

Form A- Annual Review 8440

UTC Standard Annual Review Inspection Report
Intrastate Operators
FORM A: Annual Review

Inspector and Operator Information

Inspection ID	Inspection Link	Inspector - Lead	Inspector - Assist
8440	8440	David Cullom	
Operator	Unit	Records Location - City & State	
Northwest Natural	HQ	Portland, Oregon	
Inspection Start Date	Inspection Exit Interview Date	Engineer Submit Date	
09-28-2022	10-11-2022		

Inspection Summary

You must include the following in your inspection summary:

- *Inspection Scope and Summary
- *Facilities visited and Total AFOD
- * Summary of Significant Findings
- * Primary Operator contacts and/or participants

*Inspection Scope and Summary

This inspection was an annual review of program changes and submitted data.

*Facilities visited and Total AFOD

This was a remote inspection and consisted of (1) AFOD.

* Summary of Significant Findings

There were no probable violations or areas of concern.

* Primary Operator contacts and/or participants

Ryan Truair Sr. Manager of Compliance ryan.truair@nwnatural.com (503) 610-7551 (503) 708-3699
Samantha Rookstool Code Compliance Specialist samantha.rookstool@nwnatural.com (503) 610-7461 (503) 803-9032
Lisa Sherer Regulatory Contact Code Compliance Specialist lisa.sherer@nwnatural.com (503) 610-7281 (503) 522-9219

Instructions and Ratings Definitions

INSPECTION RESULTS: Annual Review

Satisfactory Responses	Satisfactory List	Number of Unanswered Questions	Unanswered List
29	1,3,4,5,6,7,8,9,10,12,13,14,15,17,18,21,23,24,26,27,28,29,30,31,32,37,39,40,	0	
Unsatisfactory Responses	Unsatisfactory List		
0			
Area of Concern Responses	Area of Concern List		
0			
Not Applicable Responses	Not Applicable List		
11	16,19,20,22,25,34,35,41,42,43,44		
Yes Responses	Yes List	No Responses	No List
2	36,38,	0	
Not Checked / Evaluated Responses	Not Checked / Evaluated List		
0			

**If an item is marked Unsat, AOC, N/A, or N/C, an explanation must be included in the "Notes" block for that question and also summarized in the " SUMMARY OF REQUIRED COMMENTS" section at the end of this inspection form.

Crew Inspection History

Click Link for Full List of Crew Inspections

Determination crew inspection Date	Inspector	Operator	Unit	Type of Work	Foreman Name	Contractor Name	Comments / Observations for Operator
09-23-2022	Anthony Dorrough	Northwest Natural	NWN - Clark County - 7912	Main Install	Darrin Kertzman	Loy Clark	Staff observed crew in the process of prepping to install new 4-inch and 2-inch PE gas main into new const. platted lot, tying into existing 4-inch PE (west) and 2-inch PE (east) (both dated 2019). On site were: Foreman/Darrin Kertzman; Fitter/Larry Boyd and Laborer/Jeff Willmont. Calibration audit: Gas Scope# 1748-309632 due 10/19/22 Electrofusion Machine# 9680827 6/13/25 100lb Torque Wrench 8/27/23 Test Gauges #641 and #640 (both) 6/28/23 PE found on truck: 2-inch 10/14/22 and 1-inch 3/16/22 PE found on site: 4-inch 3/1/22
09-14-2022	Dennis Ritter	Northwest Natural	NWN - Clark County - 7912	Valve Repair	Rusty Grable		Crew was idle as location of proposed work was to conflicted with other utilities. Waiting for engineers to approve new plan. Crew was supposed to be repairing 4" valve and installing new 8" reg outlet valve on 8".

Determination crew inspection Date	Inspector	Operator	Unit	Type of Work	Foreman Name	Contractor Name	Comments / Observations for Operator
09-14-2022	Dennis Ritter	Northwest Natural	NWN - Clark County - 7912	Main Replacement	Joe Dessimoz	Loy Clark	NWN's CP tech John Gabel called to report a PSP read of -1009 mv. Contractor apparently didn't have half cell in good location for read--too fine grained. OK Samantha Rookstool called to report that Loy Clark replaces their half cells and multimeters annually at the first of the year. As they are good for one year, this meets compliance. DER Crew on-site relocating 2" steel main. Open trench approx 3' deep. Checked welder and coating quals. Issue with low PSP read -809 mv and non calibrated equipment. Will check with NWN.
05-19-2022	Dennis Ritter	Northwest Natural	NWN - Columbia Gorge Office - 7913	New Service			Riser is installed no crew on site. Work appears completed
05-19-2022	Dennis Ritter	Northwest Natural	NWN - Columbia Gorge Office - 7913	Relocate/Abandon	Travis Davis		No issues noted
05-03-2022	Anthony Dorrough	Northwest Natural	NWN - Clark County - 7912	Main Install	Rusty Grable		Staff observed crew preparing to tie-in a previously installed 6-inch PE gas main at two locations (S 15th St) & (S 19th St) to 2-inch PE mains (2019). On site were: C2 Fitter/Zach Johnson and Fitter/John Wise. Foreman/Rusty Grable was not on site during the inspection.
05-03-2022	Anthony Dorrough	Northwest Natural	NWN - Clark County - 7912	New Service		Loy Clark	Staff observed that work had not started.
05-03-2022	Anthony Dorrough	Northwest Natural	NWN - Clark County - 7912	New Service		Loy Clark	Staff observed that work had already been completed.
03-23-2022	David Cullom	Northwest Natural	NWN - Clark County - 7912	New Service			
03-23-2022	David Cullom	Northwest Natural	NWN - Clark County - 7912		Randy Boespflug		
02-23-2022	Derek Norwood	Northwest Natural	NWN - Clark County - 7912	New Service		Loy Clark	
02-23-2022	Derek Norwood	Northwest Natural	NWN - Clark County - 7912	New Service		Loy Clark	
02-09-2022	Scott Anderson	Northwest Natural	NWN - Columbia Gorge Office - 7913	New Service	Travis Davis		
01-24-2022	Scott Anderson	Northwest Natural	NWN - Clark County - 7912	New Service		Loy Clark	
01-24-2022	Scott Anderson	Northwest Natural	NWN - Clark County - 7912	New Service		Loy Clark	
01-24-2022	Scott Anderson	Northwest Natural	NWN - Clark County - 7912	New Service		Loy Clark	
01-24-2022	Scott Anderson	Northwest Natural	NWN - Clark County - 7912	New Service		Loy Clark	
01-24-2022	Scott Anderson	Northwest Natural	NWN - Clark County - 7912	New Service		Loy Clark	
01-24-2022	Scott Anderson	Northwest Natural	NWN - Clark County - 7912	New Service		Loy Clark	
01-24-2022	Scott Anderson	Northwest Natural	NWN - Clark County - 7912	New Service		Loy Clark	
01-11-2022	David Cullom	Northwest Natural	NWN - Clark County - 7912	Main Install	Gregory Lord	Loy Clark	
12-01-2021	Anthony Dorrough	Northwest Natural	NWN - Clark County - 7912	New Service		Loy Clark	Staff observed that work had already been completed.

Determination crew inspection Date	Inspector	Operator	Unit	Type of Work	Foreman Name	Contractor Name	Comments / Observations for Operator
12-01-2021	Anthony Dorrough	Northwest Natural	NWN - Clark County - 7912	Main Install	Joe Dessimoz	Loy Clark	Staff observed crew in the process of installing new 2-inch PE into a new housing development tying into existing 2-inch PE pipeline (2020) at [4] locations and existing 4-inch PE pipeline (2020) at [1] location. On site were: Foreman/Fuser/Joe Dessimoz; Fuser/T.J. Sanchez; Operator/Shane McPoil; Laborer/Aaron Davila. Calibration audit: Gas Scope #1218-302904 due 12/11/21 Test gauge #586 7/15/22 Test gauge #6717 11/18/22 Electrofusion equipment #9691292 6/12/22 Torque wrench #0473423 11/18/22 PE found on truck: 1-inch 7/31/21 and 1/2-inch 7/27/20 PE found on reel: 2-inch 10/30/20 PE found on site: 4-inch 9/27/21
12-01-2021	Anthony Dorrough	Northwest Natural	NWN - Clark County - 7912	New Service		Loy Clark	Staff observed work had been completed.
10-20-2021	David Cullom	Northwest Natural	NWN - Columbia Gorge Office - 7913	Relocate/Abandon		Loy Clark	
10-20-2021	David Cullom	Northwest Natural	NWN - Columbia Gorge Office - 7913	Relocate/Abandon		Loy Clark	
10-20-2021	David Cullom	Northwest Natural	NWN - Columbia Gorge Office - 7913	Relocate/Abandon	Brandon Farner		
10-13-2021	Anthony Dorrough	Northwest Natural	NWN - Clark County - 7912	Main Install	Joe Dessimoz	Loy Clark	Staff observed crew in the process of installing new 4-inch PE gas main, tying into 4-inch STW main (1973) to serve new const. residential housing development. Onsite were: Foreman/Joe Dessimoz; Operator/Shane McPoil and Laborer/Aaron Davila. Calibration audit: Electrofusion machine due 6/13/22 Gas Scope #1218-302904 10/17/21 Torque Wrench #36554-4819 12/15/21 Test Gauges #564 12/15/21 #586 7/15/21 PE found on truck: 2-inch 12/21/2020 and 1-inch 10/13/21
10-13-2021	Anthony Dorrough	Northwest Natural	NWN - Clark County - 7912	New Service	Matt Hance	Loy Clark	staff observed that work had already been completed.
10-13-2021	Anthony Dorrough	Northwest Natural	NWN - Clark County - 7912	New Service	Matt Hance	Loy Clark	Staff observed crew in the process of installing new 1/2-inch PE gas service, tying into existing 2-inch PE main (2018). Onsite were: Foreman/Matt Hance; Fitter/Jeff Dohm and Operator/John Green. Calibration audit: Electrofusion Machine #9690950 due 11/15/23 Test Gauge #612 10/11/22 Torque Wrench #unknown 11/16/21 PE found on truck: 2-inch 12/14/2020; 1-inch 10/13/2020 and 1/2-inch 7/27/2020
10-06-2021	Dennis Ritter	Northwest Natural	NWN - Clark County - 7912	New Service		Loy Clark	No issues noted
10-06-2021	Dennis Ritter	Northwest Natural	NWN - Clark County - 7912	New Service	Lance Ebert	Loy Clark	No issues noted
10-06-2021	Dennis Ritter	Northwest Natural	NWN - Clark County - 7912			Loy Clark	No issues noted
10-06-2021	Dennis Ritter	Northwest Natural	NWN - Clark County - 7912	New Service	Randy Bloespflug		No issues noted
08-20-2021	Anthony Dorrough	Northwest Natural	NWN - Columbia Gorge Office - 7913	Main Extension	David Lee	Loy Clark	Staff observed crew in the process of installing a new 8-inch PE main, after tying into a 4-inch Steel main. Also on site: General Foreman/Eric stocking; Operator and Foreman/David Lee; Fuser/Nick Allmaras; Fuser/Austin Arce; Operator/Dale Frostad and NWN Site Inspector/Aaron Hughes.
08-04-2021	Dennis Ritter	Northwest Natural	NWN - Columbia Gorge Office - 7913	Main Extension	David Lee	Loy Clark	No issues noted. This job will continue through August/September. Approx 8000 ft of 8" .
07-22-2021	Dennis Ritter	Northwest Natural	NWN - Clark County - 7912	New Service	Charles White		No issues noted
06-25-2021	David Cullom	Northwest Natural	NWN - Clark County - 7912	Other			
06-25-2021	David Cullom	Northwest Natural	NWN - Clark County - 7912			Loy Clark	
06-25-2021	David Cullom	Northwest Natural	NWN - Clark County - 7912	New Service		Loy Clark	

