	0
Number of <u>non-reportable</u> safety related conditions last year	0	Number of third party hits last year	0
Miles of transmission pipeline within unit (total miles and miles in class 3 & 4 areas)	36.2		
<b>Operating Pressure(s):</b>		<b>MAOP (Within last year)</b>	<b>Actual Operating Pressure (At time of Inspection)</b>
Feeder:	635 psig	812 psig	530 psig
Town:			
Other:			
Does the operator have any transmission pipelines?	Yes		
Compressor stations? Use Attachment 4.	No		
Have incident reports and the annual report been reviewed for accuracy and analyzed for trends and operator issues?    Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>			
<b>Comments: Reviewed Annual Reports, No changes year-to-year, mileage appears to be consistent</b>			

Pipe Specifications:			
Year Installed (Range)	1990	Pipe Diameters (Range)	16-inch and 8-inch
Material Type	Steel	Line Pipe Specification Used	X42 and X65
Mileage	36.2	SMYS %	32%
Supply Company		Class Locations	3

REPORTING RECORDS			S	U	N/A	N/C
1.	RCW 81.88.080	Pipeline Mapping System: Has the operator provided accurate maps (or updates) of pipelines, operating over two hundred fifty pounds per square inch gauge, to specifications developed by the commission sufficient to meet the needs of first responders?	X			
2.	480-93-200(1)	Telephonic Reports to UTC <b>Pipeline Safety Incident Notification 1-888-321-9144</b> (Within <b>2 hours</b> ) for events which ( <b>regardless of cause</b> );				
3.	480-93-200(1)(a)	Result in a fatality or personal injury requiring hospitalization;			X	
4.	480-93-200(1)(b)	Results in damage to property of the operator and others of a combined total exceeding fifty thousand dollars; <b>Note:</b> Report all damages regardless if claim was filed with pipeline company or not.			X	
5.	480-93-200(1)(c)	Results in the evacuation of a building, or high occupancy structures or areas;			X	

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REPORTING RECORDS			S	U	N/A	N/C
6.	480-93-200(1)(d)	Results in the unintentional ignition of gas;			X	
7.	480-93-200(1)(e)	Results in the unscheduled interruption of service furnished by any operator to twenty five or more distribution customers;			X	
8.	480-93-200(1)(f)	Results in a pipeline or system pressure exceeding the MAOP plus ten percent or the maximum pressure allowed by proximity considerations outlined in WAC 480-93-020;			X	
9.	480-93-200(1)(g)	Is significant, in the judgment of the operator, even though it does not meet the criteria of (a) through (e) of this subsection; or			X	
10.	480-93-200(2)	Telephonic Reports to UTC <b>Pipeline Safety Incident Notification 1-888-321-9144</b> (Within <b>24 hours</b> ) for;			X	
11.	480-93-200(2)(a)	The uncontrolled release of gas for more than two hours;			X	
12.	480-93-200(2)(b)	The taking of a high pressure supply or transmission pipeline or a major distribution supply pipeline out of service;			X	
13.	480-93-200(2)(c)	A pipeline operating at low pressure dropping below the safe operating conditions of attached appliances and gas equipment; or			X	
14.	480-93-200(2)(d)	A pipeline pressure exceeding the MAOP			X	

**Comments:**  
 Items 2-14 – Ferndale had no state reportable incidents

			S	U	N/A	N/C
15.	480-93-200(5)	Written incident reports (within 30 days) including the following;				
16.	480-93-200(4)(a)	Name(s) and address(es) of any person or persons injured or killed, or whose property was damaged;			X	
17.	480-93-200(4)(b)	The extent of injuries and damage;			X	
18.	480-93-200(4)(c)	A description of the incident or hazardous condition including the date, time, and place, and reason why the incident occurred. If more than one reportable condition arises from a single incident, each must be included in the report;			X	
19.	480-93-200(4)(d)	A description of the gas pipeline involved in the incident or hazardous condition, the system operating pressure at that time, and the MAOP of the facilities involved;			X	
20.	480-93-200(4)(e)	The date and time the gas pipeline company was first notified of the incident;			X	
21.	480-93-200(4)(f)	The date and time the ((operator's)) gas pipeline company's first responders arrived on-site;			X	
22.	480-93-200(4)(g)	The date and time the gas ((facility)) pipeline was made safe;			X	
23.	480-93-200(4)(h)	The date, time, and type of any temporary or permanent repair that was made;			X	
24.	480-93-200(4)(i)	The cost of the incident to the ((operator)) gas pipeline company;			X	
25.	480-93-200(4)(j)	Line type;			X	
26.	480-93-200(4)(k)	City and county of incident; and			X	
27.	480-93-200(4)(l)	Any other information deemed necessary by the commission.			X	
28.	480-93-200(5)	Submit a supplemental report if required information becomes available			X	
29.	480-93-200(6)	Written report within 45 days of receiving the failure analysis of any <b>incident or hazardous condition</b> due to <b>construction defects or material failure</b>			X	

