

Appendix B: Municipal Solid Waste Handling Permit

(This page was intentionally left blank)

**SEATTLE-KING COUNTY DEPARTMENT OF
PUBLIC HEALTH**

2009 – 2019

**MUNICIPAL SOLID WASTE HANDLING PERMIT
CEDAR HILLS REGIONAL LANDFILL**

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

CEDAR HILLS REGIONAL LANDFILL

TABLE OF CONTENTS

<u>SECTION</u>	<u>TOPIC</u>
<u>SECTION I.</u>	PERMITTEE AND ADMINISTRATIVE INFORMATION
<u>SECTION II.</u>	AUTHORIZATION
<u>SECTION III.</u>	DEMONSTRATIONS
<u>SECTION IV.</u>	DESCRIPTION OF THE PERMITTED UNITS, SCOPE OF PERMIT, AND AUTHORIZED ACTIVITIES
<u>SECTION V.</u>	APPROVAL OF CONSTRUCTION AND CLOSURE DOCUMENTS
<u>SECTION VI.</u>	PLAN OF OPERATIONS, AND OPERATIONAL/MAINTENANCE REQUIREMENTS
<u>SECTION VII.</u>	GROUNDWATER MONITORING PROGRAM AND HYDROGEOLOGIC REPORT
<u>SECTION VIII.</u>	OTHER ENVIRONMENTAL MONITORING REQUIREMENTS
<u>SECTION IX.</u>	CLOSURE AND POST-CLOSURE PLANS
<u>SECTION X.</u>	FINANCIAL ASSURANCE FOR CLOSURE, POST-CLOSURE, AND CORRECTIVE ACTION
<u>SECTION XI.</u>	GENERAL CONDITIONS
<u>SECTION XII.</u>	REPORTING REQUIREMENTS
<u>SECTION XIII.</u>	COMPLIANCE REQUIREMENTS

April 9, 2009

MUNICIPAL SOLID WASTE LANDFILL PERMIT

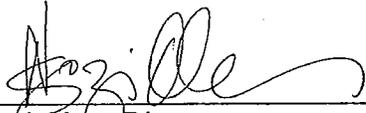
Cedar Hills Regional Landfill

Issued by the Seattle-King County Department of Public Health (SKCDPH) to the King County Solid Waste Division (Permittee) for the purpose of lawful operation and maintenance of the Cedar Hills Regional Landfill in accordance with provisions of Chapters 173-304, 173-350, and 173-351 of the Washington Administrative Code (WAC) and applicable provisions of the Code of the King County Board of Health - Title 10 - "King County Solid Waste Regulations" (Title 10). All cited regulations shall be as amended.

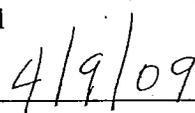
PERMIT PERIOD: 09 April 2009 to 09 April 2019
Subject to Annual Renewal

SECTION I. PERMITTEE AND ADMINISTRATIVE INFORMATION

FACILITY TYPE: Mixed Municipal Solid Waste Landfill
FACILITY STATUS: Operational
FACILITY ADDRESS: 16645 228th Ave SE, Maple Valley, Washington
FACILITY PHONE: (206) 296-4422
FACILITY LOCATION: North ½ of Section 28, Township 23, Range 6, and Section 21, Township 23 Range 6, Except the Northeast ¼ of the Northeast ¼ thereof, the Willamette Meridian.
FACILITY OPERATOR: Department of Natural Resources and Parks, King County Solid Waste Division
OPERATOR ADDRESS: 201 S. Jackson St., Suite 701, Seattle, WA 98104
FACILITY CONTACT: Dr. Victor O. Okereke, P.E., Managing Engineer
DESIGN CAPACITY: Approximately 8,400,000 cubic yards; maximum permitted height of 788 feet msl



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



Date

Date of Issuance: 09 April 2009
Date of Modification: _____
Date of Modification: _____
Date of Modification: _____
Date of Expiration: 09 April 2019

Reference information:

File Name: CH 2009 Permit
Date Prepared: 08/01/08

Application Fee: \$693.00 + any additional hrs at \$173.39/hr
Permit # PR0015736

April 9, 2009

SECTION II. AUTHORIZATION

- A. The Permittee is hereby authorized to conduct activities associated with landfilling of municipal solid waste in conformance with the general and specific conditions of this permit, on the basis of information supplied in the permit application. Solid waste management activities shall be conducted in compliance with Chapter 173-351 and 173-350 WAC (including demonstrations); the Revised Code of Washington (RCW) Chapter 70.95; the Code of the King County Board of Health -Title 10, as applicable; and all applicable federal, state, and local regulations (including state air quality, water quality, and noise regulations). In the event of conflict between local regulations, state regulations, and the conditions of this permit, the more stringent shall apply.
- B. This permit is the property of the SKCDPH and may be suspended or revoked according to the terms set forth in Section XI herein. If the permit is suspended or revoked, the Permittee may appeal the action according to the terms of this permit as presented in Section XI(B) of this permit, RCW 70.95.210, and WAC 173-351-760.
- C. This permit is transferable only upon the prior written approval of the SKCDPH. The prospective transferee must demonstrate the ability to comply with applicable laws, regulations, and permit conditions. This permit must be renewed and approved by the SKCDPH prior to January 1st annually and shall be reissued by the expiration date in conformance with Section I.
- D. This permit is subject to renewal in accordance with Section XI(C) and reissuance in accordance with Section XI(D).

SECTION III. DEMONSTRATIONS

In granting this permit, the SKCDPH acknowledges the following successful demonstrations for Municipal Solid Waste Landfill (MSWLF) units have been made in the 2008 permit re-issuance application or in previous permit applications in compliance with Chapter 173-351 WAC. These demonstrations are made for Cedar Hills Regional Landfill (CHRLF) and are for the duration of this permit:

A. Location Restrictions:

Demonstration	WAC Section	Demonstration Provided in
Airport Safety	WAC 173-351-130(2)	Regional GIS map within the 2003 Permit Application
Floodplains	WAC 173-351-130(3)	FEMA floodplain map within the 2003 Permit Application
Wetlands	WAC 173-351-130(4)	1998 Final Environmental Impact Statement

April 9, 2009

Fault Areas	WAC 173-351-130(5)	February 2008 Cedar Hills Regional Landfill Area 7 Hydrogeologic Report, 2003 Area 6 Phase II Development Engineering Report and 1999 Cedar Hill Regional Landfill Hydrogeologic Report, Volume I
Seismic Impact Zones	WAC 173-351-130(6)	2008 Area 7 Phase II and 2003 Area 6 Phase II Development Engineering Report
Unstable Areas	WAC 173-351-130(7)	2008 Area 7 Phase II and 2003 Area 6 Phase II Development Engineering Report

