

February 5, 2015

Alexis McKinnon  
Kitsap County Public Works  
614 Division Street, MS-27  
Port Orchard, WA 98366

RECEIVED  
FEB 09 2015  
DEPT OF ECOLOGY  
TCP - NWRO

RE: HANSVILLE LANDFILL POST CLOSURE PERMIT 2015 TO 2020

Dear Ms. McKinnon:

Attached is the Hansville Landfill Post Closure Permit for 2015 to 2020, as worked out between the Kitsap Public Health District and Kitsap County Public Works. If you have any questions or comments please feel free to contact me at (360) 337-5605.

Sincerely,



Grant A. Holdcroft, R.S.  
Environmental Health Specialist  
Solid and Hazardous Waste Program

cc: Jan Brower, KPHD

Madeline Wall - W2R/NWRO  
Washington State Dept. of Ecology  
3190 160<sup>th</sup> Ave. SE  
Bellevue, WA 98008-5452

David South -TCP/NWRO  
Washington State Dept. of Ecology  
3190 160<sup>th</sup> Ave. SE  
Bellevue, WA 98008-5452

# ***KITSAP PUBLIC HEALTH DISTRICT***

**2015-2020**

## **LANDFILL POST CLOSURE PERMIT**

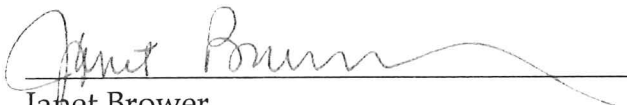
Issued in accordance with the provisions of Chapter 173-304 of the Washington Administrative Code (WAC) and Kitsap County Board of Health Ordinance 2010-1 "Solid Waste Regulations."

PERMIT PERIOD: February 5, 2015 to December 31, 2020

### **SECTION I. PERMITTEE AND ADMINISTRATION INFORMATION**

|                    |  |
|--------------------|--|
| FACILITY TYPE:     | Mixed Municipal Solid Waste Landfill<br>(Closed Under Chapter 173-304 WAC in May 1989) |
| ANNUAL PERMIT FEE: | \$109/hr, not to exceed \$10,000/yr  |
| FACILITY NAME:     | Hansville Landfill   |
| FACILITY LOCATION: | Ecology Rd. next to Hansville Drop Box facility  |
| FACILITY OWNER:    | Kitsap County Department of Public Works   |
| CONTACT PERSON:    | Ms. Alexis McKinnon  |
| TITLE:             | Landfill Specialist  |
| OWNER ADDRESS:     | 614 Division Street, MS-27, Port Orchard, WA 98366                                     |
| OWNER PHONE:       | (360) 337-5665   |

This permit is the property of the Kitsap Public Health District and may be suspended or revoked, after opportunity for hearing, upon violation of any rules and regulations applicable hereto. This permit is not transferable and must be renewed every 5 years. The terms of this permit remain in effect until the date the next permit is issued.



Janet Brower  
Program Manager  
Solid and Hazardous Waste Program

2/5/2015

Date

File Location: shw/landfills/hansville/permits  
Date Prepared: February 2, 2015  
Date Issued: February 5, 2015

