

Results and Notes Review

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Records : Reporting (PRR.REPORT)

Question Title, ID Mechanical Fitting Failures - Information Collection (Data) , GDIM.RR.MECHANICALFITTINGDATAIMPL.R
(also presented in: GDIM.IMPL)
Question Text Have accurate records been maintained documenting mechanical fitting failures that resulted in hazardous leaks?
References 192.1009 (191.12)
Result Sat
Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)
Result Notes Annual Mechanical Fitting failures are recorded and supplied with the annual report. 2014 in 2015 etc. Note no mechanical fitting failures in 2016.

Gas Distribution Integrity Management : Plan Implementation (GDIM.IM)

Question Title, ID Plan Implementation - Implement Date , GDIM.QA.PLANIMPLEMENT.P
Question Text Was the plan written and implemented per the requirement of 192.1005 by 08/02/2011?
References 192.1005
Result Sat
Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)
Result Notes DIMP program was implemented on Aug 1, 2011.

Question Title, ID Plan Implementation - Data Sources , GDIM.RA.SOURCES.P
Question Text Do the procedures identify or reference the appropriate sources used to determine certain characteristics (e.g., Design, Operating Conditions, Operating Environmental Factors) necessary to assess the threats and risks to the pipeline?
References 192.1007(a)(1)
Result Sat
Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)
Result Notes NWN uses their GIS system as system of record retention. GIS is their record. All Factors are then taken from the GIS system.

Gas Distribution Integrity Management : Knowledge of the System (GDIM.KN)

Question Title, ID System Knowledge - Implementation , GDIM.RA.DEMOKNOWLEDGE.R
Question Text Do records demonstrate implementation of the element "Knowledge of the System"?
References 192.1007(a)
Result Sat
Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)
Result Notes Knowledge of system is demonstrated. All material characteristics and as builds are available through the GIS system.

Question Title, ID System Knowledge - Understanding , GDIM.RA.DEMOUNDERSTANDING.R
Question Text Has the operator demonstrated an adequate understanding of the system?
References 192.1007(a)
Result Sat

Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)

Result Notes Knowledge of system is demonstrated. All material characteristics and as builds are available through the GIS system.

Question Title, ID System Knowledge - Gaps , GDIM.RA.GAPS.P

Question Text Does the plan contain procedures to identify additional information that is needed to fill gaps due to missing, inaccurate, or incomplete records?

References 192.1007(a)(3)

Result Sat

Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)

Result Notes DIMP Section 5 KNOWLEDGE OF FACILITIES PAGE 19, THIRD BULLET DOWN

Question Title, ID System Knowledge - Information Needed , GDIM.RA.INFONEEDS.P

Question Text Do the procedures specify the means to collect the additional information needed to fill gaps due to missing, inaccurate, or incomplete records (e.g., O&M activities, field surveys, One-Call System, etc.)?

References 192.1007(a)(3)

Result Sat

Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)

Result Notes DIMP Section 5 Knowledge of Facilities Page 19, Third Bullet Down

Question Title, ID System Knowledge - Information Needed , GDIM.RA.INFONEEDS.R

Question Text Does the plan list the additional information needed to fill gaps due to missing, inaccurate, or incomplete records?

References 192.1007(a)(3)

Result Sat

Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)

Result Notes DIMP Section 5.4 Data Capture for New Construction and ongoing O&M

Question Title, ID System Knowledge - Information Considered , GDIM.RA.INFORMATION.P

Question Text Do the procedures require the consideration of information gained from past design, operations, and maintenance (e.g. O&M activities, field surveys, One-Call system information, excavation damage, etc.)?

References 192.1007(a)(2)

Result Sat

Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)

Result Notes Historical date is entered into the GIS data and DIMP Section 5.3 Missing Data describes a procedure for collecting missing data.

Question Title, ID System Knowledge - New Pipe Data , GDIM.RA.NEWPIPEDATA.P

Question Text Do the procedures require the capture and retention of data on any new pipeline installed?

