

Inspection Output (IOR)

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Report Filters

Assets Cardinal FG / 88991 (1519)

Results All

Inspection Information

Inspection Name [8575] Cardinal OQ	Operator(s) CARDINAL FG (32176) Lead Lex Vinsel	Plan Submitted 06/08/2023
Status PLANNED	Observer(s) David Cullom, Anthony Dorrough, Scott Anderson, John Trier, Marina Rathbun	Plan Approval 07/03/2023 by Dennis Ritter
Start Year 2023	Supervisor Dennis Ritter	All Activity Start 06/26/2023
System Type GT	Director Scott Rukke	All Activity End 06/29/2023
Protocol Set ID WA.GT.2022.02		Inspection Submitted --
		Inspection Approval --

Inspection Summary

Inspection Scope and Summary

Inspection was to review Operator Qualification program

Facilities visited and Total AFOD

Cardinal Float Glass (FG) Plant

545 Avery Rd. West

Winlock WA 98596

AFOD 2

Summary of Significant Findings

None

Primary Operator contacts and/or participants

Chuck Miller, Mechanical Engineer (306)242-4296 cmiller@cardinalcorp.com

Jonathan Lemon, Compliance Program Manager (503)702-0838 jonathan.lemon@everlineus.com

Operator executive contact and mailing address for any official correspondence

Steven Smith - Plant Manager (360)242-4289 ssmith@cardinalcorp.com

545 Avery Rd. West

Winlock WA 98596

Scope (Assets)

#	Short Name	Long Name	Asset Type	Asset IDs	Excluded Topics	Planned	Required	Inspected	Total	Required % Complete
1.	88991 (1519)	Cardinal FG	unit	88991	Vault Service Line Compressor Stations Bottle/Pipe - Holders	51	51	51	51	100.0%

[8575] Cardinal OQ

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#	Short Name	Long Name	Asset Type	Asset IDs	Excluded Topics	Planned	Required	Inspected	Total	Required % Complete
					Gas Storage Field (Aboveground) Offshore GOM OCS Cast or Ductile Iron Copper Pipe Aluminum/Amphoteric CDA Abandoned AMAOP Plastic Pipe					

1. Percent completion excludes unanswered questions planned as "always observe".

Plans

#	Plan Assets	Focus Directives	Involved Groups/Subgroups	Qst Type(s)	Extent	Notes
1.	88991 (1519)	--	TQ	P, R, O, S	Detail	--

Plan Implementations

#	Activity Name	SMAR T Act#	Start Date	End Date	Focus Directives	Involved Groups/Subgroups	Asset Types	Qst Type(s)	Planned	Required	Inspected	Total	Required % Complete
1	[8575] Cardinal O Q	--	06/26/2023	--		all planned questions	all assets	all types	51	51	51	51	100.0%

1. Since questions may be implemented in multiple activities, but answered only once, questions may be represented more than once in this table.
2. Percent completion excludes unanswered questions planned as "always observe".
3. Question counts and completion percents are filtered to include only questions planned for and results applied to the filtered Assets.

Forms

No.	Entity	Form Name	Status	Date Completed	Activity Name	Asset
1.	Attendance List	[8575] Cardinal OQ	COMPLETED	09/29/2023	[8575] Cardinal OQ	88991 (1519)

Results (all values, 51 results)

TQ.PROT9: OQ Protocol 9

1. Question Result, ID, References: NA, TQ.PROT9.CORRECTION.O, 192.801(a) (192.809(a))
 Question Text: Have potential issues identified by the OQ plan inspection process been corrected at the operational level?
 Assets Covered: 88991 (1519)
 Result Notes: No such activity/condition was observed during the inspection.
2. Question Result, ID, References: NA, TQ.PROT9.TASKPERFORMANCE.O, 192.801(a) (192.809(a))

Question Text *Verify the qualified individuals performed the observed covered tasks in accordance with the operator's processes or operator approved contractor processes.*

Assets Covered 88991 (1519)

Result Notes No such activity/condition was observed during the inspection.

