

Form A- Annual Review 8422

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

Inspector and Operator Information

Inspection ID 8422	Inspection Link 8422	Inspector - Lead Dennis Ritter	Inspector - Assist
Operator Cascade Natural Gas Corporation	Unit HQ	Records Location - City & State Kennewick	
Inspection Start Date 07-19-2022	Inspection Exit Interview Date	Engineer Submit Date	

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 is the annual review for Cascade Natural Gas Corporation (CNGC). CNGC is transitioning its procedures from CNGC to MDU procedures so there are many changes, however, a cursory review indicates much of the CNGC procedure was transferred to the MDU OPS. This review did not go through a formal review of each program element (eg TIMIP/DIMP, CRM etc). These procedural reviews will be carried out as a separate inspection in future.

Facilities visited and Total AFOD

This was a virtual inspection using MS Teams and no facilities were visited.

0.5 AFOD

Summary of Significant Findings

There were no significant findings from this review.

Primary Operator contacts and/or participants

Colby Lundstrom, Manager Compliance and Operations Programs

Instructions and Ratings Definitions

INSPECTION RESULTS: Annual Review

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

**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
07-26-2023	David Cullom	Cascade Natural Gas Corporation	CNG - Bremerton - 7900	New Service	Ramiro Acosta	Brothers Pipeline	
06-22-2023	David Cullom	Cascade Natural Gas Corporation	CNG - Aberdeen - 7898	New Service	Marcus Dawley	Brothers Pipeline	
06-15-2023	David Cullom	Cascade Natural Gas Corporation	CNG - Bremerton - 7900	New Service	Chris Lienneveber	Brothers Pipeline	
06-15-2023	David Cullom	Cascade Natural Gas Corporation	CNG - Bremerton - 7900	New Service			
06-15-2023	David Cullom	Cascade Natural Gas Corporation	CNG - Bremerton - 7900	New Service			
05-04-2023	Anthony Dorrough	Cascade Natural Gas Corporation	CNG - Kennewick - 7901	Relocate/Abandon			Staff observed crew in the process of rerouting a section of existing 2-inch STW gas main to clear for planned new construction development, installing new 2-inch STW main. On site: Welder/Alexander Kahl; Welder/Justin Gover; Operator/James Thomas and Utility/Ryker Ackley.
04-03-2023	Dennis Ritter	Cascade Natural Gas	CNG - Longview -	Main Replacement	Keith Pearson	Brothers Pipeline	Brothers crew on site installing replacement 4" steel FBE coats IP main. This is to replace 280' of poorly coated 4" steel. Observed crew trenching and prepping

	Inspector	Operation	7002	Type of Work	Foreman	Contractor	Comments/ Observations/ Operator
03-10-2023	Anthony Dorrrough	Cascade Natural Gas Corporation	CNG - Aberdeen - 7898	Main Install	Chris Lienneweiler	Brothers Pipeline	Staff observed crew in the process of installing 6-inch PE main as part of an ongoing reinforcement project, welding on bypass for bottom-out stopper. On site: Foreman/Chris Lienneweiler; Welder/Max Brockway; Fitter/Nathan Fisher; Calibration Audit: Pyrometer #51022004 5/10/23 Sensit #G2-11221 3/22/23
03-03-2023	Anthony Dorrrough	Cascade Natural Gas Corporation	CNG - Aberdeen - 7898	Main Install	Chris Lienneweiler	Brothers Pipeline	Staff observed crew preparing to install 6-inch PE main for reinforcement eventually tying into existing 4-inch STW main (unknown). On site: Foreman/Chris Lienneweiler; Fitter/Nathan Fisher; Fitter/Helper/Chandler Kim and Laborer/Tom Ickes.
02-01-2023	David Cullom	Cascade Natural Gas Corporation	CNG - Mount Vernon - 7904	Other	Scott Stalcup		
02-01-2023	David Cullom	Cascade Natural Gas Corporation	CNG - Mount Vernon - 7904	Main Extension	Viliani Nuku	Brothers Pipeline	
01-30-2023	Scott Anderson	Cascade Natural Gas Corporation	CNG - Bremerton - 7900	New Service	Josh Block		
01-30-2023	Scott Anderson	Cascade Natural Gas Corporation	CNG - Bremerton - 7900	New Service		Brothers	
01-05-2023	Scott Anderson	Cascade Natural Gas Corporation	CNG - Longview - 7902	Main Extension		Brothers	
01-03-2023	Scott Anderson	Cascade Natural Gas Corporation	CNG - Bellingham South - 7899	New Service			
12-12-2022	Dennis Ritter	Cascade Natural Gas Corporation	CNG - Longview - 7902		Ian Wald		Crew was on-site excavating across Fiber Way to install new 12" main to a new regulator station R54 which is currently being fabricated. Brothers crew will install new reg station which will feed Longview Fibre which is now Woodrock Paper. R30 will then be retired. Job will last into February.
12-06-2022	Scott Anderson	Cascade Natural Gas Corporation	CNG - Yakima - 7909	Main Extension		Brothers	
11-30-2022	Scott Anderson	Cascade Natural Gas Corporation	CNG - Yakima - 7909	Main Install		Brothers Pipeline	
11-22-2022	Anthony Dorrrough	Cascade Natural Gas Corporation	CNG - Mount Vernon - 7904	New Service	Tyler Percy		Staff observed that work had already been completed.
11-22-2022	Anthony Dorrrough	Cascade Natural Gas Corporation	CNG - Mount Vernon - 7904	Other	Tyler Percy		Staff observed crew completing a commercial gas meter replacement/change-out, changing an old meter type with a rotary style. On site: Foreman/Fitter/Tyler Percy; Operator/Eric Stringfield; Service Mech/Scott Stalcup and Utility/Ryan Delbruck. Calibration audit: 250lb Torque Wrench #7/28/23 Sensit (gas scope) #11496 12/14/22 Multimeter #10005113 10/5/23 Halfcell #HC28 12/6/22 PE found on truck: 1-inch 3/9/22 & 3/4-inch 6/10/22
11-22-2022	Anthony Dorrrough	Cascade Natural Gas Corporation	CNG - Mount Vernon - 7904	New Service	Zack Allard	Michels	Staff observed crew in the process of installing 2-inch PE gas service to new const. lot, tying into a previously installed 2-inch stub after tying into an existing 2-inch PE main (1996) and crossing the right-of-way. On site: Foreman/Zack Allard and Fitter.
11-16-2022	Anthony Dorrrough	Cascade Natural Gas Corporation	CNG - Bellingham North - 8563	New Service	Zack Allard	Michels	Staff observed that work had not been started.
11-16-2022	Anthony Dorrrough	Cascade Natural Gas Corporation	CNG - Bellingham North - 8563	New Service	Zack Allard	Michels	Staff observed crew installing a new 1-inch PE gas service, tying into an existing 3/4-inch PE stub (2022) in customer provided trench. On site: Foreman/Operator/Zack Allard; Fitter/Trent Neuendorf and Laborer/Brian Smith. Calibration audit: Pyrometer #MICH-60243A 12/10/22 Multimeter #MICH-43836 7/18/23 Halfcell #MC67591 3/20/23 Gas Scope #MC70694 12/11/22 Torque Wrench #MICH-60303 7/14/23 Test Gauge #313-88-100 2/1/23 Test Gauge #313-88-76 2/1/23 PE found on truck: 4-inch 5/31/22 and 1-inch 9/22/22
11-16-2022	Anthony Dorrrough	Cascade Natural Gas Corporation	CNG - Bellingham North - 8563	Relocate/Abandon	Anthony Farruggia		Staff observed crew in the process of relocating an existing 2-inch HPE gas main (1986) to clear for a planned city utility project and test & tying over two services to the new 2-inch main location. On site: Foreman/Fitter/Anthony Farruggia; Operator/Jack Kenoyer; Operator/Jesse Terffthen and Utility/Kevin Grant. Calibration audit: Electrofusion Machine #9692487 due 10/5/24 Test Gauge #AST-10237395 3/2/23
11-15-2022	Scott Anderson	Cascade Natural Gas Corporation	CNG - Longview - 7902		Ian Wald	Brothers	
11-15-2022	Scott Anderson	Cascade Natural Gas Corporation	CNG - Longview - 7902	New Service	Zack Gagnon	Michels	
11-03-2022	Anthony Dorrrough	Cascade Natural Gas Corporation	CNG - Kennewick - 7901	Main Install	Dale Wagner	Michels	Staff observed crew preparing to install last section of 6-inch PE gas main into new State & County Road const work. On site: CNGC Field Operations Coordinator/Walter Allen Nelson and Fitter/Andrew Timpy. Calibration audit: Pyrometer# MC66662 due 1/23 Multimeter# MICH-43870 3/11/23 Gas Scope - Sensit# ??? 11/24/22 Halfcell# MC48332 3/11/23