B. Other Locational Restrictions:

Demonstration	WAC Section	Demonstration Provided in
Liner Separation	WAC 173-351-140(1)(a)	2008 Area 7 Phase II and 2003 Area 6 Phase II Development Engineering Report
Sole Source Aquifers	WAC 173-351-140(1)(b)	1998 Final Sole Source Aquifer Petition for the Cedar River Aquifer Renton, WA
Drinking Water Wells	WAC 173-351-140(1)(c)	2008 Cedar Hills Regional Landfill Area 7 Hydrogeologic Report, 2003 Cedar Hill Regional Landfill Hydrogeologic Investigation Report, Area 6 Development Project and 1998 Final Environmental Impact Statement for Cedar Hills Regional Landfill Site Development Plan
Surface Water Setback	WAC 173-351-140(2)	1999 Cedar Hill Regional Landfill Hydrogeologic Report, Volume I
Land Use	WAC 173-351-140(3)	1998 Final Environmental Impact Statement for Cedar Hills Regional Landfill Site Development Plan
Toxic Air Emissions	WAC 173-351-140(4)	2003 Area 6 Phase II Development Engineering Report and 1998 Final Environmental Impact Statement for Cedar Hills Regional Landfill Site Development Plan
Cover Material	WAC 173-351-140(5)	2007 Cedar Hills Regional Landfill Plan of Operations, 2003 Area 6 Plan of Operations
Capacity	WAC 173-351-140(6)	2007 Cedar Hills Regional Landfill Plan of Operations, 2003 Area 6 Plan of Operations
Natural Soils	WAC 173-351-140(8)	2008 Area 7 Phase II and 2003 Area 6 Phase II Development Engineering Report

C. Performance Standards for Groundwater Monitoring System Designs:

Demonstration	WAC Section	Demonstration Provided in
Performance Criteria	WAC 173-351-405	2003 Hydrogeologic Investigation Report

April 9, 2009

D. Statistical Methods for Groundwater Monitoring:

Demonstration	WAC Section	Demonstration Provided in
Alternate Statistical Methods	WAC 173-351-420(2)(e)	2002 Environmental Monitoring Sampling and Analysis Plan for Cedar Hills Regional Landfill

E. Financial Assurance Criteria:

Demonstration	WAC Section	Demonstration Provided in
Reserve Account for Closure and Post-Closure	WAC 173-351-600(5)(a)	2007 Annual Report (March 2008) Section 4, and August 1, 2008 Permit Reissuance Application, Section XI

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 units as described below:

A. MSWLF Unit Name: Cedar Hills Regional Landfill – Main Hill

1. Rules that Apply to this Unit: State and/or local laws, rules and regulations in effect prior to the effective date of WAC 173-301, Chapter 173-301 WAC, Chapter 173-304 WAC, and King County Board of Health Rules and Regulations No. 8 (Code of the King County Board of Health – Title 10) in effect at the time of closure.
2. Types of Waste Authorized in this Unit: No Additional Waste Authorized.
3. Design Volume: Approximately 18,300,000 cubic yards
4. Earliest Authorized Start of Activity: 1965
5. Closure Date (Final Cover Placement): 1991

B. MSWLF Unit Name: South Solid Waste Area

1. Rules that Apply to this Unit: Chapter 173-301 WAC, Chapter 173-304 WAC, and King County Board of Health Rules and Regulations No. 8 (Code of the King County Board of Health – Title 10) in effect at the time of closure.
2. Types of Waste Authorized in this Unit: No Additional Waste Authorized

April 9, 2009

3. Authorized Design Volume: Approximately 525,000 cubic yards.
4. Earliest Authorized Start of Activity: mid 1970s
5. Closure Date (Final Cover Placement): 1989; 2003 - approximately 152,000 cubic yards were excavated and disposed in Area 5 with corresponding modifications made to the South Solid Waste Area leachate and gas collection systems.

C. MSWLF Unit Name: Southeast Pit

1. Rules that Apply to this Unit: Chapter 173-301 WAC, Chapter 173-304 WAC, and King County Board of Health Rules and Regulations No. 8 (Code of the King County Board of Health – Title 10) in effect at the time of closure.
2. Types of Waste Authorized in this Unit: No Additional Waste Authorized.
3. Authorized Design Volume: Approximately 405,000 cubic yards.
4. Earliest Authorized Start of Activity: early 1980s
5. Closure Date (Final Cover Placement): 1989

D. MSWLF Unit Name: Central Pit

1. Rules that Apply to this Unit: Chapter 173-301 WAC, Chapter 173-304 WAC, and Code of the King County Board of Health Title 10 in effect at the time of closure. The Central Pit has a composite bottom liner constructed in compliance with state regulatory requirements in effect at the time of construction.
2. Types of Waste Authorized in this Unit: No Additional Waste Authorized.
3. Authorized Design Volume: Approximately 4,000,000 cubic yards.
4. Earliest Authorized Start of Activity: 1986
5. Closure Date (Final Cover Placement): 1989

E. MSWLF Unit Name: Area 2/3

1. Rules that Apply to this Unit: Chapter 173-304 WAC and Code of the King County Board of Health Title 10 in effect at the time of closure. Area 2/3 has a composite bottom liner constructed in compliance with state regulatory requirements in effect at the time of construction.

April 9, 2009

2. Types of Waste Authorized in this Unit: No Additional Waste Authorized.
3. Authorized Design Volume: Approximately 9,150,000 cubic yards.
4. Earliest Authorized Start of Activity: 1988
5. Closure Date (Final Cover Placement): 1992

F. MSWLF Unit Name: Area 4

1. Rules that Apply to this Unit: Chapter 173-304 WAC, Chapter 173-351 WAC, and Code of the King County Board of Health Title 10 in effect at the time of closure. Area 4 has a composite bottom liner constructed in compliance with state regulatory requirements in effect at the time of construction.
2. Types of Waste Authorized in this Unit: Additional Municipal Waste is Authorized thru August 1999 or until Area 5 is allowed to accept waste.
3. Authorized Design Volume: Approximately 10,154,300 cubic yards.
4. Earliest Authorized Start of Activity: 1991
5. Closure Date (Final Cover Placement): 2000

G. MSWLF Unit Name: Area 5

1. Rules that Apply to this Unit: Chapter 173-351 WAC.
2. Types of Waste Authorized in this Unit: Municipal solid waste and non-municipal solid waste, including industrial, construction, inert and demolition wastes, woodwaste, other types of non-hazardous solid waste and solid wastes that have not been excluded, exempted or otherwise removed from regulation under Chapter 173-303 WAC - Dangerous Waste Regulations, and as approved by the SKCDPH; provided nothing in this authorization shall prohibit the Permittee from adopting policy that will enable exclusion of certain types of solid waste otherwise allowed under Chapter 173-351 WAC; and provided that such non-municipal wastes are disposed together with the municipal waste stream in a unit authorized in Section IV of this permit, and such disposal is not elsewhere prohibited by law. If the Permittee so chooses, a cell within the authorized unit may be developed to dispose of specific non-municipal solid wastes (e.g., asbestos).

Portions of Area 5 overlie mixed municipal solid waste material placed in the Central Pit, Area 2/3, and Area 4.

April 9, 2009

3. Authorized Design Volume: 8,394,846 cubic yards total; 7,759,000 cubic yards net; Maximum Height of Area 5 not to exceed 788 feet msl.
4. Earliest Authorized Start of Activity: June 1999
5. Projected Closure Date (Final Cover Placement): originally planned August 2005; revised to interim cover on top deck constructed in 2007; final cover planned for 2016; temporary storage of 105,000 cubic yards of select fill on top of interim closed top deck from 2008 to 2016.