References 192.1007(a)(5)

Result Sat

Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)

Result Notes ppendis DIMP 3/2017 Section 5.4 Data Capture for New Construction and Ongoing O&M - See Appendix A-2 for list of attributes for distribution mains and services.

Question Title, ID System Knowledge - New Pipe Data , GDIM.RA.NEWPIPEDATA.R

Question Text Does the data required for capture and retention include, at a minimum, the location where the new pipeline is installed and the material from which it is constructed?

References 192.1007(a)(5)

Result Sat

Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)

Result Notes Reviewed sample of records with the GIS system.

Gas Distribution Integrity Management : Identify Threats (GDIM.TH)

Question Title, ID Identify Threats - Implementation , GDIM.RA.IMPLEMENTTH.R

Question Text Do records demonstrate implementation of the element "Identify Threats"?

References 192.1007(b)
Result Sat
Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)
Result Notes DIMP Section 6.0 Threat Identification.

Question Title, ID Identify Threats - Information Considered , GDIM.RA.INFOCONSIDERED.P

Question Text Did the operator consider the information that was reasonably available to identify existing and potential threats?

References 192.1007(b)
Result Sat
Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)
Result Notes DIMP Section 6.0 Threat Identification.

Question Title, ID Identify Threats - Information Considered , GDIM.RA.INFOCONSIDERED.R

Question Text In identifying threats did the information considered include all of the required data and information sources?

References 192.1007(b)
Result Sat
Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)
Result Notes Threats to be considered are all listed in Section 6 Threat Identification

Question Title, ID Identify Threats - Outside Sources , GDIM.RA.OUTSIDESOURCES.P

Question Text Do the procedures consider, in addition to the operator's own information, data from external sources (e.g. trade associations, government agencies, or other system operators, etc.) to assist in identifying potential threats?

References 192.1007(b)
Result Sat
Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)
Result Notes DIMP Section 6.1.3 Threat Identification from External Sources

Question Title, ID Identify Threats - Threats Considered , GDIM.RA.THREATCATEGORIES.P

Question Text In identifying threats, do the procedures include consideration of all of the required threat categories to each gas distribution pipeline?

References 192.1007(b)
Result Sat
Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)
Result Notes DIMP Section 6.0 Threat Identification appears adequate.

Gas Distribution Integrity Management : Evaluate and Rank Risk (GDIM.RR)

Question Title, ID Rank Risk - Consequences , GDIM.RA.CONSEQUENCE.P

Question Text Do the procedures to evaluate and rank risk consider the potential consequence of failure for all applicable threats?

References 192.1007(c)
Result Sat
Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)
Result Notes DIMP Appendix C-2 show the likelihood of Failure x Consequence = Risk Score

Question Title, ID Rank Risk - Implementation , GDIM.RA.IMPLEMENTRR.R

Question Text Do records demonstrate implementation of the element "Evaluate and Rank Risk"?

References 192.1007(c)
Result Sat
Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)
Result Notes DIMP Appendix C-2 show the Risk algorithm currently in use by NWN.

Question Title, ID Rank Risk - Likelihood , GDIM.RA.LIKELIHOOD.P

Question Text Do the procedures to evaluate and rank risk consider the likelihood of failure associated with each threat?

References 192.1007(c)

Result Sat

Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)

Result Notes DIMP Appendix C-2 show the likelihood of Failure x Consequence = Risk Score

Question Title, ID Rank Risk - Results , GDIM.RA.RESULTS.R

Question Text Are the results of the risk ranking supported by the risk evaluation model/method?

References 192.1007(c)

Result Sat

Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)

Result Notes NWN GIS system is their system of record. Observed the GIS system that showed the various categories of risk ranking. Such as High risk under railroad tracks.

Question Title, ID Rank Risk - Validation , GDIM.RA.RESULTSVALIDATION.R

Question Text Did the operator validate the results generated by the risk evaluation model/method?

References 192.1007(c)

Result Sat

Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)

Result Notes NWN DIMP Section 7.4 is the risk evaluation and page 45 Figure 7-0 illustrates the procedure to validate the DIMP Risk Model

Question Title, ID Rank Risk - Methodology , GDIM.RA.RISKRANKING.P

Question Text Do the procedures contain the method(s) used to determine the relative importance of each threat and estimate and rank the risks posed?