Determination crew inspection Date	Inspector	Operator	Unit	Type of Work	Foreman Name	Contractor Name	Comments / Observations for Operator
							6-inch Fusion Machine TracStar last service 6/8/21 Torque Wrench 250lb #MICH-45671 3/9/23
11-03-2022	Anthony Dorrrough	Cascade Natural Gas Corporation	CNG - Kennewick - 7901	Other	Christopher Rink	Michels	Staff observed crew in the process of installing new 2-inch HD PE gas main to reinforce the system due to low pressure in this area, tying into existing 4-inch PE (1994). On site: Acting Foreman in Christopher Rink's absence/Operator/Troy Erb; Drill Foreman/Jesus Talamantez; Driller/Adrian Salazaar; Fitter/Joel Burlingame and Laborer/Hosea Herrea.
11-03-2022	Anthony Dorrrough	Cascade Natural Gas Corporation	CNG - Yakima - 7909	Main Replacement	Trent Johnson		Staff observed crew wrapping up work for the day on an existing 3-inch ST gas main replacement after finding a leak on a weld, replacing approx. 15-ft of existing main with new 2-inch ST (see Plan/As-Built photo). On site: Foreman/Welder/Trent Johnson; Operator/Marcus Huck and Operator/Jordan Scott. PE found on truck: 1-inch dated 8/14/21 and 3/4-inch 6/30/22.
11-03-2022	Anthony Dorrrough	Cascade Natural Gas Corporation	CNG - Yakima - 7909	New Service	Ron Cross	Michels	Staff observed that work had already been completed at 1120 & 1121 Bordeaux St - No issues identified.
11-02-2022	Anthony Dorrrough	Cascade Natural Gas Corporation	CNG - Walla Walla - 7907	New Service			Staff observed site location where work had been started but crew was no longer on site.
11-02-2022	Anthony Dorrrough	Cascade Natural Gas Corporation	CNG - Walla Walla - 7907	Other	Jason Fromm	Michels	Staff observed crew in the process of replacing an existing 3/4-inch STW service (1996) tied into a 2-inch STW main with an additional riser on the property at the fence line. On site: Foreman/Jason Fromm; Welder/Fitter/Joel Burlingame, and Laborer/Garrett Wood. Calibration Audit: Multimeter# MICH-43877 due 12/9/22 Halfcell# MC67592 12/9/22 Pyrometer# MC66894 1/23 Test Gauge# 31368-66 6/8/23 Gas Scope# Sensit MC43612 11/7/22 PE found on truck: 1-inch dated 9/20/22
11-02-2022	Anthony Dorrrough	Cascade Natural Gas Corporation	CNG - Walla Walla - 7907	Leak Repair			Staff observed crew preparing to excavate in an area where an odor call-in indicated a possible leak on an existing 2-inch ST gas main (1964). On site: Welder/Sean Dack; Operator/Keith Towne and Utility/Lance Maxter.
11-02-2022	Anthony Dorrrough	Cascade Natural Gas Corporation	CNG - Kennewick - 7901	Other	Mike Stone	Brothers Pipeline	Staff observed crew in the process of replacing a buried odorizer tank with a new aboveground and subsequent steel piping after fabricating a section of new pipeline and while preparing to test and tie over the new work to existing piping. On site: Supervisor/Dave Cunningham; Welder/Russell Iawerance; Operator/Bob Thomas; Weld Helper/Phillip Djang and Laborer/Kamryn Elguezabal.
11-02-2022	Anthony Dorrrough	Cascade Natural Gas Corporation	CNG - Kennewick - 7901	New Service	Christopher Rink	Michels	Staff observed that new const plat service work had already been completed. No issues identified.
11-02-2022	Anthony Dorrrough	Cascade Natural Gas Corporation	CNG - Kennewick - 7901	Main Install	Weston Lechelt	Michels	Staff observed crew in the process of tying over 4-inch & 2-inch PE gas main crossing after installing PE to a new const plat. On site: Foreman/Fitter/ Weston Lechelt and Laborer/Scott Curtis. Calibration audit: Pyrometer# MC66900 due 1/23 Test Gauge used: # 27202-24 due 12/22
10-25-2022	Dennis Ritter	Cascade Natural Gas Corporation	CNG - Mount Vernon - 7904	Other	Dennis Huff	Hanging H	16" butt weld—26-31 28-32 VAC Observed welders lay down 16" girth weld. 1/8" rod for root 5/16 for hot passes. No issues noted
10-19-2022	Dennis Ritter	Cascade Natural Gas Corporation	CNG - Mount Vernon - 7904	Other	Rafael Aguilar		CNG crew on site at Mt Vernon shop conducting hydro test for cut out on Fredonia transmission line. 8-hr test start 7:25. Digital pressure recorder and pyrometer. Checked calibration and OQs for test personnel.
10-13-2022	Anthony Dorrrough	Cascade Natural Gas Corporation	CNG - Longview - 7902	Main Install	Ian Wald	Brothers Pipeline	Staff observed crew preparing to tie-into a recently installed 12-inch STW gas main. This main installation project has installed approx. 3600-ft of 12-inch STW and approx. 2560-ft of 2-inch PE - Crew will test & tie over [3] existing services and install [1] new service. On site were: Foreman/Ian Wald; Welder/Patrick Hicks; Weld Helper/Spenser Morris; Weld Helper/Brandon McMullen; Operator/Todd Rowton and Helper/Anthony Wirkkala.
09-22-2022	Dennis Ritter	Cascade Natural Gas Corporation	CNG - Bremerton - 7900		Nick Costanza		Crew on site installing PE pipe in pre excavated joint trench. Separation OK. Checked OQs and calibration.
09-22-2022	Dennis Ritter	Cascade Natural Gas Corporation	CNG - Bremerton - 7900	Relocate/Abandon	Adam Helenburg	Brothers	Brothers crew on-site welding up bottom out for new crossing. U-shaped crossing will allow proper cover over new stream channel being constructed by DOT.
09-22-2022	Scott Anderson	Cascade Natural Gas Corporation	CNG - Bellingham District - 7899	Main Extension	Rob Englehart	Michels	
09-21-2022	Dennis Ritter	Cascade Natural Gas Corporation	CNG - Aberdeen - 7898	Other			Crew completed work. Checked OQs for welder.
09-21-2022	Derek Norwood	Cascade Natural Gas Corporation	CNG - Longview - 7902	New Service	Dennis O'Kilgore		
09-20-2022	Anthony Dorrrough	Cascade Natural Gas Corporation	CNG - Bremerton - 7900	Main Install	Nick Costanza	Michels	Staff observed Foreman/Fitter/Zack Gagnon preparing to fuse a section of 2-inch PE (dated 3/15/22) gas main to a section of 4-inch PE (dated 12/26/21).
09-12-2022	Dennis Ritter	Cascade Natural Gas Corporation	CNG - Bremerton - 7900	Service Repair	Josh Block		Crew just completed work on a corroded riser. Raised stop valve and re-coated.
09-12-2022	Dennis Ritter	Cascade Natural Gas Corporation	CNG - Bremerton - 7900	New Service	Nick Costanza	Michels	Followed up with Crew at their next job and with Colby Lundstrom on 9/12/22. OPS 302 Gas Service line Siting and Meter Sets, Step 5.5 does not now specify a minimum distance from vents and ducts. It states: Meter set assemblies should be placed, whenever possible, away from doors, building overhangs, intake ducts, and other outside areas where gas can accumulate and migrate into buildings. It used to say 3 feet but this requirement is now only for potential ignition sources. This is a MDU change to Cascade procedures bringing them inline with the rest of MDU. DER