H. MSWLF Unit Name: Area 6

1. Rules that Apply to this Unit: Chapter 173-351 WAC.
2. Types of Waste Authorized in this Unit: Municipal solid waste and non-municipal solid waste, including industrial, construction, inert and demolition wastes, woodwaste, other types of non-hazardous solid waste and solid wastes that have not been excluded, exempted or otherwise removed from regulation under Chapter 173-303 WAC - Dangerous Waste Regulations, and as approved by the SKCDPH; provided nothing in this authorization shall prohibit the Permittee from adopting policy that will enable exclusion of certain types of solid waste otherwise allowed under Chapter 173-351 WAC; and provided that such non-municipal wastes are disposed together with the municipal waste stream in a unit authorized in Section IV of this permit, and such disposal is not elsewhere prohibited by law. If the Permittee so chooses, a cell within the authorized unit may be developed to dispose of specific non-municipal solid wastes (e.g. asbestos).

Portions of Area 6 overlie mixed municipal solid waste placed in the Main Hill Refuse Area and in Area 5. The Main Hill does not have a composite bottom liner but has a final cap constructed in accordance with state regulatory requirements in effect at the time of construction. Special composite bottom liner composed of compacted clay, Geomembrane and Geogrid was constructed over the affected Main Hill slope areas.

3. Authorized Design Volume: Approximately 7,800,000 cubic yards total; Maximum Height of Area 5 and 6 not to exceed 788 feet msl. Maximum area of Areas 5 and 6 as shown on the drawings submitted with the Permit Application.
4. Earliest Authorized Start of Activity: August 2005
5. Projected Closure Date (Final Cover Placement): originally planned final cover in October 2009; revised to interim cover constructed on top deck in October 2009. Final cover on top deck planned in 2016.

April 9, 2009

I. MSWLF Unit Name: Area 7

1. Rules that Apply to this Unit: Chapter 173-351 WAC.
2. Types of Waste Authorized in this Unit: Municipal solid waste and non-municipal solid waste, including industrial, construction, inert and demolition wastes, woodwaste, other types of non-hazardous solid waste and solid wastes that have not been excluded, exempted or otherwise removed from regulation under Chapter 173-303 WAC - Dangerous Waste Regulations, and as approved by the SKCDPH; provided nothing in this authorization shall prohibit the Permittee from adopting policy that will enable exclusion of certain types of solid waste otherwise allowed under Chapter 173-351 WAC; and provided that such non-municipal wastes are disposed together with the municipal waste stream in a unit authorized in Section IV of this permit, and such disposal is not elsewhere prohibited by law. If the Permittee so chooses, a cell within the authorized unit may be developed to dispose of specific non-municipal solid wastes (e.g., asbestos). Portions of Area 7 will overlie mixed municipal solid waste material placed in Area 5 and Area 6.
3. Authorized Design Volume: Approximately 8,400,000 cubic yards total; Maximum Height of Area 7 not to exceed 788 feet msl. Maximum area of Area 7 is as shown on the drawings in the 2008 Cedar Hills Regional Landfill Area 7 Predesign Report Summary.
4. Earliest Authorized Start of Activity: Area 7 construction may commence upon approval of design and construction documents. Refuse disposal in Area 7 shall not commence until submittal of the licensed engineer's certification or declaration specified in WAC 173-351-750(6) and approval of SKCPH.
5. Projected Closure Date (Final Cover Placement): January 2018

J. Leachate Lagoons:

1. Rules that Apply to this Unit: Chapters 173-304, 173-350, and 173-351 WAC.
2. Types of Waste Authorized in this Unit: Landfill leachate collected from landfill areas described in A through I of this section. Also contaminated stormwater collected from active areas of the landfill, stormwater runoff from paved areas of the property with the potential to contaminate stormwater, and sanitary wastewater from landfill office buildings and the adjacent former Alcohol Treatment Center.
3. Authorized Design Volume: Approximately 12.25 million gallons.
4. Earliest Authorized Start of Activity: constructed in 1979; modified in 1989.
5. Projected Closure Date: Not specified.

April 9, 2009

K. Contaminated Stormwater Lagoon:

1. Rules that Apply to this Unit: Chapters 173-304 and 173-350 WAC.
2. Types of Waste Authorized in this Unit: Stormwater runoff from the active area of the landfill that has the potential to contact waste.
3. Authorized Design Volume: Approximately 4.2 million gallons. During Area 7 development, the lagoon may be expanded to a capacity of 9.4 million gallons.
4. Earliest Authorized Start of Activity: 1997
5. Projected Decommission Date: 2018

SECTION V. CONSTRUCTION AND CLOSURE

- A. As required under WAC 173-351-750(4), for each new and laterally expanded unit, the Permittee shall submit final design drawings, construction specifications, and a construction quality assurance manual at least sixty (60) days prior to the beginning of construction. The Permittee shall not begin construction until the SKCDPH approves these documents in writing.

If there are deviations from approved design drawings and construction specifications, these changes shall be submitted no later than five (5) working days before the start of construction to the SKCDPH and the Washington State Department of Ecology (Ecology) for review and approval. Sufficient information shall be provided to support the Permittee's claim that the changes do not compromise the integrity of the new cell or adversely impact the operations of the landfill.

- B. The Permittee is authorized to accept solid waste at any new or laterally expanded unit only after the SKCDPH receives written certification by a licensed engineer, having supervised construction in accordance with WAC 173-351-750(6), that (1) the construction has been completed in accordance with this permit and tested in accordance with the construction quality assurance plans, and (2) all conditions set by the SKCDPH for construction of the new unit have been met.

The Permittee must notify the SKCDPH in writing a minimum of ten (10) working days in advance of the date when solid waste will first be placed into the new unit. **The Permittee is not authorized to place solid waste into the new unit until approved by the SKCDPH in writing.** Failure to receive written approval from SKCDPH prior to solid waste placement into the new unit will result in issuance of a violation notice and possible permit suspension in accordance with RCW 70.95.210 and WAC 173-351-760.

April 9, 2009

- C. Certification that construction was completed in accordance with terms of the permit and tested in accordance with construction quality assurance plans must be submitted to the SKCDPH along with recorded construction drawings and specifications within three (3) months after completion of construction as specified in WAC 173-351-750(6).
- D. As required under WAC 173-351-500(1)(e), a minimum of one hundred eighty (180) days prior to beginning closure activities, the Permittee shall notify the SKCDPH and the financial assurance trustee and/or insurer of the intent to close each unit according to the approved closure plan, and submit final engineering closure plans to the SKCDPH and Ecology for review, comment, and approval. SKCDPH and Ecology may require up to 90 days for review. If the governmental review time should exceed 90 days, the SKCDPH will notify the permittee stating the reason for the delay. Closure activities shall not begin until approval has been received by the Permittee in writing from the SKCDPH.
- E. As specified in WAC 173-351-750(7), if construction or operation activities started under the authority of this permit cease for a period of twelve (12) consecutive months, the SKCDPH may, in its discretion, revoke this permit. The SKCDPH shall provide notice to the Permittee in writing explaining the reason(s) for revocation. The SKCDPH will not revoke a permit where cessation of construction or operation is caused by factors beyond the reasonable control of the Permittee or when such cessation is in accordance with the provisions of this permit.
- F. A minimum of one hundred eighty (180) days before placing additional waste in temporarily closed portions of Area 5, Area 6, or Area 7, the Permittee shall notify the SKCDPH and submit final closure plans.
- G. The Permittee shall conduct all construction activities including cell development, leachate collection system improvements, gas system improvements, and future closure construction activities according to plans and specifications that have been approved by the SKCDPH. All activities shall be conducted in accordance with WAC 173-351-750(4), (5), and (6) and shall include construction quality assurance (QA) plans and construction quality control (QC) plans as specified in WAC 173-351-730(6).