3. Question Result, ID, References NA, TQ.PROT9.QUALIFICATIONSTATUS.O, 192.801(a) (192.809(a))

Question Text *Verify the individuals performing the observed covered tasks are currently qualified to perform the covered tasks.*

Assets Covered 88991 (1519)

Result Notes No such activity/condition was observed during the inspection.

4. Question Result, ID, References NA, TQ.PROT9.AOCRECOG.O, 192.801(a) (192.809(a))

Question Text *Verify the individuals performing covered tasks are cognizant of the AOCs that are applicable to the tasks observed.*

Assets Covered 88991 (1519)

Result Notes No such activity/condition was observed during the inspection.

5. Question Result, ID, References NA, TQ.PROT9.VERIFYQUAL.O, 192.801(a) (192.809(a))

Question Text *Observe in the field (job site, local office, etc.) that the foreman/supervisor/manager has verified the qualification of the individual performing the task, that the qualification records are current, and ensure the personal identification of all individuals performing covered tasks are checked, prior to task performance.*

Assets Covered 88991 (1519)

Result Notes No such activity/condition was observed during the inspection.

TQ.OQ: Operator Qualification

6. Question Result, ID, References Sat, TQ.OQ.OQPLAN.P, 192.805(a) (192.801(b))

Question Text *Is there an OQ plan that includes covered tasks, and the basis used for identifying covered tasks?*

Assets Covered 88991 (1519)

Result Notes OQ Manual - Last revision June 16, 2022

7. Question Result, ID, References Sat, TQ.OQ.REEVALINTERVAL.P, 192.805(g)

Question Text *Does the OQ plan establish and justify requirements for reevaluation intervals for each covered task?*

Assets Covered 88991 (1519)

Result Notes OQ manual Section 11, evaluation intervals & soc's(Span of Control)

8. Question Result, ID, References Sat, TQ.OQ.NONQUALIFIED.P, 192.805(c)

Question Text *Does the OQ plan contain provisions for non-qualified individuals to perform covered tasks while being directed and observed by a qualified individual, and are appropriate restrictions and limitations placed on such activities?*

Assets Covered 88991 (1519)

Result Notes OQ Plan, Section 21.1 Non-Qualified Individuals

9. Question Result, ID, References Sat, TQ.OQ.EVALMETHOD.P, 192.805(b) (192.803, 192.809(d), 192.809(e))

Question Text *Are evaluation methods established and documented appropriate to each covered task?*

Assets Covered 88991 (1519)

Result Notes OQ Manual Section 10.1 Evaluation Methods

10. Question Result, ID, References Sat, TQ.OQ.OQCONTRACTOR.R, 192.807(a) (192.807(b))

Question Text *Are adequate records containing the required elements maintained for contractor personnel?*

Assets Covered 88991 (1519)

Result Notes Reviewed Jonathan Lemon certifications for OQ

Task code 001 Conduct Cathodic Protection Surveys, Computer Based Training 1/9/2023 Complete

11. Question Result, ID, References Sat, TQ.OQ.RECORDS.R, 192.807

Question Text *Do records document the evaluation and qualifications of individuals performing covered tasks, and can the qualification of individuals performing covered tasks be verified?*

Assets Covered 88991 (1519)

Result Notes Reviewed Jonathan Lemon certifications for OQ

Task code 001 Conduct Cathodic Protection Surveys, Computer Based Training 1/9/2023 Complete

12. Question Result, ID, References Sat, TQ.OQ.TRAINING.P, 192.805(h)

Question Text *Does the OQ program provide for initial qualification, retraining and reevaluation of individuals performing covered tasks?*

Assets Covered 88991 (1519)

Result Notes OQ Manual - Section 13 Employee Evaluations

13. Question Result, ID, References Sat, TQ.OQ.TRAINING.R, 192.807(a) (192.807(b))

Question Text *Does the operator have records for initial qualification, re-training and re-evaluation of individuals performing covered tasks?*