Determination crew inspection Date	Inspector	Operator	Unit	Type of Work	Foreman Name	Contractor Name	Comments / Observations for Operator
							No crew on site work appears to be completed. Reg vent appears to be too close to crawl space vent.
09-12-2022	Dennis Ritter	Cascade Natural Gas Corporation	CNG - Bremerton - 7900	New Service		Michels	
09-12-2022	Dennis Ritter	Cascade Natural Gas Corporation	CNG - Bremerton - 7900	New Service	Nick Costanza	Michels	
09-12-2022	Dennis Ritter	Cascade Natural Gas Corporation	CNG - Bremerton - 7900	New Service	Nick Costanza	Michels	
09-12-2022	Dennis Ritter	Cascade Natural Gas Corporation	CNG - Bremerton - 7900	New Service	Nick Costanza	Michels	
09-12-2022	Dennis Ritter	Cascade Natural Gas Corporation	CNG - Bremerton - 7900	New Service	Nick Costanza	Michels	Crew on site installing a new 1" PE service to a SFR home in new subdivision. No issues noted.
08-04-2022	Dennis Ritter	Cascade Natural Gas Corporation	CNG - Yakima - 7909	Other	Rick Stone	Brothers	This was a follow up compliance inspection for Docket PG-220409 to construct a new regulator station in Yakima WA at the Williams Gate station on Terrace Heights Rd. The commission order requires 100% NDE testing of welds as well as other construction related requirements such as sand bedding, jeeeping all underground piping prior to backfill. This inspection focused on the welding and NDE testing. CNGC's on site construction inspector is Justin Palmer. Records were readily available from Mr. Palmer. The regulator station was fabricated in CNGC's Yakima shop and moved to the site. Field pipe and station pipe will be pressure tested in the field. No backfill was witnessed while on site. No jeeeping occurred while on site. NW Inspection is the NDE contractor, Josh Remme, the Level II inspector. There have been no rejected or repaired welds. There were 42 field welds made to date and 50 shop welds for the regulator station. 100% were NDE inspected.
07-27-2022	Dennis Ritter	Cascade Natural Gas Corporation	CNG - Longview - 7902			Michels	No crew on site.
07-22-2022	Anthony Dorough	Cascade Natural Gas Corporation	CNG - Bremerton - 7900	New Service	Chris Liennebeber	Michels	Staff observed that the work was already completed.
07-22-2022	Anthony Dorough	Cascade Natural Gas Corporation	CNG - Bremerton - 7900	New Service	Chris Liennebeber	Michels	Staff observed that the work had not been started yet.
07-22-2022	Anthony Dorough	Cascade Natural Gas Corporation	CNG - Bremerton - 7900	New Service	Chris Liennebeber	Michels	Staff observed that work had been completed.
07-22-2022	Anthony Dorough	Cascade Natural Gas Corporation	CNG - Bremerton - 7900	New Service	Chris Liennebeber	Michels	Staff observed work had not been started.
07-22-2022	Anthony Dorough	Cascade Natural Gas Corporation	CNG - Bremerton - 7900	New Service	Chris Liennebeber	Michels	Staff observed crew in the process of installing 1-inch PE service, tying into 2-inch PE main (2021). PE found on truck: 1-inch 3/8/22.
07-14-2022	David Cullom	Cascade Natural Gas Corporation	CNG - Longview - 7902	Main Extension	Adam Helenburg	Brothers Pipeline	
07-14-2022	David Cullom	Cascade Natural Gas Corporation	CNG - Longview - 7902	Relocate/Abandon	Ian Wald	Brothers Pipeline	
06-16-2022	Anthony Dorough	Cascade Natural Gas Corporation	CNG - Aberdeen - 7898	Main Install	Chris Liennebeber	Michels	Staff observed crew in the process of installing new 2-inch PE gas main, tying into an existing 2-inch ST tar-coated main (1976). The existing tie-in had not been exposed, crew will install and keep new main on test until another crew is available to perform the tie-in. On site were: Foreman/Operator/Chris Leinenweber; Fitter/Joe Kroll and Laborer/Jacob Moffitt.
06-16-2022	Anthony Dorough	Cascade Natural Gas Corporation	CNG - Aberdeen - 7898	Main Replacement	Justin Harris	Michels	Staff observed crew in the process of installing new 2-inch PE gas main, relocating and retiring an existing 2-inch ST main (date unknown) and installing new 1-inch PE services and tying over existing services, also tying into existing 4-inch and 2-inch PE mains at two separate locations. On site were: Construction Supervisor/Matt Snyder/Snyder Gas; Fitter/Justin Lairson; Operator/Henry Valdiva and Laborer/Kevin Skannes. PE found on reel: 2-inch 9/15/21
06-01-2022	Dennis Ritter	Cascade Natural Gas Corporation	CNG - Aberdeen - 7898	Main Repair	Keith Pearson	Michels	No issues noted. Turek was applying wax tape wrap when I arrived. 2" stl main repair. Coating looked sound no corrosion evident on pipe. CP good.
06-01-2022	Dennis Ritter	Cascade Natural Gas Corporation	CNG - Aberdeen - 7898	New Service	Chris Liennebeber	Michels	No issues noted. Contractor was still prepping for air test and tie in.
05-25-2022	Dennis Ritter	Cascade Natural Gas Corporation	CNG - Longview - 7902	Other	Ian Wald	Brothers	No issues noted. Crew was waiting for material when I arrived. NW Inspection inspector Ian Wald on site. Reviewed records and looked over piping installed. No other OQ work while on site.
05-23-2022	Dennis Ritter	Cascade Natural Gas Corporation	CNG - Yakima - 7909	Main Install	Britt Boldt	Brothers	No issues noted. No crew on site—working nights. Did talk to welding inspector Todd Morgan. No rejected welds or repairs. 10% welds are being NDE.
05-11-2022	Anthony Dorough	Cascade Natural Gas Corporation	CNG - Sunnyside - 7906	New Service	Trent Johnson		Staff observed that work had already been completed. NOTE: Staff noticed that riser was shut but not locked-off (see pict.) Staff emailed CNGC which in turn generated a report (see attached in documents) No follow-up was needed.
05-11-2022	Anthony Dorough	Cascade Natural Gas Corporation	CNG - Yakima - 7909	Other	Trent Johnson		Staff observed crew preparing to repair a HP by-pass at a farm-tap located on an existing 4-inch STW gas main (1982). On site were: Foreman/Fitter/Trent Johnson; Operator/Nick Laurant and Utility/Angel Flores. Calibration audit: Multimeter #10881191 due 12/2/22 Halfcell #U8 12/1/22