SECTION VI. PLAN of OPERATIONS AND OPERATIONAL/MAINTENANCE REQUIREMENTS

All operational and maintenance activities at the facility shall be conducted in conformance with the approved *Plan of Operations*. Recommendations made in the *Plan of Operations* regarding the operation, inspection, and maintenance of landfill systems (including leachate, contaminated storm water, storm water, and landfill gas) shall be implemented. All proposed amendments to the *Plan of Operations* shall be submitted in advance of implementation to the SKCDPH for review and approval. The current approved *Plan of Operations* includes the *2006 Cedar Hills Regional Landfill Area 6 Plan of Operations*, the *2007 Cedar Hills Regional Landfill Plan of Operations*, and operational plans and manuals referenced by these plans of operation. All updates and/or amendments to the *Plan of Operations* must be added to the *Plan of Operations* within 10 working days of SKCDPH approval. The Permittee is subject to and shall comply with the specific operational and maintenance conditions listed below:

April 9, 2009

A. Waste Acceptance and Screening

1. The Permittee is authorized to dispose of municipal solid waste and non-municipal solid waste, including industrial waste, inert waste, demolition waste, wood waste, and other types of non-hazardous solid wastes that have been excluded, exempted or otherwise removed from regulation under Chapter 173-303 WAC "Dangerous Waste Regulation" and as approved by the SKCDPH; Provided, that such non-municipal wastes are co-disposed with the municipal waste stream in Area 5, 6, or 7 and such disposal is not elsewhere prohibited by law. If the Permittee so chooses, a cell within the authorized unit may be developed to dispose of specific non-municipal solid wastes (e.g., asbestos). Records that contain the location and contents of each cell containing only non-municipal solid wastes, established within an authorized unit, shall be maintained at the landfill and be made available to the SKCDPH upon request.
2. The Permittee shall not knowingly treat, store, dispose of or knowingly handle regulated dangerous waste, with the exception of the removal and temporary storage of such waste in an approved location in accordance with the approved *Plan of Operations*, unless the requirements of Chapter 173-303 WAC are met.
3. The Permittee shall ensure all solid waste suspected of containing regulated dangerous waste constituents that are being disposed of in the landfill have completed the waste clearance process. Solid waste suspected of containing regulated dangerous wastes includes, but is not limited to, industrial waste and waste generated from a remedial action (cleanup) site. All waste soils shall receive a waste clearance. The waste clearance process shall follow the procedures set forth in King County Public Rules and Regulations, Waste Clearance Policies for King County Solid Waste Division Solid Waste Handling Facilities PUT 7-2-1(PR) and KKC 10.10.030 and King County Public Rules and Regulations, Waste Acceptance Rule for King County Solid Waste Division's Solid Waste Handling Facilities, PUT 7-1-5(PR), as amended. The SKCDPH must approve *Waste Acceptance Rule* amendments prior to their implementation.
 - a) At a minimum, the waste clearance program shall include a waste disposal application form to be used by generators to summarize their waste designation procedures. The application must include:
 - i) The company name, contact name, address and telephone number of the generator, the generator's consultant, and the transporter of the waste.
 - ii) The street address and city where the waste proposed for disposal originated. If the site is a remedial action site identified by the United States Environmental Protection Agency (EPA) or Ecology, include the name and telephone number of the site manager representing the respective agency.

April 9, 2009

- iii) A description of how the waste was generated (e.g., petroleum contaminated soil from leaking residential underground storage tank, etc.)
 - iv) A description of the physical and chemical nature of the waste proposed for disposal including potential waste contaminants.
 - v) The quantity of waste proposed for disposal in cubic yards and/or tons, and the manner in which the waste will be containerized for disposal, (e.g., 55 gallon drums, 30 cubic yard drop box, bagged, etc). Applications for on-going disposal must identify the quantity that will be disposed of per delivery.
 - vi) A description of the sampling frequency and sample method.
 - vii) Analytical methods used must be those identified in the following Ecology and EPA guidance documents, and their respective amendments:
 - aa) #80-12, "*Biological Testing Methods*"
 - bb) #91-30, "*Guidance for Remediation of Petroleum Contaminated Soils*"
 - cc) #93-51, "*Chemical Testing Methods for Complying with the Dangerous Waste Regulation*"
 - dd) EPA Publication No. SW-846, "*Test Methods for Evaluating Solid Waste Physical/Chemical Methods*"
 - ee) Waste proposed for disposal that contains free liquid must also be analyzed pursuant to EPA Method 9095, "*Paint Filter Liquids Test*" contained in EPA Publication No. SW-846.
 - viii) Copies of all laboratory and/or field analysis reports used to designate the waste proposed for disposal, including quality assurance and quality control data and chain-of-custodians.
- b) The Permittee shall furnish the SKCDPH a copy of all waste clearance records per the *Waste Acceptance Policy*.
 - c) The Permittee shall retain one or more individuals with the necessary expertise to fully designate suspected dangerous waste pursuant to Chapter 173-303 WAC. Such individuals shall serve as the Permittee's contacts to the generator and to the SKCDPH for waste clearance applications. The qualified individual(s) shall be responsible for reviewing all waste disposal applications submitted to the SKCDPH as specified above.

April 9, 2009

- d) Solid waste suspected of containing a dangerous waste constituent shall not be transported to or disposed of at the facility until a Waste Clearance has been issued by the King County Solid Waste Division as recommended by the SKCDPH.
 - e) Upon receiving waste with a waste clearance, the Permittee shall record the SWD Waste Clearance Decision tracking number and actual tonnage of waste received. This information shall be reported to the SKCDPH as specified in Section XII(B)(5) of this permit. Upon request, SWD can supply SKCDPH date and tonnage received. If actual quantity of the disposed waste is greater than 20% of the estimated quantity, as approved in the waste disposal application, additional sampling of the waste may be required as determined by the SKCDPH. For estimated quantities over 7500 tons or 5000 cubic yards, as approved in the waste disposal application, the allowable difference of actual versus estimated amount should not exceed 10% of that estimated quantity.
 - f) Except as allowed in Section VI(A)(3)(g) below, all waste granted a waste clearance under this section must be handled in a manner consistent with the disposal requirements of mixed municipal solid waste as identified in this permit.
 - g) Petroleum Contaminated Soil (PCS) may be used as daily cover material as described in Section VI(B) of this permit.
 - h) The Permittee shall reimburse the SKCDPH for all of the SKCDPH's time spent reviewing waste disposal applications, associated data and supplemental information for continuous waste streams at the current hourly plan review rate.
4. For all other wastes not cleared through the waste clearance program described in Section VI(A)(3) above, the Permittee must comply with the requirements of WAC 173-351-200(1) including the following:
- a) The Permittee shall visually observe all incoming waste to prevent the acceptance of unauthorized materials. Incoming waste loads will also be inspected randomly. Waste shall be inspected by the waste screening team at least once per week on random days continuously throughout the year at the active face of the landfill. In addition, at least once per month a load must be discharged onto a suitable surface and inspected for unacceptable materials at the active face of the landfill. This activity must be accomplished in such a manner as to avoid interference with operations, to avoid litter, and to contain runoff. Records of inspections shall be made and include date, time, inspector, source of waste inspected, and results of inspection.
 - b) For loads of waste that are suspected of containing regulated dangerous waste and refused entrance into the facility, the Permittee shall record the name and address of the generator and transporter, the license plate number of the

