

SOLID WASTE FACILITY PERMIT # PT0004938 (SW-027)

Issued by the Snohomish Health District in accordance with the provisions of Chapter 70A.205 of the Revised Code of Washington (RCW), Chapter 173-350 of the Washington Administrative Code (WAC) and the Snohomish Health District Code, Chapters 2.15 and 2.20 (Adopted text of WAC 173-350).

PERMIT PERIOD: July 1, 2022 TO JUNE 30, 2023

PERMITTEE AND ADMINISTRATIVE INFORMATION

NAME OF FACILITY: Go East Landfill

FACILITY LOCATION: 4330 108th St SE
Everett, WA 98208

FACILITY OWNER: P&GE, LLC

FACILITY OPERATOR: Martin Penhallegon, PE
PHONE: 425-827-2014
EMAIL: martyp@paceengrs.com

PERMIT TYPE: Closed Limited Purpose Landfill

The conditions of this permit are contained on the following pages. This permit is the property of the Snohomish Health District and may be suspended or revoked upon violation of any rules and regulations applicable hereto. This permit is not transferable to a different site or business owner, and must be renewed annually. This permit or a legible copy must be displayed or stored in a manner that allows easy access by operating personnel.

SECTION I: STANDARD PERMIT CONDITIONS

- A. This permit shall remain the property of the Snohomish Health District (Health District). The permit may be revoked, suspended, or amended upon violation of any applicable local, state, or federal laws, or any of the conditions of this permit; or the permittee proposes significant changes to operation. If the permit is revoked, there is a procedure specified in the Snohomish Health District Code, Chapters 2.15, *Solid Waste Handling Regulations*; and 2.20, Chapter 173-350 WAC *Solid Waste Handling Standards*, to appeal the revocation.
- B. As a general condition of this permit, the permittee shall comply with the Snohomish Health District Code, Chapters 2.15, *Solid Waste Handling Regulations*; and 2.20, Chapter 173-350 WAC *Solid Waste Handling Standards*; or other regulations which may be subsequently adopted that affect this facility. Where any conflicts between any regulations are present, the more stringent regulations shall be in effect.
- C. All conditions of this permit shall be followed for the permittee to remain in compliance. The permittee shall be responsible for all acts and omissions of all contractors and agents of the permittee. This requirement shall continue for the life of the site, including post-closure activity.
- D. By applicant's receipt of this permit, applicant grants permission to any duly authorized officer, employee, or representative of the Health Officer of Snohomish Health District, or Washington Department of Ecology (Ecology), to enter and inspect the permitted facility at any reasonable time for the purpose of determining compliance with the Snohomish Health District Code, Chapters 2.15, *Solid Waste Handling Regulations*; and 2.20, Chapter 173-350 WAC *Solid Waste Handling Standards*, and/or the conditions of this permit.
- E. This permit, or a legible copy of the original, shall be displayed or stored in a manner which allows easy access.
- F. This permit shall be subject to suspension or revocation if the Health District finds:
1. That the permit was obtained by misrepresenting or omitting any information that could have affected the issuance of the permit or will affect the current operation of the facility;
 2. That there has been a violation of any of the conditions contained in this permit.
- G. This permit may be amended by the Health District. More stringent restrictions may be imposed on the facility during the period the permit is valid. Amendments shall be made in writing and become specific conditions of the permit.
- H. The post-closure permit shall be renewed annually, and, if needed, changed or additional conditions may be added to the permit at the time of renewal.

SECTION II: PERFORMANCE STANDARDS

In accordance with WAC 173-350-040, the owner or operator shall:

- A. Design, construct, operate, close, and provide post-closure care as applicable, at any solid waste facility in a manner that does not pose a threat to human health or the environment;
- B. Comply with all other applicable local, state, and federal laws and regulations.

If the performance standards are not met, corrective actions (approved by the Health District) shall be designed, implemented, and enforced on a time schedule approved by the Health District.

