

**DIVISION OF WASTE MANAGEMENT  
AND RADIATION CONTROL  
SOLID WASTE LANDFILL PERMIT**

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**Salt Lake Valley Solid Waste Management Facility  
CLASS I LANDFILL**

Pursuant to the provision of the Utah Solid and Hazardous Waste Act, Title 19, Chapter 6, Part 1, Utah Code Annotated (Utah Code Ann.) (the Act) and the Utah Solid Waste Permitting and Management Rules, R315-301 through 320 of the Utah Administrative Code adopted thereunder, a Permit is issued to:

Salt Lake City and Salt Lake County,  
as joint permit owners and operators (Permittees s),

to own, construct, and operate the Salt Lake Valley Solid Waste Management Facility Class I Landfill located in Salt Lake County, Utah as shown in the Permit Renewal Application that was determined complete on January 21, 2022.

The Permittees are subject to the requirements of R315-301 through 320 of the Utah Administrative Code and the requirements set forth herein.

All references to R315-301 through 320 of the Utah Administrative Code are to regulations that are in effect on the date that this permit becomes effective.

This Permit shall become effective \_\_\_\_\_.

Closure Cost Revision Date: \_\_\_\_\_.

This Permit shall expire at midnight \_\_\_\_\_.

Signed this \_\_\_\_\_ day of \_\_\_\_\_, 2022.

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Douglas J. Hansen, Director  
Division of Waste Management and Radiation Control

**Table 1. FACILITY OWNER/OPERATOR INFORMATION**

LANDFILL NAME:	Salt Lake Valley Solid Waste Municipal Facility (SLVSWMF) Class I Landfill
OWNER NAME:	Salt Lake City and Salt Lake County
OWNER ADDRESS:	6030 West California Avenue
OWNER PHONE NO.:	385-468-6370
OPERATOR NAME:	Salt Lake City and Salt Lake County
OPERATOR ADDRESS:	6030 West California Avenue
OPERATOR PHONE NO.:	385-468-6370
TYPE OF PERMIT:	Class I Landfill
FACILITY LOCATION	Landfill site is located in Township 1 south, Range 2 west, sections 10&11, SLMB; Salt Lake County.  Lat. 40° 44' 25" North Long. 112° 1' 57" West
PERMIT NUMBER:	9429R2
PERMIT HISTORY	This facility first received a permit to accept solid waste in July 1993. This is the second renewal of the permit. This renewal permit is effective on the date shown on the signature page.

**Table 2. FACILITY OPERATIONAL UNITS INCLUDED IN THIS PERMIT**

Operational Unit	Description & History	Last Revision
SLVSWMF Class I Landfill	The landfill has been operating since 1993 The first permit for this landfill was issued in 1994 and the first renewal permit was issued on January 15, 2010.	The last revision of this permit was a permit modification to include the alternative final cover design and is included in Attachment 2.
SLVSWMF Compost	The landfill has operated the composting operation to divert wood wastes from landfill disposal. The landfill has composted yard and wood wastes since the 1990's and currently processes these wastes on an asphalt pad adjacent to the landfill.	The Plan of Operation for this composting facility was revised in December, 2021, and is included in Attachment #10.

The term, "Permit," as used in this document is defined in R315-301-2(55) of the Utah Administrative Code. Director as used throughout this permit refers to the Director of the Division of Waste Management and Radiation Control.

The renewal application for the Salt Lake Valley Solid Waste Management Facility (SLVSWMF) was received July 15, 2019 (DSHW-2019-007321). Additional documents received Feb 12, 2019 (DSHW-2019-001685), and January 14, 2022 (DSHW-2022-000634), requested removal of certain groundwater monitoring wells, modification to the landfill floor design, and redesign of certain leachate risers. The additional documents were reviewed and incorporated into the attachments to this permit.

All representations made in the attachments of this permit are enforceable under R315-301-5(2) of the Utah Administrative Code. Where differences in wording exist between this Permit and the attachments, the wording of this Permit supersedes that of the attachments.

This Permit consists of the signature page, Facility Owner/Operator Information section, sections I through IV, and all attachments to this Permit.

