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Public Health
Seattle & King County

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King County DNRP
OCT 18 2010
Solid Waste Division
Engineering Services Section

MEMORANDUM

October 8, 2010

TO: Kevin Kiernan, Director, Solid Waste Division
King County Department of Natural Resources & Parks

FM: Ngozi T. Oleru, Ph.D., Director, Environmental Health Services Division
Seattle-King County Department of Public Health

RE: **Vashon Closed Landfill – Municipal Solid Waste Handling Permit**

Greetings: We are providing you your copy of the Vashon Closed Landfill - Municipal Solid Waste Handling Permit (the Permit) issued to the King County Solid Waste Division, Department of Natural Resources & Parks by Seattle-King County Department of Public Health (SKCDPH) (aka Public Health – Seattle & King County). Additionally, in the paragraphs below, we detail our review and findings for issuance of this permit. We look forward to working with you to ensure that the operation of Vashon Closed Landfill meets the requirements and provisions of Chapters 173-351 and 173-350 of the Washington Administrative Code (WAC) and applicable provisions of the Code of the King County Board of Health Solid Waste Regulations (KCBOH Title 10) and the conditions in the above referenced permit.

Evaluation of Permit Application for Vashon Closed Landfill

SKCDPH has reviewed the application and all information in the public record, and found the application consistent with the requirements of Chapter 173-351 WAC - CRITERIA FOR MUNICIPAL SOLID WASTE LANDFILLS. SKCDPH's evaluation of the King County Solid Waste Division's application for a Municipal Solid Waste Handling Permit included a review of the Municipal Solid Waste Landfill (MSWLF) Permit Application requirements which included: (1) Engineering Reports; (2) Engineering Plans; (3) Plan of Operations; (4) Hydrogeologic Report and Water Quality Monitoring Plan; (5) Financial Assurance Plan.

WA Department of Ecology Concurrence

The Washington State Department of Ecology has reviewed the application and found it consistent with Chapter 173-351 WAC. Further, pursuant to WAC 173-351-720(1)(e), the Department of Ecology has recommended that the Permit be issued.

Permit Issuance

The SKCDPH hereby issues the enclosed Permit for Vashon Closed Landfill. All of the conditions and requirements to maintain this Permit are specified within the Permit document itself. The King County Solid Waste Division may submit an application to modify this Permit

as specified in Chapter 173-351 WAC. As circumstances warrant, the SKCDPH may also require modification of this Permit and will notify the Solid Waste Division in writing in the event that modification becomes necessary.

If you have any questions regarding this Permit, please call Bill Lasby, Solid Waste Program Supervisor, at 263-8495; or Ed Davis, Health & Environmental Investigator III at 263-8518.

Attachments

cc: Honorable Dow Constantine, King County Executive

The Honorable Jan Drago, King County Councilmember, District 8

Peter Christiansen, Solid Waste Program Manager, WA Department of Ecology, Northwest Regional Office (NWRO)

Sally Safioles, LHG, WA Department of Ecology, NWRO

Madeline Wall, Environmental Engineer, WA Department of Ecology, NWRO

Victor Okereke, Engineering Services Manager, Solid Waste Division (SWD)

Ann Holmes, Supervising Engineer, Solid Waste Division (SWD)

Dan Swope, Engineer II, Solid Waste Division (SWD)

Jane McKenzie, Deputy Prosecuting Attorney, King County Prosecuting Attorneys Office, Civil Division

David Fleming, Director, Public Health, Seattle & King County (PHSKC)

Bill Lawrence, Manager, Environmental Hazard Section, PHSKC

Bill Lasby, Solid Waste Program Supervisor, PHSKC

Roman Welyczko, Code Enforcement Coordinator, PHSKC

Ed Davis, Health & Environmental Investigator III, Solid Waste Program, PHSKC

SEATTLE-KING COUNTY DEPARTMENT OF PUBLIC HEALTH

2009 – 2019

MUNICIPAL SOLID WASTE HANDLING PERMIT

VASHON LANDFILL (Post Closure)