References 192.1007(c)

Result Sat

Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)

Result Notes DIMP Appendix C-2 show the likelihood of Failure x Consequence = Risk Score

Question Title, ID Rank Risk - System Subdivision , GDIM.RA.SUBDIVIDE.R

Question Text If subdivision of system occurs, does the plan subdivide the system into regions with similar characteristics and for which similar actions are likely to be effective in reducing risk?

References 192.1007(c)

Result Sat

Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)

Result Notes Classes of system is subdivided by the risk rank, and is visible on the GIS system.

Question Title, ID Rank Risk - Threats Considered , GDIM.RA.THREATSCONSIDERED.P

Question Text Do the procedures to evaluate and rank risk consider each applicable current and potential threat?

References 192.1007(c)

Result Sat

Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)

Result Notes DIMP Appendix C-2 Risk Algorithmshow the likelihood of Failure x Consequence = Risk Score

Gas Distribution Integrity Management : Preventive and Mitigative Actions (GDIM.PM)

Question Title, ID Measures to Reduce Risk - Identification , GDIM.PM.IDENTIFYMEASURES.P

Question Text Does the plan include procedures to identify when measures, beyond minimum code requirements specified outside of Part 192 Subpart P, are required to reduce risk?

References 192.1007(d)

Result Sat+

Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)

Result Notes Atmospheric Corrosion and Leak surveys are both conducted on a three year cycle making the leak Surveys more often than the 5 year cycle required.

Question Title, ID Measures to Reduce Risk - Identification , GDIM.PM.IDENTIFYMEASURES.R

Question Text When measures, beyond minimum code requirements specified outside of Part 192 Subpart P, are required to reduce risk, does the plan identify the measures selected, how they will be implemented, and the risks they are addressing?

References 192.1007(d)

Result Sat

Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)

Result Notes Atmospheric Corrosion and Leak surveys are both conducted on a three year cycle making the leak Surveys more often than the 5 year cycle required.

Question Title, ID Measures to Reduce Risk - Implementation , GDIM.PM.IMPLEMENTPM.R

Question Text Do records demonstrate implementation of the measures, required by Part 192 Subpart P, to reduce risk?

References 192.1007(d)

Result Sat

Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)

Result Notes Implementation of measures is shown in NWN DIMP appendix D table D-1.

Question Title, ID Measures to Reduce Risk - Leak Management , GDIM.PM.LEAKMANAGEMENT.P

Question Text Does the plan include an effective leak management program (unless all leaks are repaired when found)?

References 192.1007(d)

Result Sat

Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)

Result Notes Leakage Program is part of standard practices. See Standard Practice SPW 707.

Gas Distribution Integrity Management : Measure Performance and Evaluate Effectiveness (GDIM.EV)

Question Title, ID Measure Performance - Implementation , GDIM.QA.IMPLEMENTEV.R

Question Text Do records demonstrate implementation of the element "Measure Performance, Monitor Results, and Evaluate Effectiveness"?

References 192.1007(e)

Result Sat

Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)

Result Notes DIMP Appendix E-1 performance Measures for Code Requirements and A/A Action.

Question Title, ID Measure Performance - Measure Effectiveness , GDIM.QA.MEASUREEFFECTIVENESS.P

Question Text When measures are required to reduce risk, do the procedures provide how their effectiveness will be measured?

References 192.1007(e)

Result Sat

Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)

Result Notes DIMP Section 9.0 measurement of Performance, monitoring results, and evaluation effectiveness.

Question Title, ID Measure Performance - Baseline , GDIM.QA.PERFMEASUREBASELINE.P

Question Text Does the plan contain procedures for how the operator established a baseline for each performance measure?

References 192.1007(e)

Result Sat

Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)

Result Notes . DIMP Section 9.0 measurement of Performance, monitoring results, and evaluation effectiveness.

Question Title, ID Measure Performance - Baseline , GDIM.QA.PERFMEASUREBASELINE.R

Question Text Does the plan establish a baseline for each performance measure?

