Western Region Unit Information

Inspector or State Office: Kuang Chu & Dennis Ritter/UTC

SMART Activity #:

Unit ID: 9775

Unit Name: KB Pipeline

Operator ID: 31522

Operator Name: KB Pipeline

Unit Boundaries

Description:	Device:	Latitude:	Longitude:
The Kelso-Beaver (KB) Pipeline is located in Cowlitz County, Washington. The KB Pipeline takes delivery of natural gas from the Williams Northwest Pipeline meter station located east of Kelso, Washington and extends west approximately 18 miles to Columbia County, Oregon. The pipeline crosses under the Columbia River north of the City of Longview, WA. The pipeline is a 20" API 5L grade X-52 with 0.281", 0.344" & 0.375" thickness			

Pre-Inspection

The information collected and documented here is in addition to other pre-inspection efforts [pulling unit summaries, SRCR's, Annual Reports, Accident/Incident Reports, previous PIM, Post-Inspection OQ & IMP reports, previous and outstanding enforcement actions, etc.]

There are no HCAs for this pipeline. Therefore, the gas IMP does not apply to this pipeline. An ILI run was made in early 2011 with a high resolution MFL tool and a geometry tool. Two (?) anomaly digs were made in 2011 to direct examine the anomalies following the ILI run. A leak was discovered in late 2010 and was repaired. The leak was apparently caused by a construction worker's deliberated act during the original construction of the pipeline.

Baseline Information

1) If accidents or incidents have occurred in this unit, what has the operator done to prevent recurrence? *(select all that apply)*

☐ Added Equipment ☐ Procedural Change ☐ Engineering Barriers Added

☐ Removed Equipment ☐ Additional Training ☐ Other

Describe: N/A

2) Will these actions adequately mitigate threats? ○ Yes ○ No

Please Explain: N/A

3) Have any abnormal events occurred in this unit? ◉ Yes ○ No

Describe Operator's Response: The gas leak was detected by a GPS crew and was repaired in a timely manner.

4) Commodity Transported:

Liquid 1: Gas 1: Natural Gas

Liquid 2: Gas 2:

5) Year of Original Installation (yyyy): 1992 Pipe specification (e.g. API 5L, ASTM D2513): API 5L X-52

6) Normal Operating Pressure (psig), min: 500 max: 809 % SMYS, max: 71

7) MOP/MAOP (psig), min: 500 max: 823 Changes in MOP/MAOP in previous year: ○ Increase ○ Decrease ◉ None

8) Seam Type: ERW

9) Coating Type: FBE

10) Overall Coating Quality: ○ Poor ○ Fair ◉ Good Coating Improvement Efforts: ○ Yes ○ No

Describe:

11) Potential for AC Interference? ◉ Yes ○ No Has operator tested for stray current? ◉ Yes ○ No

12) Parallel Construction/Crossing? ◉ Yes ○ No Explain: No parallel, crosses Olympic Pipeline

13a) [Gas Only] Is there a monitoring program for liquids? ○ Yes ◉ No

Method:

Frequency:

13b) [Liquid Only] Are there Dead Legs? ○ Yes ○ No

Explain:

14) [Liquid Only] Number of cycles: per ○ Day ○ Week ○ Month

Pressure range (psig):

15) Has equipment been deleted/added that changed the hydraulic profile of this line? ○ Yes ◉ No

Explain:

16) Level of automation: ◉ Manual Control ○ Local/SCADA ○ Remote/SCADA

17) Total unit mileage: 19 miles

18) HCA-Affecting Mileage (% of total mileage):

High Population Area (%):	
Other Population Area (%):	
Drinking Water USA (%):	
Ecological Resource USA (%):	
Commercially Navigable Waterway (%):	<1% under Columbia River

19) Indicate the year of the most recent tool run and summarize results, including digs:

Tool Type	Year	Results Summary
Geometry	2010	Low Resolution, no anomaly found
Combination Tool	2010	High Resolution, anomalies noted, direct examined (digs)

Post-Inspection Information

20) Using your engineering judgement, describe how well is the manager addressing this unit's threats:

Corrosion Specific:	○ Poor	○ Fair	◉ Good
Equipment Specific:	○ Poor	○ Fair	◉ Good
Excavation Specific:	○ Poor	○ Fair	◉ Good
Human Error Specific:	○ Poor	○ Fair	◉ Good
Material/Weld Specific:	○ Poor	○ Fair	◉ Good
Natural Force Specific:	○ Poor	○ Fair	◉ Good
Overall:	○ Poor	○ Fair	◉ Good

Additional Assessments: We still have a concern about the pipeline integrity at the Hazel Dell Road Slide Area. The ground at this area is unstable. The operator is monitoring the land movement by surveying the area periodically.