Determination crew inspection Date	Inspector	Operator	Unit	Type of Work	Foreman Name	Contractor Name	Comments / Observations for Operator
06-25-2021	David Cullom	Northwest Natural	NWN - Clark County - 7912	New Service		Loy Clark	
06-16-2021	Derek Norwood	Northwest Natural	NWN - Clark County - 7912	Leak Repair	Rusty Grable		
06-16-2021	Derek Norwood	Northwest Natural	NWN - Clark County - 7912	New Service		Loy Clark	
05-12-2021	David Cullom	Northwest Natural	NWN - Clark County - 7912	New Service	Lance Ebert	Loy Clark	
05-12-2021	David Cullom	Northwest Natural	NWN - Clark County - 7912	New Service		Loy Clark	
05-10-2021	Dennis Ritter	Northwest Natural	NWN - Clark County - 7912	New Service	Charles White		Will follow up with Sam on meter move. 5/14/21--Received documentation from NWN that the meter was moved out of covered garage. See attached photos.
05-10-2021	Dennis Ritter	Northwest Natural	NWN - Clark County - 7912			Loy Clark	No issues noted
04-02-2021	Anthony Dorrough	Northwest Natural	NWN - Clark County - 7912	Other	Randy Bloespflug		Staff observed crew relocating a 1-inch ST pipeline (1970-1982) to clear for man-hole placement. Also on site was Helper/Mitch Stemmerman.
04-02-2021	Anthony Dorrough	Northwest Natural	NWN - Clark County - 7912	Other	Rusty Grable		Staff observed crew in the process of relocating a 4-inch PE main (1991), tying into the existing main at two locations to clear for installation of a box culvert.
04-02-2021	Anthony Dorrough	Northwest Natural	NWN - Clark County - 7912	New Service		Loy Clark	Staff observed that the work had already been completed.
03-10-2021	Dennis Ritter	Northwest Natural	NWN - Clark County - 7912	Service Repair	Randy Boespflug		No issues noted
03-10-2021	Dennis Ritter	Northwest Natural	NWN - Clark County - 7912	New Service		Loy Clark	None
03-10-2021	Dennis Ritter	Northwest Natural	NWN - Clark County - 7912	Main Install		Loy Clark	None
03-10-2021	Dennis Ritter	Northwest Natural	NWN - Clark County - 7912	New Service		Loy Clark	None
03-10-2021	Dennis Ritter	Northwest Natural	NWN - Clark County - 7912	New Service			No work started
02-24-2021	Scott Anderson	Northwest Natural	NWN - Clark County - 7912	Main Install		Loy Clark	
02-24-2021	Scott Anderson	Northwest Natural	NWN - Clark County - 7912	New Service		Loy Clark	
02-24-2021	Scott Anderson	Northwest Natural	NWN - Clark County - 7912	New Service		Loy Clark	
01-29-2021	Anthony Dorrough	Northwest Natural	NWN - Clark County - 7912	Relocate/Abandon	Rusty Grable		Staff observed crew in the process of relocating a meter set inside to an outside set, tying into an existing 3/4-inch STW service (1962). 1-inch PE service was installed to the new meter location. Also on site Operator/ Trent Thompson and Fitter/Ryan Kitterman.
01-29-2021	Anthony Dorrough	Northwest Natural	NWN - Clark County - 7912	New Service			
01-29-2021	Anthony Dorrough	Northwest Natural	NWN - Clark County - 7912	New Service		Loy Clark	
11-12-2020	Derek Norwood	Northwest Natural	NWN - Clark County - 7912	Main Extension	Nathan Bonnell	Loy Clark	

Determination crew inspection Date	Inspector	Operator	Unit	Type of Work	Foreman Name	Contractor Name	Comments / Observations for Operator
11-12-2020	Derek Norwood	Northwest Natural	NWN - Clark County - 7912	New Service		Loy Clark	
10-29-2020	Scott Anderson	Northwest Natural	NWN - Columbia Gorge Office - 7913	New Service	Charles White		
10-29-2020	Scott Anderson	Northwest Natural	NWN - Columbia Gorge Office - 7913	Main Install			
10-21-2020	Derek Norwood	Northwest Natural	NWN - Clark County - 7912	New Service	Rusty Grable		
10-21-2020	Derek Norwood	Northwest Natural	NWN - Clark County - 7912	New Service		Loy Clark	
10-13-2020	Dennis Ritter	Northwest Natural	NWN - Clark County - 7912	Main Extension	Rusty Grable		No issues noted other than another UTC inspector was here yesterday!
10-13-2020	Dennis Ritter	Northwest Natural	NWN - Clark County - 7912	Main Extension	Randy Boespflug		No issues noted
10-12-2020	Anthony Dorrough	Northwest Natural	NWN - Clark County - 7912	Other			Staff could not get to work site due to private gated community access.
10-12-2020	Anthony Dorrough	Northwest Natural	NWN - Clark County - 7912	Other	Rusty Grable		Staff observed crew in the process of installing new 2-inch PE to reinforce a pipeline system. Calibration Audit: Gas Scope# 58424 11/11/2020 Gauges 12/19/2020 Multimeter #??? 3/10/21 Halfcell #HCC0420 3/10/21 PE found on truck: 2-inch 5/16/19 Also on site: Fitter/Ryan Kitterman and C1/Zach Johnson
09-09-2020	Derek Norwood	Northwest Natural	NWN - Clark County - 7912	Main Extension	David Lee	Loy Clark	
08-25-2020	Darren Tinnerstet	Northwest Natural	NWN - Clark County - 7912	Main Extension	Joe Dessimoz	Loy Clark	
06-26-2020	Anthony Dorrough	Northwest Natural	NWN - Clark County - 7912	Relocate/Abandon	Charles White		Staff observed crew in the process of relocating a 3/4-inch ST gas service, tying into an existing 2-inch St main. Also on site: C1/Lamont Wilkins, C3/Joe Reynsa, and Service Technician/Mike Newton.
06-26-2020	Anthony Dorrough	Northwest Natural	NWN - Clark County - 7912	New Service			Staff observed that installation of new service and MSA had already been completed at this location, crew was not on site.
06-26-2020	Anthony Dorrough	Northwest Natural	NWN - Clark County - 7912	New Service	Joshua Hatcher	Loy Clark	Staff observed crew in the process of installing new 1-inch service to new const. home. Also on site: Operator/Garland Rogers and Operator/Shawn Dewey.
06-18-2020	Scott Anderson	Northwest Natural	NWN - Clark County - 7912	New Service		Loy Clark	
06-18-2020	Scott Anderson	Northwest Natural	NWN - Clark County - 7912	New Service		Loy Clark	
06-18-2020	Scott Anderson	Northwest Natural	NWN - Clark County - 7912	New Service		Loy Clark	
06-18-2020	Scott Anderson	Northwest Natural	NWN - Clark County - 7912	New Service		Loy Clark	
06-18-2020	Scott Anderson	Northwest Natural	NWN - Clark County - 7912	New Service		Loy Clark	
06-18-2020	Scott Anderson	Northwest Natural	NWN - Clark County - 7912	New Service		Loy Clark	
05-28-2020	David Cullom	Northwest Natural	NWN - Clark County - 7912	New Service		Loy Clark	Please ensure that your daily job reports are accurate.