SECTION III: SPECIFIC CONDITIONS

- A. The permittee has completed pertinent landfill closure activities in the Go East Landfill Closure Plan (revised January 2018) and the Go East Landfill Closure Design Plans and Specifications (revised June 23, 2021), subject to completion of the following activities:
 - 1. Placement of one-foot of topsoil and vegetative cover on the landfill.
 - 2. Finalization and approval of the Go East Landfill Construction Quality Assurance Report, in accordance with WAC 173-350-400(5)(b) and WAC 173-350-400(8)(d).
 - 3. Filing an environmental covenant following closure of the limited purpose landfill in accordance with WAC 173-350-400(8)(e).
- B. The permittee is required to complete remedial action activities in accordance with WAC 173-350-900, WAC 173-340, and Agreed Order No. DE 18121 between P&GE, LLC and Ecology, dated January 29, 2021. Specifically, P&GE should submit applicable interim action reports, a Remedial Investigation/Feasibility Study (RI/FS) report, and a draft Cleanup Action Plan to Ecology. Ecology will finalize the Cleanup Action Plan following the requisite public comment period.
- C. Post-closure care activities shall be conducted in compliance with Snohomish Health District Code, Chapters 2.15 and 2.20; Chapter 173-350 WAC; and the conditions of this permit.
- D. Post-closure care shall be performed in accordance with WAC 173-350-400(11) for as long as necessary for the landfill to become functionally stable. Post-closure care must consist of the following activities defined in WAC 173-350-400(11)(a):
 - 1. Maintaining the integrity and effectiveness of any final cover, including making repairs to the cover as necessary to correct the effects of settlement, subsidence, erosion, maintaining the vegetative cover (including cutting of vegetation when needed) or other events, and preventing run-on and runoff from eroding or otherwise damaging the final cover. The permittee shall be responsible for these activities during this annual permit period.
 - 2. Monitoring the groundwater, surface water, leachate, landfill gas, and landfill settlement according to the applicable monitoring plans, including any monitoring of remedial measures if applicable, and maintaining all monitoring systems;

3. Permittee is responsible for additional post-closure activities listed in WAC 173-350-400(11)(a), as warranted, based on monitoring results and applicable Cleanup Action Plan requirements.

E. Functional stability criteria are defined in WAC 173-350-400(11)(b) for leachate, landfill gas, settlement and cover integrity, and groundwater quality. Specific post-closure care criteria are identified in Ecology Publication No. 11-07-006 (Preparing for Termination of Post-Closure Activities at Landfills Closed Under Chapter 173-304 WAC) and its 2013 Addendum.

F. Groundwater and Surface Water Monitoring:

1. The permittee shall perform groundwater and surface water monitoring pursuant to the Remedial Investigation (RI) Work Plan (GeoEngineers, June 30, 2021). The RI Work Plan specifies quarterly sampling of groundwater in nine monitoring wells (MW-1 to MW-10, excluding decommissioned monitoring well MW-4) and quarterly sampling of surface water released from the spring box at the toe of the northeast landfill slope for parameters listed in Section 7.3 of the RI Work Plan. The RI Work Plan specifies four quarters of sampling, which was initiated in the fall of 2021 for a subset of monitoring wells.
2. The permittee shall abide by an interim sampling program after completing RI Work Plan sampling scope of work. The interim sampling scope is consistent with WAC 173-350-500(4)(g), (h), and (i). The nine monitoring wells and spring box shall be sampled at least semi-annually for:
 - i. Field parameters listed in WAC 173-350-500(4)(h)(i): pH, specific conductance, temperature, and static water level.
 - ii. Geochemical indicator parameters listed in WAC 173-350-500(4)(h)(ii): alkalinity (as CaCO_3), bicarbonate (HCO_3), dissolved calcium, chloride, total and dissolved iron, total and dissolved magnesium, total and dissolved manganese, nitrate, dissolved potassium, dissolved sodium, and sulfate.
 - iii. Leachate indicator parameters listed in WAC 173-350-500(4)(h)(iii): ammonia, total organic carbon, and total dissolved solids.
 - iv. Pertinent constituents based on site-specific waste profile: polycyclic aromatic hydrocarbons and total arsenic.
3. The interim sampling program shall be performed until superseded by an approved post-closure plan that adopts the Cleanup Action Plan.
4. The permittee shall submit a quarterly monitoring report to the Health District and Ecology that compares the cumulative groundwater and surface water monitoring results to preliminary cleanup levels in tabular form. The permittee shall submit sampling results to Ecology's Environmental Information Management (EIM) database within 60 days of sampling. The annual monitoring report required in WAC 173-350-500(5)(c) is waived pending the finalization of the Cleanup Action Plan.

