

UTC IMP Verification Form

Inspector / Date: June 7, 2011

Inspection Dates: May 25, 2011

Operator Inspected: Kelso-Beaver Pipeline Company

OPID: 31522

Region: Western

Unit Inspected: Washington State side only

Unit ID: 9775

Unit Type: Interstate Gas Transmission

Unit Address: 80997 Kallunki Road
Clatskanie, Oregon 97016

Record Location: Portland General Electric
Beaver Generating Plant

Note:

The Kelso Beaver Pipeline is not located within HCA's. See PIM report and Exhibits "A" and "B" for ILI results and consultant's recommendation to the Portland General Electric.

High Consequence Areas

High Consequence areas in District

Id	High Consequence area	Location	Reason	Mileage	HCA Verified
1	NONE				
2					
3					

New HCA's

High Consequence Area	Location	Reason	Mileage	Assessment Date
NONE				

Assessments

ILI

HCA ID	Tool(s), or assessment method(s)	Assessment review results	Prior Assessment date	Assessment date	Next Assessment date
NONE	Hydro Test	1/8 inch hole found in bottom quarter of pipe		10/31/1992	
	Hydro Test	2 nd hole found		11/10/1992	
	Hydro Test	2.5-degree bend section failed		11/11/1992	
	Hydro Test	Crack in forged flange at Receiver.		11/16/1992	
	Hydro Test	From river crossing to PGE Generating Plant.		2002	
	MFL & Geometry	17 Deformation, (12 < 2%) 7 Metal in close proximity (6 at pipe supports), 12 Inclusions, 1 casing, 1 stopple, 3 repair sleeves		10/5/2010	

Do assessments address unit threats?	Yes
Earth Movement threat addressed if applicable?	Yes, two areas of soil subsidence are monitored.

HCA ID	Immediate repairs	One year condition (gas) 180 Day condition(liquid)	Monitored Condition (gas) Other condition (liquid)
NONE			

Were anomalies evaluated in timely manner?	Yes, a through-wall hole was discovered after ILI.
Were repairs appropriate?	Yes.

Repair Summary

HCA ID	Cutouts	Leak clamp	clocksprings	sleeves	grinding	None	other
NONE							

Defect Type

HCA ID	Third Party damage	corrosion	Outside force	Manufacturing defects	Construction defects	SCC	Other
NONE							

Amount of low frequency ERW pipe	100%
How is ERW pipe assessed	ILI High Resolution MFL
When was ERW pipe assessed	10/5/2010