Determination crew inspection Date	Inspector	Operator	Unit	Type of Work	Foreman Name	Contractor Name	Comments / Observations for Operator
05-28-2020	David Cullom	Northwest Natural	NWN - Clark County - 7912	New Service		Loy Clark	
05-04-2020	Darren Tinnerstet	Northwest Natural	NWN - Columbia Gorge Office - 7913	Relocate/Abandon	Armando Quintero		
05-04-2020	Darren Tinnerstet	Northwest Natural	NWN - Clark County - 7912	Relocate/Abandon	Rusty Grable		
04-01-2020	David Cullom	Northwest Natural	NWN - Clark County - 7912	Valve Repair	Paul Nannini		Great crew. Good attention to detail.
03-26-2020	Anthony Dorrough	Northwest Natural	NWN - Clark County - 7912	Main Replacement	Paul Nannini		Staff observed crew in the process of welding up pieces of steel main to install for a relocation. Work was started 6 days previous. Also on site were: Nate Dobson/Welder; Tim Snair/laborer and Erik McGarrity/C2.
03-26-2020	Anthony Dorrough	Northwest Natural	NWN - Clark County - 7912	Other			Staff observed crew as they were completing work pot-holing over sections of 2-inch steel gas main in preparation for a future main relocation project.
03-10-2020	Derek Norwood	Northwest Natural	NWN - Clark County - 7912	Other	Randy Boespflug		
03-10-2020	Derek Norwood	Northwest Natural	NWN - Clark County - 7912	New Service		Loy Clark	
03-04-2020	Scott Anderson	Northwest Natural	NWN - Clark County - 7912	Main Install	Darren	Loy Clark	
03-04-2020	Scott Anderson	Northwest Natural	NWN - Clark County - 7912	New Service		Loy Clark	
03-04-2020	Scott Anderson	Northwest Natural	NWN - Clark County - 7912	New Service		Loy Clark	
03-04-2020	Scott Anderson	Northwest Natural	NWN - Clark County - 7912	New Service		Loy Clark	
03-04-2020	Scott Anderson	Northwest Natural	NWN - Clark County - 7912	New Service		Loy Clark	
03-04-2020	Scott Anderson	Northwest Natural	NWN - Clark County - 7912	New Service		Loy Clark	
02-25-2020	Lex Vinsel	Northwest Natural	NWN - Clark County - 7912	Main Replacement	Rusty Grable		Contacted Samantha Rookstool at NWN for coating procedures for work performed fri 21Feb20
02-24-2020	Lex Vinsel	Northwest Natural	NWN - Clark County - 7912	Main Repair	Rusty Grable		25Feb20 - NWN Samantha Rookshield returned call. One of their 'Standby' folks discovered two softball sized coating damage while observing an excavation near their High Pressure line. Requested the procedures for Coating Damage. Requested and will review procedure for Coating Damage. end lev 24Feb20 - Contacted Samantha Rookshield at NWN (503)750-7264 ext. 4366 regarding the crew list for Friday 21Feb20 truck #4640 with Work Description listed as DAMAGES-MAIN.
02-12-2020	Derek Norwood	Northwest Natural	NWN - Clark County - 7912	New Service	Ken Schwanz	Loy Clark	
02-12-2020	Derek Norwood	Northwest Natural	NWN - Clark County - 7912	New Service			
02-12-2020	Derek Norwood	Northwest Natural	NWN - Clark County - 7912	New Service			
02-07-2020	David Cullom	Northwest Natural	NWN - Clark County - 7912		James Barrett	Loy Clark	
02-07-2020	David Cullom	Northwest Natural	NWN - Clark County - 7912	New Service	James Barrett	Loy Clark	

Determination crew inspection Date	Inspector	Operator	Unit	Type of Work	Foreman Name	Contractor Name	Comments / Observations for Operator
02-07-2020	David Cullom	Northwest Natural	NWN - Clark County - 7912	Main Install		Loy Clark	
02-05-2020	Scott Anderson	Northwest Natural	NWN - Columbia Gorge Office - 7913	New Service			
02-04-2020	Scott Anderson	Northwest Natural	NWN - Clark County - 7912	Main Repair			
02-04-2020	Scott Anderson	Northwest Natural	NWN - Clark County - 7912			Loy Clark	
01-09-2020	Derek Norwood	Northwest Natural	NWN - Clark County - 7912	New Service		Loy Clark	
01-09-2020	Derek Norwood	Northwest Natural	NWN - Clark County - 7912	Relocate/Abandon			
01-09-2020	Derek Norwood	Northwest Natural	NWN - Clark County - 7912	Main Extension		Loy Clark	
01-09-2020	Derek Norwood	Northwest Natural	NWN - Clark County - 7912	Main Extension		Loy Clark	
01-02-2020	David Cullom	Northwest Natural	NWN - Clark County - 7912	New Service		Loy Clark	
01-02-2020	David Cullom	Northwest Natural	NWN - Clark County - 7912	New Service	James Barrett		
01-02-2020	David Cullom	Northwest Natural	NWN - Clark County - 7912				
12-31-2019	Scott Anderson	Northwest Natural	NWN - Clark County - 7912	New Service	Rob Meske		
12-31-2019	Scott Anderson	Northwest Natural	NWN - Clark County - 7912	New Service	Rusty Grable		
12-26-2019	Derek Norwood	Northwest Natural	NWN - Columbia Gorge Office - 7913	New Service	Armando Quintero		
11-18-2019	Lex Vinsel	Northwest Natural	NWN - Clark County - 7912	Main Install		Loy Clark	
11-06-2019	David Cullom	Northwest Natural	NWN - Clark County - 7912	Main Install		Loy Clark	
11-01-2019	Dennis Ritter	Northwest Natural	NWN - Columbia Gorge Office - 7913	New Service	Armando Quintero		No issues noted. SAnderson had visited crew last week in N Bonneville. Crew was done waiting on sand for bedding/backfill.
10-30-2019	Scott Anderson	Northwest Natural	NWN - Columbia Gorge Office - 7913	New Service			
10-29-2019	Scott Anderson	Northwest Natural	NWN - Columbia Gorge Office - 7913	New Service	Armando Quintero		
10-23-2019	Anthony Dorrough	Northwest Natural	NWN - Clark County - 7912	Relocate/Abandon	Rusty Grable		
10-23-2019	Anthony Dorrough	Northwest Natural	NWN - Clark County - 7912	Relocate/Abandon	Randy Bloespflug		

Determination crew inspection Date	Inspector	Operator	Unit	Type of Work	Foreman Name	Contractor Name	Comments / Observations for Operator
10-08-2019	Lex Vinsel	Northwest Natural	NWN - Clark County - 7912	New Service		Loy Clark	4801 Idaho St in Vancouver is a new school. I saw evidence of NWN crews but no actual crews.
10-03-2019	Scott Anderson	Northwest Natural	NWN - Clark County - 7912	New Service		Loy Clark	Contract crew had just finished setting a meter to a new home.
10-03-2019	Scott Anderson	Northwest Natural	NWN - Clark County - 7912	New Service	Charles White		Crew was installing a 2" PE SL to a new 4 story office building. At time of inspection fuser butt fused a piece of 2" PE to the valve then ectrofused a coupler and service tee to the 2" PE main.
10-03-2019	Scott Anderson	Northwest Natural	NWN - Clark County - 7912	New Service		Loy Clark	No crew on-site. Work appeared to be finished with a new service stub installed for a new home.
10-03-2019	Scott Anderson	Northwest Natural	NWN - Clark County - 7912	New Service	Randy Bloespflug		Crew was finishing up fusing a new 2" PE SL for a new auditorium. Crew installed about 350' of PE SL for the service.
09-30-2019	Scott Anderson	Northwest Natural	NWN - Columbia Gorge Office - 7913	New Service			Crew was finished plate compacting the bellhole upon arrival. Work appeared to be a new service.
09-30-2019	Scott Anderson	Northwest Natural	NWN - Columbia Gorge Office - 7913	New Service			Crew not on-site, no work started. Appeared to be a new service install due to the listed address being residential.
09-30-2019	Scott Anderson	Northwest Natural	NWN - Clark County - 7912	Main Install			Could not gain access to crew due to the given address being in a private gated community.
09-30-2019	Scott Anderson	Northwest Natural	NWN - Clark County - 7912	New Service		Loy Clark	Crew was not on-site. Work was finished with a new MSA installed at a new home.
09-26-2019	Scott Anderson	Northwest Natural	NWN - Clark County - 7912	Main Extension	Charles White		Crew was finishing up tying over a new 2" PE bypass in an apartment complex. A shed was to be built where the existing 2" PE was.
09-19-2019	David Cullom	Northwest Natural	NWN - Clark County - 7912	New Service		Loy Clark	
09-19-2019	David Cullom	Northwest Natural	NWN - Clark County - 7912			Loy Clark	
09-18-2019	Derek Norwood	Northwest Natural	NWN - Clark County - 7912	New Service		Loy Clark	
09-11-2019	Lex Vinsel	Northwest Natural	NWN - Columbia Gorge Office - 7913	New Service			
09-06-2019	Lex Vinsel	Northwest Natural	NWN - Clark County - 7912	Main Extension		Loy Clark	
08-29-2019	Scott Anderson	Northwest Natural	NWN - Clark County - 7912	New Service	Rob Meske		No OQ was being performed during inspection. Crew was finishing up for the day after finding the existing 1" steel SL. The crew will be abandoning in place the existing SL and installing a new 3/4" PE SL via hole hog.
08-26-2019	Scott Anderson	Northwest Natural	NWN - Clark County - 7912	New Service		Loy Clark	No crew was on-site, it appeared the services had already been installed
08-23-2019	David Cullom	Northwest Natural	NWN - Clark County - 7912	New Service	Joe Dessimoz	Loy Clark	
08-23-2019	Lex Vinsel	Northwest Natural	NWN - Clark County - 7912	New Service			
08-13-2019	David Cullom	Northwest Natural	NWN - Clark County - 7912	Other	Randy Bloespflug		
06-13-2019	David Cullom	Northwest Natural	NWN - Clark County - 7912	Main Extension	Randy Bloespflug		
06-11-2019	Darren Tinnerstet	Northwest Natural	NWN - Clark County - 7912				

Determination crew inspection Date	Inspector	Operator	Unit	Type of Work	Foreman Name	Contractor Name	Comments / Observations for Operator
05-17-2019	Lex Vinsel	Northwest Natural	NWN - Clark County - 7912	New Service		Loy Clark	
05-09-2019	David Cullom	Northwest Natural	NWN - Clark County - 7912	New Service		Loy Clark	
05-09-2019	David Cullom	Northwest Natural	NWN - Clark County - 7912	New Service		Loy Clark	
05-09-2019	David Cullom	Northwest Natural	NWN - Clark County - 7912	New Service		Loy Clark	
05-09-2019	David Cullom	Northwest Natural	NWN - Clark County - 7912	Main Extension			
04-25-2019	Dennis Ritter	Northwest Natural	NWN - Clark County - 7912	Main Install			No crew on site
04-25-2019	Dennis Ritter	Northwest Natural	NWN - Clark County - 7912	Main Install		Loy Clark	None
04-16-2019	Dennis Ritter	Northwest Natural	NWN - Clark County - 7912	Valve Repair	Rusty Grable		No issues noted
04-16-2019	Dennis Ritter	Northwest Natural	NWN - Clark County - 7912	New Service			
04-16-2019	Dennis Ritter	Northwest Natural	NWN - Clark County - 7912	New Service	Charles White		
04-16-2019	Dennis Ritter	Northwest Natural	NWN - Clark County - 7912	New Service	Charles White		
04-03-2019	Derek Norwood	Northwest Natural	NWN - Clark County - 7912	Main Extension	Rusty Grable		
04-03-2019	Derek Norwood	Northwest Natural	NWN - Clark County - 7912	New Service		Loy Clark	
03-08-2019	David Cullom	Northwest Natural	NWN - Clark County - 7912	New Service	Joshua Hatcher	Loy Clark	
02-07-2019	David Cullom	Northwest Natural	NWN - Clark County - 7912	Main Install			
02-07-2019	David Cullom	Northwest Natural	NWN - Clark County - 7912				
01-31-2019	David Cullom	Northwest Natural	NWN - Clark County - 7912			Loy Clark	
01-25-2019	David Cullom	Northwest Natural	NWN - Clark County - 7912	New Service		Loy Clark	
01-25-2019	Darren Tinnerstet	Northwest Natural	NWN - Clark County - 7912	New Service		Loy Clark	
01-17-2019	Dennis Ritter	Northwest Natural	NWN - Clark County - 7912				Couldn't get in to address on crew sheet due to gate
01-17-2019	Scott Anderson	Northwest Natural	NWN - Columbia Gorge Office - 7913	New Service			
01-17-2019	Dennis Ritter	Northwest Natural	NWN - Clark County - 7912	New Service	Mike Morgan		No issues noted

