

Intalco Aluminum Corp Ferndale



SHARP Report — Part 1 of 2

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• SHARP first SHARP		v2024.04.29	Ecology Info	
• SHARP rating	Critical		ERTS	none
• SHARP date	11/17/2025		CSID	2280
• EJFlagged?	SHARP it		FSID	16
• LD confidence level	low		VCP	none
• Cleanup milestone	initial investigation		UST ID	none
• SHARPster	Lindsey Ladd		LUST ID	none

This section is blank if this is the first SHARP

SHARP Media	Scores	Confidence	Additional Factors
Indoor air	D4	low	multiple chemical types ✓
Groundwater	B1	low	risk to off-site people ☒
Surface water	A1	low	climate change impacts ✓
Sediment	A1	low	plant/animal tissue data ☒
Soil	A2	low	

Location and land use info	
4050 Mountain View Rd, Ferndale, Whatcom County, 98248	
Primary parcel	SHARP it
Land use	industrial
Responsible unit	Industrial

Sources reviewed



Primary census tract	Associated census tracts
SHARP it	

Local demographics comments
no comments

Source/source area description
Cleanup activities at this Site include closure of several landfills Intalco used to dispose of wastes created by aluminum production.

Soil comments
no comments

Groundwater comments
no comments



Surface water comments

no comments

Sediment comments

no comments

Indoor air comments

no comments

Additional factors comments

no comments



Site history

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Beach 1 landfill (BI, closed November 29, 2005), Beach 2 landfill (BII, closed November 25, 2005), and the Closed Construction Debris Landfill (CCDL, closed October 4, 2006), contained solid waste and construction debris. Testing at these sites found chemicals of concern, including: Fluoride, aluminum, chromium, copper, lead, zinc, PCBs, and PAHs in the groundwater; Fluoride and aluminum in the surface water; and PCBs, PAHs, and fluoride in the soil.

Overflow - Site contamination and cleanup history

In response to this concern, waste from the BI and BII landfills were moved to the Double-Lined and Triple-Lined landfills. The cleanup of the CCDL included stabilizing slopes and installing a protective cover.

The Double-Lined Landfill (DLL), closed September 14, 2007, contains solid waste and construction debris. The Triple-Lined Landfill (TLL), closed November 28, 2012, contains dangerous waste (spent potliner), solid waste, and construction debris.

Since this was done, contamination from the landfills has been below levels of concern. Long term monitoring for fluoride, weak acid dissociable cyanide, and total PCBs from BI, BII, and the CCDL is required.



Assessment scores by environmental medium