Determination crew inspection Date	Inspector	Operator	Unit	Type of Work	Foreman Name	Contractor Name	Comments / Observations for Operator
05-11-2022	Anthony Dorrrough	Cascade Natural Gas Corporation	CNG - Yakima - 7909	Main Replacement	Christopher Rink	Michels	Staff observed crew in the process of opening holes for 3-inch ST service (1964) C&C work and farm-tap removal after a gas main replacement. On site were: Operator/Troy Herb and Laborer/Jose Herrera.
05-10-2022	Anthony Dorrrough	Cascade Natural Gas Corporation	CNG - Wenatchee - 7908	Main Replacement	Shane Davis	Brothers Pipeline	Staff observed crew preparing to lower approx. 380-ft of existing 6-inch Steel gas main (1965) with new 6-inch steel after main was found to be too shallow and was struck by third-party excavation work. On site were: Brothers Foreman/Rick Stone; CNGC Welder/Shane Davis; Const. Insp./Joe Rude and Brothers Welder/Shane Slover.
04-27-2022	Dennis Ritter	Cascade Natural Gas Corporation	CNG - Kennewick - 7901	Main Install	Weston Lechelt	Michels	4/27/22-Jody Adams, CNGC Field Coordinator, sent pictures and indicated that the contractor had acquired bedding from a local pit and the material with rocks removed from project. Will place 6" of sand bedding over material with rocks and remove larger rocks prior. DER Michels had installed 2" PE in contractor supplied ditch with contractor supplied bedding. Bedding was poor with rocks. Told them they had to remove rocks or use new rock free bedding. CNGC personnel arrived and agreed new bedding was required. Contractor was to bring in new bedding. CNGC will send pics of installed bedding.
04-27-2022	Dennis Ritter	Cascade Natural Gas Corporation	CNG - Kennewick - 7901	Main Install	Vince Gourley	Infrasource	This is a follow up inspection to PG220008 Proximity Request to install a new steel main, 12", 8" and 6". Checked to make sure 100% NDT, NDT tech quals, mailer sent to all affected structures, welder quals. NDT tech Brian Martin Level II 10/22 Tony Martin Level III approval 10/22 Crew on site welding cap on 12" steel main. Will then put 50# of air in line to keep pressurized waiting Phase 2 in 2023. Reviewed NTD records for 12" and 6" installed to date. 203 12" welds were tested. No rejects no repairs. 36 6" welds to date. No repairs no rejects.
04-26-2022	Anthony Dorrrough	Cascade Natural Gas Corporation	CNG - Aberdeen - 7898	New Service	Chris Lienneweber	Michels	Bad Address
04-26-2022	Anthony Dorrrough	Cascade Natural Gas Corporation	CNG - Aberdeen - 7898	Cut & Cap	Chris Lienneweber	Michels	Staff observed crew completing C&C work on an existing 3/4-inch STW service (1968) tied-into an existing 8-inch STW main (unknown). On site were: Foreman/Operator/Chris Lienneweber; and Fitter/Joel Kroll.
04-22-2022	Anthony Dorrrough	Cascade Natural Gas Corporation	CNG - Bremerton - 7900	New Service	Zack Gagnon	Michels	Staff observed that work had already been completed.
04-22-2022	Anthony Dorrrough	Cascade Natural Gas Corporation	CNG - Bremerton - 7900	New Service	Steve Bacque	Michels	Staff observed that work had not started.
04-22-2022	Anthony Dorrrough	Cascade Natural Gas Corporation	CNG - Bremerton - 7900	New Service	Steve Bacque	Michels	Staff observed crew in the process of installing new 1-inch PE gas service, tying into an existing 1-inch PE stub (2020). On site were: Foreman/Steve Bacque; Fitter/Marcus Dawley and Laborer/Seth Smith.
04-21-2022	Dennis Ritter	Cascade Natural Gas Corporation	CNG - Longview - 7902		Chris Lienneweber	Michels	No issues noted
04-20-2022	Dennis Ritter	Cascade Natural Gas Corporation	CNG - Mount Vernon - 7904	Main Install	Zack Allard	Michels	No issues noted
04-08-2022	David Cullom	Cascade Natural Gas Corporation	CNG - Bremerton - 7900	Main Extension	Zack Gagnon	Michels	
04-04-2022	Scott Anderson	Cascade Natural Gas Corporation	CNG - Bellingham District - 7899	Main Extension	Zack Allard	Michels	
03-25-2022	Anthony Dorrrough	Cascade Natural Gas Corporation	CNG - Bremerton - 7900	New Service	Chris Lienneweber	Michels	Staff observed crew installing new 1-inch PE gas service, tying into an existing 2-inch HDPE main (2004) located on private property in a utility easement. On site were: Foreman/Operator/Chris Lienneweber; Fitter/Joseph Kroll and Laborer/Jacob Moffatt. Calibration audit: Electro-fusion Machine #MC43628 6/23/22 Multimeter #MC29236 Halfcell #MC55957 5/25/22 Pyrometer #MC60276 10/14/22 Test Gauge (used) #MC51024 10/6/22 Gas Scope #MC61805 4/15/22 PE found on reel: 1-inch 8/14/21
03-25-2022	Anthony Dorrrough	Cascade Natural Gas Corporation	CNG - Bremerton - 7900	New Service	Steve Bacque	Michels	Staff observed crew installing new 1-inch PE gas service, tying into 2-inch HDPE. On site were: Foreman/Operator/Steve Bacque; Fitter/Marcus Dawley and Laborer/Darren White. Calibration audit: Pyrometer #MICH55983 7/13/22 Multimeter #MICH43839 2/1/23 Test Gauge #MC65527 1/11/22 Gas Scope #MC61808 4/7/22 Electrofuse Machine #MC43749 1/20/24 PE found on reel: 1-inch 8/14/21
03-25-2022	Anthony Dorrrough	Cascade Natural Gas Corporation	CNG - Bremerton - 7900	New Service	Nate Fisher	Michels	Staff observed crew after installing new 1-inch PE gas service, tying into an existing 2-inch PE (2021). On site were: Foreman/Fitter/Nate Fisher and Operator/Keith Pearson. Calibration audit: Test Gauge #MC65530 11/30/22 Multimeter #MICH45601 7/14/22 Halfcell #MC51720 9/27/22 Gas Scope #MC4965 4/14/22 Electrofusion Machine #MC34615 6/23/22 PE found on truck: 1-inch 8/14/21 & 1/2-inch 6/19/20
03-24-2022	Derek Norwood	Cascade Natural Gas Corporation	CNG - Kennewick - 7901	Main Extension	Vince Gourley	Infrasource	
03-23-2022	Scott Anderson	Cascade Natural Gas Corporation	CNG - Longview - 7902	Main Install	Justin Harris	Michels	
03-17-2022	Scott Anderson	Cascade Natural Gas	CNG - Yakima -	New Service	Heath Rodarme	Michels	

	Inspector	Corporation Operator	7909 Unit	Type of Work	Foreman Name	Contractor Name	Comments / Observations for Operator
03-16-2022	David Cullom	Cascade Natural Gas Corporation	CNG - Mount Vernon - 7904			Michels	
03-16-2022	David Cullom	Cascade Natural Gas Corporation	CNG - Mount Vernon - 7904	Other		Michels	There was no site access. It was gated
03-07-2022	Derek Norwood	Cascade Natural Gas Corporation	CNG - Yakima - 7909	New Service	Rob Englehart	Michels	
03-03-2022	Scott Anderson	Cascade Natural Gas Corporation	CNG - Mount Vernon - 7904	New Service		Michels	
03-03-2022	Scott Anderson	Cascade Natural Gas Corporation	CNG - Mount Vernon - 7904	New Service		Michels	
03-02-2022	Anthony Dorough	Cascade Natural Gas Corporation	CNG - Bellingham District - 7899	New Service	Paul Martinez	Michels	Staff observed crew in the process of installing new 1-inch PE gas service, tying into an existing 2-inch STW main (1970). On site were: Foreman/Paul Martinez; Fitter/Scott Frazier and Laborer/Nick Palmer. Calibration Audit: Gas Scope #MC61048 3/28/22 Multimeter #MICH43836 8/28/22 Halfcell #MC55953 9/27/22 Pyrometer #MICH43974 8/24/22 Test Gauge #MIC65537 11/22 PE found on truck: 1-inch 9/1/21 & 9/2/21
03-02-2022	Anthony Dorough	Cascade Natural Gas Corporation	CNG - Bellingham District - 7899	New Service	Cody Miller		Staff observed crew in the process of installing a new 2-inch PE gas service, tying into an existing 2-inch PE main (2017) to upgrade an existing 1-inch PE service (2017). On site were: Foreman/Fitter/Cody Miller; Operator/Chad Vandenhaak and Utility/Jesse Trefethen. Pyrometer #11261435200-K was found without documented calibration. FOLLOW-UP STAFF CONTACTED CNGC AND THEY PROVIDED DOCUMENTATION THAT THE EQUIPMENT WAS CALIBRATED. THEY HAVE A NEW INVENTORY SYSTEM (MAXIMO) AND THE EQUIPMENT LABELS HAD NOT BEEN UPDATED TO THAT SYSTEM.
03-02-2022	Anthony Dorough	Cascade Natural Gas Corporation	CNG - Bellingham District - 7899	New Service	Tony Farruggia		Staff observed crew in the process of installing a new 1-inch PE gas service, tying into a 2-inch PE main (2007) to upgrade an existing 5/8-inch PE service (2010). On site were: Foreman/Fitter/Operator/Tony Farruggia; ??? Kenoyer and Utility/Matt Foss. PE found on truck: 1-inch 8/14/21 Calibration Audit: Multimeter #??? Due 12/20/22 Halfcell #HC-TF calibrated 1/5/22 due ??? Test Gauge #A3G200X19 1/6/23 Gas Scope #6171 3/5/22 Pyrometer #05281400735200-K had not documented calibration FOLLOW-UP STAFF CONTACTED CNGC AND THEY PROVIDED DOCUMENTATION THAT THE EQUIPMENT WAS CALIBRATED. THEY HAVE A NEW INVENTORY SYSTEM (MAXIMO) AND THE EQUIPMENT LABELS HAD NOT BEEN UPDATED TO THAT SYSTEM.
02-22-2022	Dennis Ritter	Cascade Natural Gas Corporation	CNG - Mount Vernon - 7904	Other	Tyler Percy		No issues noted
02-07-2022	Dennis Ritter	Cascade Natural Gas Corporation	CNG - Mount Vernon - 7904	Other		Michels	No issues noted
02-07-2022	Dennis Ritter	Cascade Natural Gas Corporation	CNG - Mount Vernon - 7904	Relocate/Abandon	Nick Simmons	Infrasource	Nothing of note observed
02-07-2022	Derek Norwood	Cascade Natural Gas Corporation	CNG - Longview - 7902	Main Install	Justin Harris	Michels	
01-31-2022	Dennis Ritter	Cascade Natural Gas Corporation	CNG - Bellingham District - 7899				
01-31-2022	Dennis Ritter	Cascade Natural Gas Corporation	CNG - Bellingham District - 7899	New Service	Chad Vandenhauk		No issues noted
01-26-2022	Dennis Ritter	Cascade Natural Gas Corporation	CNG - Bremerton - 7900	Main Install	Dan Morse	Michels	No issues noted
01-26-2022	Dennis Ritter	Cascade Natural Gas Corporation	CNG - Bremerton - 7900	Other	Steve Bacque	Michels	No issues noted
01-25-2022	Dennis Ritter	Cascade Natural Gas Corporation	CNG - Aberdeen - 7898		Zack Gagnon	Michels	No issues noted
01-24-2022	Dennis Ritter	Cascade Natural Gas Corporation	CNG - Aberdeen - 7898	New Service	Tom Trainer	Michels	
01-24-2022	Dennis Ritter	Cascade Natural Gas Corporation	CNG - Aberdeen - 7898	New Service	Tom Trainer	Michels	No issues noted