ISSUED TO:

KING COUNTY SOLID WASTE DIVISION
DEPARTMENT OF NATURAL RESOURCES & PARKS

ISSUED BY:

SEATTLE-KING COUNTY DEPARTMENT OF PUBLIC HEALTH

MUNICIPAL SOLID WASTE HANDLING PERMIT

VASHON LANDFILL (Post Closure)

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October 8, 2010

MUNICIPAL SOLID WASTE HANDLING PERMIT

Vashon Landfill (Post-Closure)

Issued by the Seattle-King County Department of Public Health (Public Health) to the King County Solid Waste Division (Permittee) for the purpose of lawful maintenance of the Vashon Landfill in accordance with provisions of Chapters 173-351 and 173-350 of the Washington Administrative Code (WAC) and applicable provisions of the Code of the King County Board of Health Solid Waste Regulations (KCBOH Title 10). All cited regulations shall be as amended.

PERMIT PERIOD: DATES January 1, 2009 – December 31, 2019
Subject to Annual Permit Renewal

SECTION I: PERMITTEE AND ADMINITRATIVE INFORMATION

FACILITY TYPE:	Mixed Municipal Solid Waste Landfill; Surface Impoundment
FACILITY STATUS:	Closed Landfill ; Active Surface Impoundment
FACILITY ADDRESS:	18900 Westside Highway SW, Vashon, WA, 98070
FACILITY PHONE:	(206) 296-4411 (King County Solid Waste Division Engineering Services)
FACILITY LOCATION:	Section 36, T23N, R2E and Section 1, T22N, R2E
FACILITY OPERATOR:	King County Department of Natural Resources and Parks, King County Solid Waste Division (KCSWD)
OWNER ADDRESS:	201 South Jackson Street, Suite 701, Seattle, WA 98104-3855
FACILITY CONTACT:	Victor O. Okereke (206) 296-4422

Ngozi Oleru, Director
Environmental Health Division
Seattle-King County Department of Public Health

10/11/2010
Date

Date of Original Issuance:	July 22, 2004
Date of Reissuance	October 8, 2010
Date of Expiration:	December 31, 2019

Reference Information:

File Name: Vashon Landfill Permit
Date Prepared: October 8, 2010

Application Fee: Paid
Renewal Fee:
Permit # PR0015723

SECTION II: AUTHORIZATION

A. The Permittee is hereby authorized to conduct activities associated with the maintenance of a municipal solid waste landfill (MSWLF) in post-closure condition and an active surface impoundment subject to conformance with the general and specific conditions of this permit and its appendix(es). Activities shall be conducted in compliance with Chapter 173-351 WAC; Chapter 173-350 WAC; the Revised Code of Washington (RCW) 70.95.170; the Code of the King County Board of Health - Title 10; and all applicable federal, state and local regulations (including but not limited to state air quality, water quality and noise regulations). In the event of a conflict between local regulations, state regulations and the conditions of this permit, the more stringent shall apply.

B. This permit is the property of Public Health and may be suspended or revoked according to the terms set forth in Section IX (F). If the permit is suspended or revoked, the Permittee may appeal the action according to the terms of this permit as presented in Section IX (B) and RCW 70.95.210.

C. This permit is transferable only upon the prior written approval of Public Health. Via a separate application, the prospective transferee(s) shall secure approval in accordance with Section IX(A)(1).

D. This permit is subject to yearly renewal and reissuance in accordance with Section IX(C) and Section IX(D).

SECTION III: DEMONSTRATIONS

No demonstrations were necessary in granting this permit.

SECTION IV: DESCRIPTION OF PERMITTED UNITS, SCOPE OF PERMIT, AND AUTHORIZED ACTIVITIES

The Permittee is authorized to conduct the following activities during the specified times at the municipal solid waste landfill described below:

A. MSWLF Unit Name: Vashon Island Landfill - Phase I, Closed

Rules that Apply to this Unit: Chapters Chapter 173-351 WAC and KCBOH Title 10.