References 192.1007(e)

Result Sat

Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)
Result Notes DIMP Section 9.0 measurement of Performance, monitoring results, and evaluation effectiveness.

Question Title, ID Measure Performance - Data Collection , GDIM.QA.PERFMEASUREDATA.P

Question Text Does the operator have procedures to collect the data for each performance measure?

References 192.1007(e)

Result Sat

Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)

Result Notes DIMP Section 9.0 measurement of Performance, monitoring results, and evaluation effectiveness.

Question Title, ID Measure Performance - Monitoring , GDIM.QA.PERFMEASUREMONITOR.P

Question Text Do the procedures require the operator to monitor each performance measure?

References 192.1007(e)

Result Sat

Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)

Result Notes DIMP Section 9.0 measurement of Performance, monitoring results, and evaluation effectiveness.

Gas Distribution Integrity Management : Periodic Evaluation (GDIM.PE)

Question Title, ID Periodic Evaluation - Requirements , GDIM.CA.PERIODICEVAL.P

Question Text Do the procedures for periodic evaluation include all of the requirements of 192.1007(f)?

References 192.1007(f)

Result Sat

Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)

Result Notes Review program annually with a total review every 5 years. See Revision Log Appendix F1

Question Title, ID Periodic Evaluation - Implementation , GDIM.CA.PERIODICEVAL.R

Question Text Do records demonstrate implementation of the element "Periodic Evaluation and Improvement"?

References 192.1007(f)

Result Sat

Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)

Result Notes Review program annually with a total review every 5 years. See Revision Log Appendix F1

Gas Distribution Integrity Management : Reporting (GDIM.RP)

Question Title, ID Report Results - Performance Measures , GDIM.RR.ANNUALREPORT.P

Question Text Does the plan contain or reference procedures for reporting, on an annual basis, the four measures listed in 192.1007(e)(1)(i) through (e)(1)(iv) to PHMSA as part of the annual report required by 191.11 and the State regulatory authority?

References 192.1007(g)

Result Sat

Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)

Result Notes Review program annually with a total review every 5 years. See Revision Log Appendix F1

Question Title, ID Report Results - Submittal , GDIM.RR.SUBMITREPORTS.R

Question Text Has the operator submitted the required reports?

References 192.1007(g)

Result Sat

Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)

Result Notes Annual reports are filed on time.

Gas Distribution Integrity Management : Report Mechanical Fitting Failures (GDIM.MF)

Question Title, ID Mechanical Fitting Failures - Information Collection , GDIM.RR.MECHANICALFITTING.P

Question Text Are there procedures to collect information necessary to comply with the reporting requirements of 192.1009?

References 192.1009

Result Sat

Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)

Result Notes Mechanical fitting failures are submitted with the annual report.

Gas Distribution Integrity Management : Records Required to be Kept (GDIM.RC)

Question Title, ID Records - IM Plans , GDIM.QA.PLANRETENTION.P

Question Text Are there procedures specifying that copies of superseded integrity management plans will be maintained for at least 10 years?

References 192.1011

Result Sat

Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)

Result Notes DIMP Section 12.0 Document and Record Retention -

Question Title, ID Records - Requirements , GDIM.QA.RECORDREQUIREMENTS.P

Question Text Are there procedures specifying which records demonstrating compliance with Subpart P will be maintained for at least 10 years?

References 192.1011

Result Sat

Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)

Question Title, ID Records - Implementation , GDIM.QA.RECORDREQUIREMENTS.R

Question Text Has the operator maintained the required records?

References 192.1011

Result Sat

Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)

Gas Distribution Integrity Management : GDIM Implementation (GDIM.IMPL)

Question Title, ID Periodic Evaluation - Implementation (DIMP Plan) , GDIM.CA.PERIODICEVALDIMPIMPL.R

Question Text Were procedures followed in conducting periodic evaluations and program improvements?

References 192.1007(f)

Result Sat

Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)

Result Notes NWN uses their Management of Change procedure.

