

# WA State Corrections Ctr Transformer



SHARP Report — Part 1 of 2

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• SHARP first SHARP		v2024.04.29	Ecology Info	
• SHARP rating	Medium		ERTS	562837
• SHARP date	01/09/2025		CSID	1098
• EJFlagged?	✓ – No Override		FSID	9440483
• LD confidence level	low		VCP	none
• Cleanup milestone	CSL listing		UST ID	none
• SHARPster	John Kirkpatrick		LUST ID	none

This section is blank if this is the first SHARP

SHARP Media	Scores	Confidence	Additional Factors	
Indoor air	D4	medium	multiple chemical types	⊗
Groundwater	A1	low	risk to off-site people	⊗
Surface water	D4	medium	climate change impacts	⊗
Sediment	D4	medium	plant/animal tissue data	⊗
Soil	B2	medium		

## Location and land use info

2321 Dayton Airport Rd, Shelton, Mason County, 98584

Primary parcel 42009006000

Land use residential

Responsible unit SWRO

## Sources reviewed

2013, Site Hazard Assessment, Department of Ecology

2007, Initial Investigation, Department of Ecology

2007, Initial Investigation Attachment: PCB Analysis, Mancehster Environmental Laboratory (Ecology)

Primary census tract	Associated census tracts
53045960600	SHARP it

**Local demographics comments**

The correctional facility, where the contamination is located, houses approximately 1300 inmates. The demographic data for EJScreen indicates a total population of 4,688; WTN indicates a population of 5,739. There may be significant differences between the individuals impacted by the release versus general tract demographics.

**Source/source area description**

An electrical transformer leaked for a period of time onto a concrete pad, and from there to the soil.

**Soil comments**

Contaminants of Concern (COCs) in soil were mineral oil and Polychlorinated Biphenyls (PCBs). Mineral oil was confirmed above Model Toxics Control Act (MTCA) Method A cleanup levels when confirmation sampling was done after removal of material around the transformer pad. PCBs were also detected, but below cleanup levels.

**Groundwater comments**

No groundwater data is available. The site is within the wellhead protection zone (5 year travel-time) of at least two wells registered to the Department of Corrections.

**Surface water comments**

The site of the release is >1200' from the North Fork Goldsborough Creek.

**Sediment comments**

The site of the release is >1200' from the North Fork Goldsborough Creek.

**Indoor air comments**

The main COCs, mineral oil and PCBs, generally do not pose vapor intrusion risk.

**Additional factors comments**

no comments

Site history

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The leaking electrical transformer was first reported in 2007. It is unclear how long it had been leaking, or how old the transformer was. The corrections center was first built in 1964. Initially, absorbent pads were deployed to mitigate the ongoing leak, and then 15 yards of soil was excavated and stockpiled nearby. Additional contaminated soil was not excavated in bulk, as Department of Corrections staff were concerned about undermining the pad. Some additional removal appears to have been performed, and confirmation sampling near and under the pad completed. These confirmation samples showed mineral oil concentrations in soil above MTCA Method A Cleanup Levels. Samples also showed PCBs in soil, below MTCA Method A.

The stockpiled, contaminated soil was re-emplaced around the transformer pad. The site was listed and an early notice letter sent in late 2007. A site hazard assessment update was conducted in 2013.

**Overflow - Site contamination and cleanup history**

No overflow

## WA State Corrections Ctr Transformer

1098 WA State Corrections Ctr Transformer 20250109

First SHARP

SHARP rating — Medium

## SHARP Report — Part 2 of 2

Conceptual site model

01/09/2025