Closure Date: 1988

B. MSWLF Unit Name: Vashon Island Landfill - Phase II, Closed

Rules that Apply to this Unit: Chapter 173-351 WAC and KCBOH Title 10.

Closure Date: December 31, 2002

C. Surface Impoundment: Active Leachate Lagoon

Type of Waste authorized at this unit: Landfill leachate collection from closed landfill area

Rules that Apply to this Unit: Chapter 173-350 WAC and KCBOH Title 10

Earliest Authorized Start of Activity: Constructed in 1989
Projected Closure Date: No stop date authorized at this time.

D. Type of Waste Activities Authorized at this Unit: Post-closure operation, maintenance, and monitoring

Rules that Apply to this Unit: Chapter 173-350 and 173-351 WAC, and KCBOH Title 10, and as cited in SECTION V below.

SECTION V: POST CLOSURE PLAN AND OPERATION AND MAINTENANCE PLAN

The Permittee shall perform post-closure activities in accordance with the approved Plan of Operations and Post-Closure Plan (O&M Plan) dated December 29, 2005. Post closure shall be a minimum of 30 years after the completion of final closure and may be extended by Public Health if it is determined that a longer post-closure period is necessary.

No changes may be made to operation and maintenance of the landfill without prior written Public Health approval of an amendment to the O&M Plan. All approved updates and/or amendments must be referenced in an addendum to the O&M Plan. Amendment proposals shall be submitted in writing to Public Health not less than 45 days prior to the proposed implementation of said amendment(s). The Permittee is subject to the specific operational and maintenance conditions listed below:

A. Minimum Standards for Performance

1. Groundwater
   Refer to Groundwater Section VI

2. Surface water
   The Permittee shall not allow discharges of pollutants into water of the State that violate state laws and regulations from point or non-point sources in accordance with the approved O&M Plan and approved engineering plans. Specifically, the Permittee shall not:

   a) Allow a discharge of pollutants into waters of the State, including wetlands, which violates the requirements of Chapter 90.48 RCW "Water Pollution Control"; Chapter 173-201A WAC "Water Quality Standards for Surface Waters of the State of Washington"; Chapter 173-220 WAC "National Pollutant Discharge Elimination System Permit Program"; and Chapter 173-216 WAC "State Waste Discharge Permit Program".

   b) Cause the discharge of a non-point source to waters of the State, including wetlands, that violate any requirements of an area-wide or statewide water quality management plan that has been approved under Section 208 or 319 of the Federal Clean Water Act, as amended.

3. Explosive Gas
The Permittee must control explosive gases to ensure that concentrations of methane do not exceed the standards set forth in WAC 173-351-200(4). Any and all exceedances of these standards shall be reported to Public Health immediately upon their discovery and shall require implementation of control measures to control such gas. Specifically, the Permittee must ensure:
   a. The concentration of methane gas generated by the facility does not exceed twenty five percent (25%) of the lower explosive limit for methane in facility structures (excluding gas control recovery system components);

   b. The concentration of methane gas does not exceed the lower explosive limit for methane at the facility property boundary or beyond; and

   c. The concentration of methane gas does not exceed one hundred (100) parts per million by volume of methane in off-site structures.

4 Air:

   a. Odor and Nuisance Control
   The Permittee shall comply with odor and nuisance control measures established in Regulation I, Section 9, as amended, promulgated by the Puget Sound Clean Air Agency (PSCAA). Effective control measures and equipment shall be installed and operated to control the emission of odor bearing air contaminants. Best available control technology (BACT) shall be used to control odorous emissions.

   b. Landfill Gas Management System and Landfill Gas Odor Controls
   The Permittee shall manage and operate the landfill gas management system in accordance with the approved O&M Plan.

5. Disease Vectors
The Permittee shall prevent or control disease vectors, e.g., mosquitoes and rodents, according to the approved O&M Plan. The plan should emphasize permanent control methods, rather than temporary controls such as the use of pesticides.

