

POST INSPECTION MEMORANDUM

Inspector: Kuang Chu/UTC
Reviewed: Dave Lykken/UTC
Peer Review: _____
Follow-Up Enforcement: No Violation
PCP* PCO* NOA WL LOC
Director Approval* _____

Date: August 8, 2009

Operator Inspected:
Williams Gas Pipeline - West
2800 Post Oak Blvd
MC 1060/12314
Houston, TX 77056

OPID: 13845

Region: Western

Unit Address:
Williams Gas Pipeline - West
Battle Ground District
8907 NE 219th Street
Battle Ground, WA 98604

Unit Inspected: Western Washington

Unit ID: 8365

Unit Type: Interstate Gas Transmission

Inspection Type: I01-Abbreviated Procedures Standard Inspection, I08-OQ Field Verification, and I07-IMP Field Verification & Follow up

Record Location: Battle Ground, WA

Inspection Dates: July 20-24, 2009

AFOD: 5.0 (I01-4.0, I08-0.5, and I07-0.5)

SMART Activity Number:

Operator Contact: Lauri Duncombe, Senior Engineer

Phone: (801) 584-6509 **Fax:** (801) 584-6735 **Emergency:** (800) 972-7733

Unit Description: The Battle Ground District contains approximately 125 miles of natural gas transmission pipelines. The District is bordered by the Redmond District to the north, the Eugene District to the south and the Plymouth District to the east. The district line of demarcation to the north is the Skookumchuck River near the Lewis/Thurston County border. To the east, the Battle Ground District extends to milepost 1140, which is west of Goldendale. To the south the Battle Ground District extends to milepost 5.38 south of the Columbia River crossing. It has 3 compressor stations at Chehalis, Willard and Washougal. In addition to the mainlines, the following pipelines are within the State of Washington:

The Dalles Lateral - 11 miles of 4" line
Portland Lateral - 12.5 miles of 18" line

Camas Eugene Line & Loop are both 20", approx 4.25 miles
 Hood River Lateral - 4 miles of 4" line
 Astoria Lateral - 3.25 miles of 12" line
 Berwick Lateral - 3 miles of 16" line
 Centralia Lateral - 3 miles of 12" line

Facilities Inspected: The facilities inspected included all three compressor stations at Chehalis, Washougal and Willard. A number of mainline valve stations were inspected and the valves partially operated. Several meter/regulator stations were inspected. The pipe-to-soil and casing to soil potentials were taken at many cathodic protection test stations and inside the compressor stations. Many rectifiers were inspected. The span over the Kalama River was inspected.

Persons Interviewed:

Lauri Duncombe	Senior Engineer	(801) 584-6509
Ruth Mabrey	District Manager	(360) 666-2101
Troy Robey	Asst. District Mgr.	(360) 666-2119
Larry Schewe	Senior Op. Tech.	(360) 430-4511
Ken Sease	Senior Op. Tech	(360) 606-4519
Stephen Jensen	Sr. Integrity Specialist	(360) 921-6548
Les Edwards	P/L Int. Team Lead	(208) 850-7362

Probable Violations/Concerns:

None

Follow up on the history of prior offenses that are still open:

Prior Offenses (for the past 5 years)		
CPF #	What type of open enforcement action(s)?	Status of the regulations(s) violated (Reoccurrence Offenses, Implement a NOA Revision, Completion of PCO or CO, and etc...)

Recommendations:

None

Comments: The instant off pipe-to-soil potentials at some test stations inside the Washougal Compressor Station could not meet the -0.850v criterion due to shielding by concrete foundations inside the station. The operator has installed additional anodes in an attempt to improve the instant off readings. This effort has resulted in some success. But there are some locations where the -0.850v instant off criterion still cannot be met. However, they did meet the 100mv shift criterion. The operator indicated during the field inspection that they would continue to improve the CP with a goal to meet the -0.850v instant off criterion at all locations inside the Washougal Compressor Station.

Attachments:

- Abbreviated Procedures/ Standard Inspection Form 1
- Operator Qualification Field Inspection Protocol Form 15
- Gas IMP Field Verification Inspection Form 14
- Supplemental SCC Questionnaire Form 17
- Field Data Collection Form