

Cedar Falls Closed Landfill



SHARP Report — Part 1 of 2

[Go to site contamination history](#)

• SHARP first SHARP		v2024.04.29	Ecology Info	
• SHARP rating	Low		ERTS	none
• SHARP date	07/10/2024		CSID	4389
• EJFlagged?	⊘ - No Override		FSID	2019
• LD confidence level	low		VCP	none
• Cleanup milestone	site hazard assessment		UST ID	none
• SHARPster	Tim O'Connor		LUST ID	none

This section is blank if this is the first SHARP	

SHARP Media	Scores	Confidence	Additional Factors	
Indoor air	D4	high	multiple chemical types	✓
Groundwater	C3	medium	risk to off-site people	✓
Surface water	D4	high	climate change impacts	⊘
Sediment	D4	high	plant/animal tissue data	⊘
Soil	C2	medium		

Location and land use info	
16925 Cedar Falls Rd SE, North Bend, King County, 98045	
Primary parcel	2723089004
Land use	other
Responsible unit	Solid Waste

Sources reviewed
Ecology GSP Page https://apps.ecology.wa.gov/cleanupsearch/site/4389 has annual reports

Primary census tract	Associated census tracts
53033032705	none

Local demographics comments

no comments

Source/source area description

Cedar Falls Landfill is a closed landfill that is regulated under Chapter 304 Washington Administrative Code. The landfill is a former sand and gravel pit that began accepting refuse in the 1950s. Burning of the waste was reported during early operations at the landfill. The landfill reportedly contains residential, commercial, and demolition waste.

The landfill does not have an engineered composite liner beneath the solid waste, which is a requirement for new landfill units constructed after November 1985.

The landfill closed in two phases:

- November 1986, Phase I closure was completed.
- October 1990, Phase II closure was completed.

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

[Go to top](#)

The concentrations of arsenic and manganese exceed MTCA Method B Groundwater Cleanup Levels downgradient of the landfill along the east and northeast property lines. Both the upper and lower aquifer (they may merge just past the north east perimeter of the landfill) have exceedances of at least one of the CULs. Additional delineation is planned by King County Solid Waste Division.

Concentrations of manganese up to 3,540 ug/L were reported from the downgradient well upper aquifer sampled in Q1 2024. Concentrations of arsenic up to 92.6 ug/L, manganese up to 6,570 ug/L, and iron up to 14,600 ug/L in downgradient lower aquifer wells sampled in Q1 2024. Vinyl chloride is consistently around 0.08-0.1 ug/L in downgradient lower aquifer well MW-14.

Public Health Seattle and King County issues a landfill permit for the landfill under WAC 173-304. Ecology's Solid Waste Management (SWM) program provides technical support to Public Health.

King County Solid Waste Division is responsible for post-closure care of the landfill.

Overflow - Site contamination and cleanup history

The landfill is downgradient of three Group A wells (Sallal Water Association - ID 75560) so the landfill groundwater contamination has no impact on these wells. Kahn Group B Water system (ID 23451), located approximately 800 feet north of the landfill, has two connections and is a spring water right. Groundwater does not appear to discharge in the direction of this water system. River Bend HOA (ID 72750) 1-year time of travel zone is approximately 1,200 feet downgradient of the landfill. Most homes downgradient of the landfill are serviced by the Sallal Water Association.

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4389 Cedar Falls Closed Landfill 20240710

First SHARP

SHARP rating — Low

SHARP Report — Part 2 of 2

Conceptual site model

07/10/2024



Assessment scores by environmental medium

