

King County Cedar Hills Landfill



SHARP Report — Part 1 of 2

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• SHARP first SHARP		v2024.04.29	Ecology Info	
• SHARP rating	~~Low~~		ERTS	NA
• SHARP date	08/20/2025		CSID	7027
• EJFlagged?	⊘ - No Override		FSID	2020
• LD confidence level	low		VCP	NA
• Cleanup milestone	remedial investigation		UST ID	NA
• SHARPster	Tim O'Connor		LUST ID	NA

This section is blank if this is the first SHARP

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

Location and land use info

16645 228th Ave SE, Maple Valley, King County, 98038

Primary parcel 212306-9016

Land use other

Responsible unit Solid Waste

Sources reviewed

Agency Draft Cedar Hills Regional Landfill East Perched Zones RI/FS December 2016

Attachment F Annual Summary of GW Monitoring Results, 2024 Annual Cedar Hills LF

Primary census tract	Associated census tracts
ZCTA5 98038	ZCTA5 98059

Local demographics comments

no comments

Source/source area description

Unlined municipal solid waste landfill areas are the primary source of groundwater contamination. King County removed the unlined South Solid Waste Area and is performing an independent cleanup of the East Perched Zone, adjacent to the Main Hill, in accordance with the MTCA regulation. The East Perched Zone was investigated due to detections of volatile organic compounds in groundwater around 1991. Contamination has been released from two upgradient sources, the Queen City Farms Superfund Site and Cedar Groves Composting Facility. The volatile organic compounds released from Queen City Farms exist upgradient to the landfill in the Regional Aquifer and do not impact groundwater downgradient or cross-gradient of the landfill. The impact of Cedar Grove Composting operations is evident based on elevated concentrations of manganese and iron in monitoring wells that are upgradient of the landfill in the Regional Aquifer.

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

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Cedar Hills Regional Landfill began operations in 1965 and continues today. Municipal solid waste is disposed in landfill cells, including the Main Hill, the Southeast Pit, the Central Pit, Area 2/3, Area 4, Area 5, Area 6, Area 7, and Area 8. Municipal solid waste that was disposed in the South Solid Waste Area was removed during development of Areas 6 and 8.

The South Solid Waste Area, the Main Hill, and the Southeast Pit were constructed without bottom liners, which is consistent with the practice at the time. The remaining landfill cells were constructed with composite liners consistent with regulations in Chapters 173-304 (effective 11/27/1985) and 173-351 (effective 4/9/1994) of the WAC. Landfill gas extraction systems and engineered geomembrane covers were installed for landfill cells developed before 1985, consistent with current regulations.

Area 8 began accepting waste in July 2019 and is the only active landfill cell. Areas 5 and 6 were closed with intermediate covers in 2007 and 2009. Additional waste disposal is planned in Areas 5 and 6 between 2026 and 2030.

King County is preparing to decommission underground storage tanks (USTs) and relocate support facilities in preparation for construction of the Area 9 cell. Ecology created the Cedar Hills LUSTs site (CSID 7173) for former and existing USTs associated with landfill operations on the property.

Overflow - Site contamination and cleanup history

No overflow

King County Cedar Hills Landfill

7027 King County Cedar Hills Landfill 20250820

First SHARP

SHARP rating — Low

SHARP Report — Part 2 of 2

Conceptual site model

08/20/2025



Assessment scores by environmental medium