April 9, 2009

- transporting vehicle, and the reason for denial. Written record of such incidents shall be retained.
- c) Train facility personnel to recognize regulated dangerous waste and PCB wastes.
 - d) Immediately notify the SKCDPH and Ecology if a regulated dangerous waste is discovered at the facility.
5. The Permittee shall dispose of asbestos-containing waste in conformance with Chapter 40 Code of Federal Regulation (CFR) Part 61 "Standards for Active Waste Disposal Sites", King County Board of Health Title 10, and the asbestos containing material handling procedures contained in the approved Plan of Operations. At the end of each operating day, any asbestos-containing waste material that has been deposited at the site shall be covered with at least fifteen (15) centimeters (six inches) of daily cover to ensure that, following compaction, no asbestos-containing waste is visible. The Permittee shall maintain records, and perform reporting and notifications as specified in 40 CFR Part 61.154 to include recording the specific location, depth, area, and quantity in cubic yards of any asbestos containing waste material on a site map or diagram.
- B. Compaction and Daily Cover. The Permittee shall thoroughly compact solid waste before succeeding layers are added according to the approved *Plan of Operations* and WAC 173-351-200(2) and WAC 173-351-220(7). The Permittee shall apply daily cover according to the approved *Plan of Operations*. Specifically, the Permittee shall:
1. Thoroughly compact all solid waste before successive layers are added, except the first lift over a liner.
 2. Cover all deposited and compacted solid wastes with a minimum of six (6) inches of approved cover material at least one time daily; or at more frequent intervals if necessary to control disease vectors, fires, odors, blowing litter, and scavenging, unless otherwise approved by the SKCDPH. Approved daily cover material includes only:
 - a) Soil from on-site stockpiles.
 - b) Class 1, 2, 3, and 4 petroleum contaminated soils. (PCS soil classifications are defined in Washington State Department of Ecology Document #91-30 "*Guidance for Remediation of Petroleum Contaminated Soils*" as amended.)
 - c) Dewatered and dried dredge spoils.
 - d) Fabrene tarps as part of Tarpomatic system or other material as approved by the SKCDPH.

April 9, 2009

3. The operator may use alternative daily cover if the alternative material and thickness controls disease vectors, fires, odors, blowing litter, provides adequate access for heavy vehicles, will not adversely affect gas or leachate composition, and controls scavenging without presenting a threat to human health and the environment. An alternative daily cover material must have SKCDPH approval prior to its use.
4. The stockpiling of cover material shall occur only within the landfill footprint or in the area designated as the stockpiles on the approved site plan. Adequate erosion control shall be maintained around all stockpile areas. Stockpiled dredge spoils, petroleum contaminated soils, or other approved material for use as daily cover, shall be stored as required in Section VI(B)(6) and Section VI(B)(7) of this permit, and shall not cause exceedances of the groundwater, surface water, or air quality standards specified in Section VII and Section VIII of this permit.
5. After completion of each landfill cell, full intermediate cover consisting of twelve (12) to twenty-four (24) inches of compacted soil material shall be placed over completed cells or over areas which will be exposed for more than thirty (30) days. Six (6) inches of intermediate cover will be allowed between November 1st and June 1st of each year (wet season) in areas requiring intermediate cover. Weather permitting, full intermediate cover shall be placed in these areas as soon as possible, and full intermediate cover shall be completed no later than September 30th of each year. Intermediate cover must ensure that wastes are not exposed or visible.
6. Class 1 and Class 2 petroleum contaminated soils, as defined by Ecology Document #91-30 "*Guidance for Remediation of Petroleum Contaminated Soils*" as amended, may be disposed of in the landfill, used as daily cover, or used as intermediate cover material in the lined portion of the facility as long as all run-off enters the leachate collection system. Class 1 and Class 2 petroleum contaminated soils shall not be stored outside the lined portion of the landfill.
7. Class 3 and Class 4 petroleum contaminated soils, as defined by Ecology Document #91-30 "*Guidance for Remediation of Petroleum Contaminated Soils*" as amended, may be disposed of in the landfill or used as daily cover in the lined portion of the facility as long as run-off enters the leachate collection system. Class 3 and Class 4 petroleum contaminated soils shall not be stored outside the lined portion of the landfill, be used for intermediate cover or be used as final cover, topsoil, or fill on any area.

C. Minimum Standards for Performance

1. Groundwater. The Permittee shall not allow the facility to cause exceedances of the maximum contaminant levels in groundwater specified in this permit at the point of compliance, as defined in Chapter 173-351 WAC. The Permittee shall not cause exceedances of standards contained in Chapter 173-200 WAC "Water Quality Standards for Groundwaters of the State of Washington" or Chapter 246-290 WAC "Drinking Water Regulations."

April 9, 2009

2. Surface Water. The Permittee shall not allow discharges of pollutants into waters of the State that violate state laws and regulations from point or non-point sources in accordance with the approved *Plan of Operations* and approved engineering plans.

Specifically, the Permittee shall not:

- a) Allow a discharge of pollutants into waters of the State, including wetlands that 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 of pollution 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.

- D. 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). Exceedances of these standards shall be reported to the SKCDPH immediately and shall require implementation of control measures to control such gas. Specifically, the Permittee must ensure:

1. 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);
2. The concentration of methane gas does not exceed the lower explosive limit for methane at the facility property boundary or beyond; and
3. The concentration of methane gas does not exceed one hundred (100) parts per million by volume of methane in off-site structures.

- E. Air. The Permittee must comply with all applicable requirements of the Washington State implementation plan approved under the Federal Clean Air Act laws.

1. Open burning of mixed municipal solid waste will not be allowed under any conditions.
2. 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. The use of best available control technology (BACT) shall be used to control odorous emissions.

- F. Disease Vectors. The Permittee shall prevent or control disease vectors according to the approved *Plan of Operations*.

April 9, 2009

- G. Run-on/Run-off Control Systems. The Permittee shall maintain the run-on/run-off control systems for the active area and the closed MSWLF units according to the approved *Plan of Operations*, the approved engineering plans, and the approved *Stormwater Management Plan*, as amended.
- H. Liquid Waste Restrictions. Landfill disposal of waste containing free liquid is not allowed. If the Permittee suspects a waste may contain free liquid, the waste shall be analyzed pursuant to EPA Method 9095 – “Paint Filter Liquids Test”. The Permittee shall follow the 2008 Vector Waste Disposal Management Plan as amended.
- I. Records. The Permittee shall keep all records required by regulation and the *Plan of Operations* at an approved location. Copies of these documents shall be provided upon request to the SKCDPH and Ecology. All information contained in the operating record shall be available to the SKCDPH and Ecology upon request at all reasonable times.
- J. Operations. The Permittee shall operate the facility to control road dust, collect scattered litter, prohibit scavenging, and ensure that qualified landfill personnel are on-site during hours of operation to:
1. Control road dust and dust created during landfilling operations. Transient dust created during the landfilling of dust-producing wastes must be controlled. Dust suppressants must be approved by the SKCDPH and must not pose a threat to surface or groundwater quality.
 2. Collect scattered litter at the facility and along roads adjacent to the landfill entrance as necessary to prevent vector harborage, fire hazards, esthetic nuisances, or adversely affecting wildlife or its habitat.
 3. Minimize occurrences of standing water that could become a breeding ground for mosquitoes.
 4. Ensure that at least two (2) landfill personnel are on-site with one person at the active face when the site is open for solid waste disposal. The Permittee shall ensure landfill personnel comply with the Certification requirements of Chapter 173-300 WAC “Certification of Operators of Solid Waste Incinerator and Landfill Facilities.”
- K. Reserve Operational Equipment. The Permittee shall ensure that the reserve operational equipment is available at all times to maintain and meet permit requirements according to the *Plan of Operations*.
- L. Permanent Boundary Posts. The Permittee shall clearly mark the active area boundaries and all incremental landfilling phases with permanent posts or an equivalent method of marking which is clearly visible for inspection purposes, in accordance with WAC 173-351-220(6). Such boundary posts or equivalent methods of marking shall be maintained at all times.