Question Title, ID Periodic Evaluation - Implementation (Frequency) , GDIM.CA.PERIODICEVALFREQIMPL.R

Question Text Have periodic evaluations of the DIMP plan been performed on the frequency specified in the plan? [If a periodic evaluation has not been required since plan implementation or the last inspection, mark questions 27-32 as "N/A".]

References 192.1007(f)

Result Sat

Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)

Result Notes Add that evaluations are done annually as per their procedure and recorded in appendix F-1 Revision Log.

Question Title, ID Periodic Evaluation - Implementation (High Risk) , GDIM.CA.PERIODICEVALHIRISKIMPL.R

Question Text If any established performance measures indicated an increase in risk beyond an acceptable level (as established in the DIMP plan), were new risk reduction measures implemented along with their associated performance measures?

References 192.1007(f) (192.1007(e))

Result Sat

Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)

Result Notes None

Question Title, ID Periodic Evaluation - Implementation (Performance Measures) , GDIM.CA.PERIODICEVALPRFMESIMPL.R

Question Text Did the periodic evaluation indicate that the selected performance measures are assessing the effectiveness of risk reduction measures, and, if not, were performance measures modified, deleted or added?

References 192.1007(f)

Result Sat

Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)

Result Notes None

Question Title, ID Periodic Evaluation - Implementation (Requirements) , GDIM.CA.PERIODICEVALREQTSIMPL.R

Question Text Did the periodic evaluation include all required elements?

References 192.1007(f)

Result Sat

Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)

Result Notes Reviewed previous DIMP report.

Question Title, ID Periodic Evaluation - Implementation (Risk Reduction Measures) , GDIM.CA.PERIODICEVALRISKREDIMPL.R

Question Text If the periodic evaluation indicates that implemented measures to reduce risks are NOT effective, were risk reduction measures modified, deleted or added?

References 192.1007(f)

Result Sat

Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)

Result Notes Such occurrences have not occurred, any such changes would be in the change log Appendix F-1.

Question Title, ID Deviation from Periodic Inspections - Corrective Action , GDIM.PI.PERIODICINSPDEVACTIONIMPL.R

Question Text If that an equal or greater overall level of safety has not been achieved, has corrective action been taken?

References 192.1013(c)

Result Sat

Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)

Result Notes No corrective action required.

Question Title, ID Deviation from Periodic Inspections - Approval , GDIM.PI.PERIODICINSPDEVAPPRVIMPL.R

Question Text Has approval been received from PHMSA or the appropriate State Regulatory Authority for alternate (less strict than code) periodic inspection intervals? [If no, mark questions 40-44 "N/A".]

References 192.1013(c)

Result NA

Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)

Result Notes None

Question Title, ID Deviation from Periodic Inspections - Implementation , GDIM.PI.PERIODICINSPDEVPERFRMIMPL.R

Question Text Have the periodic inspections been conducted at the specified alternate intervals?

References 192.1013(c)

Result NA

Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)

Result Notes None

Question Title, ID Deviation from Periodic Inspections - Performance Measures , GDIM.PI.PERIODICINSPDEVPRFMESIMPL.R

Question Text Do performance measure records indicate that an equal or greater overall level of safety has been achieved since the alternate inspection frequency was implemented?

References 192.1013(c)

Result NA

Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)

Result Notes None

Question Title, ID Deviation from Periodic Inspections - Requirements , GDIM.PI.PERIODICINSPDEVREQTIMPL.R

Question Text Have all conditions been complied with that were required as part of the alternate inspection interval approval?

References 192.1013(c)

Result NA

Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)

Result Notes None

Question Title, ID Measures to Reduce Risk - Implementation (Completion) , GDIM.PM.IMPLEMENTPMCOMPLETEIMPL.R

Question Text Have any measures to reduce risks resulting in the elimination/mitigation of the associated identified threat been completed (e.g., pipe replacement program completed, etc.)?

References 192.1007(d)

Result Sat

Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)

Result Notes DIMP Appendix D, chapter 8. Example is pipe replacement program for bare steel completed in 2015.

Question Title, ID Measures to Reduce Risk - Implementation (Update) , GDIM.PM.IMPLEMENTPMIMPL.R

Question Text Does documentation reviewed demonstrate that measures to reduce risks per the DIMP plan are being implemented?

