

**January 2026
Monthly Progress Update
Former Circle K 1461, Seattle, WA**

Purpose.

To provide monthly progress updates under Contract: C2400059 to the State of Washington, Department of Ecology on work progress, upcoming activities, schedule updates, and deliverable status.

This Monthly Progress Update Report for the period covering 01 January 2026 through 31 January 2026 for the Former Circle K 1461 Site in Seattle, WA.

Summary of operations, monitoring, and maintenance activities performed during the reporting period.

- ERRG continued operation, monitoring, and maintenance of the system under Phase 1 conditions.
- No system alarm conditions were experienced following additional cleaning of LGAC inlet filters and piping on December 22, 2025.
- ERRG performed monitoring and sampling as follows:
 - Task 3, Subtask 3B – monthly vapor monitoring for VOCs with PID at vapor treatment system (Vapor GAC) influent, midpoint and effluent on January 6, 2025, and January 27, 2025.
 - Task 3, Subtask 3B – monthly vapor monitoring for VOCs with PID at active extraction wells on January 13, 2025.
 - Task 3, Subtask 3B – quarterly vapor sampling of vapor treatment system for VOCs using Summa canisters on January 13, 2026.
 - Task 3, Subtask 3C – quarterly water treatment sampling performed at influent, midpoint, and effluent of liquid GAC vessel trains for BTEX, GRO, FOG, and select CVOCs on January 13, 2025

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Summary of system performance:

- System flows range 90 to 130 cfm.
- Approximately 6,345 gallons of treated water was discharged.
- System vapor concentrations presented in table below.

Analyte	Inlet Concentration	Effluent Concentration	Control Efficiency ¹	Influent Emission	Influent Rates to Operate without Controls ²	Effluent Emissions ³	SQER	Di Minimis
PID calibrated to isobutylene (x 3.4 hexane conversion factor) – Vapor GAC January 6, 2025	27.1 ppm x 3.4 = 92.14 ppm	0.0 ppm x 3.4 = 0.0 ppm	100%	N/A	N/A	N/A	N/A	N/A
PID calibrated to isobutylene (x 3.4 hexane conversion factor) – Vapor GAC January 27, 2025	26.7 ppm x 3.4 = 90.78 ppm	0.2 x 3.4 = 0.68 ppm	99.25%	N/A	N/A	N/A	N/A	N/A
TPH (GRO) – Vapor GAC	74,400 µg/m ³	826 U µg/m ³	100%	0.67 lb/24-hr	2.74 lb/24-hr	2.71 lb/year	N/A	N/A
n-hexane – Vapor GAC	2,850 µg/m ³	2.22 U µg/m ³	100%	0.026 lb/24-hr	N/A	0.000020 lb/24-hr	52 lb/24-hr	2.6 lb/24-hr
Benzene – Vapor GAC	396 µg/m ³	0.639 U µg/m ³	100 %	0.0036 lb/24-hr	0.18 lb/24-hr	0.0021 lb/year	21 lb/year	10 lb/year

Notes:

1. The control efficiency of the MPE system abatement device shall meet the following requirements, as applicable:

- a. ≥97% if inlet TPH ≥ 200 ppmv, measured as hexane or its equivalent; or,
- b. ≥90% if inlet TPH < 200 ppmv, measured as hexane or its equivalent; or
- c. ≤10 ppmv at the outlet of the control device, measured as hexane or its equivalent.

2. The owner or operator may operate the soil vapor extraction system without any controls when inlet sampling data from two or more consecutive months shows all of the following:

- a. Pre-control TPH emission rate is equal to or less than 2.74 lbs/day
- b. Pre-control Benzene emission rate is equal to or less than 0.018 lbs/day.

3. Estimated emissions based on system flow 100 cubic feet per minute.

N/A = not applicable

MPE = multiphase extraction

PID = photoionization device

ppm = parts per million

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Summary of operations, monitoring, and maintenance activities to be performed in the next month.

- ERRG to continue operation of system and perform monitoring and sampling as follows:
 - Task 1 – perform monthly and as-needed O&M activities for Phase 1 operation with Vapor GAC treatment.
 - Task 1 – perform Vapor GAC changeout if needed.
 - Task 3, Subtask 3B – monthly vapor monitoring for VOCs with PID at vapor treatment system (Vapor GAC) influent, midpoint and effluent and active extraction wells.
 - Task 3, Subtask 3C – monthly water treatment sampling performed at midpoint of liquid GAC vessel trains for BTEX.
 - Task 3, Subtask 3D – quarterly groundwater monitoring and sampling for BTEX, GRO, and select CVOCs.
- ERRG to submit the following deliverables:
 - January 2026 Monthly progress update
 - Fourth Quarter 2025/Annual 2025 Remedial Report

Comparison of work completed to scheduled activities.

- Operation, monitoring, and maintenance activities completed as required when system was active.

Potential problems identified and suggested resolutions.

- Limited extraction to approximately 3-4 extraction wells to maintain adequate vacuum and managing influent concentrations to vapor GAC vessels to extend life of carbon.
- Evaluate February 2026 groundwater results to assess transition to Phase 2.

Deliverables submitted during the reporting period.

- December Monthly Progress Update on January 16, 2026.

EIM field and laboratory analytical results submitted during the reporting period.

- EIM data uploaded: none
- Laboratory results submitted: none