The facility as described in this Permit consists of Class I lined disposal modules, maintenance building, scale house, composting area, household hazardous waste collection area (operated by the Salt Lake County Health Department), non-hazardous soils regeneration site (SRS, operated by E.T. Technologies), public drop-off and recycling area, and an office/training building.

Compliance with this Permit does not constitute a defense to actions brought under any other local, state, or federal laws. This Permit does not exempt the Permittees from obtaining any other local, state or federal permits or approvals required for the facility operation.

The issuance of this Permit does not convey any property rights, in either real or personal property, or any exclusive privileges. Nor does this Permit authorize any injury to private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations, including zoning ordinances.

The provisions of this Permit are severable. If any provision of this Permit is held invalid for any reason, the remaining provisions shall remain in full force and effect. If the application of any provision of this Permit to any circumstance is held invalid, its application to other circumstances shall not be affected.

By this Permit, the Permittees are subject to the following conditions.

## PERMIT REQUIREMENTS

### I. GENERAL COMPLIANCE RESPONSIBILITIES

#### I.A. General Operation

I.A.1. The Permittees shall operate the landfill in accordance with all applicable requirements of R315-301 through 320 of the Utah Administrative Code, for a Class I landfill, that are in effect as of the date of this Permit unless otherwise noted in this Permit. Any permit noncompliance or noncompliance with any applicable portions of Utah Code Ann. § 19-6-101 through 125 and applicable portions of R315-301 through 320 of the Utah Administrative Code constitutes a violation of the Permit or applicable statute or rule and is grounds for appropriate enforcement action, permit revocation, modification, termination, or denial of a permit renewal application.

#### I.B. Acceptable Waste

I.B.1. This Permit is for the disposal of non-hazardous solid waste described in Attachment 1 and may include:

I.B.1.a Municipal solid waste as defined by R315-301-2(47) of the Utah Administrative Code;

I.B.1.b Commercial solid waste as defined by R315-302-2(14) of the Utah Administrative Code;

I.B.1.c Industrial solid waste as defined by R315-302-2(35) of the Utah Administrative Code;

I.B.1.d Construction/demolition solid waste as defined by R315-301-2(17), of the Utah Administrative Code;

I.B.1.e Special waste as allowed by R315-315 of the Utah Administrative Code and authorized in section II.I of this Permit and limited by this section;

I.B.1.f Regulated asbestos-containing material in compliance with R315-315-2 of the Utah Administrative Code.

I.B.1.g Hazardous waste generated by a very small quantity generator as specified in R315-262-14 of the Utah Administrative Code;

I.B.1.h Waste that is accepted at the household hazardous waste center is overseen by the Salt Lake County Health Department who maintains a contract with a hazardous waste disposal facility. Management of the hazardous waste is subject the requirements of Rules R315-261 through 270.

I.B.1.i PCB's as specified by R315-315-7(2) of the Utah Administrative Code.

I.C. Prohibited Waste

- I.C.1. Hazardous waste as defined by R315-261-3 of the Utah Administrative Code except as allowed in permit condition I.B.1.g (Acceptable Waste) above;
- I.C.2. Containers larger than household size (five gallons) holding any liquid; non-containerized material containing free liquids; or any waste containing free liquids in containers larger than five gallons;
- I.C.3. PCBs as defined by R315-301-2(53) of the Utah Administrative Code, except as allowed in Section I.B (Acceptable Waste) of this Permit.
- I.C.4. Any prohibited waste received and accepted for treatment, storage, or disposal at the facility shall constitute a violation of this Permit, of Utah Code Ann. § 19-6-101 through 125 and of R315-301 through 320 of the Utah Administrative Code.

I.D. Inspections and Inspection Access

- I.D.1. The Permittees shall allow the Director or an authorized representative, or representatives from the local Health Department, to enter at reasonable times and:
  - I.D.1.a Inspect the landfill or other premises, practices or operations regulated or required under the terms and conditions of this Permit or R315-301 through 320 of the Utah Administrative Code;
  - I.D.1.b Have access to and copy any records required to be kept under the terms and conditions of this Permit or R315-301 through 320 of the Utah Administrative Code;
  - I.D.1.c Inspect any loads of waste, treatment facilities or processes, pollution management facilities or processes, or control facilities or processes required under this Permit or regulated under R315-301 through 320 of the Utah Administrative Code; and
  - I.D.1.d Create a record of any inspection by photographic, video, electronic, or any other reasonable means.

