

Red Hills Landfill Update

August 2024

General Overview

Ahlstrom is continually monitoring and reviewing the program and parameters at the landfill to reduce odors.

This area has received more precipitation during 2024 than 2023, especially during the months where we expect to be drier and have increased evaporation. That has not been the case for 2024.

Chart below is National Weather Service-Weather.gov

Monthly Total Precipitation for APPLETON, WI
Click column heading to sort ascending, click again to sort descending.

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2023	1.42	2.81	3.70	3.48	1.81	3.73	2.87	5.13	1.48	4.77	2.30	1.33	32.83
2024	1.94	0.44	2.57	4.03	5.32	7.01	6.15	M	M	M	M	M	M

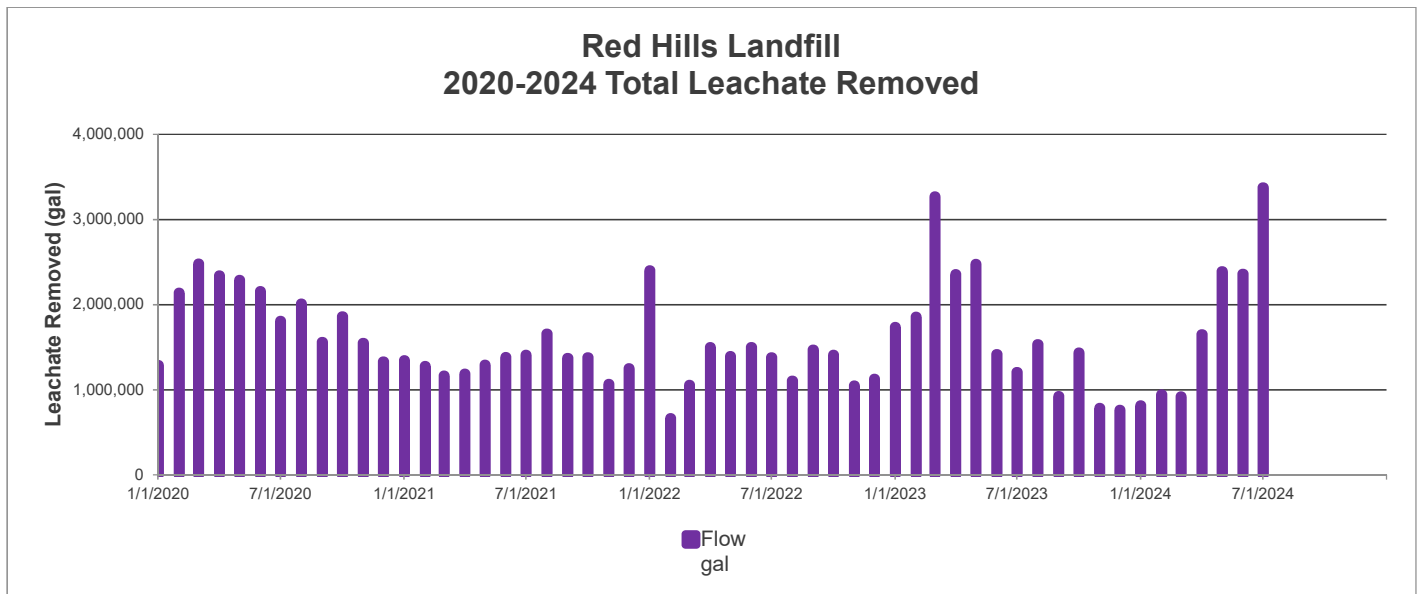
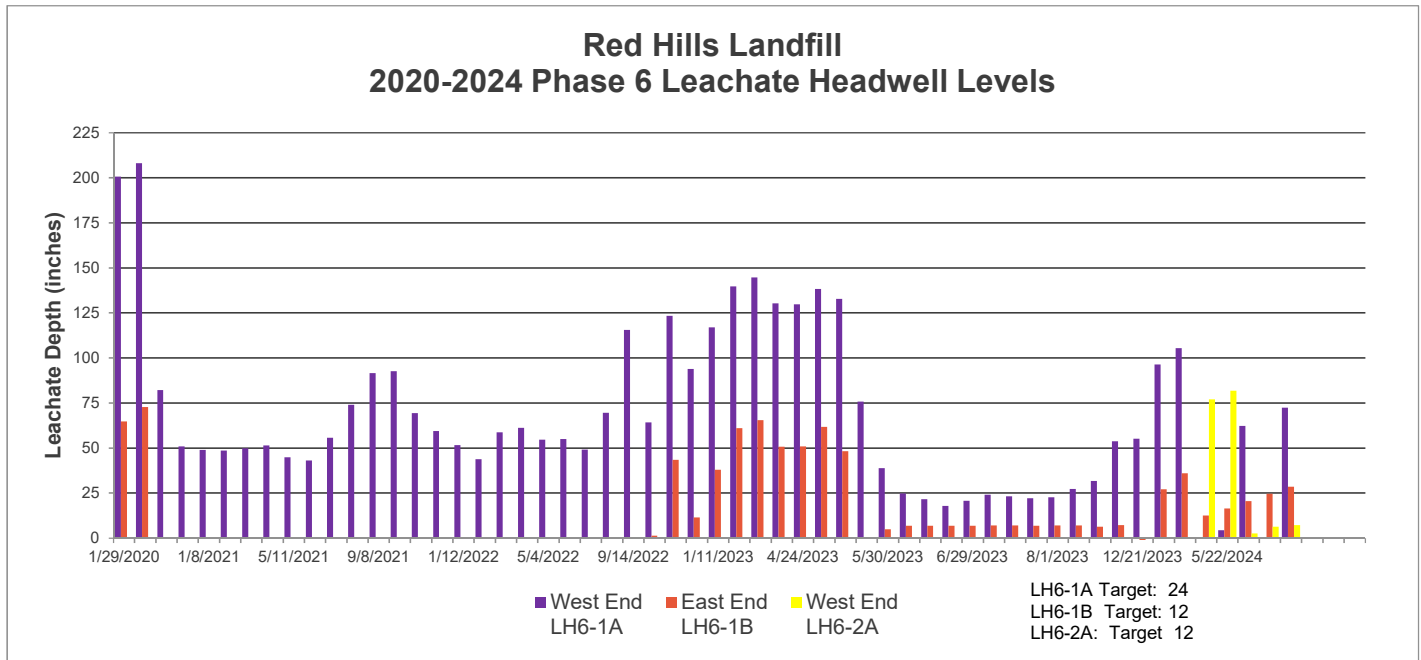
The driving rains this summer have disturbed the cells. Some areas of the landfill are too wet to safely maneuver equipment onto, preventing the coverage of material in those areas.

Ahlstrom purchased a tanker to help remove standing water at Red Hills. From April through July – 824,000 gallons removed. Utilizing the tanker truck to remove standing leachate may also be contributing to the odor by drawing down the fluid covered areas and exposing materials to the air. In the long run, the removal of the standing leachate by tanker can allow the cell to crust over and eliminate the anoxic scenario that causes the odor.



Leachate Levels & Flow

The graph below shows the historical leachate levels for Phase 6 Sequence 1 and 2. The levels did climb over the Winter, but they have been brought down and kept under control this Summer. The bottom graph shows the total leachate removed by month. The last three months have been much higher than the historical average.



Ahlstrom has been proactive on checking leachate lines by increasing the frequency of jetting to every other month, April, June and August. This was done to ensure that the most leachate can be moved efficiently through to the city.

Cell Condition

Phase 6, Sequence 1A - West Module looking south



Phase 6, Sequence 1C -East Module looking north – beginning to crust over again



Phase 6, Sequence 1B -Center Module looking north