Determination crew inspection Date	Inspector	Operator	Unit	Type of Work	Foreman Name	Contractor Name	Comments / Observations for Operator
01-18-2022	Scott Anderson	Cascade Natural Gas Corporation	CNG - Bellingham District - 7899	New Service			
01-18-2022	Scott Anderson	Cascade Natural Gas Corporation	CNG - Bellingham District - 7899	Cut & Cap			
01-18-2022	Scott Anderson	Cascade Natural Gas Corporation	CNG - Bellingham District - 7899	Cut & Cap			
	Dennis Ritter	Cascade Natural Gas Corporation	CNG - Wenatchee - 7908				

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?
No Facility Inspection records found						

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
Cascade Natural Gas Corporation (45 Inspection records)								
2023	Cascade Natural Gas Corporation	CNG- Headquarters	8580	DIMP - Gas Distribution Integrity Management	Pending			Documents
2023	Cascade Natural Gas Corporation	CNG- Headquarters	8581	Standard - Annual Review	Pending			Documents
2023	Cascade Natural Gas Corporation	CNG- Headquarters	8582	DA - Drug & Alcohol	Pending			Documents
2023	Cascade Natural Gas Corporation	CNG- Aberdeen District	8583	Standard Comprehensive - GD	Waiting for Compliance		06-16-2026	Documents
2023	Cascade Natural Gas Corporation	CNG- Kennewick District	8584	Standard Comprehensive - GD	Complete	07-19-2023	05-24-2026	Documents
2023	Cascade Natural Gas Corporation	CNG- Transmission	8585	TIMP - Gas Transmission Integrity Management	Pending			Documents
2023	Cascade Natural Gas Corporation	CNG- Transmission	8586	Standard Comprehensive - GT	Pending			Documents
2023	Cascade Natural Gas Corporation	CNG- Headquarters	8665	Pipe Replacement Plan	Complete	08-10-2023	07-20-2025	Documents
2023	Cascade Natural Gas Corporation	CNG- Yakima District	8706	Design, Testing & Construction - Gas	In the Workflow		06-23-2024	Documents
2023	Cascade Natural Gas Corporation	CNG- Mount Vernon District	8720	Design, Testing & Construction - Gas	Pending			Documents
2022	Cascade Natural Gas Corporation	CNG- Headquarters	8422	Standard - Annual Review	Complete	07-27-2022	07-19-2023	Documents
2022	Cascade Natural Gas Corporation	CNG- Bellingham South	8423	Standard Comprehensive - GD	Complete	10-13-2022	08-25-2025	Documents
2022	Cascade Natural Gas Corporation	CNG- Aberdeen District	8424	Standard Comprehensive - GD	Complete	10-25-2022	06-30-2025	Documents
2022	Cascade Natural Gas Corporation	CNG- Headquarters	8425	PA - Public Awareness	Complete	10-13-2022	10-06-2026	Documents
2022	Cascade Natural Gas Corporation	CNG- Walla Walla District	8426	Standard Comprehensive - GD	Complete	06-15-2022	04-19-2025	Documents
2022	Cascade Natural Gas Corporation	CNG- Yakima District	8427	Standard Comprehensive - GD	Complete	10-13-2022	10-05-2025	Documents
2022	Cascade Natural Gas Corporation	CNG- Kennewick District	8484	Design, Testing & Construction - Gas	Complete	02-10-2022	01-19-2023	Documents
2022	Cascade Natural Gas Corporation	CNG- Headquarters	8507	Section 114	Complete	07-28-2022	07-20-2022	Documents
2022	Cascade Natural Gas Corporation	CNG- Yakima District	8521	Incident Investigation	Complete	09-28-2022	09-15-2022	Documents
2022	Cascade Natural Gas Corporation	CNG- Yakima District	8540	Design, Testing & Construction - Gas	Complete	09-22-2022	06-14-2023	Documents
2022	Cascade Natural Gas Corporation	CNG- Aberdeen District	8541	Design, Testing & Construction - Gas	In the Workflow		07-07-2023	Documents
2022	Cascade Natural Gas Corporation	CNG- Yakima District	8553	Design, Testing & Construction - Gas	Complete	04-27-2023	09-09-2023	Documents
2022	Cascade Natural Gas Corporation	CNG- Sunnyside	8558	Design, Testing & Construction - Gas	Complete	04-27-2023	09-14-2023	Documents
2021	Cascade Natural Gas Corporation	CNG- Bremerton District	8252	Standard Comprehensive - GD	Complete	10-04-2021	09-22-2024	Documents

Year of Inspection	Facility - Operator	Unit Name	Inspection ID	Inspection Type	Inspection Status	Closed Date	Next Inspection Interval	SHAREPOINT
	Corporation							
2021	Cascade Natural Gas Corporation	CNG- Longview District	8253	Standard Comprehensive - GD	Complete	07-20-2021	04-29-2024	Documents
2021	Cascade Natural Gas Corporation	CNG- Mount Vernon District	8254	Standard Comprehensive - GD	Complete	11-30-2021	11-17-2024	Documents
2021	Cascade Natural Gas Corporation	CNG- Sunnyside	8255	Standard Comprehensive - GD	Complete	07-06-2021	06-23-2024	Documents
2021	Cascade Natural Gas Corporation	CNG- Moses Lake	8256	Standard Comprehensive - GD	Complete	10-21-2021	08-26-2024	Documents
2021	Cascade Natural Gas Corporation	CNG- Wenatchee District- Wenatchee	8257	Standard Comprehensive - GD	Complete	09-16-2021	08-24-2024	Documents
2021	Cascade Natural Gas Corporation	CNG- Headquarters	8258	OM PPR GAS - Operations & Maintenance, Plans & Procedures Review	Complete	02-03-2021	01-27-2025	Documents
2021	Cascade Natural Gas Corporation	CNG- Headquarters	8259	Pipe Replacement Plan	Complete	08-26-2021	07-16-2023	Documents
2021	Cascade Natural Gas Corporation	CNG- Headquarters	8260	Standard - Annual Review	Complete	10-21-2021	10-12-2022	Documents
2021	Cascade Natural Gas Corporation	CNG- Walla Walla District	8328	Incident Investigation	Complete	09-15-2021	09-14-2021	Documents
2020	Cascade Natural Gas Corporation	CNG- Aberdeen District	8049	Standard Comprehensive - GD	Complete	12-29-2020	11-06-2023	Documents
2020	Cascade Natural Gas Corporation	CNG- Kennewick District	8050	Standard Comprehensive - GD	Complete	11-23-2020	11-18-2023	Documents
2020	Cascade Natural Gas Corporation	CNG- Headquarters	8051	OQ - Operator Qualification	Complete	02-26-2020	02-25-2024	Documents
2020	Cascade Natural Gas Corporation	CNG- Transmission	8052	Standard Comprehensive - GT	Waiting for Compliance		08-10-2023	Documents
2020	Cascade Natural Gas Corporation	CNG- Transmission	8053	TIMP - Gas Transmission Integrity Management	Complete	02-05-2020	01-29-2023	Documents
2020	Cascade Natural Gas Corporation	CNG- Headquarters	8054	DIMP - Gas Distribution Integrity Management	Complete	01-16-2020	01-14-2023	Documents
2020	Cascade Natural Gas Corporation	CNG- Headquarters	8055	Standard - Annual Review	Complete	01-16-2020	01-14-2021	Documents
2020	Cascade Natural Gas Corporation	CNG- Aberdeen District	8137	Incident Investigation	Complete	02-04-2020	01-22-2020	Documents
2020	Cascade Natural Gas Corporation	CNG- Headquarters	8149	CRM - GAS	Complete	05-17-2021	11-17-2024	Documents
2020	Cascade Natural Gas Corporation	CNG- Headquarters	8152	Design, Testing & Construction - Gas	Complete	04-10-2020	03-11-2021	Documents
2020	Cascade Natural Gas Corporation	CNG- Walla Walla District	8164	Design, Testing & Construction - Gas	Complete	05-07-2020	04-23-2021	Documents
2020	Cascade Natural Gas Corporation	CNG- Bremerton District	8203	Incident Investigation	Complete	11-24-2020	05-28-2020	Documents