I.E. Noncompliance

- I.E.1. If monitoring, inspection, or testing indicates that any permit condition or any applicable rule under R315-301 through 320 of the Utah Administrative Code may be or is being violated, the Permittees shall promptly make corrections to the operation or other activities to bring the facility into compliance with all permit conditions or rules.
- I.E.2. In the event of noncompliance with any permit condition or violation of an applicable rule, the Permittees shall promptly take any action reasonably necessary to correct the noncompliance or violation and mitigate any risk to the human health or the environment. Actions may include eliminating the activity causing the noncompliance or violation and containment of any waste or contamination using barriers or access restrictions, placing of warning signs, or permanently closing areas of the facility.

- I.E.3. The Permittees shall:
- I.E.3.a Document the noncompliance or violation in the daily operating record, on the day the event occurred or the day it was discovered;
  - I.E.3.b Notify the Director by telephone within 24 hours, or the next business day following documentation of the event; and
  - I.E.3.c Give written notice of the noncompliance or violation and measures taken to protect human health and the environment within seven days after Director notification.
- I.E.4. Within thirty days after the documentation of the event, the Permittees shall submit to the Director a written report describing the nature and extent of the noncompliance or violation and the remedial measures taken or to be taken to protect human health and the environment and to eliminate the noncompliance or violation. Upon receipt and review of the assessment report, the Director may order the Permittees to perform appropriate remedial measures including development of a site remediation plan for approval by the Director.
- I.E.5. In an enforcement action, the Permittees may not claim as a defense that it would have been necessary to halt or reduce the permitted activity to maintain compliance with R315-301 through 320 of the Utah Administrative Code and this Permit.
- I.F. Revocation
- I.F.1. This Permit is subject to revocation if the Permittees fail to comply with any condition of the Permit. The Director will notify the Permittees in writing prior to any proposed revocation action and such action shall be subject to all applicable hearing procedures established under R305-7 of the Utah Administrative Code and the Utah Administrative Procedures Act.
- I.G. Attachment Incorporation
- I.G.1. Attachments to the Permit Application are incorporated by reference into this Permit and are enforceable conditions of this Permit, as are documents incorporated by reference into the attachments. Language in this Permit supersedes any conflicting language in the attachments or documents incorporated into the attachments.
- I.G.2. The Salt Lake Valley Solid Waste Management Facility Compost Plan of Operation is incorporated into the Salt Lake Valley Solid Waste Management Facility Landfill Permit, and is included in Attachment 10.
- I.H. Design and Construction
- I.H.1. The Permittees shall construct any landfill cell, sub-cell, run-on diversion system, runoff containment system, waste treatment facility, leachate handling system, or final cover in accordance with R315-301 thru 320 of the Utah Administrative Code. An alternative final cover design was formerly approved on April 18, 2017 (DSHW-2017-002167), and is included in Attachment 2.

- I.H.1.a Prior to construction of any landfill cell, sub-cell, engineered control system, waste treatment facility, leachate handling system, or final cover, the Permittees shall submit construction design drawings and a Construction Quality Control and Construction Quality Assurance (CQC/CQA) Plans to the Director for approval.
- I.H.1.b Approved design drawings and CQA/CQC plans will be incorporated into this permit through modification. Buildings do not require approval. The Permittees shall construct any landfill cell, sub-cell, cell liner, engineered control system, waste treatment facility, leachate handling system, and final cover in accordance with the design drawings and CQC/CQA Plans submitted to and approved by the Director.
- I.H.1.c An updated landfill floor design has been included in Attachment 3 to accommodate the removal of leachate from Module 8 as the landfill elevation increases. The change includes the elimination of leachate removal pipes 1 through 5 from the leachate monitoring network.
- I.H.1.d After construction, the Permittees shall notify the Director of completion of construction of any landfill cell, sub-cell, engineered control system, waste treatment facility, or final cover. Landfill cells may not be used for treatment or disposal of waste until all CQC/CQA documents and construction-related documents, including as-built drawings, are approved by the Director and this permit has been modified to reflect these changes. The Permittees shall submit as-built drawings for each construction event that are stamped and approved by an engineer registered in the State of Utah.
- I.H.1.e The Permittees shall notify the Director of any proposed incremental closure, placement of any part of the final cover, or placement of the full final cover. Design approval must be received from the Director and this permit modified prior to construction. The design shall be accompanied by a CQC/CQA Plan, for each construction season where incremental or final closure is performed.
- I.H.1.f A qualified party, independent of the owner and the construction contractor, shall perform the quality assurance function on liner components, cover components, and other testing as required by the approved CQC/CQA Plan. The results shall be submitted to the Director as part of the as-built drawings.
- I.H.1.g All engineering drawings submitted to the Director shall be stamped and approved by a professional engineer with a current registration in Utah.
- I.H.1.h If ground water is encountered during excavation of the landfill, the Director shall be notified immediately, and a contingency plan implemented, or alternative construction design developed and submitted for approval.
- I.H.2. Run-On Control
- I.H.2.a The Permittees shall construct drainage channels and diversions as specified in the Permit Application and shall always maintain them to effectively prevent runoff from the surrounding area from entering the landfill.
- I.H.3. Equivalent Design