6. Run-on/Run-off Control Systems
The Permittee shall maintain the run-on/run-off control systems for the closed landfill according to the approved O&M Plan, the approved engineering plans and the approved Stormwater Management Plan, as amended.

7. Records
The Permittee shall keep all records required by regulation and the O&M Plan at the King County Solid Waste offices located at 201 South Jackson Street, Suite 701, Seattle WA 98104. Copies of these documents shall be provided to Public Health and Ecology upon request and/or as part of the annual report or in other documents routinely submitted like water quality monitoring results. All information contained in the operating record shall be available to Public Health and Ecology upon request at all reasonable times.

8. Maintenance of Monitoring Systems
The Permittee shall maintain the monitoring systems for air, gas, groundwater, and surface water according to the approved O&M Plan and/or the Sampling and Analysis Plan.

9. Facility Inspection
The Permittee shall inspect and maintain leachate systems, stormwater controls and miscellaneous facilities in accordance with the approved O&M Plan. The inspections shall be recorded on the KCSWD Inspection report forms (Appendix D) of the approved O&M Plan.

10. Leachate Collection System Operations
The Permittee shall operate and maintain the landfill's leachate collection, storage and load-out system in accordance with the approved O&M Plan. Leachate haul trucks shall be loaded by properly trained personnel only.

11. Operator Certification
The Permittee shall ensure that the facility is operated in accordance with the requirements of Chapter 173-300 WAC – Certification of Operators of Solid Waste Incineration and Landfill Facilities.

SECTION VI: GROUNDWATER MONITORING SYSTEMS AND CORRECTIVE ACTION

A. In accordance with WAC 173-351-490 (The Hydrogeologic Report Contents), a Hydrogeologic Report is required for this facility. This report shall meet the performance standards specified in WAC 173-351-490. This report was completed, submitted to and approved by Public Health in 2000. The Permittee shall update the Hydrogeologic Report when significant new information is obtained and submit the updated Report to Public Health for approval. Additional hydrogeological investigations require a work plan to be approved in writing by Public Health prior to implementing.

The Permittee shall not allow the facility to contaminate ground water and cause exceedences of the water quality standards specified in this permit at or beyond the approved point of compliance as defined in Chapter 173-351 WAC. The performance standards for ground water include those contained in Chapter 173-200 WAC "Water Quality Standards for Groundwaters of the State of Washington" and Chapter 246-290 WAC "Drinking Water Regulations," whichever is more stringent. Contaminant concentrations for each well shall be calculated in accordance with WAC 173-351-420 (Statistical Methods for Ground Water Monitoring) and/or as approved by Public Health.

The approved point of compliance (POC) shall consist of the following existing wells for the specified aquifer:

- The approved points of compliance for Cc1 aquifer are wells MW-1, MW-3, MW-4, MW-5S, MW-10, MW-13, and MW-24.
- The approved points of compliance for Cc2 aquifer are wells MW-2, MW-5D, MW-8, MW-9, and MW 21.
- The approved points of compliance for Cc3 regional aquifers are wells MW-7, MW-12, MW-19, MW-26, MW-27, MW-28, and MW-29.
- NOTE: This approved POC for each aquifer may be revised as changes are made to the groundwater monitoring network based on any updates to the hydrogeologic conceptual model.

The point of compliance for surface impoundments will be defined once the monitoring network is determined.

B. As required in the performance standards of WAC 173-351-400 through -490, the Permittee is required to establish a Groundwater Monitoring Program. At a minimum, the Groundwater Monitoring Program must include monitoring for the constituents listed in Appendix I and II of WAC 173-351. Pursuant to WAC 173-351-420 (Statistical Methods for Ground Water Monitoring), if the owner or operator determines there is a statistically significant increase over background water quality, the owner must comply with the requirements of WAC 173-351-430(4).

If there is a statistically significant increase above a ground water protection standard, the facility is to comply with the requirements of WAC 173-351-440(6) and continue with assessment monitoring:

C. If the Permittee proposes changes to the frequency or proposed deletions or changes to the groundwater constituents, then the Permittee must make a demonstration as required in WAC 173-351-450 (Alternate Ground Water Monitoring Program). Any proposed modification must be approved in writing by Public Health prior to implementation.