April 9, 2009

- M. Maintenance of Monitoring Systems. The Permittee shall maintain all monitoring systems for air, groundwater, surface water, leachate, and landfill gas according to the approved *Plan of Operations* and the approved *Sampling and Analysis Plan for Cedar Hills Regional Landfill*.
- N. Public Access. Cedar Hills Regional Landfill is not open to the public. Public dumping is not authorized except as described in the *Plan of Operations*.
- O. Biosolids Prohibited. The Permittee shall prohibit the disposal of municipal sewage sludge or biosolids with the exception of materials allowed pursuant to WAC 173-351-220(10). The disposal of sewage sludge or biosolids directly into the landfill or as daily cover is prohibited. Composted sewage sludge and composted biosolids may be used as intermediate cover material and as a component of the final cover. The disposal of sewage sludge and biosolids may be allowed on a temporary basis if and after the SKCDPH determines an emergency exists and there are no other readily available options for beneficial use.
- P. Access. The Permittee shall prevent unauthorized public access, prevent unauthorized vehicular traffic, and prevent illegal dumping of waste. The Permittee shall endeavor to control animals by using artificial barriers, natural barriers, or both to protect human health and the environment.
- Q. Other Operating Requirements
1. The Permittee shall weigh all incoming waste on a scale to provide a measurement in incoming waste tonnage. Records shall be kept of the weight of all incoming waste material and shall be reported to the SKCDPH as required.
 2. The active working face of the landfill shall be kept as small as practical and not be sized to create a nuisance, cause environmental contamination, or prevent the addition of complete daily cover.
 3. The Permittee shall maintain all monitoring systems specified in this permit, as described in the approved *Plan of Operations* and in WAC 173-351-220(8).
 4. The Permittee shall allow authorized employees of the SKCDPH to enter, inspect, sample, and move freely about the MSWLF site after presentation of credentials. Entry shall not be denied by the Permittee, or his or her agent, but the Permittee or his or her agent may accompany the inspector if the escort is immediately available.

April 9, 2009

SECTION VII. GROUNDWATER MONITORING PROGRAM AND HYDROGEOLOGIC REPORT

- A. In accordance with WAC 173-351-490, a Hydrogeologic Report is required for this facility. The Permittee shall update the Hydrogeologic Report to meet performance standards as stated in WAC 173-351-490. The Report must contain all information from recent investigations and describe the updated version of the *Conceptual Hydrogeologic Model for the Cedar Hills Landfill* and vicinity.

The report shall include a summary of the water flow path analysis, including all supportive documentation and calculations demonstrating that the performance criteria of WAC 173-351-405 are met. Based on WAC 173-351-405(4), relevant point of compliance should be established for Cedar Hills landfill. The general definition of point of compliance is described in WAC 173-351-300(2)(c). The report shall provide data representing existing groundwater quality conditions, including any groundwater contamination from upgradient sources such as the Queen City Farms Superfund Site. The report shall also include a determination of landfill impacts to groundwater in perched zone aquifers.

- B. The Permittee shall complete all groundwater sample collection, laboratory analyses, statistical analyses, and reporting in accordance with the approved *Sampling and Analysis Plan for Cedar Hills Regional Landfill*. The groundwater sampling and analysis program should be conducted in accordance with WAC 173-200, Water Quality Standards For Ground Waters Of The State Of Washington.
- C. As required in the performance standards of WAC 173-351-400 through 490, the Permittee is required to continue implementation of the Groundwater Detection Monitoring Program and analyze groundwater samples for the constituents listed in Appendix I and II of Chapter 173-351 WAC.
- D. Pursuant to WAC 173-351-420, if the Permittee determines there is a statistically significant increase over background water quality, the Permittee must:
1. Within fourteen days after detecting a statistically significant increase over background water quality, place a notice in the operating record indicating which constituents have shown significant changes from background levels and send notification to the SKCDPH and Ecology.
 2. Establish a Groundwater Assessment Monitoring Program meeting the requirements of WAC 173-351-440. The Groundwater Assessment Monitoring Program must have SKCDPH and Ecology approval prior to its implementation. The Groundwater Assessment Monitoring Program is a phased program that may be amended as needed to satisfy the requirements of WAC 173-351-440. Amendments to the Groundwater Detection Monitoring Program and the development of a Groundwater Assessment Monitoring Program will be required in order to protect groundwater and eliminate any discharge from the landfill that may impact groundwater or surface water, including wetlands.

April 9, 2009

SECTION VIII. OTHER ENVIRONMENTAL MONITORING REQUIREMENTS

- A. Surface Water. The Permittee shall complete all surface water sample collection, laboratory analyses, and reporting in accordance with the approved *Sampling and Analysis Plan for Cedar Hills Regional Landfill*. The Surface Water Monitoring Program shall assess compliance with surface water performance standards of Section VI(C)(2) of this permit. Changes to the current program must receive SKCDPH approval before they are implemented.
1. The methods of analysis of surface water samples shall be in accordance with EPA publication No. SW-846, "*Test Methods for Evaluating Solid Waste Physical/Chemical Method*" and 40 CFR Part 136. For each test method, the lowest achievable detection limit shall be obtained sufficient to verify compliance with the standards identified in Section VI(C)(2) of this permit.
 2. A table shall be prepared and included in each quarterly monitoring report which presents data in a format that allows for comparison with the surface water quality criteria in WAC 173-201A-040. If the criteria require calculations based on hardness, the calculations shall be provided along with all assumptions.
 3. The monitoring program for surface water shall include environmental protection of the wetlands on the Cedar Hills Regional Landfill property. Any required changes to the monitoring program to include wetlands protection will be completed within the framework of the Sampling and Analysis Plan update.
- B. Leachate. The Permittee shall complete all leachate sample collection, laboratory analyses, and reporting in accordance with the approved *Sampling and Analysis Plan for Cedar Hills Regional Landfill*. Results of these samples shall be reported to the SKCDPH quarterly. Leachate monitoring in support of an Alternate Groundwater Monitoring Program shall be performed and reported, as specified in WAC 173-351-450.
- C. Landfill Gas. The facility must meet the performance requirements of WAC 173-351-200(4). The minimum frequency of monitoring shall be quarterly. Gases that must be monitored include methane and oxygen. Landfill gas monitoring shall be performed in accordance with the approved Plan of Operations.
1. If gas levels specified in WAC 173-351-200(4) are exceeded, the Permittee shall notify the SKCDPH within 72 hours and immediately take all necessary steps to protect human health as specified in WAC 173-351-200(2)(c).
 - a) Within seven (7) days of discovering 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.

