

Name of Operator: Cardinal Glass - Winlock		
OPID No. 32176	Unit ID No.	
HQ Address: 545 Avery Road West Winlock WA, 98596	System/Unit Name & Address: 545 Avery Road West Winlock WA, 98596	
Operator Official: Steve Smith Title: Plant Manager Phone: Emergency Phone/Cell:	Address: 545 Avery Road West City: Winlock State: WA Zip Code: 98596	
Persons Interviewed	Title	Phone No.
Robert L. Cosentino	President & CEO – Cosentino Consulting Inc.	(360) 200-4959
Kevin O’Hogan	Assistant General Manager – Northwest Metal Fab & Pipe Inc.	(503) 692-0995
State Representative(s): Anthony Dorrrough	Inspection Date(s) June 22-23, 2016	
Records Location:	Winlock, WA	

Unit Description:
Cardinal FG is located at 545 Avery Road West in Winlock WA. The Company operates approximately 3.25 miles of six inch natural gas transmission pipeline in Lewis County WA beginning at the Williams Northwest Pipeline interconnection at the Williams Chehalis Compressor Station and ending at the Cardinal Glass Facility. This pipeline is commonly known as the Cardinal Glass Pipeline.
The cathodic protection system is a galvanic system. The exact locations of the anodes are unknown, but some CP surveys have been conducted in 2010 that help establish their general location. This survey also included soil resistivity studies to help quantify the amount of IR drop.
Portion of Unit Inspected:
100% of the 3.25 miles of this unit was inspected

<p>Sat+ - Exceeds requirements/exemplary performance Sat – Meets requirements Con – “Concern” meets requirements, but is an area of recommendation and/or area that if not addressed may lead to non-compliance Unsat – Does not meet requirements N/A – Not Applicable N/C – Not Checked</p>
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Training and Qualification - OQ Protocol 9

1. Covered Task Performance (detail) Verify the qualified individuals performed the observed covered tasks in accordance with the operator's procedures or operator approved contractor procedures. (TQ.PROT9.TASKPERFORMANCE.O) (detail)

192.801(a) (192.809(a))

Sat+	Sat	Concern	Unsat	NA	NC
	X				

Notes

Performed task satisfactorily

2. Qualification Status (detail) Verify the individuals performing the observed covered tasks are currently qualified to perform the covered tasks. (TQ.PROT9.QUALIFICATIONSTATUS.O) (detail)

192.801(a) (192.809(a))

Sat+	Sat	Concern	Unsat	NA	NC
	X				

Notes

Provided adequate qualification

3. Abnormal Operating Condition Recognition and Reaction (detail) Verify the individuals performing covered tasks are cognizant of the AOCs that are applicable to the tasks observed. (TQ.PROT9.AOCRECOG.O) (detail)

192.801(a) (192.809(a))

Sat+	Sat	Concern	Unsat	NA	NC
	X				

Notes

Demonstrated knowledgeable cognizance of AOCs

4. Verification of Qualification (detail) Verify the qualification records are current, and ensure the personal identification of all individuals performing covered tasks are checked, prior to task performance. (TQ.PROT9.VERIFYQUAL.O) (detail)

192.801(a) (192.809(a))

Sat+	Sat	Concern	Unsat	NA	NC
	X				

Notes

Verified qualification prior to field inspection

5. Program Inspection Deficiencies (detail) Have potential issues identified by the headquarters inspection process been corrected at the operational level? (TQ.PROT9.CORRECTION.O) (detail)

192.801(a) (192.809(a))

Sat+	Sat	Concern	Unsat	NA	NC
	X				

Notes

Could not identify any potential deficiencies

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PHMSA Form 15 Question Set (IA Equivalent)
PHMSA (OQ) FIELD INSPECTION FORM

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