## SECTION II. STANDARD PERMIT CONDITIONS

- A. Terms pertaining to solid waste used in this permit shall be as defined per Kitsap County Board of Health (KCBH) Ordinance 2010-1, in Section 100, as amended.
- B. All conditions of this permit shall be binding upon, and the permittee shall be responsible for, all acts and omissions of all contractors and agents of the permittee for the term of the permit and post-closure period.
- C. The permittee shall notify the Kitsap Public Health District (Health District) in writing in advance of any alterations or changes planned in the post-closure plan (aka the Final Closure Plan), when these changes are different or absent from this permit. All alterations or additions to the maintenance and closure of the facility must be included in written plans approved by the Health District before implementation. These alterations and changes would be consistent with all requirements under MTCA and be conducted only after consultation with Ecology, as long as the Consent Decree is in effect.
- D. Facility maintenance during post-closure shall be conducted in strict compliance with KCBH Ordinance 2010-1, Solid Waste Regulations, (Chapter 173-304 WAC adopted by reference) as amended, and the specific conditions of this permit. In the event of conflict between state and local regulations, the more stringent requirement shall apply.
- E. The Health Officer or his/her duly authorized inspector, or any duly authorized representative of the Washington State Department of Ecology, may, upon giving a minimum 3-day notice prior to entry, enter and inspect any building, structure, property, or portion thereof, at any reasonable time for the purpose of determining compliance with the provisions of this permit, or the provisions of other applicable rules and regulations, or whenever the Health Officer has reason to believe that a violation of this permit has been or is being committed. Entry shall not be unreasonably denied by the permittee, or his/her agent, but may be conditioned on the permittee or an agent of the permittee escorting the inspector, with said escort to be provided immediately upon request. Wet weather inspections conducted during significant rain events may be conducted with prior notice, but not necessarily providing a minimum 3-day notice depending upon conditions.
- F. The permittee shall report all instances of non-compliance (except regulatory exceedances which are outlined in Section IV.E.2.b) in writing in the quarterly report following discovery. Instances of non-compliance which may result in potential public health risk and/or environmental damage shall be reported immediately.

- G. This permit or copy thereof shall be located where it can be readily referred to by oversight personnel.
- H. This permit may be amended by the Health District. Amendments shall be made in writing and become specific conditions of the permit. Proposed amendments will be forwarded to the permittee for a fifteen (15) day review and comment period, unless otherwise waived in writing by the Health District. Upon consideration of the permittee's comments, the final amendment will be issued and become effective. The permittee review and comment period may be waived by the Health District and the permittee in emergencies where there is an imminent threat to human health or the environment.

### SECTION III. FEES

- A. The permittee shall pay an annual permit fee as a condition of permit issuance. As provided for in WAC 173-304-600(2)(e), the Health District may establish reasonable fees for permits and permit renewals. The current annual fee for this permit is shown in Section I. This fee is an estimate of both routine and non-routine activities. The annual permit fee covers the following Health District activities and is based on the time expended by the Health District billed at the approved billing rate in the current fee schedule as provided for in Health District's current Fee Schedule.
1. Reviewing/commenting on three Quarterly Monitoring Reports.
  2. Reviewing/commenting on one Annual Report.
  3. Meet with permit holder annually to discuss the status of the facility and, *to the extent possible, identify proposed Health District activities or requirements related to the facility that would require fees in addition to the Annual Permit Fee.*
  4. Permit drafting/issuance.
  5. Plan and/or design review.
  6. Four site inspections and associated inspection reports.
  7. Administrative costs including routine communications, supervisor review of documents, and billing invoices.
  8. Health District oversight and review required as a result of the Health District's determination that the operation is in non-compliance with this permit and/or applicable regulations;
  9. Health District participation in MTCA review, comment, and meetings through 2019;
  10. Amendments to the existing permit;
  11. Report, plan, or design review associated with any corrective action or to correct non-compliance at the facility; or

12. Other permit related work beyond those items listed in Section III.A. above.
- B. The permit fee will be invoiced annually. Whenever a fee is assessed a Health District billing invoice will be sent to the permittee at the address provided by the permittee. A copy of the billing invoice with a check or money order for the assessed amount shall be sent by the permittee to the Health District and within thirty (30) days of receipt. Payment and a copy of the invoice shall be sent to:
- Kitsap Public Health District  
Accounting Office  
345 6<sup>th</sup> Street, Suite 300  
Bremerton, WA 98337-1866
- C. The maximum permit fee shall not exceed \$10,000 per year.