**Comments:**  
 Items 15-28 – Ferndale had no state reportable incidents  
 Item 29 – Ferndale had no construction defects or material failures

30.	480-93-200(7)	<b>Filing Reports of Damage to Gas Pipeline Facilities to the commission. (eff 4/1/2013)</b> (Via the commission's Virtual DIRT system or on-line damage reporting form)				
31.	480-93-200(7)(a)	Does the operator report to the commission the requirements set forth in RCW 19.122.053(3) (a) through (n)			X	

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32.	480-93-200(7)(b)	Does the operator report the name, address, and phone number of the person or entity that the company has reason to believe may have caused damage due to excavations conducted <u>without facility locates</u> first being completed?			X	
33.	480-93-200(7)(c)	Does the operator retain all damage and damage claim records it creates related to damage events reported under 93-200(7)(b), including photographs and documentation supporting the conclusion that a facilities locate was not completed? <b>Note:</b> Records maintained for two years and made available to the commission upon request.			X	
34.	480-93-200(8)	Does the operator provide the following information to excavators who damage gas pipeline facilities?				
35.	480-93-200(8)(a)	<ul style="list-style-type: none"> <li>Notification requirements for excavators under RCW 19.122.050(1)</li> </ul>			X	
36.	480-93-200(8)(b)	<ul style="list-style-type: none"> <li>A description of the excavator's responsibilities for reporting damages under RCW 19.122.053; and</li> </ul>			X	
37.	480-93-200(8)(c)	<ul style="list-style-type: none"> <li>Information concerning the safety committee referenced under RCW 19.122.130, including committee contact information, and the process for filing a complaint with the safety committee.</li> </ul>			X	
38.	480-93-200(9)	<b>Reports to the commission only when the operator or its contractor observes or becomes aware of the following activities...</b> <ul style="list-style-type: none"> <li>An excavator digs within thirty-five feet of a transmission pipeline, as defined by RCW 19.122.020(26) without first obtaining a facilities locate; (200(9)(a)</li> <li>A person intentionally damages or removes marks indicating the location or presence of gas pipeline facilities. 200(9)(b)</li> </ul> <b>Landowner had fence installed February 2018, Olympic sent letter to contractor and an email to Lynda Holloway</b>	X			
39.	480-93-200(7)	<b>Filing Reports of Damage to Gas Pipeline Facilities to the commission. (eff 4/1/2013)</b> (Via the commission's Virtual DIRT system or on-line damage reporting form)			X	
40.	480-93-200(10)	<b>Annual Reports</b> filed with the commission no later than <b>March 15</b> for the proceeding calendar year. ( <i>NOTE: PHMSA extension to June 15, 2013 for the year 2012</i> ).	S	U	N/A	N/C
41.	480-93-200(10)(a)	A copy of PHMSA F-7100.1-1 and F-7100.2-1 annual report required by U.S. Department of Transportation, PHMSA/Office of Pipeline Safety <b>Reviewed report submission dates for 2015, 2016 and 2017. All reports submitted by March 15</b>	X			
42.	480-93-200(10)(b)	Reports detailing all construction defects and material failures resulting in leakage. Categorizing the different types of construction defects and material failures. The report must include the following: (i) Types and numbers of construction defects; and (ii) Types and numbers of material failures. <b>Reviewed report submission dates for 2015, 2016 and 2017. All reports submitted by March 15</b>	X			
43.	480-93-200(11)	Providing updated emergency contact information to the commission and appropriate officials of all municipalities where gas pipeline companies have facilities	X			
44.	480-93-200(12)	Providing by email, reports of daily construction and repair activities no later than 10:00 a.m.			X	
45.	480-93-200(13)	Submitting copy of DOT Drug and Alcohol Testing MIS Data Collection Form when required <b>Reviewed report submission dates for 2015, 2016 and 2017. All reports submitted by March 15</b>	X			

**Comments:**

Items 30-37 – Ferndale had no excavator damage to their pipeline  
Item 39 – Ferndale had no excavator damage to their pipeline  
Item 44 – Ferndale has had no construction activity to report