Determination crew inspection Date	Inspector	Operator	Unit	Type of Work	Foreman Name	Contractor Name	Comments / Observations for Operator
01-07-2019	Dennis Ritter	Northwest Natural	NWN - Clark County - 7912	Main Install	David Lee	Loy Clark	No issues noted
01-07-2019	Derek Norwood	Northwest Natural	NWN - Clark County - 7912	Cut & Cap		Loy Clark	
12-27-2018	Derek Norwood	Northwest Natural	Northwest Nat - Clark - 7638		Randy Bloespflug		
12-27-2018	Derek Norwood	Northwest Natural	Northwest Nat - Clark - 7638			Loy Clark	
12-11-2018	David Cullom	Northwest Natural	Northwest Nat - Clark - 7638		Joe Dessimoz	Loy Clark	
12-11-2018	David Cullom	Northwest Natural	Northwest Nat - Clark - 7638			Loy Clark	
12-04-2018	Darren Tinnerstet	Northwest Natural	Northwest Nat - Col Gorge - 7639		Armando Quintero		
12-04-2018	Darren Tinnerstet	Northwest Natural	Northwest Nat - Col Gorge - 7639		Travis David		None.
11-27-2018	David Cullom	Northwest Natural	Northwest Nat - Col Gorge - 7639				
11-27-2018	David Cullom	Northwest Natural	Northwest Nat - Clark - 7638				
11-09-2018	David Cullom	Northwest Natural	Northwest Nat - Clark - 7638		Mike Morgan		
11-09-2018	David Cullom	Northwest Natural	Northwest Nat - Clark - 7638		Mike Morgan		
11-09-2018	Darren Tinnerstet	Northwest Natural	Northwest Nat - Clark - 7638				
10-31-2018	Dennis Ritter	Northwest Natural	Northwest Nat - Col Gorge - 7639			Loy Clark	No crew on site
10-31-2018	Dennis Ritter	Northwest Natural	Northwest Nat - Clark - 7638			Loy Clark	Also looked at 1418 NW Redwood Ln
10-18-2018	Dennis Ritter	Northwest Natural	Northwest Nat - Clark - 7638		Randy Bloespflug		No issues noted
10-10-2018	Scott Anderson	Northwest Natural	Northwest Nat - Col Gorge - 7639		Armando Quintero		
10-10-2018	Scott Anderson	Northwest Natural	Northwest Nat - Clark - 7638				
10-10-2018	Scott Anderson	Northwest Natural	Northwest Nat - Clark - 7638				
10-04-2018	David Cullom	Northwest Natural	Northwest Nat - Col Gorge - 7639		Armando Quintero		
10-03-2018	Scott Anderson	Northwest Natural	Northwest Nat - Clark - 7638			Loy Clark	
09-14-2018	David Cullom	Northwest Natural	Northwest Nat - Clark - 7638			Loy Clark	No crew on site
09-05-2018	Dennis Ritter	Northwest Natural	Northwest Nat - Clark - 7638		Rusty Grable		No issues noted
08-21-2018	Dennis Ritter	Northwest Natural	Northwest Nat - Clark - 7638		Joe Dessimoz	Loy Clark	No issues noted
08-21-2018	Dennis Ritter	Northwest Natural	Northwest Nat - Clark - 7638			Loy Clark	none as no crew onsite
08-21-2018	Dennis Ritter	Northwest Natural	Northwest Nat - Clark - 7638			Loy Clark	None as no crew on site

Determination crew inspection Date	Inspector	Operator	Unit	Type of Work	Foreman Name	Contractor Name	Comments / Observations for Operator
08-15-2018	David Cullom	Northwest Natural	Northwest Nat - Clark - 7638			Loy Clark	None
07-18-2018	Dennis Ritter	Northwest Natural	Northwest Nat - Clark - 7638		Rob Meske		No issues noted
07-18-2018	Dennis Ritter	Northwest Natural	Northwest Nat - Clark - 7638				Could not locate address-cross streets if new plat?
06-27-2018	Scott Anderson	Northwest Natural	Northwest Nat - Col Gorge - 7639				
05-25-2018	Anthony Dorough	Northwest Natural	Northwest Nat - Clark - 7638		Rusty Grable		
05-17-2018	Dennis Ritter	Northwest Natural	Northwest Nat - Clark - 7638		Nick Allmaras	Loy Clark	No issues noted
05-17-2018	Dennis Ritter	Northwest Natural	Northwest Nat - Clark - 7638				None as work had not begun
05-17-2018	Dennis Ritter	Northwest Natural	Northwest Nat - Clark - 7638			Loy Clark	nothing noted while on site
04-27-2018	Anthony Dorough	Northwest Natural	Northwest Nat - Clark - 7638		Mike Morgan		
04-13-2018	Anthony Dorough	Northwest Natural	Northwest Nat - Clark - 7638				
04-13-2018	Anthony Dorough	Northwest Natural	Northwest Nat - Clark - 7638				
03-21-2018	Scott Anderson	Northwest Natural	Northwest Nat - Col Gorge - 7639		Dave Holliman		
03-01-2018	David Cullom	Northwest Natural	Northwest Nat - Clark - 7638			Loy Clark	None
01-26-2018	Lex Vinsel	Northwest Natural	Northwest Nat - Clark - 7638		Rusty Grable		No Operator Compliance Representative at this time.
01-12-2018	Derek Norwood	Northwest Natural	Northwest Nat - Clark - 7638		Kevin Overton	Loy Clark	
01-12-2018	Derek Norwood	Northwest Natural	Northwest Nat - Clark - 7638			Loy Clark	
01-11-2018	Scott Anderson	Northwest Natural	Northwest Nat - Col Gorge - 7639				
01-05-2018	Dennis Ritter	Northwest Natural	Northwest Nat - Clark - 7638				Could not locate address on crew sheet
01-05-2018	Dennis Ritter	Northwest Natural	Northwest Nat - Clark - 7638				Crew not at address given on crew sheet.
01-05-2018	Dennis Ritter	Northwest Natural	Northwest Nat - Clark - 7638				
12-04-2017	Dennis Ritter	Northwest Natural	Northwest Nat - Clark - 7397			Loy Clark	Service location was good, service was plumb and trench backfilled.
11-27-2017	David Cullom	Northwest Natural	Northwest Nat - Clark - 7397		Ken Schwanz	Loy Clark	None
11-27-2017	David Cullom	Northwest Natural	Northwest Nat - Clark - 7397		Rusty Grable		Another good crew. All had FR on.
11-27-2017	David Cullom	Northwest Natural	Northwest Nat - Clark - 7397				None
11-16-2017	Derek Norwood	Northwest Natural	Northwest Nat - Clark - 7397			Loy Clark	
11-08-2017	Dennis Ritter	Northwest Natural	Northwest Nat - Clark - 7397				
11-08-2017	Dennis Ritter	Northwest Natural	Northwest Nat - Clark - 7397				

Determination crew inspection Date	Inspector	Operator	Unit	Type of Work	Foreman Name	Contractor Name	Comments / Observations for Operator
10-27-2017	Anthony Dorrough	Northwest Natural	Northwest Nat - Clark - 7397			Loy Clark	
10-26-2017	Anthony Dorrough	Northwest Natural	Northwest Nat - Clark - 7397		Rob Meske		
10-26-2017	Anthony Dorrough	Northwest Natural	Northwest Nat - Clark - 7397		Rusty Grable		
10-26-2017	Anthony Dorrough	Northwest Natural	Northwest Nat - Clark - 7397		Rusty Grable		
10-10-2017	Scott Anderson	Northwest Natural	Northwest Nat - Col Gorge - 7398				
10-10-2017	Scott Anderson	Northwest Natural	Northwest Nat - Col Gorge - 7398				
10-06-2017	Derek Norwood	Northwest Natural	Northwest Nat - Clark - 7397		Miles Broderson		
09-27-2017	Anthony Dorrough	Northwest Natural	Northwest Nat - Clark - 7397				
09-27-2017	Anthony Dorrough	Northwest Natural	Northwest Nat - Clark - 7397				
09-20-2017	David Cullom	Northwest Natural	Northwest Nat - Clark - 7397			Loy Clark	
09-20-2017	David Cullom	Northwest Natural	Northwest Nat - Clark - 7397			Loy Clark	None
09-19-2017	David Cullom	Northwest Natural	Northwest Nat - Clark - 7397				
09-19-2017	David Cullom	Northwest Natural	Northwest Nat - Clark - 7397				
07-25-2017	David Cullom	Northwest Natural	Northwest Nat - Clark - 7397		Lance Ebert	Loy Clark	Lance and Al are nice to visit
07-25-2017	David Cullom	Northwest Natural	Northwest Nat - Clark - 7397				None no contact with operator - only talked to GC flagger.
07-19-2017	Derek Norwood	Northwest Natural	Northwest Nat - Clark - 7397			Loy Clark	
07-19-2017	Derek Norwood	Northwest Natural	Northwest Nat - Clark - 7397			Loy Clark	
07-06-2017	Derek Norwood	Northwest Natural	Northwest Nat - Clark - 7397		Ken Schwanz	Loy Clark	
07-06-2017	Derek Norwood	Northwest Natural	Northwest Nat - Clark - 7397		Rob Meske		
06-08-2017	Dennis Ritter	Northwest Natural	Northwest Nat - Clark - 7397		Scott McConnachie		8-inch reinforcement project. Reviewed all weld records, welder certs and NDT certs. Weld Procedure (WPS-WPA-131 Rev 3) was revised May 2017. Allowed wider range of amps and voltages due to using two welders at same time--8-inch pipe heated up with two welders. Procedure was requalified to allow lower current and voltage. Only one weld rejected XR-116. Repaired and passed. On site OQ records for NDT tech were out of date. Home office (Oregon Washington Laboratories) sent updated OQs. No issues noted.
06-01-2017	Scott Anderson	Northwest Natural	Northwest Nat - Clark - 7397		Rob Meske		
06-01-2017	Scott Anderson	Northwest Natural	Northwest Nat - Clark - 7397				
06-01-2017	Scott Anderson	Northwest Natural	Northwest Nat - Clark - 7397			Loy Clark	
05-11-2017	Scott Anderson	Northwest Natural	Northwest Nat - Clark - 7397		Scott McConnachie		
05-10-2017	Scott Anderson	Northwest Natural	Northwest Nat - Clark - 7397				
05-10-2017	Scott Anderson	Northwest Natural	Northwest Nat - Clark - 7397				
04-20-2017	Dennis Ritter	Northwest Natural	Northwest Nat - Clark - 7397		Rob Meske		