- I.H.3.a The Permittees proposed a landfill liner design that uses a geosynthetic clay liner in place of the clay component of the liner required by R315-303-3(3)(a)(ii) of the Utah Administrative Code. The proposed liner is approved.

## **II. LANDFILL OPERATION**

### **II.A. Operations Plan**

- II.A.1. The Permittees shall keep the Operations Plan included in Attachment 4, on site at the landfill or at the location designated in section II.K of this Permit. The Permittees shall operate the landfill in accordance with the operations plan.
- II.A.2. The Permittees may modify the Operations Plan following the procedures of R315-311-2(1) of the Utah Administrative Code and approved of by the Director.
- II.A.3. The Permittees shall note any modification to the Operations Plan in the daily operating record.

### **II.B. Security**

- II.B.1. The Permittees shall operate the Landfill so that unauthorized entry to the facility is restricted. The Permittees shall:
- II.B.1.a Lock all facility gates and other access routes during the time the landfill is closed.
- II.B.1.b Have at least three persons employed by the Permittees at the landfill during all hours that the landfill is open.
- II.B.1.c Construct all fencing and any other access controls as shown in the Permit Application to prevent access by persons or livestock by other routes.

### **II.C. Training**

- II.C.1. The Permittees shall provide training for on-site personnel in landfill operation, including waste load inspection, hazardous waste identification, and personal safety and protection.

### **II.D. Burning of Waste**

- II.D.1. Intentional burning of solid waste is prohibited and is a violation of R315-303-4(2)(b) of the Utah Administrative Code.
- II.D.2. The Permittees shall extinguish all accidental fires as soon as reasonably possible.

### **II.E. Daily Cover**

- II.E.1. The Permittees shall completely cover the solid waste received at the landfill at the end of each working day with a minimum of six inches of earthen material.

II.E.2. The Permittees may use an alternative daily cover material when the material and the application of the alternative daily cover meets the requirements of R315-303-4(4)(b) through (e) of the Utah Administrative Code.

II.E.2.a The Director approves an alternative daily cover material that consists of:

II.E.2.a.(i) Posi-Shell® or FiberCoat®

II.E.2.a.(ii) Debagged leaves;

II.E.2.a.(iii) Shredded tires;

II.E.2.a.(iv) Auto fluff

II.E.2.a.(v) Ground glass;

II.E.2.a.(vi) Shredded MSW.

II.E.2.b The Permittees shall apply standard daily cover (min. 6 inches of soil) at least once per week.

II.E.2.c The Permittees shall apply standard daily cover any time the daily cover will be exposed for greater than 24 hours.

II.E.2.d The Permittees shall apply standard daily cover when weather conditions (e.g., wind, rain, etc.) prevent proper use of alternate daily cover.

II.E.2.e The Permittees shall record alternative daily cover use dates in the facility daily operating log.

II.E.2.f The Director may rescind or amend the alternative daily cover approval if the requirements to prevent blowing debris, to minimize access to the waste by vectors, to minimize the threat of fires at the open face, to minimize odors, or to shed precipitation are not met, or if necessary to prevent nuisance conditions or adverse impacts to human health or the environment.