#### SECTION IV. SPECIFIC PERMIT CONDITIONS

*As stated in Section II.C. above, this landfill is undergoing a longterm MTCA cleanup action. Many of the Specific Permit Conditions are superceded by the MTCA Consent Decree and its appendices. Specific portions of the governing regulations for this landfill are not covered by the Consent Decree and its appendices. Appendix A is attached so that the delineation between requirements under MTCA and this Solid Waste Handling Permit are clear.*

**The following specific permit conditions shall be consistent with all requirements under MTCA and the Consent Decree, and shall be implemented, conducted, and required only after consultation with Ecology, as long as the Consent Decree is in effect.**

##### A. Plan of Maintenance and Post-Closure

1. The permittee shall provide post-closure activities to allow for continued facility maintenance and monitoring of air, land, and ground and surface waters, as long as necessary for the facility to stabilize, to protect human health and the environment as determined by the Health District. These post-closure activities shall be conducted in strict compliance with Chapter 173-304 WAC, KCBH Ordinance 2010-1, Hansville Landfill Cleanup Action Plan (CAP) (June 2011), the Hansville Landfill Compliance Monitoring Plan (with Addendum dated September 2012), the approved post-closure plan "Hansville Sanitary Landfill, Final Closure Plan", Parametrix, Revised June 1994, as amended, and the conditions of this permit.
2. Post-closure activities include, but are not limited to, the following: ground water monitoring; surface water monitoring; landfill gas monitoring; and proper

operation and maintenance of the facility, facility structures, and facility monitoring systems for their intended use for a period of no less than twenty years from the date of final closure (1989) or until post closure performance standards are met (per WAC 173-304-405 (6)).

3. The permittee shall close and maintain the landfill in accordance with the regulations stipulated in Section II.D. of this permit and in conformance with the Health District approved post-closure plan noted in 1 above, which includes, but is not limited to the actions specified in Section IV.A.2. above. Closure activities not in conformance with these regulations and this plan shall be considered in violation of this permit.
  4. The Health District may determine that the facility post-closure plan is invalid and require the permittee to amend the facility post-closure plan for approval by the Health District.
  5. When the Health District determines that a facility post-closure plan amendment is required, the Health District shall, after consultation with the permittee, designate a compliance schedule for submittal of the amendment and its review and approval.
  6. The Health District may direct facility post-closure activities to cease, in part or whole, until the post-closure plan amendment has received written approval by the Health District. This does not apply to activities that are a part of the MTCA Consent Decree.
  7. When post-closure activities are complete, the permittee shall certify to the Health District that the facility is stabilized and state why post-closure activities are no longer necessary. The certification shall be signed by the permittee and a professional engineer registered in the State of Washington.
  8. Should contradictions arise between the CAP and Post-Closure permit, the relevant parties shall be consulted, a resolution crafted, and documented in the appropriate instrument. In cases where the parties cannot be consulted then the more stringent requirement shall apply.
- B. Minimum Functional Standards for Maintenance. The permittee shall provide all activities necessary to allow for continued facility maintenance. These activities include, but are not limited to:
1. Stormwater quantity and quality control;
  2. Slope stability, erosion and dust control;
  3. Maintenance of access roads and ditches;

4. Maintenance of facility structures and systems (i.e., stormwater, landfill cover, gas control, surface and ground water monitoring, etc.);
5. Control and minimization, or elimination, of threats to human health and environment; and
6. Unauthorized entry at the facility shall be controlled, at minimum, by means of a lockable gate, barrier, fence, etc., at the property boundary.

C. Minimum Standards for Performance. The permittee shall provide all activities necessary to allow for the continued monitoring of air, land, and water as long as is necessary for the facility to stabilize and to protect human health and environment.

D. Minimum Environmental Monitoring Requirements.

The minimum environmental monitoring requirements specified herein are subject to revision by the Health District based on the Health District's review of reports and plans required through this permit. All environmental monitoring, at a minimum, shall be performed in accordance with the approved Hansville Landfill CAP, the Hansville Landfill Compliance Monitoring Plan, and the approved closure plan for the facility, as amended.