GAS System Operations History

Annual Report - Miles of Main

Year	Operator	SYSTEM TOTAL Miles of Main	Miles of Service	SYSTEM TOTAL NO. of Services	Average Service Length
2022	Cascade Natural Gas Corporation	5029.33	3,055.09	235,487	68.5
2021	Cascade Natural Gas Corporation	4977.34	3,036.42	232,688	68.9
2020	Cascade Natural Gas Corporation	4893.27	3,003.39	224,967	70.49
2019	Cascade Natural Gas Corporation	4800.62	2,972.17	224,507	69.9
2018	Cascade Natural Gas Corporation	4932.74	2,947.65	221,925	70.13
2017	Cascade Natural Gas Corporation	4862.98	2,909.54	217,968	70.48
2016	Cascade Natural Gas Corporation	4805.37	5,781.31	214,967	142
2015	Cascade Natural Gas Corporation	4744	6,064.34	212,051	151

Annual Report GAS Transmission Miles

YEAR	Total Total Miles	e. Total tool mileage inspected in calendar year using in-line inspection tools
2022	117.283	1.666
2021	120.941	0
2020	146.288	0
2019	162.8	0
2019	162.8	0
2018	164.9	0
2015	168.5	0
2016	168.39	0
2017	167.25	0
TOT	1379.152	1.666

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
2022	Cascade Natural Gas Corporation	76	42	1181	172	74
2021	Cascade Natural Gas Corporation	89	52	888	142	129

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
2020	Cascade Natural Gas Corporation	61	36	1059	211	347
2019	Cascade Natural Gas Corporation	63	46	1175	212	452
2018	Cascade Natural Gas Corporation	120	58	1227	157	426
2017	Cascade Natural Gas Corporation	91	31	1361	170	339
2016	Cascade Natural Gas Corporation	125	50	1792	170	538
2015	Cascade Natural Gas Corporation	96	33	2013	194	294

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:
Cascade Natural Gas Corporation	2022	2602	42,197	37			1167
Cascade Natural Gas Corporation	2021			3111	38,858	62	1130
Cascade Natural Gas Corporation	2020			2586	34,396	100	1009
Cascade Natural Gas Corporation	2019			3149	30,691	71	870
Cascade Natural Gas Corporation	2018		0	4055	26,793	118	610
Cascade Natural Gas Corporation	2017			3517	22,251	48	450
Cascade Natural Gas Corporation	2016	2616	18,526				
Cascade Natural Gas Corporation	2015	1742	15,223				
Cascade Natural Gas Corporation	2014	1216	12,761				
Cascade Natural Gas Corporation	2013	1810	11,309				
Cascade Natural Gas Corporation	2012	1639	9062				
Cascade Natural Gas Corporation	2011	750	6922				
Cascade Natural Gas Corporation	2010	2464	6172				
TOT		14,839	122,172	16,455	152,989	399	5236

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	1960-196
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	YEAR
No Report records found									
No Report									

ANNUAL REPORT: ACCURACY/TRENDS

Question #1.

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

1. Result

Satisfactory

1. Notes

2021 annual report was reviewed. It was noted in annual reports 2020 and 2021 there is a category under B.2 and B.3 for material for mains and services called "other". CNGC has 110.27 miles of main and 1448 services of an "other" material.

Access to Complete Distribution Annual Report

Year	Operator	SYSTEM TOTAL Miles of Main	Miles of Service	SYSTEM TOTAL NO. of Services	Average Service Length
2022	Cascade Natural Gas Corporation	5029.33	3,055.09	235,487	68.5
2021	Cascade Natural Gas Corporation	4977.34	3,036.42	232,688	68.9

Access to Complete Transmission Annual Report

YEAR	Operator	Commodity Group	Total Total Miles
Cascade Natural Gas Corporation (9 Report records)			
2022	Cascade Natural Gas Corporation	Natural Gas	117.283
2021	Cascade Natural Gas Corporation	Natural Gas	120.941

Access to Complete Hazardous Liquid Annual Report

YEAR	Operator	Commodity Group
No Report records found		

Year	Operator	SYSTEM TOTAL Miles of Main	Miles of Service	SYSTEM TOTAL NO. of Services	Average Service Length
2020	Cascade Natural Gas Corporation	4893.27	3,003.39	224,967	70.49
2019	Cascade Natural Gas Corporation	4800.62	2,972.17	224,507	69.9
2018	Cascade Natural Gas Corporation	4932.74	2,947.65	221,925	70.13
2017	Cascade Natural Gas Corporation	4862.98	2,909.54	217,968	70.48
2016	Cascade Natural Gas Corporation	4805.37	5,781.31	214,967	142
2015	Cascade Natural Gas Corporation	4744	6,064.34	212,051	151

YEAR	Operator	Commodity Group	Total Total Miles
2020	Cascade Natural Gas Corporation	Natural Gas	146.288
2019	Cascade Natural Gas Corporation	Natural Gas	162.8
2019	Cascade Natural Gas Corporation	Natural Gas	162.8
2018	Cascade Natural Gas Corporation	Natural Gas	164.9
2015	Cascade Natural Gas Corporation	Natural Gas	168.5
2016	Cascade Natural Gas Corporation	Natural Gas	168.39
2017	Cascade Natural Gas Corporation	Natural Gas	167.25

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
2022	Cascade Natural Gas Corporation	61,696	176	12	77	85	2	235,487	33	378	5029.33	0.5
2021	Cascade Natural Gas Corporation	64,556	173	16	92	64	1	232,688	49	141	4977.34	0.7
2020	Cascade Natural Gas Corporation	61,556	184	7	102	73	2	224,967	119	70	4893.27	1
2019	Cascade Natural Gas Corporation	61,553	204	3	115	79	7	224,507				
2018	Cascade Natural Gas Corporation	59,628	231	16	103	111	1	221,925				
2017	Cascade Natural Gas Corporation	52,697	149	5	67	65	12	217,968				
2016	Cascade Natural Gas Corporation	46,819	187	27	78	70	12	214,967				
2015	Cascade Natural Gas Corporation	43,292	173	5	80	71	17	212,051				

DIRT data on mismarks for prior year

Company - Name	Cascade Natural Gas Corporation	Totals
Damage Cause	Number of Reports	Number of Reports
<u>Facility marked inaccurately due to incorrect facility record/maps</u>	4	4
<u>Facility marked inaccurately due to locator error</u>	14	14
<u>Facility marked inaccurately due to tracer wire issue</u>	1	1
<u>Facility not marked due to abandoned facility</u>	1	1
<u>Facility not marked due to incorrect facility records/maps</u>	9	9
<u>Facility not marked due to locator error</u>	13	13
<u>Facility not marked due to tracer wire issue</u>	2	2
<u>Facility not marked due to unlocatable facility</u>	8	8
<u>Marked inaccurately due to Abandoned Facility</u>	1	1
<u>Marked inaccurately due to Locator error</u>	1	1
<u>No response from operator/contract locator</u>	1	1
<u>Not marked due to Incorrect facility records/maps</u>	1	1
<u>Not marked due to Locator error</u>	4	4
<u>Not marked due to Tracer wire issue</u>	1	1
<u>Site marked but incomplete at damage location</u>	1	1
Totals (15 groups)	62	62

DIRT Timeliness - Prior Year Reports must be submitted within 45 days

Late	no	yes
SubmitCompanyID - UTCfinalName	Number of Reports	Number of Reports
<u>Cascade Natural Gas Corporation</u>	160	
Totals (2 groups)	160	

Question #2.

Review the following damage prevention items:

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

Yes

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

Yes

Q2.d Does the operator follow a process to evaluate the cause of "Locating practices not sufficient" category?
Yes OPS 611 Line locating and marking Section 8

Q2.e. Is the operator or its contractor qualified and following procedure
yes, CNGC does locating with CNGC personnel

Q2.g. What is the number of damages resulting from mismarks?
16 locating practices not sufficient

Q2.h. What is the number of damages resulting from not locating with
16 locating practices not sufficient

Q2.j. Are mapping corrections timely and according to written procedures?
yes Shelton unit mapping errors were fixed in a timely manner

Q2.k. Does the operator follow a process to evaluate causes for damages?
OPS 614 PA/DP Section 4 Damage investigation

2. Notes

Note: OPS 614, MDU wide--procedure does require investigation into all damages.
CGA sub categories for locating practices not sufficient

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? Satisfactory

3. Result

3. Notes

submitted 3/14/22

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

July 8, 2021 unintentionally release of > 3.0MM cubic feet
Aug 8, 2021 house explosion in Walla Walla, recinded
No trends noted

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

It appears the operator is performing an investigation into the incidents noted below. The required 30-d report on the incident investigation was received as noted below for all reportable incidents. A complete review of each incident was not conducted. A review of a random sample of incidents noted the operator performed a cause investigation.