## II.F. Ground Water Monitoring

II.F.1. The Permittees shall monitor the ground water underlying the landfill in accordance with the Ground Water Monitoring Plan and the Ground Water Monitoring Quality Assurance/Quality Control Plan contained in the Permit Application and included in Attachment 5.

II.F.1.a The Permittees may modify the Ground Water Monitoring Plan and the Ground Water Monitoring Quality Assurance/Quality Control Plan, provided that the modification meets all of the requirements of R315-301 through 320 of the Utah Administrative Code and is approved by the Director as a minor modification under R315-311-2(1)(a) of the Utah Administrative Code.

II.F.1.b The Permittees shall note in the daily operating record any modification to the Ground Water Monitoring Plan and the Ground Water Monitoring Quality

Assurance/Quality Control Plan. A plan change that the Director finds to be less protective of human health or the environment than the approved plan is a major modification and is subject to the requirements of R315-311 of the Utah Administrative Code.

II.G. Gas Monitoring

- II.G.1. The Permittees shall monitor explosive gases at the landfill in accordance with the Gas Monitoring Plan contained in the Permit Application and included in Attachment 6 and shall otherwise meet the requirements of R315-303-3(5) of the Utah Administrative Code.
- II.G.1.a The Permittees may modify the Gas Monitoring Plan, provided that the modification meets all of the requirements of R315-301 through 320 of the Utah Administrative Code and is approved by the Director as a minor modification under R315-311-2(1) of the Utah Administrative Code.
- II.G.1.b The Permittees shall note any modification to the Gas Monitoring Plan in the daily operating record.
- II.G.2. If the concentrations of explosive gases at any of the facility structures, at the property boundary, or beyond the property boundary ever exceed the standards set in R315-303-2(2)(a) of the Utah Administrative Code, the Permittees shall:
- II.G.2.a Immediately take all necessary steps to ensure protection of human health and notify the Director;
- II.G.2.b Within seven days of detection, place in the daily operating record the explosive gas levels detected and a description of the immediate steps taken to protect human health;
- II.G.2.c Implement a remediation plan that meets the requirements of R315-303-3(5)(b) of the Utah Administrative Code; and
- II.G.2.d Submit the plan to, and receive approval from, the Director prior to implementation.
- II.G.2.e The Permittees shall operate and maintain the active landfill gas collection system consisting of:
- II.G.2.e.(i) Vertical gas extraction wells installed within the unlined landfill cell;
- II.G.2.e.(ii) Vapor extraction wells along the property boundary;
- II.G.2.e.(iii) A blower and flare system to collect and treat the gas; and
- II.G.2.e.(iv) Soil gas monitoring wells located along the facility boundary as necessary to meet the requirements of R315-303-3(5) of the Utah Administrative Code.

II.H. Waste Inspections

- II.H.1. The Permittees shall visually inspect incoming waste loads to verify that no wastes other than those allowed by this permit are disposed in the landfill.
- II.H.1.a The Permittees shall conduct a complete waste inspection at a minimum frequency of 1 % of incoming loads,
- II.H.1.b The Permittees shall select the loads to be inspected on a random basis.
- II.H.1.c The Permittees shall inspect all loads suspected or known to have one or more containers capable of holding more than five gallons of liquid to ensure that each container is empty.
- II.H.1.d The Permittees shall inspect all loads that the Permittees suspect may contain a waste not allowed for disposal at the landfill.
- II.H.2. The Permittees shall conduct complete random inspections as follows:
- II.H.2.a The Permittees shall conduct the random waste inspection at the working face or an area designated by the Permittees .
- II.H.2.b The Permittees shall direct that loads subjected to complete inspection be unloaded at the designated area;
- II.H.2.c Loads shall be spread by equipment or by hand tools;
- II.H.2.d Personnel trained in hazardous waste recognition and recognition of other unacceptable waste shall conduct a visual inspection of the waste; and
- II.H.2.e The personnel conducting the inspection shall record the results of the inspection on a waste inspection form as found in Attachment 7 this Permit. The Permittees shall place the form in the daily operating record at the end of the operating day.
- II.H.2.f The Permittees or the waste transporter shall properly dispose of any waste found that is not acceptable at the facility at an approved disposal site for the waste type and handle the waste according to the rules covering the waste type.