G. Landfill Gas Monitoring:

1. The permittee shall abide by the Landfill Gas Monitoring and Contingency Plan (Vitek Environmental Engineers, March 18, 2022).
2. The permittee shall abide by notification procedures in Figure A.2.2 (Flow Chart for Triggers and Contingent Actions for Perimeter Probe Monitoring Actions) of this plan.
3. The permittee shall report landfill gas monitoring activities, results, and recommendations to the Health District in the landfill post-closure monitoring annual

report. The annual report shall be limited to landfill gas monitoring and contingencies until the Cleanup Action Plan is finalized.

- H. Any entity, including but not limited to a homeowners association, individual, or corporation, that assumes ownership must comply with all applicable laws, regulations, and permit conditions.

SECTION IV: REPORTING REQUIREMENTS FOR POST-CLOSURE

All reporting, including but not limited to groundwater and surface water monitoring reports, landfill gas reports, and annual reports, shall be submitted to the Health District and Ecology. Groundwater and surface water monitoring results should be submitted to Ecology's Environmental Information Management (EIM) database within 60 days of sampling. Quarterly and annual monitoring reports must be signed and stamped by a licensed professional that meets the requirements of Chapters 18.43 or 18.220 RCW, as applicable.

SECTION V: FINANCIAL ASSURANCE FOR POST-CLOSURE

- A. The permittee is required to continuously maintain financial assurance for closure and post-closure in accordance with WAC 173-350-400(9) and WAC 173-350-600.
- B. The permittee provided a closure cost estimate for the first year of this permit and shall provide an updated closure cost estimate for completing unfinished closure tasks, i.e., furnishing a one-foot thick vegetative cover on the landfill, for any conditional closure of the landfill, in accordance with WAC 173-350-600(4) if requested by District.
- C. The permittee shall provide a post-closure cost estimate in accordance with WAC 173-350-600(5). The permittee must review the post-closure cost estimate annually for completed milestones, functional stability, and approved inflation rates based on the applicable post-closure plans and cost estimate assumptions. The permittee must prepare a new post-closure cost estimate for the remainder of the post-closure care period whenever a change in the post-closure plan(s) increase(s) or decrease(s) the cost of post-closure care. The post-closure cost estimate must be submitted to the Health District by April 1st of each calendar year.
- D. The permittee must provide one or more financial assurance instruments in accordance with WAC 173-350-600(2). The financial assurance should provide sufficient resources for the closure and post-closure cost estimates. An existing assignment of \$25,000 and a bond in the amount of \$497,000 have been posted and shall be affirmed, renewed, or extended to cover the year of this permit.
- E. The financial assurance instruments and any associated accounts are subject to establishment, reporting, and withdrawal requirements in WAC 173-350-600(6) and (7).
- F. The permit obligations include post-closure detention pond monitoring and repair activities. Such obligations may be secured by inclusion in a Performance Bond or an alternative security may be provided in the form of an assignment of funds and trust securing performance to the district.

SECTION VI: COMPLIANCE SCHEDULE
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- A. Place a minimum one-foot soil cover above the current one-foot sand layer that is constructed above the geomembrane cover of the landfill. The soil cover should be placed and hydroseeded no later than July 31, 2022.
- B. The final Construction Quality Assurance Report must be submitted to Snohomish Health District by July 15, 2022.