D. The Permittee must follow an approved ground water sampling and analysis plan as approved by Public Health. The program must meet the performance requirements of WAC 173-351-410 (Ground Water Sampling and Analysis Requirements) and include the statistical analysis process of WAC 173-351-420 (Statistical Methods for Ground Water Monitoring). In addition, the method of laboratory analysis shall be in accordance with EPA Publication No. SW-846, "Test Methods for Evaluating Solid Waste-Physical/Chemical Methods." For each test method, the lowest achievable detection limit shall be obtained to verify compliance standards.

SECTION VII: OTHER ENVIRONMENTAL MONITORING REQUIREMENTS

A. Surface Water

The Permittee shall implement the approved Surface Water Monitoring Program as described in the Sampling and Analysis Plan (SAP). The Surface Water Monitoring Program shall assess compliance with surface water performance standard of Section V (A)(2) of this permit. Changes to the current program must receive Public Health approval.

1. The methods of analysis of surface water samples shall be in accordance with WAC 173-201A-260(3)(h) Guidelines Establishing Test Procedures for the Analysis of Pollutants (40CFR Part 136). For each test method, the lowest achievable detection limit shall be obtained sufficient to verify compliance with the standards identified in Section V(A)(2) of this permit.

2. A table shall be prepared for storm water and seeps in each quarterly monitoring report which presents data in a format that includes comparisons with the surface water quality criteria in WAC173-201A-040. If the criteria require calculations based on hardness or pH, the hardness or pH data shall be provided along with the appropriate specific code citation.

3. Surface water sampling will be required if weeps are seen on the south slope or if the waste begins to become exposed."

B. Leachate

Leachate monitoring shall be performed according to the approved SAP.

C. Surface Impoundment
The leachate lagoon shall meet the requirements of WAC 173-350-330 (Surface Impoundments and Tanks) and WAC 173-350-500 (Ground Water Monitoring).

D. Landfill Gas
The facility must meet the performance requirements of WAC 173-351-200(4). The Permittee must include in the Sampling and Analysis Plan, a detailed description of the routine Methane Monitoring Program to include the frequency of testing and the detailed procedures used to conduct the monitoring. The minimum frequency of monitoring shall be quarterly. Gases that must be monitored include methane, carbon dioxide, and oxygen.

1. If gas levels specified in WAC 173-351-200(4) are exceeded, the Permittee shall notify Public Health immediately upon discovery and immediately take all necessary steps to protect human health and safety.

   a) Within seven (7) days of an exceedance, the Permittee shall place a notice in the operating record, recording the methane gas levels detected and a description of the steps taken to protect human health and safety.

   b) Within sixty (60) days of an exceedance (unless there is an alternative date agreed to in writing by Public Health), the Permittee shall implement a plan for remediation of gas exceedances, notify Public Health that the plan has been implemented, and place a copy of the plan in the operating record. Additional environmental controls (e.g., new gas extraction wells) will require Public Health approval prior to installation.

SECTION VIII: FINANCIAL ASSURANCE FOR POST-CLOSURE AND CORRECTIVE ACTION

The Permittee shall maintain a reserve account and/or trust fund as stipulated in WAC 173-351-600(5)(a). The owner or operator must have a detailed written estimate, in current dollars, of the cost of post-closure care. Estimates must be adjusted annually to reflect effects of inflation and to reflect annual expenditures. Documentation shall be submitted to Public Health with the annual report certifying financial assurance has been maintained.

Should the Permittee be required to undertake a corrective action program under WAC 173-351-440(6), the Permittee must develop and implement a corrective action financial assurance mechanism in compliance with WAC 173-351-600(4).