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

6. Result

Satisfactory

NotificationID	Inspector	Company	Street Address of event/incident	Date & Time of Incident	Is 30-Day Report Received?	Reporting Level
4220	David Cullom	Cascade Natural Gas Corporation	20923 66th Ave NE	08-10-2023 10:36 AM	<input type="checkbox"/>	State
4206	Lex Vinsel	Cascade Natural Gas Corporation	937 Alpine Way - Unit B	07-17-2023 12:13 PM	<input checked="" type="checkbox"/>	State
4204	Derek Norwood	Cascade Natural Gas Corporation	Crosswind Dr	07-12-2023 03:05 PM	<input checked="" type="checkbox"/>	State
4191	Lex Vinsel	Cascade Natural Gas Corporation	104 12th St.	06-11-2023 03:00 PM	<input type="checkbox"/>	Non-Reportable
4190	David Cullom	Cascade Natural Gas Corporation	2711 178th PL NE	06-06-2023 03:08 AM	<input checked="" type="checkbox"/>	State
4177	Lex Vinsel	Cascade Natural Gas Corporation	1414 4th St	05-08-2023 06:52 PM	<input checked="" type="checkbox"/>	State
4183	David Cullom	Cascade Natural Gas Corporation	2013 Saint Rd	04-29-2023 08:30 PM	<input checked="" type="checkbox"/>	State
4176	Scott Anderson	Cascade Natural Gas Corporation	1511 Perry Ave	04-27-2023 11:31 AM	<input checked="" type="checkbox"/>	State
4175	Scott Anderson	Cascade Natural Gas Corporation	1146 15th Ave	04-25-2023 07:39 AM	<input checked="" type="checkbox"/>	State
4174	David Cullom	Cascade Natural Gas Corporation	R-128 Regulator Station	04-23-2023 07:48 AM	<input type="checkbox"/>	State
4166	Scott Anderson	Cascade Natural Gas Corporation	1002 N 1st. Ave	03-29-2023 01:45 AM	<input checked="" type="checkbox"/>	Non-Reportable
4167	Scott Anderson	Cascade Natural Gas Corporation	538 Potato Frontage Rd SE	03-28-2023 08:40 PM	<input type="checkbox"/>	Non-Reportable
4165	David Cullom	Cascade Natural Gas Corporation	Court and 26th St	03-22-2023 02:44 PM	<input checked="" type="checkbox"/>	State
4163	David Cullom	Cascade Natural Gas Corporation	Track and Meyers Rd	03-18-2023 07:15 PM	<input checked="" type="checkbox"/>	State
4161	Anthony Dorrrough	Cascade Natural Gas Corporation	808 Adams Dr	03-15-2023 02:13 PM	<input checked="" type="checkbox"/>	State
4160	Derek Norwood	Cascade Natural Gas Corporation	210 Bayside Rd	03-12-2023 10:43 PM	<input checked="" type="checkbox"/>	State
4158	Lex Vinsel	Cascade Natural Gas Corporation	18111 25th Ave NE Apartment #101	03-06-2023 05:08 PM	<input checked="" type="checkbox"/>	State
4148	Derek Norwood	Cascade Natural Gas Corporation	7123 197th PI NE	02-16-2023 09:00 AM	<input checked="" type="checkbox"/>	State
4149	Scott Anderson	Cascade Natural Gas Corporation	830 Ocean Beach Hwy	02-13-2023 11:25 AM	<input checked="" type="checkbox"/>	State
4145	Lex Vinsel	Cascade Natural Gas Corporation	810 Madison Ave	02-08-2023 11:53 AM	<input checked="" type="checkbox"/>	State
4142	Derek Norwood	Cascade Natural Gas Corporation	Sundance Rd	02-01-2023 09:50 AM	<input checked="" type="checkbox"/>	State
4138	Derek Norwood	Cascade Natural Gas Corporation	516 E Main St	01-30-2023 05:46 PM	<input checked="" type="checkbox"/>	State
4134	David Cullom	Cascade Natural Gas Corporation	1981 NE Stiles Rd	01-17-2023 10:38 AM	<input checked="" type="checkbox"/>	State
4131	Scott Anderson	Cascade Natural Gas Corporation	2057 SE Polar Star Way	01-10-2023 01:04 PM	<input checked="" type="checkbox"/>	State
4127	Derek Norwood	Cascade Natural Gas Corporation	904 Whitman St	12-28-2022 11:27 AM	<input type="checkbox"/>	Non-Reportable
4123	Scott Anderson	Cascade Natural Gas Corporation	2609 Terrace Heights Dr	12-22-2022 08:55 AM	<input checked="" type="checkbox"/>	State
4122	Scott Anderson	Cascade Natural Gas Corporation	1725 S Burlington Blvd.	12-22-2022 08:22 AM	<input checked="" type="checkbox"/>	State
4121	Scott Anderson	Cascade Natural Gas Corporation	between 91st & 93rd Ave	12-22-2022 08:00 AM	<input checked="" type="checkbox"/>	State
4120	Scott Anderson	Cascade Natural Gas Corporation	100 W. Lincoln Ave	12-20-2022 06:08 PM	<input type="checkbox"/>	Non-Reportable
4119	Scott Anderson	Cascade Natural Gas Corporation	101 Cheyne Rd.	12-20-2022 12:53 PM	<input checked="" type="checkbox"/>	State
4117	Scott Anderson	Cascade Natural Gas Corporation	600 County Shop Ln	12-20-2022 07:30 AM	<input checked="" type="checkbox"/>	State
4113	Lex Vinsel	Cascade Natural Gas Corporation	intersection of W 3rd St & Jackson St	12-15-2022 08:25 AM	<input checked="" type="checkbox"/>	State
4105	Dennis Ritter	Cascade Natural Gas Corporation	500 Tenant Way	11-19-2022 06:30 AM	<input type="checkbox"/>	Non-Reportable
4100	David Cullom	Cascade Natural Gas Corporation	2156 West Margaret Ln	11-06-2022 01:30 AM	<input checked="" type="checkbox"/>	State
4091	David Cullom	Cascade Natural Gas Corporation	310 West Second St	10-23-2022 01:30 PM	<input checked="" type="checkbox"/>	State
4086	Derek Norwood	Cascade Natural Gas Corporation	2801 River Rd	10-10-2022 08:04 AM	<input type="checkbox"/>	Non-Reportable
4073	David Cullom	Cascade Natural Gas Corporation	Fruitdale Rd Gate Station	09-08-2022 10:22 AM	<input checked="" type="checkbox"/>	State
4065	Anthony Dorrrough	Cascade Natural Gas Corporation	5078 Mile Hill Drive	08-22-2022 01:03 PM	<input checked="" type="checkbox"/>	State
4063	Darren Tinnerstet	Cascade Natural Gas Corporation	Stanefer St. and Valley Mall Parkway	08-16-2022 08:02 AM	<input checked="" type="checkbox"/>	State
4058	Scott Anderson	Cascade Natural Gas Corporation	Hagar Ave & Bonnie Doon Ave	08-10-2022 10:30 AM	<input checked="" type="checkbox"/>	State
4056	Scott Anderson	Cascade Natural Gas Corporation	40405 S. Finley Rd	08-08-2022 01:00 PM	<input checked="" type="checkbox"/>	State
4057	Scott Anderson	Cascade Natural Gas Corporation	300 Fibre Way	08-07-2022 07:04 AM	<input type="checkbox"/>	Non-Reportable
4047	Dennis Ritter	Cascade Natural Gas Corporation	Laconner Whitney Rd at Chilberg Rd	07-27-2022 05:00 AM	<input checked="" type="checkbox"/>	State
4041	David Cullom	Cascade Natural Gas Corporation	3033 Birchwood Ave.	07-14-2022 10:42 AM	<input checked="" type="checkbox"/>	State
4039	David Cullom	Cascade Natural Gas Corporation	605 and 607 South Pleasant Ave	07-13-2022 02:50 PM	<input checked="" type="checkbox"/>	State
4037	David Cullom	Cascade Natural Gas Corporation	802 South 59th Street	07-11-2022 10:00 PM	<input type="checkbox"/>	Non-Reportable
4032	Anthony Dorrrough	Cascade Natural Gas Corporation	1502 S Vancouver St	06-24-2022 12:30 PM	<input type="checkbox"/>	Non-Reportable
4025	Darren Tinnerstet	Cascade Natural Gas Corporation	23961 NE State Hwy 3	06-16-2022 09:30 PM	<input type="checkbox"/>	Non-Reportable
4023	Darren Tinnerstet	Cascade Natural Gas Corporation	1210 Ahtanum Dr.	06-14-2022 10:24 AM	<input checked="" type="checkbox"/>	State
4022	Derek Norwood	Cascade Natural Gas Corporation	610 Yakima St	06-09-2022 01:34 PM	<input checked="" type="checkbox"/>	State