Determination crew inspection Date	Inspector	Operator	Unit	Type of Work	Foreman Name	Contractor Name	Comments / Observations for Operator
04-20-2017	Dennis Ritter	Northwest Natural	Northwest Nat - Clark - 7397				
04-20-2017	Dennis Ritter	Northwest Natural	Northwest Nat - Clark - 7397			Loy Clark	
03-29-2017	David Cullom	Northwest Natural	Northwest Nat - Clark - 7397		Darryl Watkins		
03-29-2017	David Cullom	Northwest Natural	Northwest Nat - Clark - 7397		Darryl Watkins		
03-29-2017	David Cullom	Northwest Natural	Northwest Nat - Clark - 7397		Darryl Watkins		
03-29-2017	David Cullom	Northwest Natural	Northwest Nat - Clark - 7397				
03-29-2017	David Cullom	Northwest Natural	Northwest Nat - Clark - 7397				
03-10-2017	Derek Norwood	Northwest Natural	Northwest Nat - Clark - 7397		Mike Morgan		
03-10-2017	Derek Norwood	Northwest Natural	Northwest Nat - Clark - 7397			Loy Clark	
01-20-2017	Derek Norwood	Northwest Natural	Northwest Nat - Clark - 7397		Lance Ebert		

Facility Inspection History

[Link for Full List of Facility Inspections](#)

Date	Inspection ID	Form A Operator Name	Other Company	Inspector	Type of Inspection	Do you have inspection pictures or file attachments?
08-24-2022	7912	Northwest Natural		David Cullom	Facility	Yes
08-24-2022	7912	Northwest Natural		David Cullom	Facility	Yes
08-24-2022	7912	Northwest Natural		David Cullom	Facility	Yes
08-24-2022	7912	Northwest Natural		David Cullom	Facility	Yes
08-24-2022	7912	Northwest Natural		David Cullom	Facility	Yes
08-09-2022	7912	Northwest Natural		Scott Anderson	Facility	
08-09-2022	7913	Northwest Natural		Scott Anderson	Facility	
07-18-2022	7912	Northwest Natural		Scott Anderson	Facility	
07-13-2022	7912	Northwest Natural		Scott Anderson	Facility	
06-06-2022	7912	Northwest Natural		Derek Norwood	Facility	Yes
06-06-2022	7912	Northwest Natural		Derek Norwood	Facility	Yes
04-21-2022	7912	Northwest Natural		Derek Norwood	Facility	Yes
04-21-2022	7912	Northwest Natural		Derek Norwood	Facility	Yes
03-28-2022	7912	Northwest Natural		Darren Tinnerstet	Facility	Yes
03-28-2022	7912	Northwest Natural		Darren Tinnerstet	Facility	Yes
03-28-2022	7912	Northwest Natural		Darren Tinnerstet	Facility	Yes
03-02-2022	7912	Northwest Natural		David Cullom	Facility	
03-02-2022	7912	Northwest Natural		Darren Tinnerstet	Facility	Yes
03-02-2022	7912	Northwest Natural		Darren Tinnerstet	Facility	Yes
03-02-2022	7912	Northwest Natural		Darren Tinnerstet	Facility	Yes
03-02-2022	7912	Northwest Natural		Darren Tinnerstet	Facility	Yes
02-16-2022	7912	Northwest Natural		David Cullom	Facility	Yes
02-16-2022	7912	Northwest Natural		David Cullom	Facility	Yes
02-16-2022	7912	Northwest Natural		David Cullom	Facility	Yes
02-16-2022	7912	Northwest Natural		David Cullom	Facility	Yes
02-16-2022	7912	Northwest Natural		David Cullom	Facility	Yes
12-08-2021	7913	Northwest Natural		Derek Norwood	Facility	
12-08-2021	7913	Northwest Natural		Derek Norwood	Facility	Yes
11-03-2021	7912	Northwest Natural		Derek Norwood	Facility	Yes
11-03-2021	7912	Northwest Natural		Derek Norwood	Facility	Yes
09-30-2021	7912	Northwest Natural		David Cullom	Facility	Yes

Date	Inspection ID	Form A Operator Name	Other Company	Inspector	Type of Inspection	Do you have inspection pictures or file attachments?
09-30-2021	7912	Northwest Natural		David Cullom	Facility	Yes
09-30-2021	7912	Northwest Natural		David Cullom	Facility	Yes
09-30-2021	7912	Northwest Natural		David Cullom	Facility	Yes
09-30-2021	7912	Northwest Natural		David Cullom	Facility	Yes
09-22-2021	7912	Northwest Natural		Darren Tinnerstet	Facility	
09-22-2021	7912	Northwest Natural		Darren Tinnerstet	Facility	Yes
08-05-2021	7912	Northwest Natural		Derek Norwood	Facility	Yes
08-05-2021	7912	Northwest Natural		Derek Norwood	Facility	Yes
07-29-2021	7913	Northwest Natural		Scott Anderson	Facility	
05-12-2021	7912	Northwest Natural		Darren Tinnerstet	Facility	Yes
05-12-2021	7912	Northwest Natural		Darren Tinnerstet	Facility	Yes
05-12-2021	7912	Northwest Natural		Darren Tinnerstet	Facility	Yes
03-18-2021	7912	Northwest Natural		Darren Tinnerstet	Facility	Yes
03-18-2021	7912	Northwest Natural		Darren Tinnerstet	Facility	Yes
03-18-2021	7912	Northwest Natural		Darren Tinnerstet	Facility	Yes
03-18-2021	7912	Northwest Natural		Darren Tinnerstet	Facility	Yes
02-24-2021	7912	Northwest Natural		David Cullom	Pre-Field	Yes
02-17-2021	7912	Northwest Natural		Derek Norwood	Facility	Yes
02-17-2021	7912	Northwest Natural		Derek Norwood	Facility	Yes
02-17-2021	7912	Northwest Natural		Derek Norwood	Facility	Yes
01-21-2021	7912	Northwest Natural		David Cullom	Pre-Field	No
12-14-2020	7912	Northwest Natural		Derek Norwood	Facility	
12-14-2020	7912	Northwest Natural		Derek Norwood	Facility	Yes
12-14-2020	7912	Northwest Natural		Derek Norwood	Facility	Yes
11-30-2020	7912	Northwest Natural		David Cullom	Pre-Field	No
11-04-2020	7912	Northwest Natural		Darren Tinnerstet	Facility	Yes
11-04-2020	7912	Northwest Natural		Darren Tinnerstet	Facility	Yes
11-04-2020	7912	Northwest Natural		Darren Tinnerstet	Facility	Yes
10-19-2020	7912	Northwest Natural		David Cullom	Facility	Yes
10-19-2020	7912	Northwest Natural		David Cullom	Facility	No
10-19-2020	7912	Northwest Natural		David Cullom	Facility	No
10-19-2020	7912	Northwest Natural		David Cullom	Facility	Yes
10-19-2020	7912	Northwest Natural		David Cullom	Facility	No
10-19-2020	7912	Northwest Natural		David Cullom	Facility	Yes
10-19-2020	7912	Northwest Natural		David Cullom	Facility	Yes
10-19-2020	7912	Northwest Natural		David Cullom	Facility	Yes
10-19-2020	7912	Northwest Natural		David Cullom	Facility	
08-20-2020	7912	Northwest Natural		Scott Anderson	Facility	
08-12-2020	7913	Northwest Natural		Scott Rukke	Facility	Yes
06-08-2020	7912	Northwest Natural		Derek Norwood	Facility	Yes
06-08-2020	7912	Northwest Natural		Derek Norwood	Facility	Yes
05-28-2020	7912	Northwest Natural		Darren Tinnerstet	Facility	Yes
05-28-2020	7912	Northwest Natural		Darren Tinnerstet	Facility	Yes
05-26-2020	7912	Northwest Natural		Darren Tinnerstet	Facility	Yes
05-26-2020	7912	Northwest Natural		Darren Tinnerstet	Facility	Yes
05-26-2020	7912	Northwest Natural		Darren Tinnerstet	Facility	Yes

 Scheduled Inspection History

Annual Review Inspection History

Year of Inspection	Facility - Operator	Unit Name	Inspection ID	Inspection Type	Inspection Status	Closed Date	Next Inspection Interval	SHAREPOINT
Northwest Natural (39 Inspection records)								
2021	Northwest Natural	NWN- Clark	8280	Standard Comprehensive - GD	Complete	06-16-2021	03-23-2024	Documents
2021	Northwest Natural	NWN- HQ	8281	OM PPR GAS - Operations & Maintenance, Plans & Procedures Review	Complete	02-22-2021	02-04-2025	Documents
2021	Northwest Natural	NWN- HQ	8282	PA - Public Awareness	Complete	04-26-2021	04-15-2025	Documents