II.I. Disposal of Special Wastes

- II.I.1. If a load of incinerator ash is accepted for disposal, the Permittees shall transport it to the place of disposal in such a manner as to prevent leakage or the release of fugitive dust. The Permittees shall completely cover the ash with a minimum of six inches of material, or the Permittees shall use other methods or material, if necessary, to control fugitive dust. The Permittees may use ash for daily cover when its use does not create a human health or environmental hazard.
- II.I.2. The Permittees may dispose of animal carcasses in the landfill working face and shall cover them with other solid waste or earth by the end of the operating day in which the carcasses are received. Alternatively, the Permittees may dispose of animal carcasses in a special trench or pit prepared for the acceptance of dead animals. If a

special trench is used, the Permittees shall cover animals placed in the trench with six inches of earth by the end of each operating day.

II.I.3. The Permittees shall handle and dispose of asbestos waste in accordance with R315-315-2 of the Utah Administrative Code.

II.J. Self-Inspections

II.J.1. The Permittees shall inspect the facility to prevent malfunctions and deterioration, operator errors, and discharges that may cause or lead to the release of wastes or contaminated materials to the environment or create a threat to human health or the environment.

II.J.1.a The Permittees shall complete these general inspections no less than quarterly and shall cover the following areas: Waste placement, compaction, cover; cell liner; leachate systems; fences and access controls; roads; run-on/run-off controls; ground water monitoring wells; final and intermediate cover; litter controls; and records.

II.J.1.b The Permittees shall place a record of the inspections in the daily operating record on the day of the inspection. The Permittees shall correct the problems identified in the inspections in a timely manner and document the corrective actions in the daily operating record.

II.K. Recordkeeping

II.K.1. The Permittees shall maintain and keep on file at the landfill office, a daily operating record and other general records of landfill operation as required by R315-302-2(3) of the Utah Administrative Code.

II.K.1.a The landfill operator, or other designated personnel, shall date and sign the daily operating record at the end of each operating day. Each record to be kept shall contain the signature of the appropriate operator or personnel and the date signed. The Daily operating record shall consist of the following two types of documents:

II.K.1.b Records related to the daily landfill operation or periodic events including:

II.K.1.b.(i) The number of loads of waste and the weights or estimates of weights or volume of waste received each day of operation and recorded at the end of each operating day;

II.K.1.b.(ii) Major deviations from the approved plan of operation, recorded at the end of the operating day the deviation occurred;

II.K.1.b.(iii) Results of monitoring required by this Permit, recorded in the daily operating record on the day of the event or the day the information is received;

II.K.1.b.(iv) Records of all inspections conducted by the Permittees, results of the inspections, and corrective actions taken, recorded in the record on the day of the event.

II.K.1.c Records of a general nature including:

- II.K.1.c.(i) A copy of this Permit, including the Permit Application;
- II.K.1.c.(ii) Results of inspections conducted by representatives of the Director, and of representatives of the local Health Department, when forwarded to the Permittees ;
- II.K.1.c.(iii) Closure and Post-closure care plans; and
- II.K.1.c.(iv) Records of employee training.

II.L. Reporting

II.L.1. The Permittees shall prepare and submit to the Director an Annual Report as required by R315-302-2(4) of the Utah Administrative Code.

II.L.1.a The Annual Report shall include:

- II.L.1.a.(i) The period covered by the report;
- II.L.1.a.(ii) The annual quantity of waste received;
- II.L.1.a.(iii) An annual update of the financial assurance mechanism;
- II.L.1.a.(iv) Any leachate analysis results, all ground water monitoring results, the statistical analysis of ground water monitoring results;
- II.L.1.a.(v) The results of gas monitoring;
- II.L.1.a.(vi) The quantity of leachate pumped; and
- II.L.1.a.(vii) All training programs completed.

II.M. Roads

II.M.1. The Permittees shall maintain all access roads within the landfill boundary that are used for transporting waste to the landfill for disposal shall be improved and maintained as necessary to assure safe and reliable all-weather access to the disposal area.