Assets Covered 88991 (1519)

Result Notes OQ Manual - Section 13 Employee Evaluations

14. Question Result, ID, References Sat, TQ.OQ.OQPLANCONTRACTOR.P, 192.805(b) (192.805(f), 192.805(c))

Question Text *Does the OQ plan have a process to communicate the OQ plan requirements to contractors and ensure that contractors are following it?*

Assets Covered 88991 (1519)

Result Notes 2022 OQ Manual - Section 1: Introductions; 1-4

2022 OQ Manual - Section 4: Program Communications.

15. Question Result, ID, References Sat, TQ.OQ.OQCONTRACTOR.P, 192.805(b) (192.805(c), 192.805(d), 192.805(e), 192.805(f))

Question Text *Does the OQ plan require other entities that perform covered tasks on behalf of the operator to be qualified?*

Assets Covered 88991 (1519)

Result Notes OQ Manual Section 15.1 Contractors

16. Question Result, ID, References Sat, TQ.OQ.OQCONTRACTOREQUIV.P, 192.805(h)

Question Text *Does the OQ plan document that the operator has assured that the processes on which an OQ vendor has evaluated qualified personnel are the same or consistent with those used by the operator for employees and contractors in the field?*

Assets Covered 88991 (1519)

Result Notes OQ Manual Section 15.1 Contractors

17. Question Result, ID, References NA, TQ.OQ.OTHERENTITY.R, 192.805(b) (192.805(c), 192.803)

Question Text *If the operator employs other entities to perform covered tasks, such as mutual assistance, are adequate records containing the required elements maintained?*

Assets Covered 88991 (1519)

Result Notes No such event occurred, or condition existed, in the scope of inspection review.

18. Question Result, ID, References Sat, TQ.OQ.ABNORMAL.P, 192.803

Question Text *Does the OQ Plan contain requirements to assure that individuals performing covered tasks are able to recognize and react to abnormal operating conditions (AOCs)?*

Assets Covered 88991 (1519)
Result Notes 2020 OQ Manual - Section 8: Covered Tasks

19. Question Result, ID, References Sat, TQ.OQ.ABNORMAL.R, 192.807(a) (192.807(b), 192.803)
Question Text *Do records document evaluation of qualified individuals for recognition and reaction to AOCs?*
Assets Covered 88991 (1519)
Result Notes AOCs are listed as part of each covered task

Example 060 G General Gas Pipeline Abnormal Operation Condition

20. Question Result, ID, References NA, TQ.OQ.ABNORMAL.O, 192.803
Question Text *Do individuals performing covered tasks have adequate knowledge to recognize and react to abnormal operating conditions?*
Assets Covered 88991 (1519)
Result Notes No such activity/condition was observed during the inspection.
21. Question Result, ID, References Sat, TQ.OQ.PERFMONITOR.P, 192.805(d) (192.805(e))
Question Text *Does the program include provisions to evaluate an individual if there is reason to believe that performance of a covered task contributed to an incident or accident as defined in Parts 192 and 195 or there is reason to believe an individual is no longer qualified to perform a covered task?*
Assets Covered 88991 (1519)
Result Notes 2022 OQ Manual - Section 14 : Incident Evaluations.
22. Question Result, ID, References NA, TQ.OQ.PERFMONITOR.R, 192.805(d) (192.805(e))
Question Text *If the operator had an incident/accident where there is reason to believe that an individual contributed to the cause, do records indicate evaluation of the individual following the occurrence?*
Assets Covered 88991 (1519)
Result Notes No such event occurred, or condition existed, in the scope of inspection review.
23. Question Result, ID, References NA, TQ.OQ.OQPLAN.O, 192.805(h)
Question Text *Do individuals performing covered tasks demonstrate adequate skills, knowledge, and ability?*
Assets Covered 88991 (1519)
Result Notes No such activity/condition was observed during the inspection.
24. Question Result, ID, References Sat, TQ.OQ.MOC.P, 192.805(f)
Question Text *Does the OQ program identify how changes to processes, tools standards and other elements used by individuals in performing covered tasks are communicated to the individuals, including contractor individuals, and how these changes are implemented in the evaluation method(s)?*
Assets Covered 88991 (1519)
Result Notes 2022 OQ Section 4.2 Communicating Covered Task Revisions
25. Question Result, ID, References Sat, TQ.OQ.CHANGENOTIFY.P, 192.805(i) (192.18)
Question Text *Does the process require significant OQ program changes to be identified and the Administrator or State agency notified?*
Assets Covered 88991 (1519)
Result Notes 2022 OQ Section 2.1 Plan Review
26. Question Result, ID, References NA, TQ.OQ.CHANGERECORD.R, 192.805(i) (192.805(f), 192.18)
Question Text *Are records maintained for changes that affect covered tasks and significant OQ plan changes?*
Assets Covered 88991 (1519)
Result Notes No such event occurred, or condition existed, in the scope of inspection review.