Year of Inspection	Facility - Operator	Unit Name	Inspection ID	Inspection Type	Inspection Status	Closed Date	Next Inspection Interval	SHAREPOINT
2021	Northwest Natural	NWN-Transmission	8283	TIMP - Gas Transmission Integrity Management	Complete	11-02-2021	10-22-2024	Documents
2021	Northwest Natural	NWN- HQ	8284	CRM - GAS	Complete	05-26-2021	03-23-2025	Documents
2021	Northwest Natural	NWN- HQ	8285	Pipe Replacement Plan	Complete	08-26-2021	07-15-2023	Documents
2021	Northwest Natural	NWN- HQ	8286	Standard - Annual Review	Complete	06-15-2021	06-09-2022	Documents
2021	Northwest Natural	NWN- Mobile LNG	8287	LNG	Complete	09-23-2021	09-20-2023	Documents
2020	Northwest Natural	NWN- Columbia Gorge	8056	Standard Comprehensive - GD	Complete	08-24-2020	08-17-2023	Documents
2020	Northwest Natural	NWN-Transmission	8057	Standard Comprehensive - GT	Complete	04-21-2020	04-16-2023	Documents
2020	Northwest Natural	NWN- HQ	8058	DIMP - Gas Distribution Integrity Management	Complete	06-12-2020	06-05-2023	Documents
2020	Northwest Natural	NWN- HQ	8059	Standard - Annual Review	Complete	05-14-2020	05-07-2021	Documents
2019	Northwest Natural	NWN- HQ	7814	OQ - Operator Qualification	Complete	04-01-2019	03-13-2023	Documents
2019	Northwest Natural	NWN- HQ	7815	DA - Drug & Alcohol	Complete	04-01-2019	03-13-2023	Documents
2019	Northwest Natural	NWN- HQ	7816	Pipe Replacement Plan	Complete	09-26-2019	08-08-2021	Documents
2019	Northwest Natural	NWN- HQ	7817	Standard - Annual Review	Complete	11-19-2019	11-06-2020	Documents
2019	Northwest Natural	NWN- Mobile LNG	7805	LNG	Complete	04-24-2019	04-15-2021	Documents
2018	Northwest Natural	NWN-Transmission	7568	TIMP - Gas Transmission Integrity Management	Complete	04-20-2018	02-14-2021	Documents
2018	Northwest Natural	NWN- Clark	7580	Standard Comprehensive - GD	Complete	05-22-2018	05-04-2021	Documents
2018	Northwest Natural	NWN- Clark	7598	Damage Prevention	Complete	01-18-2018	01-18-2018	Documents
2018	Northwest Natural	NWN- Clark	7600	Damage Prevention	Complete	04-11-2018	04-10-2018	Documents
2018	Northwest Natural	NWN- Clark	7620	Damage Prevention	Complete	02-13-2018	02-13-2018	Documents
2018	Northwest Natural	NWN- Clark	7660	Damage Prevention	Complete	03-22-2018	03-21-2018	Documents
2018	Northwest Natural	NWN- Clark	7664	Damage Prevention	Complete	02-13-2018	02-13-2018	Documents
2017	Northwest Natural	NWN- HQ	7239	OM PPR GAS - Operations & Maintenance, Plans & Procedures Review	Complete	09-08-2017	08-31-2021	Documents
2017	Northwest Natural	NWN- HQ	7248	DIMP - Gas Distribution Integrity Management	Complete	11-17-2017	11-02-2020	Documents
2017	Northwest Natural	NWN- HQ	7268	PA - Public Awareness	Complete	06-01-2017	04-25-2021	Documents
2017	Northwest Natural	NWN- HQ	7455	Pipe Replacement Plan	Complete	10-26-2017		Documents
2017	Northwest Natural	NWN- Columbia Gorge	7241	Standard Comprehensive - GD	Complete	02-08-2018	10-26-2020	Documents
2017	Northwest Natural	NWN-Transmission	7240	Standard Comprehensive - GT	Complete	09-22-2017	05-11-2020	Documents
2017	Northwest Natural	NWN- Clark	7416	Compliance Investigation and Follow Up	Complete	12-14-2017	03-07-2017	Documents
2017	Northwest Natural	NWN- Clark	7588	Design, Testing & Construction - Gas	Complete	06-08-2018	11-14-2018	Documents
2016	Northwest Natural	NWN- HQ	6768	CRM - GAS	Complete	06-06-2016	04-27-2020	Documents
2016	Northwest Natural	NWN- Clark	6787	Damage Prevention	Complete	06-10-2016	05-02-2016	Documents
2016	Northwest Natural	NWN- Clark	6788	Damage Prevention	Complete	10-24-2016	05-09-2016	Documents
2016	Northwest Natural	NWN- Mobile LNG	6769	LNG	Complete	06-03-2016	04-26-2018	Documents
2015	Northwest Natural	NWN- Clark	6182	Standard Comprehensive - GD	Complete	07-01-2015	04-09-2018	Documents
2015	Northwest Natural	NWN- Clark	6662	Damage Prevention	Complete	05-02-2016	12-04-2015	Documents
2015	Northwest Natural	NWN- Clark	6665	Damage Prevention	Complete	05-26-2016	01-27-2016	Documents

GAS System Operations History

Annual Report - Miles of Main

Annual Report GAS Transmission Miles

Year	Operator	SYSTEM TOTAL Miles of Main	Miles of Service	SYSTEM TOTAL NO. of Services	Average Service Length	YEAR	Total Total Miles	e. Total tool mileage inspected in calendar year using in-line inspection tools
2021	Northwest Natural	3920.9	906.27	84,916.5	55.1	2020	3.5	0
2020	Northwest Natural	1967.9	907.01	84,165	56.9	2019	3.5	0
2019	Northwest Natural	1938.3	883.40	80,978	57.6	2018	3.5	0
2018	Northwest Natural	1899	870.88	79,417	57.9	2015	3.4	0
2017	Northwest Natural	1841.6	852.80	76,841	58.6	2016	3.4	0
2016	Northwest Natural	1798.9	836.51	74,484	59.3	2017	3.4	0
2015	Northwest Natural	1765.08	832.29	72,398	60.7	TOT	20.7	0

Annual Report - Leaks

Year	Operator	Cause of Leak Mains Total	Cause of Leak Mains Hazardous Total	Cause of Leak Services Total	Cause of Leak Services Hazardous Total	NUMBER OF KNOWN SYSTEM LEAKS AT END OF YEAR SCHEDULED FOR REPAIR
2021	Northwest Natural	35	22	53	30	2
2020	Northwest Natural	30	19	55	45	11
2019	Northwest Natural	38	33	43	37	2
2018	Northwest Natural	34	32	50	37	1
2017	Northwest Natural	29	26	59	47	2
2016	Northwest Natural	28	27	41	34	1
2015	Northwest Natural	35	29	57	45	4

Annual Report - EFV

Operator	Year	Number of EFV's Installed This Calendar Year on Single Family Residential Services:	Estimated Number of EFV's in the system at the End of The Year:	Total Number of Services with EFV Installed During Year:	Estimated Number of Services with EFV In The System At The End of The Year:	* Total Number of Manual Service Line Shut-off Valves Installed During Year:	* Estimated Number of Services with Manual Service Line Shut-off Valves Installed in the System at End of Year:
Northwest Natural	2021	2523	51,535			13	3584
Northwest Natural	2020			2522	48,758	19	3588
Northwest Natural	2019			2462	45,146	31	3602
Northwest Natural	2018			2284	43,528	22	3558
Northwest Natural	2017	2231	40,896			24	3549
Northwest Natural	2016	1743	38,471				
Northwest Natural	2015	1573	36,348				
Northwest Natural	2014	1328	34,593				
Northwest Natural	2013	1326	33,078				
Northwest Natural	2012	742	31,320				
Northwest Natural	2011	580	30,578				
Northwest Natural	2010	985	29,670				
TOT		13,031	326,489	7268	137,432	109	17,881

HL System Operations History

HL Annual Report - Miles of Pipe by Decade

YEAR	Operator	Commodity Group	Part I - Total Miles of Pipe by Decade	Unknown	Pre- 20s	1920- 1929	1930- 1939	1940- 1949	1950- 1959	1960- 1969	1970- 1979	1980- 1989
No Report records found												

HL Annual Report - HL Miles / HCAs

YEAR	Operator	Commodity Group	Total Segment Miles that Could Affect HCAs	High Population	Other Population	Drinking Water	Ecological Resource	Comm Navigable Water
No Report records found								

HL Annual Report - Breakout Tanks

YEAR	Operator	Commodity Group	Crude Oil #5	Refined (nor HVL #2)
No Report records found				

ANNUAL REPORT: ACCURACY/TRENDS

Question #1.

Was the Annual Report reviewed for accuracy and trends? If any trends were discovered, please describe.

1. Notes

1993.4 miles of main. Average service length is 55.1

1. Result

Satisfactory

Access to Complete Distribution Annual Report

Year	Operator	SYSTEM TOTAL Miles of Main	Miles of Service	SYSTEM TOTAL NO. of Services	Average Service Length
2021	Northwest Natural	3920.9	906.27	84,916.5	55.1
2020	Northwest Natural	1967.9	907.01	84,165	56.9
2019	Northwest Natural	1938.3	883.40	80,978	57.6
2018	Northwest Natural	1899	870.88	79,417	57.9
2017	Northwest Natural	1841.6	852.80	76,841	58.6
2016	Northwest Natural	1798.9	836.51	74,484	59.3
2015	Northwest Natural	1765.08	832.29	72,398	60.7

Access to Complete Transmission Annual Report

YEAR	Operator	Commodity Group	Total Total Miles
Northwest Natural (6 Report records)			
2020	Northwest Natural	Natural Gas	3.5
2019	Northwest Natural	Natural Gas	3.5
2018	Northwest Natural	Natural Gas	3.5
2015	Northwest Natural	Natural Gas	3.4
2016	Northwest Natural	Natural Gas	3.4
2017	Northwest Natural	Natural Gas	3.4

Access to Complete Hazardous Liquid Annual Report

YEAR	Operator	Commodity Group
No Report records found		

DAMAGE PREVENTION

Annual Report Damage Prevention data

Year	Operator	Number of Excavation Tickets	Total Number of Excavation Damages By Apparent Root Cause:	Locating Practices Not Sufficient:	One-Call Notification Practices Not Sufficient:	Excavation Practices Not Sufficient:	Other:	Number of Services	Total Leaks - Excavation Damage	Total Main Leaks	Miles of Service MAIN	Number of Leaks per Mile of MAIN	Total Leaks Per 1,000 Locate
2021	Northwest Natural	30,698	89	11	40	35	3	84,916.5	23	35	3920.9		0.74923447781
2020	Northwest Natural	31,069	83	14	33	35	1	84,165	44	52	1967.9		1.416202645
2019	Northwest Natural	30,492	78	9	34	33	2	80,978					
2018	Northwest Natural	29,965	97	2	45	43	7	79,417					
2017	Northwest Natural	28,290	104	15	45	39	5	76,839					
2016	Northwest Natural	26,259	75	7	38	27	3	74,482					
2015	Northwest Natural	24,885	99	7	42	8	42	72,397					

DIRT data on mismarks for prior year

Damage Cause	Number of Reports
No Report records found	

DIRT Timeliness - Prior Year Reports must be submitted within 45 days of the damage.