April 9, 2009

- b) Within sixty (60) days of discovering an exceedance, the Permittee shall implement a plan for remediation of gas exceedances, notify the SKCDPH 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 SKCDPH approval prior to installation.
 2. Ambient air monitoring for landfill gas may be required as directed by the SKCDPH to ensure compliance with Section VI (E) of this permit and with requirements established by the Puget Sound Clean Air Agency.
- D. Area 5 Top Deck. The facility shall monitor the performance of the temporary cover on the top deck of Area 5 in accordance with the *Area 5 Stage 4 Closure Leachate Monitoring Plan, February 15, 2007*, the *Area 5 Stage 4 Closure Top Deck Surface Monitoring Plan, February 15, 2007*, and the *Area 5 Top Deck Stormwater Runoff Monitoring Plan, February 2007*.

SECTION IX. CLOSURE AND POST-CLOSURE PLANS

The Permittee shall maintain, in the operating record, a closure plan for all active MSWLF units pursuant to WAC 173-351-500(1)(c) and a post-closure plan for all MSWLF units as required in WAC 173-351-500(2)(c). At least one hundred eighty (180) days prior to beginning closure construction activities, the Permittee must submit final engineering closure plans and specifications to the SKCDPH and Ecology for review, comment, and approval. The Permittee shall complete closure activities one hundred eighty (180) days following the start of construction activities. The Permittee shall perform closure and post-closure activities in accordance with approved plans and in compliance with WAC 173-351-500.

SECTION X. FINANCIAL ASSURANCE FOR CLOSURE AND 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 Permittee must maintain a detailed written estimate in current dollars of the cost of hiring a third party to close all active MSWLF units. The Permittee must also have a written estimate, in current dollars, of the cost of hiring a third party to conduct post-closure care for all MSWLF units in compliance with the post-closure plan. Estimates must be adjusted annually to reflect effects of inflation and to reflect annual expenditures. Documentation shall be submitted to the SKCDPH with the annual report verifying financial assurance has been maintained and estimates have been reviewed and adjusted as necessary to reflect current expenses.

SECTION XI. GENERAL CONDITIONS

A. Transferability

April 9, 2009

1. Permit. Permits issued pursuant to this regulation are transferable only upon prior written approval of the SKCDPH and a demonstration that the prospective transferee will be able to comply with all applicable laws and regulations, permit conditions, and other requirements to which the prospective transferor is subject.
 2. Property. Upon the sale or transfer of ownership of all or part of the facility property, the property deed (or other instrument or instruments or conveyance) shall include a provision stating (i) the entire period of time during which solid waste was received at the facility, (ii) a description of the solid waste contained within, and (iii) that the records for the facility have been filed with the SKCDPH. The deed shall incorporate by reference a map, which shall be filed with the county clerk, showing the boundaries of the active landfill area as defined in WAC 173-351-100.
- B. Appeals. If the SKCDPH denies a permit application, or suspends or revokes a permit for this facility pursuant to WAC 173-351 or for failure to comply with any of the terms of this permit, it shall grant a hearing before the Health Officer on such denial or suspension within thirty (30) days after a written request for such hearing is received, per RCW 70.95.210. The request for such a hearing must be made within ten (10) days of receipt of the denial or suspension. An informal administrative conference can be scheduled by the Health Officer prior to the hearing, in response to a written request for such conference. A notice of the 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 and the reasons therefore. Any party aggrieved by such determination, may appeal to the Pollution Control Hearings Board by filing a notice of appeal with that board within thirty (30) days after receipt of the notice of determination of the Health Officer. The Pollution Control Hearings Board will hold a hearing in accordance with the provisions of the Administrative Procedure Act, Chapter 34.05 RCW, as amended.
- C. Renewal.
1. The Permittee shall apply for renewal of this permit annually. The permittee shall provide a report as described in Section XII(B) and XII(C) of this permit along with the permit application. The report will be an updated version of the annual report due April 1st each year as described in WAC 173-351-200(11), noting any changes from April 1 through August 30, and submitted by September 30 of each year to SKCDPH for the purpose of the permit renewal application. This will serve as the renewal application unless otherwise specified by the SKCDPH. The annual renewal fee must accompany the permit renewal application. The permit application must be approved by the SKCDPH prior to January 1st of each year.
 2. The Permittee is authorized to continue all activities that have been authorized under the most recently issued permit if the SKCDPH has not rendered a decision on renewal by the yearly renewal date of the current permit. If the SKCDPH affirmatively renders a decision not to renew the current or most recently issued permit, the Permittee will be notified in writing that all active landfilling activities

April 9, 2009

must cease but all environmental monitoring and public health protection related activities must be continued.

- D. Reissuance. The Permittee must file a complete reissuance application at least 90 days before this permit expires pursuant to WAC 173-351-720(6).
- E. Modifications/Amendments.
1. A Permittee intending to modify this permit must file a permit modification application at least thirty (30) days before the proposed effective date of modification, pursuant to WAC 173-351-720(5). The application must be in a form approved by the SKCDPH and must contain sufficient information and supporting documentation to allow the regulatory agencies to render a decision on the modification. Only SKCDPH-approved modifications will be allowed.
 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.
 3. Proposed alterations or additions to the operation, maintenance, monitoring, development, closure, and post-closure care of the Cedar Hills Regional Landfill must be described fully in writing in amended plans. No proposed alterations or additions shall be implemented until the SKCDPH has approved the amended plans.
 4. The SKCDPH may amend this permit at any time. Amendments shall be in writing and become specific conditions of this permit. Proposed amendments may be forwarded to the Permittee for review and comment. If forwarded, the Permittee shall have fifteen (15) days to provide comments to the SKCDPH. Upon consideration of the Permittee's comments, the final amendment(s) will be issued and become effective. In event of emergency or imminent threat to human health or the environment, the SKCDPH may waive the review and comment option.
- F. Revocation and Suspension. The SKCDPH may suspend or revoke this permit if the facility is operated in violation of Chapter 70.95 RCW, Chapter 173-351 WAC, or applicable local regulations governing solid waste disposal facilities.
- G. Definitions. The definitions of terms pertaining to solid waste activities used in this permit shall be as defined in the Code of the King County Board of Health – Title 10, and Chapters 173-304, 173-350, and 173-351 WAC, 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.

April 9, 2009

- 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 operating personnel and by authorized representatives of the SKCDPH.
- K. Inspection. Authorized employees of the SKCDPH or their agents may enter upon, inspect, sample, and move freely about the premises of any MSWLF unit after presentation of credentials. Entry shall not be denied by the Permittee, or his or her agent, but the Permittee or his or her agent may accompany the inspector if the escort is immediately available.

SECTION XII. REPORTING REQUIREMENTS

- A. A minimum of one copy of all reports shall be forwarded to each of the following agencies:
1. Seattle-King County Department of Public Health, Solid Waste Program, 401 Fifth Ave., Suite 1100, Seattle, WA 98104.
 2. Washington State Department of Ecology, Northwest Regional Office, Solid Waste & Financial Assistance Program, 3190 160th Ave. S.E., Bellevue, WA 98008-5452.
 3. Any report associated with gas and odor control facilities shall also be forwarded to the Puget Sound Clean Air Agency, 1904 Third Avenue - Suite 105, Seattle, WA 98101.
- B. Annual Report. The Permittee shall prepare and submit an annual report to each agency listed in Section XII(A) per the requirements of WAC 173-351-200(11). An annual report is due by April 1st of the year following the reporting period. An annual report must be approved by the SKCDPH before the renewal permit is issued. The annual report shall include, at a minimum, the following information:
1. Facility name and location, facility contact name, address, and phone number.
 2. A discussion of causes, effects, and proposed corrective action for all instances of non-compliance with the provisions of this permit and Chapter 173-351 WAC, including groundwater, surface water and methane gas exceedances.
 3. An annual analysis of the landfill capacity used and the remaining capacity at the site. This analysis shall include an updated topographic map showing the vertical and horizontal dimensions of the active area, including all assumptions and cross-sections used in the analysis.
 4. An updated cost estimate for closure and post-closure accounts including the effect of deposits, interest income, inflation, and expenditures. Documentation must be provided detailing how these costs were determined.