References 192.1007(d)

Result Sat

Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)

Result Notes DIMP Appendix D, chapter 8. Example is pipe replacement program for bare steel completed in 2015.

Question Title, ID Measures to Reduce Risk - Implementation (Re-Evaluate) , GDIM.PM.IMPLEMENTPMREEVALIMPL.R

Question Text If answering "Satisfactory/Yes" to previous question implementation question GDIM.PM.IMPLEMENTPMCOMPLETEIMPL.R, have risks (192.1007(c)) been re-evaluated and ranked because of the elimination/mitigation of an identified threat to ensure that risk reduction measures in place are appropriate?

References 192.1007(d)

Result Sat

Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)

Result Notes After elimination of bare steel they started working on meter protection, gard posts, Also have an ongoing sewer cross bore process.

Question Title, ID Measures to Reduce Risk - Implementation (Specific Risk) , GDIM.PM.IMPLEMENTPMSPECIFRISKIMPL.R

Question Text Does each implemented risk reduction measure identified in the DIMP plan address a specific risk?

References 192.1007(d)

Result Sat

Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)

Result Notes DIMP Section 7.0 Evaluation and Ranking of Risk

Question Title, ID Measures to Reduce Risk - Leak Management , GDIM.PM.LEAKMANAGEMENTIMPL.R

Question Text Can the operator provide documentation to demonstrate that an effective leak management program is being implemented (answer "N/A" if all leaks are repaired when found)?

References 192.1007(d)

Result Sat

Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)

Result Notes Leak management system appears adequate. Appendix E.

Question Title, ID Measure Performance - Implementation (Baseline) , GDIM.QA.IMPLEMENTEVBASELINEIMPL.R

Question Text Is each performance measure being monitored from an established baseline?

References 192.1007(e)
Result Sat
Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)
Result Notes See Appendix E-1

Question Title, ID Measure Performance - Implementation (DIMP) , GDIM.QA.IMPLEMENTEVDATADIMPIMPL.R
Question Text Based on field observations and/or record reviews, is the data used to measure performance being accurately collected in accordance with the procedures in its DIMP plan?

References 192.1007(e)
Result Sat
Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)
Result Notes Record reviewed yearly leak data appears accurate.

Question Title, ID Measure Performance - Implementation (Data) , GDIM.QA.IMPLEMENTEVDATAIMPL.R
Question Text Is data being collected for the required performance measures in 192.1007(e)?

References 192.1007(e)
Result Sat
Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)
Result Notes Record reviewed yearly leak data appears accurate.

Question Title, ID Measure Performance - Implementation (Specific Risk) , GDIM.QA.IMPLEMENTEVRISKIMPL.R
Question Text Is each performance measure added since the DIMP plan was last updated tied to a specific risk reduction measure or group of measures?

References 192.1007(e)
Result NA
Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)
Result Notes No performance measures added since last update.

Question Title, ID Issues Identified in Previous Integrity Management Inspections , GDIM.QA.ISSUESIMPL.R
Question Text Have all issues raised in previous DIMP inspections been satisfactorily addressed?

References 192.1005
Result NA
Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)
Result Notes No issues raised from previous DIMP inspections.

Question Title, ID Records - Implementation (DIMP) , GDIM.QA.RECORDREQTSDIMPIMPL.R
Question Text Were DIMP procedures followed as applicable to records retention?

References 192.1011
Result Sat
Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)
Result Notes DIFMP Distribution Integrity Management Program Section 12.0 Record Retention.

Question Title, ID Records - Implementation (Plan Retention) , GDIM.QA.RECORDREQTSRETAINIMPL.R
Question Text Were copies of superseded DIMP plans retained for 10 years (or since 08/02/2011)?

References 192.1011
Result Sat
Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)
Result Notes NWN keeps all of the previous DIMP plans.

Question Title, ID Records - Implementation , GDIM.QA.RECORDREQUIREMENTSIMPL.R
Question Text Are records retained demonstrating compliance with Subpart P, as specified in its DIMP plan, for 10 years (or since 08/02/2011)?