SubmitCompanyID - UTCfinalName	Number of Reports
No Report records found	

Question #2.

Review the following damage prevention items:

Q2. Is the damage prevention information in the annual report complete?

http://Yes

Q2.d Does the operator follow a process to evaluate the cause of "Locating practices not sufficient" category?

There is a dept that performs a root cause on every damage. They look at OQ tasks to check for locating facilities. They will look at retraining is there is an issue. 137-02 is the CT for locating facilities.

Q2.g. What is the number of damages resulting from mismarks?

11 (Locating practices not sufficient)

Q2.j. Are mapping corrections timely and according to written procedures?

Any time there is a mapping correction there is a red line process. There is time frame in procedures for mapping which is 6 months. SP 607

2. Notes

Q2.b. Is the annual report damages root cause information complete and accurate?

Yes, One call notice is practice 40 locating is practice 11, excavation is practice 35.

Q2.e. Is the operator or its contractor qualified and following procedures for locating and marking facilities?

137-02 is the CT for locating facilities. NWN uses Locating Inc.

Q2.h. What is the number of damages resulting from not locating within the time requirements?

Per the operator "This year, there have been no damages with this situation."

Q2.k. Does the operator follow a process to evaluate causes for damages listed "Excavation Practices Not Sufficient"?

They perform an investigation on any damages (Part D c) for damages

Q2.c. Does the operator h practices not sufficient" category?

They perform an investigat workflow, supervisor review

Q2.f. Is the operator appr deficiencies?

137-02 is the CT for locating

Q2.i. Is the operator appr excavation damage?

These are processed the situation.

Q2.L. Is the operator appr to address the causes of ex

The operator tracks if they damages

NPMS SUBMISSIONS/CHANGES

Question #3.

For transmission operators, has the operator submitted information to the NPMS database, along with changes made after the original submission?

3. Result

Satisfactory

3. Notes

This was submitted on Feb 22, 2022

INCIDENT/SRC/AOC REPORTS REVIEW

Question #4

Were there any federally reportable incidents during the previous year? Are there any discernable trends to these incidents?

4. Results

Satisfactory

4. Notes

None

Q4: Federally reportable incidents

NotificationID	Operator	Company	NRC #	Assigned Engineer	Date & Time of Incident	Street Address of event/incident	Incident Address: City	Closure Date	Reporting Level
No Incident Notification records found									

Question #5.

Review operator records of previous year's accidents and failures including reported third party damage and leak response. Is the operator ensuring appropriate evaluation and response as required in 192.617 (Gas) or 195.402 (HL) to determine cause of failure? Is the operator taking appropriate steps to minimize the possibility of reoccurrence?

5. Result

Satisfactory

5. Notes

SP 617 describes the ATIC In the last year, there were no samples sent out for failure analysis.

Question #6.

Review incident reports for the previous year for accuracy and identify any trends. If any trends discovered please describe. (Please see list of incident data at end of this report)

Q6: Incident Reports

NotificationID	Inspector	Company	Street Address of event/incident	Date & Time of Incident	Is 30-Day Report Received?	Reporting Level	6. Result
4067	Anthony Dorrough	Northwest Natural	406 W St	08-26-2022 05:39 PM	✓	State	Satisfactory
4059	Scott Anderson	Northwest Natural	2145 34th St.	08-13-2022 02:20 PM	✓	State	
4054	Scott Rukke	Northwest Natural	4315 S. Settler Drive	08-05-2022 10:08 AM	✓		
4046	Lex Vinsel	Northwest Natural	15302 NE 45th St	06-30-2022 06:24 PM	✓	State	
4028	Anthony Dorrough	Northwest Natural	SE Mill Plain Blvd & SE 160th Ave	06-20-2022 10:35 AM	✓	State	
4016	Derek Norwood	Northwest Natural	1208 NE 165th Ct	05-07-2022 03:10 PM	✓	State	
4004	Derek Norwood	Northwest Natural	1034 NE 6th Ave	04-11-2022 08:13 AM	✓	State	
4000	Scott Anderson	Northwest Natural	2308 E. Mill Plain Blvd	04-07-2022 09:15 AM	✓	State	
3993	Lex Vinsel	Northwest Natural	Intersection of NW Bliss Rd & NW 26th Ave	03-28-2022 01:25 PM	✓	State	
3990	Scott Anderson	Northwest Natural	16409 SE 1st St	03-14-2022 12:30 PM	✓	State	
3989	Anthony Dorrough	Northwest Natural	111 Hwy 197	02-26-2022 09:25 PM	✓	State	
3984	Derek Norwood	Northwest Natural	2200 NE 155th Ave	02-14-2022 05:34 PM	✓	State	
3973	Darren Tinnerstet	Northwest Natural	330 E Mill Plain Drive	01-03-2022 02:01 PM	✓	State	
3960	Scott Rukke	Northwest Natural	712 W. 23rd St	11-30-2021 11:10 AM	✓	State	
3955	Dennis Ritter	Northwest Natural	SW Eaton Blvd and SW 10th AVE	11-16-2021 05:31 AM	✓	State	
3944	David Cullom	Northwest Natural	2119 East 8th St	10-19-2021 04:23 PM	✓	State	
3903	Anthony Dorrough	Northwest Natural	1222 E Fir Ave	07-30-2021 11:21 AM	✓	State	
3897	David Cullom	Northwest Natural	250 SW Taylor Street Portland Oregon	07-13-2021 04:00 PM	✓		
3896	David Cullom	Northwest Natural	2106 NW 33rd Way	07-13-2021 01:19 PM	✓	State	
3886	Scott Anderson	Northwest Natural	7012 NE 69th Ave	06-29-2021 02:53 PM	✓	State	
3871	Darren Tinnerstet	Northwest Natural	305 SE Chkalov Dr.	06-08-2021 01:30 AM	✓	State	
3864	Anthony Dorrough	Northwest Natural	10913 NE 8th Circle	05-27-2021 12:39 PM	✓	State	
3859	Lex Vinsel	Northwest Natural	157 Jewitt Blvd.	05-23-2021 03:38 PM	✓	State	
3857	Lex Vinsel	Northwest Natural	7001 NE Highway 99	05-20-2021 11:11 PM	✓	State	
3856	Lex Vinsel	Northwest Natural	6811 NE 121st Ave	05-19-2021 09:26 AM	✓	State	
3867	David Cullom	Northwest Natural	915 N 10th PL	05-13-2021 12:27 PM	✓	State	
3834	Lex Vinsel	Northwest Natural	455 C Street	03-25-2021 01:26 PM	✓	State	
3831	Scott Anderson	Northwest Natural	264 8th St	03-12-2021 08:05 AM	✓	State	
3828	Scott Rukke	Northwest Natural	230 NE 37th Circle	03-04-2021 11:55 AM	✓		
3819	Derek Norwood	Northwest Natural	8101 NE Parkway Dr	02-03-2021 01:15 PM	✓	State	
3805	Scott Anderson	Northwest Natural	3925 NW 61st St	01-07-2021 03:30 PM	✓	State	
3801	Derek Norwood	Northwest Natural	65077 Lewis and Clark Hwy	12-20-2020 11:48 PM	✓	State	
3799	Derek Norwood	Northwest Natural	15 NW 13th Ave	12-15-2020 09:46 AM	✓	State	
3789	Scott Anderson	Northwest Natural	109 SW 1st St	11-20-2020 09:35 AM	✓	State	
3759	David Cullom	Northwest Natural	125 Palos Verdes	10-03-2020 03:21 PM	✓	State	
3740	Derek Norwood	Northwest Natural	4125 Pioneer St	08-25-2020 04:38 PM	✓	State	
3738	Dennis Ritter	Northwest Natural	3215 NE 99th Cir	08-19-2020 11:54 AM	✓	State	
3719	Scott Rukke	Northwest Natural	1655 C St	07-24-2020 11:42 AM	✓	State	
3791	Anthony Dorrough	Northwest Natural	2437 NW Lacamas Drive	07-12-2020 02:26 PM	✓	State	

NotificationID	Inspector	Company	Street Address of event/incident	Date & Time of Incident	Is 30-Day Report Received?	Reporting Level
3707	Lex Vinsel	Northwest Natural	205 NE Wisconsin Street	07-07-2020 04:43 PM	✓	State
3705	Scott Anderson	Northwest Natural	2311 SE 139th Ave	06-27-2020 02:51 PM	✓	State
3684	Scott Anderson	Northwest Natural	5144 P St.	06-03-2020 02:00 PM	✓	State
3682	Scott Anderson	Northwest Natural	NE Vine St & E Jewett Blvd	06-03-2020 08:18 AM	✓	State
3677	Anthony Dorrough	Northwest Natural	16606 NE 95th St	05-27-2020 10:23 AM	✓	State
3648	Derek Norwood	Northwest Natural	5305 NE 121st Ave	03-20-2020 04:11 PM	✓	State
3647	Derek Norwood	Northwest Natural	10705 NE 99th Ave	03-19-2020 07:50 AM	✓	State
3646	Derek Norwood	Northwest Natural	13700 NE Fourth Plain Blvd	03-19-2020 02:28 AM	✓	State
3629	Darren Tinnerstet	Northwest Natural	15109 NE 28th. Ct.	01-22-2020 09:20 AM	✓	State
3626	Lex Vinsel	Northwest Natural	407 W Main	01-02-2020 02:04 PM	✓	State

6. Notes**Question #7.**

Were there reportable or unreportable safety related conditions during the previous year? If yes please describe.

Q7: Report of SRCs

NotificationID	Company	Safety-Related Condition	SafetyRelatedConditionChoices	Reportable?	Date & Time of Incident	Company Notified Date	Report Date
No Incident Notification records found							

7. Notes

None for this last year.

Question #8.

For transmission systems, were there any abnormal operating conditions (as described in 192.605 (c) or 195.402(d)) since the last annual review? If yes please describe.

8. Notes

None for this last year.