TQ.QU: Qualification of Personnel - Specific Requirements

27. Question Result, ID, References **Sat, TQ.QU.CORROSION.P, 192.453 (192.805(b))**
 Question Text *Does the process require corrosion control processes to be carried out by, or under the direction of, qualified personnel?*
 Assets Covered **88991 (1519)**
 Result Notes **2022 OQ Manual - Section 7: Affected Personnel**
2022 Gas O&M - Section 10: Corrosion Control.
28. Question Result, ID, References **Sat, TQ.QU.CORROSION.R, 192.453 (192.807(a), 192.807(b))**
 Question Text *Do records indicate qualification of personnel implementing pipeline corrosion control methods?*
 Assets Covered **88991 (1519)**
 Result Notes **Josh Lemon**
Task 001 Conduct Cathodic Protection Surveys Training 1/9/2023, Completed 1/9/2023 Expiration 1/9/2026
29. Question Result, ID, References **NA, TQ.QU.HOTTAPQUAL.P, 192.627 (192.805(b))**
 Question Text *Does the process require taps on a pipeline under pressure (hot taps) to be performed by qualified personnel?*
 Assets Covered **88991 (1519)**
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
30. Question Result, ID, References **NA, TQ.QU.HOTTAPQUAL.R, 192.627 (192.807(a), 192.807(b))**
 Question Text *Do records indicate the qualification of personnel performing hot taps?*
 Assets Covered **88991 (1519)**
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
31. Question Result, ID, References **NA, TQ.QU.HOTTAPQUAL.O, 192.627 (192.805(h))**
 Question Text *Do personnel performing hot taps demonstrate adequate skills and knowledge?*
 Assets Covered **88991 (1519)**
 Result Notes **No such activity/condition was observed during the inspection.**
32. Question Result, ID, References **Sat, TQ.QU.EXCAVATE.P, 192.805(b) (ADB-06-01, 192.801, 192.328)**
 Question Text *Does the process require individuals who oversee and perform marking, trenching, and backfilling operations be qualified?*
 Assets Covered **88991 (1519)**
 Result Notes **Section 8 Covered Tasks - Task Numbers**
035 Backfilling
019, 020G, 031 Trenching
019 Marking.
33. Question Result, ID, References **Sat, TQ.QU.EXCAVATE.R, 192.807(a) (192.807(b), ADB-06-01, 192.801, 192.328)**
 Question Text *Do records indicate qualification of individuals who oversee marking, trenching, and backfilling operations?*
 Assets Covered **88991 (1519)**
 Result Notes **Jonathan Lemon**
Task 019 Marking