SECTION IX: GENERAL CONDITIONS

A. Transferability

1. Permit
This permit transferable only upon prior written approval of Public Health and a demonstration that the prospective transferee will be able to comply with applicable laws and regulations, permit conditions, and other requirements to which the prospective transferee is subject. The applicant for transfer of permit shall be subject to a complete application to Public Health per WAC 173-351-730, WAC 173-351-740, and WAC 173-351-750(2).

2. Property
Upon the sale or transfer of ownership of all or part of the facility property, a provision must be included in the property deed (or other title transfer instrument) indicating the period of time during which the facility disposed of solid waste, a description of the solid waste contained within, and the fact that the records for the facility have been filed with Public Health. The deed must include or attach a reference map, which shall be filed with the county clerk, showing the boundaries of the facility as defined in WAC 173-351-100.

B. Appeals
If Public Health denies a permit application, suspends, or revokes a permit for this facility pursuant to WAC 173-351 or RCW 70.95.210, or for failure to comply with requirements set forth in this permit, Public Health shall grant a hearing on such denial or suspension within thirty (30) days after a written request for such hearing is received. The request for a hearing must be made within ten (10) days of receipt of the denial or suspension. A notice of hearing shall be given to all interested parties including Ecology and PSCAA. Within thirty (30) days following a hearing, the Health Officer shall notify the Permittee in writing of his/her determination thereof. Any party aggrieved by such a determination may appeal to the Pollution Control Hearings Board by filing a notice with that board within thirty (30) days after receipt of the notice of determination of the Health Officer.

C. Renewal:

1. The Permittee shall apply for renewal of the municipal solid waste handling permit annually at least 90 days prior to the end of the permit year. The Permittee may be authorized by Public Health to continue all activities authorized under an expired permit on an interim basis if Public Health has not rendered a decision on renewal by the yearly renewal date of the current permit.

2. A renewal application shall be submitted to renew a permit issued pursuant to WAC 173-351-700 and WAC 173-350-710(3) and must include and address the following at a minimum:
   a) Any changes in operating methods, closure cost or post-closure costs or other changes not falling under the definition of a permit modification;
   b) Any changes as revealed by inspections, or complaints;
   c) Evidence that the annual report of WAC 173-351-200(11) and WAC 173-350-330(4)(d) has been submitted; and
   d) A list of documents added to the operating record according to WAC 173-351-200(10).

D. Reissuance:

1. If the Permittee intends to continue construction, operation or post-closure beyond the duration of a valid MSWLF permit, the Permittee must file a complete reissuance application at least 90 days before the existing permit expires pursuant to WAC 173-351-720(6). Reissuance applications are subject to public notification.

2. Reissuance Application. An applicant seeking reissuance of a permit previously issued pursuant to this regulation must, at a minimum, include and address the following:

   a) Review the original application and permit for compliance with these regulations and submit such additional information as follows:

(i) A compliance summary showing how the facility's construction, operation, closure and post-closure activities, as applicable, have been undertaken either in compliance or not in compliance with the terms and conditions of the expired permit;

(ii) Specifying any changes proposed by the owner or operator to, and detailing any changes in circumstance that may affect the design, construction, operation, closure, or post-closure care of the facility and describing how compliance with the applicable requirements of this regulation will be assured.

b) Review of information collected from inspections, complaints, or known changes in the operations including:

(i) Results of ground water monitoring taken during the operation (including closure/post-closure) of the facility according to WAC 173-351-400; and

(ii) Results of surface water and methane monitoring taken during the operation (including closure/post-closure) of the facility.

c) Once Public Health has determined that closure is accomplished and post-closure status is fully implemented, Public Health may determine that permit reissuance is not required for up to ten years, but annual renewal will remain a requirement.

E. Modifications/Amendments:

1. A Permittee intending to modify this permit must file a permit modification application at least sixty (60) days before the proposed effective date of modification. The application must be on a form approved by Public Health and must contain sufficient information and supporting documentation to allow the regulatory agencies to render a decision on the modification. It must clearly identify and include written justification for all requested modifications and include a description of the impacts from the proposed modification upon the MSWLF unit or the facility as presently permitted; and shall describe how, as modified, the MSWLF unit will be capable of compliance with the applicable requirements of this permit. Approval in writing by Public Health is required prior to implementing any proposed modifications.