E. Reporting Requirements. All reports specified herein must be forwarded to the Health District representative responsible for this permit, and to the Solid Waste Supervisor, Department of Ecology Northwest Regional Office, Waste 2 Resources, 3190 160th Avenue S.E., Bellevue, WA 98008-5452.

1. Annual Report.

a. Annual report due April 1, following each calendar year.

b. The permittee shall prepare and submit one copy and one CD of the annual report to the Health District, and one copy and one CD to Ecology. The last annual report of the permit cycle will serve as the permit application for the next year's permit. The annual report shall cover facility activities during the previous calendar year and must include, at a minimum, the following information:

1) Name and address of the facility.

2) Calendar year covered by the report.

3) A summary of all ground water, surface water, and landfill gas monitoring will be provided in accordance with the Hansville Landfill



Cleanup Action Plan, which includes the Hansville Landfill Compliance Monitoring Plan. The summary shall contain the results of applicable statistical analyses, explanations for increasing/decreasing contaminant level trends, confidence intervals and if outliers were discarded, a justification for this action. Time series plots shall be generated for each assessment monitoring well that has been identified for sampling in the current CAP. These time series plots shall include each constituent that exceeded groundwater quality standards in the past year or identified as a chemical of concern in the RI/FS. All statistically significant increasing/decreasing contaminant level trends and exceedances of ground water, surface water, or air quality standards as described in Section IV shall be reported and explained to the extent possible, and if deemed necessary, a summary of actions taken to verify results. Additionally, if the trends shows either no improvement or increasing contaminate levels or exceedances are detected at or beyond the point of compliance, and if not already covered under the CAP, a plan of action shall be included which describes what activities will be taken to correct the statically significantly elevated contaminants or exceedances, and the expected time frame required to do so. The summary shall also contain a description of the ground water flow rate and direction in the uppermost aquifer. Any changes in the number or location of monitoring systems shall also be noted and explained.

- 4) A description of the next year's proposed environmental monitoring program, operations, and maintenance activities, if there are any changes to the CAP or the Post-Closure Plan.
- 5) A summary of all activities related to the inspection, maintenance, and engineering of the facility and its systems. All field data sheets, inspection and log forms shall be made available to the Health District upon request.
- 6) An explanation of causes and effects of all instances of non-compliance with the provisions of this permit and a summary of how these issues were or are being corrected, and if not already covered under the CAP.

## 2. Quarterly Environmental Monitoring Reports.

- a. The permittee shall prepare and submit written quarterly environmental monitoring reports to report the information gathered under the Hansville Landfill CAP (June 2011). Gas, surface and ground water monitoring data shall be summarized, evaluated, and compared with all applicable



standards, and shall also be submitted in hard copy form. All monitoring data shall be reported in detail on a quarterly basis. Results and summary of the fourth quarter sampling event shall be combined with the annual report.

- b. Environmental monitoring reports shall be submitted to the Health District and Ecology within sixty (60) days of the end of the quarter for which they are due. If the report cannot be submitted within sixty (60) days, the Health District will be notified prior to the end of sixty (60) days as to the status of the report and when it will be submitted. In no event shall monitoring reports be submitted more than seventy (70) days after the end of the quarter for which they are due.

## Appendix A

The following is a list of requirements from Chapter 173-304 WAC that could not be found in the Consent Decree or its appendices (the CAP or the Compliance Monitoring Plan). To the best of our ability, we attempted to include all sections that would apply to the Hansville Landfill's post closure:

- Operator inspections found in Section 405(5)
- Closure plan and post closure plans found in Section 407(4).
- Facility maintenance activities found in Section 407(7), and Section 460(4).
- Other activities deemed appropriate by LHJ found in Section 407(7).
- Closure and post closure performance standards found in Section 407, and Section 460(2).
- Restriction of access found in Section 460(3)(g).
- Financial assurance found in Section 467.
- Access to landfill for inspections found in Section 600 (5).
- Notifications found in multiple sections for major maintenance operations, and exceedances of Ground Water Standards, etc.