**CONSTRUCTION RECORDS**

			S	U	N/A	N/C
46.	480-93-080(1)(c)	Use of testing equipment to record and document essential variables			X	
47.	480-93-115(2)	Test leads on casings (without vents) installed after 9/05/1992			X	

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48.	480-93-115(3)	Sealing ends of casings or conduits on transmission pipelines and main			X	
49.	480-93-115(4)	Sealing ends (nearest building wall) of casings or conduits on services			X	
50.	480-93-160(1)	Detailed report filed 45 days prior to construction or replacement of transmission pipelines ≥ 100 feet in length			X	
51.	480-93-170(3)	Pressure Tests Performed on new and replacement pipelines			X	
52.	480-93-170(10)	Pressure Testing Equipment checked for Accuracy/Intervals (Manufacturers recommendation or operators schedule)			X	
53.	480-93-175(1)	Study prepared and approved prior to moving and lowering of metallic pipelines > 60 psig			X	

**Comments:**  
 Items 46-53 – Ferndale had no construction during this inspection period

OPERATIONS and MAINTENANCE RECORDS			S	U	N/A	N/C								
54.	<b>Damage Prevention Program</b>													
55.	480-93-250(3)	Are locates are being made within the timeframes required by RCW 19.122? Examine record sample. <b>Dig Ticket 17225794 Called 6/20/17, OPL responded 6/20/17</b> <b>Dig Ticket 16339667 Called 10/19/16 OPL responded 10/20/16</b>	X											
56.	480-93-015(1)	Odorization of Gas – Concentrations adequate? <b>Reviewed sampling of records, Lowest reading of 0.14% gas-in-air, highest reading of 0.29% gas-in-air</b>	X											
57.	480-93-015(2)	Monthly Odorant Sniff Testing <b>Reviewed records from August 2015 to August 2018</b>	X											
58.	480-93-015(3)	Prompt action taken to investigate and remediate odorant concentrations not meeting the minimum requirements			X									
59.	480-93-015(4)	Odorant Testing Equipment Calibration/Intervals (Annually or Manufacturers Recommendation) <b>Reviewed Calibration for Odorometer 5110, calibrated in March every year</b>	X											
60.	480-93-124(3)	Pipeline markers attached to bridges or other spans inspected? <b>1/yr(15 months)</b>			X									
61.	480-93-124(4)	Markers reported missing or damaged replaced within <b>45 days?</b>	X											
62.	480-93-185(1)	Reported gas leaks investigated promptly/graded/record retained			X									
63.	480-93-185(3)	Leaks originating from a foreign source reported promptly/notification by mail/record retained			X									
64.	480-93-187	Gas Leak records - Content			X									
65.	480-93-188(1)	Gas Leak surveys – Coverage <b>Performed annually NTE 15 months, covered entire line, performed semi-annually in Class 3 locations</b>	X											
66.	480-93-188(2)	Gas detection instruments tested for accuracy/intervals (Mfct rec or monthly not to exceed 45 days)	X											
67.	480-93-188(3)	Leak survey frequency ( <b>Refer to Table Below</b> )	X											
<table border="1" style="margin: auto;"> <tr> <td><b>Business Districts (By 6/02/07)</b></td> <td><b>1/yr (15 months)</b></td> </tr> <tr> <td><b>High Occupancy Structures</b></td> <td><b>1/yr (15 months)</b></td> </tr> <tr> <td><b>Pipelines Operating ≥ 250 psig</b></td> <td><b>1/yr (15 months)</b></td> </tr> <tr> <td><b>Other Mains: CI, WI, copper, unprotected steel</b></td> <td><b>2/yr (7.5 months)</b></td> </tr> </table>							<b>Business Districts (By 6/02/07)</b>	<b>1/yr (15 months)</b>	<b>High Occupancy Structures</b>	<b>1/yr (15 months)</b>	<b>Pipelines Operating ≥ 250 psig</b>	<b>1/yr (15 months)</b>	<b>Other Mains: CI, WI, copper, unprotected steel</b>	<b>2/yr (7.5 months)</b>
<b>Business Districts (By 6/02/07)</b>	<b>1/yr (15 months)</b>													
<b>High Occupancy Structures</b>	<b>1/yr (15 months)</b>													
<b>Pipelines Operating ≥ 250 psig</b>	<b>1/yr (15 months)</b>													
<b>Other Mains: CI, WI, copper, unprotected steel</b>	<b>2/yr (7.5 months)</b>													
68.	480-93-188(4)(a)	Special leak surveys - Prior to paving or resurfacing, following street alterations or repairs			X									
69.	480-93-188(4)(b)	Special leak surveys - areas where substructure construction occurs adjacent to underground gas facilities, and damage could have occurred			X									
70.	480-93-188(4)(c)	Special leak surveys - Unstable soil areas where active gas lines could be affected			X									