2. The Permittee may combine a renewal application and a permit modification application in order to allow for a modification to take place at the time of permit renewal, subject to the requirements of subsection IX.D.1 of this permit.

3. All alterations or additions to the operations, maintenance, monitoring, corrective action, development, closure and post closure care of the facility must be described fully in amended plans submitted for review and approval by Public Health.

4. Public Health may amend this permit at any time. Amendments shall be made in writing and become specific conditions of the permit. Proposed amendments may be forwarded to the Permittee for review and comment. If forwarded, the Permittee shall have sixty (60) days to provide written comments to Public Health. Upon consideration of the Permittee's comments, the final amendment will be issued and become effective. Public Health, in times of emergency or if there is an imminent threat to human health or the environment, may waive the review and comment option.

F. Revocation and Suspension
Public Health may suspend or revoke this permit if the facility is operated in violation of Chapter 70.95 WAC, Chapter 173-351 WAC or other applicable regulations governing solid waste disposal facilities, as amended.

G. Definitions
Terms pertaining to solid waste activities used in this permit shall be as defined in Chapters 173-304, 173-350 and 173-351 WAC, and KCBOH Title 10, as amended.

H. Permittee is Bound by Permit
All conditions of this permit shall be binding upon the Permittee. The Permittee shall be responsible for all acts and omissions of all contractors and/or agents for all activities performed at the permitted facility including the post-closure period.

I. Violations
Activities and operations not in conformance with this permit shall be considered in violation of this permit.

J. Permit Shall be Maintained on Site
A copy of this permit shall be available where it can be readily referred to by on-site landfill operation and maintenance personnel, Vashon Transfer Station personnel, and by authorized representatives of Public Health.

K. Inspection
Authorized employees of Public Health or their agents may enter upon, inspect, sample, and move freely about the premises of any MSWLF unit after presentation of identifying credentials. Entry shall not be denied by the Permittee, or his or her agent, but may be conditioned whereby the Permittee or his or her agent escorts the inspector, provided the escort is immediately provided upon request.

SECTION X: REPORTING REQUIREMENTS

A. A minimum of one copy of all proposals and reports shall meet the requirements of WAC 173-351-210(11) (Annual Report) and -415 (Ground Water Reporting) and WAC 173-350-330(3)(d) and -500(5) and shall be forwarded by email when possible and as hard copy to each of the following agencies.

1. Public Health – Seattle & King County, Environmental Health Services, (Attn: Solid Waste, Rodent & Zoonotics Program), 401 Fifth Avenue, Suite 1100, Seattle, WA 98104-1818;

2. Washington State Department of Ecology, Northwest Regional Office, Waste 2 Resources Program, 3190-160th Avenue S.E., Bellevue, WA 98008-5452; and

3. Any report associated with gas and odor control facilities shall also be forwarded to the Puget Sound Clean Air Agency, 100 Union Street, Suite 500, Seattle, WA 98101-2038.

B. Annual Report
The Permittee shall prepare and submit a facility annual report to each agency listed in Section X.A by April 1st of each year. The annual report shall describe all landfill activities conducted during the previous calendar year and must include, at a minimum, the following information:

1. Facility name and location, facility contact name, address and phone number, a detailed summary of the operation and maintenance activities completed the past year, and any proposed revisions to the Permittee's Post closure O&M Plan;

2. A discussion of the year's data for gas, surface water as it pertains to the seeps on the westside slope, the storm water system, leachate, and leachate lagoon monitoring findings, conclusions and recommendations, e.g., concerning causes, effects and proposed corrective action for all instances of non-compliance with the provisions of this permit and WAC 173-351-415(1), 173-350-500(5); and

3. The ground water reporting for each year is to include data through the four quarters of the previous year. The report shall include:

   a) At a minimum, the information as referenced in WAC 173-351-415(1) *Ground water reporting* and WAC 173-350-500(5) *Ground water monitoring – Data analysis, notification and reporting*; and

   b) The relationship of gas and/or leachate to the seeps and surface water quality to the ground water system.

