

UTC IMP Verification Form

Inspector / Date: Al Jones / November 3, 2011

Inspection Dates: September 19 – 22, 2011

Operator Inspected: Trans Mountain Pipeline (Puget Sound) LLC

OPID: 19585

Region: Western

Unit Inspected: Trans Mountain Oil Pipeline

Unit ID: 285

Unit Type: Interstate Hazardous Liquid (crude oil)

Unit Address: Laurel Station
1009 East Smith Road
Bellingham, WA 98226

Record Location: Same as the Unit Address (above)

High Consequence Areas

High Consequence areas in District

Id	High Consequence Area	Location	Reason	Mileage	HCA Verified
1	High Population	Border to Burlington	Direct Influence	4.49	
2	High Population	Laurel to Ferndale	Direct Influence	0.47	
3	High Population	Burlington to Anacortes	Direct Influence	1.08	
4	Other Pop. Areas	Border to Burlington	Direct Influence	4.80	
5	Other Pop. Areas	Laurel to Ferndale	Direct Influence	1.52	
6	Other Pop. Areas	Burlington to Anacortes	Direct Influence	0.78	
7	Drinking Water	Border to Burlington	Direct Influence	18.41	
8	Drinking Water	Laurel to Ferndale	Direct Influence	9.35	
9	Drinking Water	Burlington to Anacortes	Direct Influence	2.36	
10	Ecological Area	Border to Burlington	Direct Influence	12.28	
11	Ecological Area	Laurel to Ferndale	Direct Influence	1.44	
12	Ecological Area	Burlington to Anacortes	Direct Influence	5.62	
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New HCA's

High Consequence Area	Location	Reason	Mileage	Assessment Date
Other Pop. Areas	Border to Burlington	Indirect	1,800 LF	2010
Ecological Area & Drink Water	Burlington to Anacortes	Indirect	1.01 Miles	2010
Ecological Area	Laurel to Ferndale	Indirect	402 LF	2010

Assessments

ILI

HCA ID	Tool(s), or assessment method(s)	Assessment review results	Prior Assessment date	Assessment date	Next Assessment date
	Hydro	100% SMYS to test MOP		2003	
	Geometry			2004	
	MFL	See Repair Summary		2007	2012
	Close-Interval Survey	See Notes for details		Nov 22 to Dec 22, 1999	

Do assessments address unit threats?	Yes
Earth Movement threat addressed if applicable?	None

0.3 – DNT 1 (630+24.3) Laurel to Ferndale - 2010							Recoated
9.5 – DNT 18 (14040+6.8) Laurel to Ferndale - 2010							Recoated
9.5 – DNT 19 (14140+6.8) Laurel to Ferndale - 2010							Recoated
9.8 – DNT 20 (14500+28.3) Laurel to Ferndale - 2010							Recoated
182,997.83 ft – Corrosion (41890+22.02 ft) Border to Burlington - 2011							Scheduled for 2011

Defect Type

HCA ID	Third Party Damage	Corrosion	Outside Force	Manufacturing Defects	Construction Defects	SCC	Other
14.687 – DNT 43 (13180+17.3) Border to Burlington - 2009	Dent						
28.0 – DNT 33 (147741.4+39.2) Border to Burlington - 2009	Dent						
33.971 – Corrosion (40920+3.5, 4.1, 6.4) Border to Burlington - 2009		Corrosion					

36.211 – Dent (44210+27.7) Border to Burlington - 2009	Dent						
2.6 – DNT 13 (3870+31.4) Laurel to Ferndale - 2009	Dent						
8.7 – DNT 17 (12910+23.4) Laurel to Ferndale - 2009	Dent						
0.3 – DNT 1 (630+24.3) Laurel To Ferndale - 2010	Dent						
9.5 – DNT 18 (14040+6.8) Laurel to Ferndale - 2010	Dent						
9.5 – DNT 19 (14140+6.8) Laurel to Ferndale - 2010	Dent						
9.8 – DNT 20 (14500+28.3) Laurel to Ferndale - 2010	Dent						
182,997.83 ft – Corrosion (41890+22.02 ft) Border to Burlington - 2011		Corrosion					

Amount of low frequency ERW pipe	None
How is ERW pipe assessed	
When was ERW pipe assessed	