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OPERATIONS and MAINTENANCE RECORDS			S	U	N/A	N/C
71.	480-93-188(4)(d)	Special leak surveys - areas and at times of unusual activity, such as earthquake, floods, and explosions			X	
72.	480-93-188(4)(e)	Special leak surveys - After third-party excavation damage, operators must perform a gas leak survey to eliminate the possibility of multiple leaks and underground migration into nearby buildings.			X	
73.	480-93-188(5)	Gas survey records: Retention/Content	X			
74.	480-93-188(6)	Leak Survey Program/Self Audits			X	

**Comments:**  
 Item 58 – Ferndale had no low odorant readings  
 Item 60 – Ferndale has no bridge crossings or spans  
 Items 62-64 – Ferndale has had no leaks  
 Items 68-72 – None of these events have occurred near Ferndale Pipeline  
 Item 74 – Ferndale has had no leaks so there is nothing to audit

CORROSION CONTROL RECORDS			S	U	N/A	N/C
75.	480-93-110(8)	CP test reading on all exposed facilities where coating has been removed <b>-1620 mV measure during test lead repair on 7/28/16</b>	X			
76.	480-93-110(2)	Remedial action taken within 90 days (Up to 30 additional days if other circumstances. Must document) <b>No low reads found</b>	X			
77.	480-93-110(3)	CP Test Equipment and Instruments checked for Accuracy/Intervals (Mfct Rec or Opr Sched) <b>Authorization to Work form is completed prior to performing CP tests, form has questions verifying calibration</b>	X			
78.	480-93-110(5)	Casings inspected/tested annually not to exceed fifteen months <b>Performed during annual CP surveys</b>	X			
79.	480-93-110(5)(a)	Casings w/no test leads installed prior to 9/05/1992. Demonstrate other acceptable test methods			X	
80.	480-93-110(5)(b)	Possible shorted conditions – Perform confirmatory follow-up inspection within 90 days			X	
81.	480-93-110(5)(c)	Casing shorts cleared when practical			X	
82.	480-93-110(5)(d)	Shorted conditions leak surveyed within 90 days of discovery. Twice annually/7.5 months			X	

**Comments:**  
 Item 79 – Ferndale has no casings without test leads  
 Items 80-82 – Ferndale has found no indications of a shorted casing

PIPELINE INSPECTION (Field)			S	U	N/A	N/C
83.	480-93-015(1)	Odorization levels <b>See Form R</b>	X			
84.	480-93-115(2)	Casings – Test Leads (Casings w/o vents installed after 9/05/1992) <b>See Form R</b>	X			

**Comments:**

EXIT INTERVIEW	
Exit Interview Conducted? Yes Items Covered: We discussed that there were no findings, that everything seems to be in order and field staff seem to be knowledgeable in their work areas.	Date: 08/16/2018

**Recent Gas Pipeline Safety Advisory Bulletins: (Last 2 years)**

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<u>Number</u>	<u>Date</u>	<u>Subject</u>
ADB-2013-07	July 12, 13	Potential for Damage to Pipeline Facilities Caused by Flooding
ADB-2012-10	Dec 5, 12	Using Meaningful Metrics in Conducting Integrity Management Program Evaluations
ADB-2012-09	Oct 11, 12	Communication During Emergency Situations
ADB-2012-08	Jul 31, 12	Inspection and Protection of Pipeline Facilities After Railway Accidents
ADB-12-07	Jun 11, 12	Mechanical Fitting Failure Reports
ADB-12-06	May 7, 12	Verification of Records establishing MAOP and MOP
ADB-12-05	Mar 23, 12	Cast Iron Pipe (Supplementary Advisory Bulletin)
ADB -12-04	Mar 21, 12	Implementation of the National Registry of Pipeline and Liquefied Natural Gas Operators
ADB-12-03	Mar 6, 12	Notice to Operators of Driscopipe 8000 High Density Polyethylene Pipe of the Potential for Material Degradation
ADB-11-05	Sep 1, 11	Potential for Damage to Pipeline Facilities Caused by the Passage of Hurricanes
ADB-11-04	Jul 27, 11	Potential for damage to pipeline facilities caused by severe flooding.

For more PHMSA Advisory Bulletins, go to <http://phmsa.dot.gov/pipeline/regs/advisory-bulletin>