NotificationID	Inspector	Company	Street Address of event/incident	Date & Time of Incident	Is 30-Day Report Received?	Reporting Level
4031	Dennis Ritter	Cascade Natural Gas Corporation	1643 Vasquez Way	06-02-2022 06:56 PM	✓	State
4009	Derek Norwood	Cascade Natural Gas Corporation	Burden Blvd and Road 60 Dr	04-15-2022 06:30 AM	✓	State
4007	Derek Norwood	Cascade Natural Gas Corporation	Burden Blvd & Road 60 Dr	04-13-2022 08:28 AM	✓	State
3997	Lex Vinsel	Cascade Natural Gas Corporation	111 5th Ave	04-01-2022 11:06 AM	✓	State
3998	Lex Vinsel	Cascade Natural Gas Corporation	1319 & 1/2 Landon Ave	03-30-2022 05:26 PM	✓	State
3992	Scott Anderson	Cascade Natural Gas Corporation	125 SW 4th St	03-15-2022 02:10 PM	✓	State
3991	Scott Anderson	Cascade Natural Gas Corporation	1116 15th Ave	03-15-2022 10:29 AM	✓	State
3978	Scott Anderson	Cascade Natural Gas Corporation	2109 Lancaster Way	01-17-2022 08:38 AM	✓	State
3977	Scott Rukke	Cascade Natural Gas Corporation	8400 207th St NE	01-10-2022 01:14 PM	✓	State
3975	Darren Tinnerstet	Cascade Natural Gas Corporation	307 Avenue D	01-08-2022 03:44 AM	✓	State
3972	Darren Tinnerstet	Cascade Natural Gas Corporation	2768 Bucklin Hill Rd.	01-03-2022 11:30 AM	✓	State
3970	Anthony Dorrough	Cascade Natural Gas Corporation	S Birch Bay-Lynden R	01-01-2022 11:30 PM	✓	State

6. Notes

no trends noted in reviewing a sample of total.

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. Result
Not Applicable

7. Notes

None for 2021

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 2021

8. Result
Not Applicable

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

Yes there were MANY changes to the CNGC O&M. CNGC is transitioning to MDU's new OPS manual which is MDU company wide.

Question #10.

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

10. Result

Not Checked/Evaluated

10. Notes

Did not check all the new OPS procedures. Will be reviewed during next O&M procedures inspection.

Question #11.

Were emergency plans changed during the previous year?

11. Result

Satisfactory

11. Notes

OPS 613 3/1/22 new

Question #12.

Were any changes to emergency plans satisfactory?

12. Result

Satisfactory

12. Notes

INTEGRITY MANAGEMENT PROGRAMS

Question #13

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

13. Result

Satisfactory

13. Notes

TIMP OPS 900 2/24/21-new TIMP manual. Review will be completed during next TIMP inspection

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

DIMP OPS 1000 implemented 6/1/2021

Changes noted in Appendix I of DIMP. Will be reviewed during next DIMP inspection

Question #15

Are IMP program changes acceptable?

15. Result

Satisfactory

15. Notes

A cursory review indicates similarities with previous procedures. A thorough review will be conducted during next TIIMP/DIMP programmatic inspection

Question #16

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

16. Results
Satisfactory

16. Notes

No TIMP assessments were conducted in 2021.

DIMP work included SSIP (this is the pipeline replacement program) projects and MAOP validation projects are on going. Currently SSIP projects are in Shelton and design in progress for other CNGC districts--Aberdeen, Wenatchee.

Question #17

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

17. Results
Not
Checked/Evaluated

17. Notes

Cannot evaluate UTC GIS against operators as UTC GIS does not have HCAs and is not kept up to date.

Question #18

What assessment work is planned for the upcoming year?

18. Results
Satisfactory

18. Notes

CNGC is planning to conduct inline Robotic Inspection of HCA 171416-01 in Sedro Woolley.

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

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

Question #21

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

21. Results
Not Applicable

21. Notes

No history of plastic pipe components at CNGC with a record of defects/leaks

Question #22

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

22. Results
Satisfactory

22. Notes

MAOP validation on going (UTC gets status reports); pipeline replacement program--SSIP System Safety and Integrity Program

Question #23

What DIMP remediation work is anticipated for upcoming year?

23. Results
Satisfactory

23. Notes

MAOP validation on going (UTC gets status reports); pipeline replacement program--SSIP

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

OPS 800 6/9/22 Last major revision in 2021 adopted Integrated Covered Task List (Rev 16)

Question #25

Are the OQ plan updates satisfactory?

25. Results
Satisfactory

25. Notes

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

Checked OQs of CNGC personnel during Shelton unit inspection. All personnel checked were properly OQ'd. Covered tasks included: Sniff testing; valve inspection, regulator inspection/maintenance, redifier inspection, PSP reads, patrolling, leak surveys, leak investigation.

Contractor's OQs are checked during UTC random crew inspections on a regular basis

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

OPS 616 4/29/22 new procedure

PA plan will be reviewed during next PA inspection in 9/2022.

Question #28

Are changes to the PA program satisfactory?

28. Results
Not Checked/Evaluated

28. Notes

Will be checked during PA inspection 9/22

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

OPS 631 1/24/22 new procedure

Question #30

Are the CRM program changes satisfactory?

30. Notes

This is a new procedure and will be reviewed during next control room inspection.

30. Results

Not Checked/Evaluated

SAFETY MANAGEMENT SYSTEM API 1173

Question #31

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

31. Results

31. Notes

Yes CNGC/MDU implemented a SMS in 2019. ACE Achieving Continuous Excellence.

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

Including Shelton in Aberdeen district.

Including Moses Lake into Wenatchee district.

Even out the timing for district inspections so have about same number each year.

Q32: List of current inspection units

Unit Name	Distribution/Transmission	Intrastate or Interstate?	GAS or LIQUID	UTC Unit ID	UTC Operator ID
Cascade Natural Gas Corporation (14 Unit records)					
CNG- Yakima District	Distribution	Intrastate	Gas	1916	110
CNG- Wenatchee District- Wenatchee	Distribution	Intrastate	Gas	1918	110
CNG- Bremerton District	Distribution	Intrastate	Gas	1919	110
CNG- Longview District	Distribution	Intrastate	Gas	1920	110
CNG- Aberdeen District	Distribution	Intrastate	Gas	1921	110
CNG- Kennewick District	Distribution	Intrastate	Gas	1922	110
CNG- Walla Walla District	Distribution	Intrastate	Gas	1923	110
CNG- Mount Vernon District	Distribution	Intrastate	Gas	1924	110
CNG- Bellingham South	Distribution	Intrastate	Gas	1925	110
CNG- Transmission	Transmission	Intrastate	Gas	1877	110
CNG- Headquarters	Distribution	Intrastate	Gas	75	110
CNG- Moses Lake	Distribution	Intrastate	Gas	1917	110
CNG- Sunnyside	Distribution	Intrastate	Gas	1779	110
CNG - Bellingham North	Distribution	Intrastate	Gas	1967	110

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.B Damage Prevention ; Q33.D How to get additional information ; Q33.F On Call Requirements ; Q33.G Potential Hazards ; Q33.H Prevention Measures ; Q33.I Leak/Damage Recognition ; Q33.M Emergency Preparedness

33. Notes

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. Notes

Operator is aware of ADB 2019-01

OPS 610 Patrolling is referenced in this procedure--eg Camano Is 6" exposure

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. Notes

OPS 610 Patrolling is referenced in this procedure--eg Camano Is 6" exposure

Question #36

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

ADB 2019-02

34. Results

YES

35. Results

Satisfactory

36. Results

ADB 2019-02: Earth Movement/Geological Hazards

YES

36. Notes

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

OPS 610 Patrolling 2019-05-02 is referenced in this procedure

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
NO

38. Notes

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
Not
Applicable

39. Notes

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
Not
Applicable

40. Notes

Question #41

Does the operator have any low pressure systems?

ADB 2020-02

ADB 2020-02 Low Pressure Systems

41. Results
NO

41. Notes

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

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

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

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.