References 192.1011
Result Sat
Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)
Result Notes NWN keeps all of the previous DIMP plans.

Question Title, ID System Knowledge - Data Collection Forms , GDIM.RA.DATAFORMIMPL.R

Question Text Are data collection forms used in conjunction with the operator's DIMP plan being fully and accurately completed?
References 192.1007(a)
Result Sat
Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)
Result Notes Data forms are provided and filled out by other groups for the use of the DIMP program.

Question Title, ID System Knowledge - Gaps , GDIM.RA.GAPSIMPL.R
Question Text Is missing or incomplete system information and data needed to fill knowledge gaps to assess existing and potential threats being collected?
References 192.1007(a)(3)
Result Sat
Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)
Result Notes NWN Section 5.2 Missing Data.

Question Title, ID Identify Threats - Implementation (Update) , GDIM.RA.IMPLEMENTTHUPDATEIMPL.R
Question Text Since the last DIMP plan review by the regulatory agency, has the threat identification and risk assessment been updated based on newly acquired information or data relevant to system knowledge?
References 192.1007(c)
Result Sat
Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)
Result Notes No specific items have required updating or the threat identification and risk assessment.

Question Title, ID Identify Threats - Implementation (DIMP Process) , GDIM.RA.IMPLEMENTTHUPDATEPLANIMPL.R
Question Text If the threat identification and risk evaluation and ranking have been modified, were the revisions made in accordance with the procedure in the DIMP plan?
References 192.1007(c)
Result NA
Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)
Result Notes NWN has not modified their threat identification and risk evaluation.

Question Title, ID Identify Threats - Information Considered (Changes) , GDIM.RA.INFOCONSIDEREDIMPL.R
Question Text Have any changes occurred that require re-evaluation of threats and risks?
References 192.1007(b)
Result NA
Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)
Result Notes NWN has not modified their threat identification and risk evaluation.

Question Title, ID System Knowledge - New Pipe Data , GDIM.RA.NEWPIPEIMPL.R
Question Text Have required data on any new pipeline installations since August 2, 2011 been captured (e.g., location, wall thickness/SDR, manufacturer, lot/production number)?
References 192.1007(a)(5)
Result Sat
Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)
Result Notes Data collected is shown in Appendix A2 of the DIMP plan.

Question Title, ID System Knowledge - Information Needed (O&M) , GDIM.RA.OMINFONEEDSIMPL.R
Question Text Has any new or missing information identified or acquired during normal operations, maintenance, and inspection activities been incorporated into the DIMP plan?
References 192.1007(a)(3)
Result NA
Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)
Result Notes NWN has not needed to modify their threat identification and risk evaluation.

Question Title, ID Identify Threats - Outside Sources , GDIM.RA.OUTSIDESOURCESIMPL.R
Question Text Has the operator identified information or data from external sources (e.g. trade associations, operator's consultants, government agencies, other operators, manufacturers, etc.) that may require re-evaluation of threats and risks?
References 192.1007(b)

Result Sat
Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)
Result Notes NWN DIMP Section 6.1.3 Threat Identification from External Sources

Question Title, ID System Knowledge - SME Input , GDIM.RA.SMEIMPL.R

Question Text If new Subject Matter Experts (SMEs) input is incorporated into the DIMP plan, do SMEs have the necessary knowledge and/or experience (skills sets) regarding the areas of expertise for which the SME provided knowledge or supplemental information for input into the DIMP plan?

References 192.1007(a)

Result NA

Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)

Result Notes No additional SME input has been incorporated in the DIMP plan.

Question Title, ID Rank Risk - System Subdivision (Adequacy) , GDIM.RA.SUBDIVIDEADEQIMPL.R

Question Text Does the current subdivision process (grouping of materials, geographic areas, etc.) adequately meet the need to properly evaluate and rank the existing and potential threats to the integrity of the system?

References 192.1007(c)

Result Sat

Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)

Result Notes NWN DIMP program appears to be adequate.