Task 065 Excavation, Damage Prevention during Excavation

Task 035 Backfilling

34. Question Result, ID, References **NA, TQ.QU.EXCAVATE.O, 192.805(b) (192.805(h), ADB-06-01, 192.801(a), 192.328(a), 192.328(c))**
Question Text *Do individuals who oversee marking, trenching, and backfilling operations demonstrate adequate skills and knowledge?*
Assets Covered **88991 (1519)**
Result Notes **No such activity/condition was observed during the inspection.**

TQ.QUIM: Qualification of Personnel - Specific Requirements (IM)

35. Question Result, ID, References **NA, TQ.QUIM.IMREVIEWQUAL.P, 192.915(a) (192.915(b), 192.915(c), 192.935(b), 192.493)**
Question Text *Does the process require that operator/vendor personnel (including supervisors and persons responsible for preventive and mitigative measures), who review and evaluate results meet acceptable qualification standards?*
Assets Covered **88991 (1519)**
Result Notes **No such requirement existed in the scope of inspection review.**
36. Question Result, ID, References **NA, TQ.QUIM.IMREVIEWQUAL.R, 192.947(e) (192.915(a), 192.915(b), 192.915(c), 192.935(b)(1)(i), 192.947(d), 192.493)**
Question Text *Do records indicate adequate qualification of integrity management personnel?*
Assets Covered **88991 (1519)**
Result Notes **No such requirement existed in the scope of inspection review.**
37. Question Result, ID, References **NA, TQ.QUIM.IMQC.P, 192.805(b) (ASME B31.8S-2004, Section 12.2(b)(4), 192.935(b)(1)(i), 192.907(b), 192.911(l))**
Question Text *Does the process require personnel who execute IM program activities to be competent and qualified in accordance with the quality control plan in accordance with ASME B31.8S-2004, Section 12.2(b)(4)?*
Assets Covered **88991 (1519)**
Result Notes **No such requirement existed in the scope of inspection review.**

TQ.QUOMCONST: Qualification of Personnel - Specific Requirements (O and M Construction)

38. Question Result, ID, References **Sat, TQ.QUOMCONST.INSPECTOR.P, 192.241(a) (192.241(c), 192.805(b), 192.328(a), 192.328(b))**
Question Text *Does the process require welding inspection personnel to be adequately trained and qualified?*
Assets Covered **88991 (1519)**
Result Notes **2022 Section 8 - Covered Tasks**

38A - Maintenance Welding on Pipelines
39. Question Result, ID, References **NA, TQ.QUOMCONST.INSPECTOR.R, 192.241(a) (192.241(c), 192.807(a), 192.807(b))**
Question Text *Do records indicate adequate qualification documentation for personnel who conduct welding inspections?*
Assets Covered **88991 (1519)**
Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
40. Question Result, ID, References **NA, TQ.QUOMCONST.INSPECTOR.O, 192.241(a) (192.241(c))**
Question Text *Does the welding inspector demonstrate adequate skills and knowledge?*
Assets Covered **88991 (1519)**
Result Notes **No such activity/condition was observed during the inspection.**
41. Question Result, ID, References **NA, TQ.QUOMCONST.NDT.R, 192.243(b)(2) (192.807(a), 192.807(b), 192.328(a), 192.328(b))**
Question Text *Do records indicate the qualification of nondestructive testing personnel?*

Assets Covered 88991 (1519)

Result Notes No such event occurred, or condition existed, in the scope of inspection review.

42. Question Result, ID, NA, TQ.QUOMCONST.WELDER.R, 192.227(a) (192.227(b), 192.229(a), 192.229(b), 192.229(c),
References 192.229(d), 192.328(a), 192.328(b), 192.807(a), 192.807(b))

Question Text *Do records indicate that welders are adequately qualified?*

Assets Covered 88991 (1519)

Result Notes No such event occurred, or condition existed, in the scope of inspection review.