April 9, 2009

5. Annual quantities of solid waste deposited in the landfill. Special waste categories (e.g. asbestos, petroleum-contaminated soils, etc.) shall be reported separately.
6. Annual quantities of recycled materials collected on-site by category of material.
7. Annual summary of groundwater monitoring results that meets the requirements of WAC 173-351-415(1) and annual summary of the surface water, leachate, and landfill gas monitoring to include findings, interpretation, conclusions, and recommendations.
8. A description of next year's proposed environmental monitoring program.

C. Permit Renewal Application. The annual Renewal Permit Application shall contain the following:

1. Any proposed changes in operating methods, closure or post-closure costs or other changes not falling under the definition of a "permit modification" as defined in WAC 173-351-100. In addition, as part of the application package for the permit renewal, the permittee shall submit by September 30th an updated amendment to the annual report which incorporates any changes from April 1 through August 30 as part of the annual renewal permit application for the Cedar Hills Regional Landfill for the subsequent renewal period unless otherwise specified by the SKCDPH.
2. A list of documents added to the operating record according to WAC 173-351-200(10).
3. Documentation showing that all MSWLF unit operators have continued to comply with the certification requirements of WAC 173-300, "Certification of operators of solid waste incinerator and landfill facilities."
4. An updated Emergency Response Plan (update emergency contact list and facilities plans).

D. Quarterly Monitoring Report. A summary report of ground water, surface water, stormwater, leachate, and landfill gas monitoring shall be prepared quarterly. One of the quarterly reports can meet the requirements of the annual report stipulated in Section XII, B.7 above. Monitoring shall be performed as required in Sections VI, VII, and VIII of this permit. Any changes in the number or location of monitoring stations shall be noted along with a reference to the SKCDPH's date of approval for the specific change. If there is no approval, it must be so stated. The quarterly monitoring report shall contain the following information:

1. A presentation and discussion of unusual conditions and observations noted during the monitoring event and the analytical results of the samples collected.
2. Any violations of regulatory standards, proposed remediation efforts to correct violations, and all field and laboratory data collected in the following areas:

April 9, 2009

- a) Groundwater Detection Monitoring;
 - b) Groundwater Assessment Monitoring (if applicable);
 - c) Surface Water/Stormwater Monitoring;
 - d) Leachate Monitoring; and
 - e) Landfill Gas Monitoring.
3. Weather data from the on-site climatological station.
- E. The SKCDPH shall be notified of new and/or unusual exceedances of regulatory standards within seven (7) days from time of discovery.
- F. Non-Compliance Reporting. The Permittee shall report verbally within forty-eight (48) hours and in writing within 7 days, from time of discovery, all instances of non-compliance with regulatory standards and/or conditions stated within this permit. New instances of non-compliance must be in a section of the report separate from ongoing areas of non-compliance. Instances of non-compliance, which may result in potential public health risk and/or environmental damage, shall be reported immediately. Reporting of such incidents shall be via (206) 205-4394 at Public Health - Seattle & King County, 401 Fifth Avenue, Suite 1100, Seattle, WA 98104 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, call the telephone answering service at 206-726-2454 and the information will be forwarded to the appropriate health authority.

SECTION XIII. COMPLIANCE REQUIREMENTS

Pursuant to WAC 173-351-750(1), required tasks addressing compliance issues at the Cedar Hills Regional Landfill are listed and described in this section. Completion dates are included and compliance tasks are to be completed in updated workplans. To remain in compliance with this permit, the permittee shall complete the tasks by the compliance dates shown, unless King County Solid Waste applies for an alternate date with justifications for the delay which are acceptable to SKCDPH, and SKCDPH approves an alternate date. **All instances of non-compliance will be deemed violations of the permit conditions, and may result in the issuance of one or more violation notices and/or permit suspension in accordance with RCW 70.95.210 and WAC 173-351-760.**

April 9, 2009

HYDROGEOLOGIC REPORT AND GROUNDWATER MONITORING COMPLIANCE TASKS

Task 1 - Provide in a separate document detailed delineation of point of compliance listing all the monitoring wells.

Compliance Date: January 2010

Task 2 - Complete the investigation of the perched zones adjacent to the landfill and provide final report which will be an integral part of the Cedar Hills Landfill updated Hydrogeologic Report. Reference all relevant documents pertaining to this task.

Compliance Date: November 2010

Task 3 - Submit updated site specific Sampling and Analysis Plan for Cedar Hills landfill.

Compliance Date: January 2010

Task 4 - Implement updated Sampling and Analysis Plan. Continue revision after 5 years.

Compliance Date: February 2010

Task 5 - Continue to implement Well Decommission Program

Compliance Date: April 2009

Task 6 - Complete investigation of East Shallow zone and if necessary, prepare plan for mitigation of an impact to shallow groundwater from the landfill.

Compliance Date: November 2010

Task 7 - Prepare workplan for monitoring the performance of the engineered environmental control facilities to ensure protection of groundwater after all facilities are renovated.

April 9, 2009

ENGINEERING COMPLIANCE TASKS

Task 1 –

Bring leachate lagoons and contaminated storm water lagoons into compliance with Chapter 173-350-330 WAC, including the requirements for leak detection monitoring.

Compliance Date:

Submit report for Leachate Lagoon test results - **January 2009**

Conduct CSW Lagoon testing - **September 2009**

Submit report for CSW test results – 30 days after conducting test

Submit work plan for monitoring wells in order to monitor potential discharge from the lagoons - **June 2009**

Task 2 –

Update the CHRLF Plan of Operations to describe how the landfill gas-to-energy plant will operate within the landfill property. Include how landfill gas is delivered to the plant and how discharges from the plant to landfill facilities are managed. Reference can be made to operational documents developed by the landfill gas-to-energy facility operator.

Compliance Date: 30 days before the landfill gas-to-energy facility begins commercial operations

Task 3 –

Complete planned tasks listed in the November 2007 *Cedar Hills Regional Landfill Manhole Repairs & Rehabilitation Progress Report*, including:

- Perform remaining manhole inspections and repairs/rehabilitations
- Develop manhole inspection and maintenance program and incorporate into Plan of Operation
- Prepare follow-up project status report

Compliance Date: December 2009

Task 4 –

Develop and submit scope and schedule for remaining work to be conducted under the Environmental Management Systems Improvement project.

Compliance Date: April 2009

OPERATIONS COMPLIANCE TASKS

Task 1 - Develop a litter and sediment program for the Good Line Parking Area to address the sediment and trailer waste, so that it does not accumulate in the adjacent field and revise Cedar Hill's Surface Water Pollution Prevention Plan to include this information.

Compliance Date: September 2009