Question Title, ID Rank Risk - System Subdivision (DIMP) , GDIM.RA.SUBDIVIDEDIMPIMPL.R

Question Text If system subdivisions have been added or modified, was it done in accordance with the procedures described in the DIMP plan?

References 192.1007(c)

Result NA

Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)

Result Notes No new system subdivision.

Question Title, ID Rank Risk - System Subdivision (Result) , GDIM.RA.SUBDIVIDERESULTIMPL.R

Question Text If system subdivisions have been added or modified, did the new system subdivision result in modifications to the risk evaluation and ranking?

References 192.1007(c)

Result NA

Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)

Result Notes No new system subdivision.

Question Title, ID Rank Risk - System Subdivision (Update) , GDIM.RA.SUBDIVIDEUPDATEIMPL.R

Question Text Have the system subdivisions within the risk evaluation and ranking been added to or modified since the last plan review by the regulatory agency?

References 192.1007(c)

Result NA

Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)

Result Notes No new system subdivision.

Question Title, ID System Knowledge - Information Needed (Systems) , GDIM.RA.SYSINFONEEDSIMPL.R

Question Text Is missing or incomplete system information and data using the procedures prescribed in the DIMP plan being collected?

References 192.1007(a)(3)

Result NA

Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)

Result Notes No current missing or incomplete system information. Data is collection through the use of Pragma CAD, NWN DIMP Section 5.1.5.

Question Title, ID Identify Threats - Threats Considered (New Information) , GDIM.RA.THREATCATEGORIESIMPL.R

Question Text Has the operator acquired any new information relevant to system knowledge that may affect its threat identification?

References 192.1007(b)

Result NA

Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)

Result Notes No new relevant system information affects threat identification.

Question Title, ID Mechanical Fitting Failures - Information Collection (DIMP) , GDIM.RR.MECHANICALFITTINGDIMPIMPL.O
 Question Text Were procedure(s) followed for collecting the appropriate information and submitting PHMSA Form F-7100.1-2?
 References 192.1009 (191.12)
 Result Sat
 Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)

Result Notes NWN Submitted one mechanical fitting failure for 2014 and one for 2015. Procedures were followed for data collection.

Question Title, ID Mechanical Fitting Failures - Information Collection (Reporting) , GDIM.RR.MECHANICALFITTINGRPTIMPL.R
 Question Text Did the operator report all mechanical fitting failures that resulted in a hazardous leak for the previous calendar year to PHMSA and State authorities, as appropriate, by March 15th of the next calendar year, and did the reports contain the information required by Department of Transportation Form PHMSA F-7100.1-2?
 References 192.1009 (191.12)
 Result Sat
 Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)

Result Notes NWN Submitted one mechanical fitting failure for 2014 and one for 2015. Procedures were followed for data collection.

Question Title, ID Report Results - Submittal , GDIM.RR.SUBMITREPORTSIMPL.R
 Question Text Were Parts C and D of the PHMSA Distribution Annual Report (Form 7100.1-1) completed in the submission to PHMSA and the state regulatory authority having jurisdiction, if required, for each year since the last inspection?
 References 192.1007(g)
 Result Sat
 Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)

Result Notes Parts C and D of the PHMSA Distribution Annual Report must be completed prior to submission.

Question Title, ID Mechanical Fitting Failures - Information Collection (Data) , GDIM.RR.MECHANICALFITTINGDATAIMPL.R (also presented in: PRR.REPORT)
 Question Text Have accurate records been maintained documenting mechanical fitting failures that resulted in hazardous leaks?
 References 192.1009 (191.12)
 Result Sat
 Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)

Result Notes Annual Mechanical Fitting failures are recorded and supplied with the annual report. 2014 in 2015 etc. Note no mechanical fitting failures in 2016.

Question Title, ID System Knowledge - Understanding , GDIM.RA.DEMOUNDERSTANDINGIMPL.O
 Question Text Do operator personnel in the field understand their responsibilities under the DIMP plan?
 References 192.1007(a)
 Result Sat
 Assets Covered NW Natural DIMP Inspection 2017 (7248 NWN DIMP)

Result Notes Personnel are trained on why complete and accurate forms are important to the DIMP program.

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