C. Quarterly Environmental Monitoring Report

A summary report of groundwater for both the landfill and the leachate lagoon, surface water, leachate, and landfill gas monitoring shall be prepared quarterly and submitted to Ecology and Public Health within 90 days following the end of the quarter that is the subject of the report. Monitoring shall be performed as required in Sections V, VI, and VII of this permit. Any changes in the number or location of monitoring stations shall be noted along with a reference to Public Health's date of approval for the specific change. If there is no approval, it must be so stated. The report shall include the following information at a minimum:

1. An executive summary of the findings of all quarterly monitoring;

2. Any violations of regulatory standards for gas or seeps near the west property boundary/storm water;

3. All environmental data for the sampling period including field measurements; and

4. Ground water monitoring evaluation shall include all the information as referenced in WAC 173-351-415(2).

D. Financial Assurance Reporting Requirements

The Permittee shall report financial assurance information in conformance with the requirements of WAC 173-351-600 annually. Costs must be adjusted annually to include inflation. Documentation must be provided detailing how these costs were determined.

E. Non-compliance Reporting

Instances of non-compliance, which may result in potential public health risk and/or environmental damage, shall be reported immediately upon occurrence or discovery. Reporting of such incidents shall be via (206) 205-4394 at Public Health - Seattle & King County, 401 Fifth Avenue, Suite 1100, Seattle, WA 98104-1818 to a person acknowledging that s/he is the appropriate contact person. The time of contact and name of person contacted must be reported in the first quarterly report following the contact. If the event

occurs after hours, on a weekend, or holiday, the report shall be made to World Class Communication at (206) 726-2454 for forwarding to the appropriate Public Health authority.

APPENDIX 1 COMPLIANCE REQUIREMENTS

As of the issuance date of this permit, this facility does not comply with all specific regulatory standards of Chapters 173-351 WAC and 173-350 WAC. The following regulatory components must be completed, submitted to Ecology and Public Health, and approved by Public Health on or before the Compliance Date specified for each Task in order for the facility to gain compliant status. Meetings to be scheduled will be conducted with the Permittee, Public Health, and Ecology to discuss and finalize the details of and to track the progress on the required Tasks. Amendments to the Tasks, schedule changes, possible deletion of Tasks, and possible addition of Tasks not listed below but proposed during meetings must have prior Public Health approval before they are implemented or deleted. As of the effective date of this Permit and unless otherwise agreed to by Public Health and Ecology, the aforesaid meetings will continue until all Tasks are completed and Public Health and Ecology have found the facility to be in compliance with Chapters 173-351 WAC and 173-350 WAC. Each Task listed below must be completed by the date/time period specified, unless a time extension is approved by Public Health, in order for the post-closure permit to remain valid. The compliance schedule Tasks will be updated during annual permit renewals.

TASK 1 Sampling Analysis Plan:

a. Submit a revised sampling and analysis plan that meets the requirement of WAC 137-351-410 and WAC 173-350-500(4) and includes the statistical methods that meet the requirements of WAC 173-351-420 and WAC 173-350-500(5) and includes the assessment monitoring of WAC 173-351-440.

Compliance Date: 90 days from the reissuance date of this permit unless another date is accepted by Public Health.

TASK 2 Environmental Investigations, Monitoring and Remediation:

a. Submit Scope of Work and work plans for hydrogeologic and gas investigations, and gas control and treatment and schedule of deliverables.

Compliance Date: 60 days from the date this permit is reissued unless another date is agreed to by Public Health.

TASK 3 Surface Impoundment Monitoring Plan:

a. Submit a work plan to comply with WAC 173-350-330 and WAC 172-350-500.

Compliance Date: During calendar year 2012, with the specific date to be determined by Public Health in consultation with KCSWD.

TASK 4 Submit well installation and data analysis report for the 2010 Hillslope investigation project.

Compliance Date: March 2011.