43. Question Result, ID, Sat, TQ.QUOMCONST.WELDER.P, 192.227(a) (192.225(a), 192.225(b), 192.328(a), 192.328(b),
References 192.805(b))

Question Text *Does the process require welders to be qualified in accordance with API 1104 or the ASME Boiler & Pressure Vessel Code?*

Assets Covered 88991 (1519)

Result Notes O&M manual Section 16.3 Welding Procedure & 16.4 Welder Qualifications

44. Question Result, ID, Sat, TQ.QUOMCONST.WELDERLOWSTRESS.P, 192.227(b) (192.225(a), 192.225(b), 192.805(b))
References

Question Text *Does the process require welders who perform welding on low stress pipe on lines that operate at < 20% SMYS to be qualified under Section I of Appendix C to Part 192, and are welders who perform welding on service line connection to a main required to be qualified under Section II of Appendix C to Part 192?*

Assets Covered 88991 (1519)

Result Notes O&M manual Section 16.3 Welding Procedure & 16.4 Welder Qualifications

45. Question Result, ID, NA, TQ.QUOMCONST.WELDER.O, 192.227(a) (192.227(b), 192.229(a), 192.229(b), 192.229(c),
References 192.229(d), 192.803, 192.328(a), 192.328(b))

Question Text *Do welders demonstrate adequate skills and knowledge?*

Assets Covered 88991 (1519)

Result Notes No such activity/condition was observed during the inspection.

46. Question Result, ID, Sat, TQ.QUOMCONST.NDT.P, 192.243(b)(2) (192.803, 192.805(b), 192.805(h), 192.328(a), 192.328(b))
References

Question Text *Does the process require nondestructive testing of welds to be performed by personnel who are trained and qualified in the established procedures and with the testing equipment employed?*

Assets Covered 88991 (1519)

Result Notes Covered Task 38C Non-destructive testing of Welds

O&M Section 16.12 Non-Destructive Testing

47. Question Result, ID, NA, TQ.QUOMCONST.NDT.O, 192.243(b)(2) (192.803, 192.328(a), 192.328(b))
References

Question Text *Do nondestructive testing personnel demonstrate adequate skills and knowledge?*

Assets Covered 88991 (1519)

Result Notes No such activity/condition was observed during the inspection.

TQ.TR: Training of Personnel

48. Question Result, ID, Sat, TQ.TR.TRAINING.P, 192.615(b)(2) (192.805(b))
References

Question Text *Does the process require a continuing training program to be in place to effectively instruct emergency response personnel?*

Assets Covered 88991 (1519)

Result Notes O&M Section 19 Emergency Response Plan under Training

49. Question Result, ID, Sat, TQ.TR.TRAINING.R, 192.615(b)(2) (192.807(a), 192.807(b))
References

Question Text *Is training for emergency response personnel documented?*

Assets Covered 88991 (1519)

Result Notes Reviewed Training is documented for ER desk top Spill Drill training

50. Question Result, ID, References **NA, TQ.TR.TRAINING.O, 192.615(b)(2) (192.805(b))**
Question Text *Do emergency response personnel demonstrate adequate skills and knowledge?*
Assets Covered **88991 (1519)**
Result Notes **No such activity/condition was observed during the inspection.**
51. Question Result, ID, References **Sat, TQ.TR.TRAININGREVIEW.P, 192.615(b)(3)**
Question Text *Does the process require review of emergency response personnel performance?*
Assets Covered **88991 (1519)**
Result Notes **2022 Gas O&M Section 19: Emergency Response Plan; 19.1.**

Except as required to be disclosed by law, any inspection documentation, including completed protocol forms, summary reports, executive summary reports, and enforcement documentation are for internal use only by federal or state pipeline safety regulators. Some inspection documentation may contain information which the operator considers to be confidential. In addition, supplemental inspection guidance and related documents in the file library are also for internal use only by federal or state pipeline safety regulators (with the exception of documents published in the federal register, such as advisory bulletins). Do not distribute or otherwise disclose such material outside of the state or federal pipeline regulatory organizations. Requests for such information from other government organizations (including, but not limited to, NTSB, GAO, IG, or Congressional Staff) should be referred to PHMSA Headquarters Management.