7. Result

Satisfactory

8. Result

Satisfactory

O&M & EMERGENCY PROGRAMS

Question #9.

Is the O&M Manual up to date and were changes made in the previous year?

Operator Manuals on Sharepoint

9. Result

Satisfactory

9. Notes

Each manual has a revision date. The FOM has a "What's New Section"

Question #10.

If changes to the O&M were made, are changes acceptable?

10. Result

Satisfactory

10. Notes

I reviewed the "What's New" section.

Question #11.

Were emergency plans changed during the previous year?

11. Result

Satisfactory

11. Notes

On page 6 of the ERRP has the change log. The last change was 5-2021

Question #12.

Were any changes to emergency plans satisfactory?

12. Result

Satisfactory

12. Notes

The changes were suitable.

INTEGRITY MANAGEMENT PROGRAMS

Question #13

Were there changes to the Integrity Management programs (TIMP, DIMP or both, as applicable)?

13. Result

Satisfactory

13. Notes

The DIMP has a revision log that starts on page 143. It was reviewed. The TIMP plan had significant changes in the past year. The rev log is at end.

Question #14.

Is the DIMP/TIMP up to date? What are the results of the operator's program review (effectiveness evaluation) (DIMP every 5 years)?

14. Result

Satisfactory

14. Notes

It was done in 2021.

Question #15

Are IMP program changes acceptable?

15. Result

Satisfactory

15. Notes

For 2022 there were gathering line changes.

Question #16

Was appropriate assessment/ repair work conducted during the past year? (monitor progress of IMP activities)

16. Results

Not Applicable

16. Notes

They did not perform any repair work.

Question #17

Does the operator's HCA location data correspond to the positional data located in UTC GIS?

17. Results

Satisfactory

17. Notes

There have not been any issues with positional accuracy. The operator did a full MCA classification in 2020. They will do another one in 2023.

Question #18

What assessment work is planned for the upcoming year?

18. Results

Satisfactory

18. Notes

For 2023, There will be an ILI assessment.

Question #19

Within the operator's DIMP, are low pressure systems evaluated for overpressure threats?

19. Results

Not Applicable

19. Notes

No low pressure systems in Washington State.

Question #20

Did the operator develop and follow specific procedures for low pressure system construction or maintenance projects? (Note: this question is revisited in greater detail in the ADB review section)

20. Results

Not Applicable

20. Notes

No low pressure systems in Washington.

Question #21

Are plastic pipe and components that have shown a record of defects/leaks being mitigated through the DIMP plans?

21. Results

Satisfactory

21. Notes

Celcon caps are replaced as they are found.

Question #22

Has appropriate DIMP remediation work occurred during the past year? (monitor progress of DIMP activities)

22. Results

Not Applicable

22. Notes

None planned at this time.

Question #23

What DIMP remediation work is anticipated for upcoming year?

23. Results

Satisfactory

23. Notes

None is planned

OQ PROGRAM

Question #24

Is the OQ program up to date? Were there changes to the Operator Qualification (OQ) program in the last year? If yes, please describe.

24. Results

Satisfactory

24. Notes

The OQ program revision log was reviewed. No substantial program changes. Darin Arnold replaced Gabe Cabatic.

Question #25

Are the OQ plan updates satisfactory?

25. Results

Not Applicable

25. Notes

No significant changes

Question #26

Are personnel performing covered tasks (including contractors) properly qualified and requalified at intervals determined in the operator's plan?

26. Results

Satisfactory

26. Notes

CT 413 has the qualification intervals for locating tasks for example. Appendix A has the frequency. It is 13702 and the requal interval is 3 years.

PUBLIC AWARENESS PROGRAM

Question #27

Is the PA program up to date? And were there changes to the Public Awareness (PA) program within the last year?

27. Results

Satisfactory

27. Notes

No major changes. There is no revision log. They use redline changes. There were budget and employee changes.

Question #28

Are changes to the PA program satisfactory?

28. Results

Satisfactory

28. Notes

Result 27 is Satisfactory. The changes are acceptable.

CONTROL ROOM PROGRAM

Question #29

Is the CRM program up to date? And were there changes to the Control Room Management (CRM) program within the last year?

29. Results

Satisfactory

29. Notes

The last change was 9/22/2021.

Question #30

Are the CRM program changes satisfactory?

30. Results

Satisfactory

30. Notes

Yes there were as a result of a CRM inspection performed with Oregon and Washington.

SAFETY MANAGEMENT SYSTEM API 1173

Question #31

Is the operator developing and implementing an API 1173 Safety Management System?

31. Results

Satisfactory

31. Notes
MOC was identified in gap analysis Peter Cathcart was hired to implement. MORT charts are used for incident investigation. Operational controls are in place.

INSPECTOR ASSESSMENT OF INSPECTION UNITS

Question #32
Are inspection units broken down appropriately? Do you recommend any changes to inspection units?

32. Results
Satisfactory

32. Notes
Only two units currently. They are suitable in size.

Q32: List of current inspection units

Unit Name	Distribution/Transmission	Intrastate or Interstate?	GAS or LIQUID	UTC Unit ID	UTC Operator ID
Northwest Natural (5 Unit records)					
NWN- HQ	Distribution	Intrastate	Gas	1826	111
NWN- Columbia Gorge	Distribution	Intrastate	Gas	79	111
NWN- Clark	Distribution	Intrastate	Gas	78	111
NWN- Transmission	Transmission	Intrastate	Gas	1879	111
NWN- Mobile LNG	Distribution	Intrastate	Gas	1911	111

OPERATOR'S PUBLIC WEB PAGE

Question #33
For informational purposes: Using the drop down selections available in the "Results" block, indicate whether the operator's web page contains the information listed by placing a check in the box adjacent to all items that are present.

33. Results
Q33.A Pipeline Purpose and Reliability ; Q33.B Damage Prevention ; Q33.C Pipe Location Information ; Q33.D How to get additional information ; Q33.E National Pipeline Mapping System ; Q33.F On Call Requirements ; Q33.G Potential Hazards ; Q33.H Prevention Measures ; Q33.I Leak/Damage Recognition ; Q33.J ROW Encroachment ; Q33.K Pipeline Location Information ; Q33.L Integrity Management Programs ; Q33.M Emergency Preparedness

33. Notes
As with last year's review, I verified the operator's website.
The location is at <https://www.nwnatural.com/safety/pipeline-information> contains the required content. The videos also have additional safety information about odor detection and emergency procedures.
24 hr call center information is located at: <https://www.nwnatural.com/safety/smell-natural-gas>

ADVISORY BULLETIN REVIEW

Question #34
Is there potential for damage to the operator's pipeline facilities caused by flooding, river scour, or channel migration?

ADB 2019-01
ADB 2019-01 Flood Mitigation

34. Results
Not Applicable

34. Notes
None in Washington

Question #35
If "YES" to Q34, did the operator take appropriate action in accordance with the guidance contained ADB 2019-01? Discuss ADB's guidance with operator's representative, and annotate any concerns.

ADB 2019-01
ADB 2019-01: Flood Mitigation

35. Results
Not Applicable

35. Notes
34 was N/A

Question #36
Is there potential for the operator's system to be damaged by earth movement or other seismic/geological activities?

ADB 2019-02
ADB 2019-02: Earth Movement/Geological Hazards

36. Results
YES

36. Notes
Yes

Question #37
If "YES" to Q36, did the operator take appropriate action according to ADB 2019-02? Discuss suggested actions from ADB with operator's representative and annotate any concerns.

ADB 2019-02
ADB 2019-02: Earth Movement/Geological Hazards

37. Results
Satisfactory

37. Notes
The operator had performed a seismic study on the transmission system.

Question #38
Does the operator have any indoor meter sets or regulators in their system?

ADB 2020-01
ADB 2020-01 Inside Meter Sets

38. Results
YES

38. Notes
Yes there is some inside meter sets and the operator provided information about:
The operator had a list of 811 inside meter sets from NWN's Customer Information System (CIS). There are several meter locations as options in this list-

- Basement
- From Fence
- Garage
- Inside
- Laundry Room
- Left

- Rear
- Roof

Additionally, NWN has additional guidance to what floor it is on, if it is several stories, peep hole access, cabinet, shed access, and meter access comments if needed.

Question #39

If operator's system has indoor meter sets/regulators, did the operator review ADB 2020-0115? Discuss ADB guidance with operator's representative and annotate any concerns. Particular attention must be given to the operator's plan to conduct leak surveys, AC inspections, and other maintenance activities in locations that are difficult to access, as well as the inclusion of inside meters/regulators within the operator's DIMP plan, as applicable.

ADB 2020-01

ADB 2020-01 Inside Meter Sets

39. Results

Satisfactory

39. Notes

D-14 is an engineering procedure reviewed that covers this subject.

Question #40

Is the operator's record of locations for all indoor meter sets/regulators within their system complete and sufficiently detailed??

ADB 2020-01

ADB 2020-01 Inside Meter Sets

40. Results

Satisfactory

40. Notes

I also reviewed procedure D-14 which went into effect on 12/3/2021 after the ADB.

Question #41

Does the operator have any low pressure systems?

ADB 2020-02

ADB 2020-02 Low Pressure Systems

41. Results

Not Applicable

41. Notes

None in WA

Question #42

If "YES" to Q41, did the operator review ADB 2020-0025 for Overpressure Protection of Low-Pressure Natural Gas Distribution Systems? Review ADB guidance with operator and annotate any concerns.

ADB 2020-02

ADB 2020-02 Low Pressure Systems

42. Results

Not Applicable

42. Notes

None in WA

Question #43

For low pressure construction/maintenance projects, does the operator have a process for review of engineering plans and constructibility reviews that are carried out through all applicable departments? Do all applicable departments review project plans for accuracy, completeness and correctness? How are control procedures developed that could identify system threats that could result in a common failure mode? How is the operator mitigating risk in their low pressure system?

ADB 2020-02

ADB 2020-02 Low Pressure Systems

43. Results

Not Applicable

43. Notes

None in WA

Question #44

Does the operator include all low-pressure system risks in their DIMP program appropriately?

ADB 2020-02

ADB 2020-02 Low Pressure Systems

44. Results

Not Applicable

44. Notes

None in WA

 **SUMMARY OF REQUIRED COMMENTS**

COMMENTS: Required for any ratings other than Satisfactory. Summarize/consolidate entries from the "Notes" blocks above. Ensure you annotate the question number for each comment.