II.N. Litter Control

II.N.1. Litter resulting from operations of the landfill shall be minimized. In addition to the litter control plans found in Attachment 4 and the Permit Application, the Permittees shall implement the following procedures when high wind conditions are present:

- II.N.1.a Reduce the size of the tipping face;
- II.N.1.b Reduce the number of vehicles allowed to discharge at the tipping face at one time;
- II.N.1.c Orient vehicles to reduce wind effects on unloading and waste compaction;
- II.N.1.d Reconfigure tipping face to reduce wind effect;

- II.N.1.e Use portable and permanent wind fencing as needed; and
- II.N.1.f Should high winds present a situation that the windblown litter cannot be controlled, the Permittees shall cease operations of the landfill until the winds diminish.

### **III. CLOSURE REQUIREMENTS**

#### **III.A. Closure**

III.A.1. The Permittees shall install final cover of the landfill as shown in Attachment 8.

III.A.1.a The final cover shall meet, at a minimum, the standard design for closure as specified in the R315-303-3(4) of the Utah Administrative Code plus sufficient cover soil or equivalent material to protect the low permeability layer from the effects of frost, desiccation, and root penetration.

III.A.1.b The Permittees shall submit to the Director a quality assurance plan for construction of the final landfill cover, and approval of the plan shall be received from the Director prior to construction of any part of the final cover at the landfill.

III.A.1.c A qualified person not affiliated with either the Permittees or the construction contractor shall perform permeability testing on the recompacted clay placed as part of the final cover.

III.A.1.d This Permittees have demonstrated through geologic, hydrogeologic, climatic, waste stream, cover material properties, infiltration factors, and other factors that the landfill will not contaminate ground water and is approved for the alternative cover design as outlined in the Permit Application and included in Attachment 8.

III.A.1.d.(i) Upon finding by the Director of any contamination of ground water resulting from the landfill, the Director may revoke this alternative cover design approval and the Director may require placement of a cover meeting the requirements of R315-303-3(4)(a) of the Utah Administrative Code or other remedial action as required by the Director.

#### **III.A.2. Title Recording**

III.A.2.a The Permittees shall meet the requirements of R315-302-2(6) of the Utah Administrative Code by recording a notice with the Salt Lake County Recorder as part of the record of title that the property has been used as a landfill. The notice shall include waste disposal locations and types of waste disposed. The Permittees shall provide the Director the notice as recorded.

#### **III.B. Post-Closure Care**

III.B.1. The Permittees shall perform post-closure care at the closed landfill in accordance with the Post-Closure Care Plan included in Attachment 8 and contained in the Permit Application.

III.B.1.a Post-closure care shall continue until all waste disposal sites at the landfill have stabilized and the finding of R315-302-3(7)(c) of the Utah Administrative Code is made.

III.C. Financial Assurance

III.C.1. The Permittees shall keep in effect and active the currently approved financial assurance mechanism or another approved mechanism that meets the requirements of R315-309 of the Utah Administrative Code and is approved by the Director to cover the costs of closure and post-closure care at the landfill.

III.C.1.a The Permittees shall adequately fund and maintain the financial assurance mechanism to provide for the cost of closure at any stage or phase or anytime during the life of the landfill.

III.D. Financial Assurance Annual Update

III.D.1. The Permittees shall submit an annual revision of closure and post-closure costs for inflation and financial assurance funding as required by R315-309-2(2) of the Utah Administrative Code, to the Director as part of the annual report

III.D.2. The Permittees shall submit the information as required in R315-309-8 of the Utah Administrative Code and shall meet the qualifications for the "Local Government Guarantee" each year

III.E. Closure Cost and Post-Closure Cost Revision

III.E.1. The Closure and Post-Closure Cost estimate is included in Attachment 9.

III.E.2. The Permittees shall submit a complete revision of the closure and post-closure cost estimates by the Closure Cost Revision Date listed on the signature page of this Permit and any time the facility is expanded, any time a new cell is constructed, or any time a cell is expanded.

**IV. ADMINISTRATIVE REQUIREMENTS**

IV.A. Permit Modification

IV.A.1. Modifications to this Permit may be made upon application by the Permittees or by the Director following the procedures specified in R315-311-2 of the Utah Administrative Code. The Permittees shall be given written notice of any permit modification initiated by the Director.

IV.B. Permit Transfer

IV.B.1. This Permit may be transferred to a new permittee or new permittees by complying with the permit transfer provisions specified in R315-310-11 of the Utah Administrative Code.



IV.C. Expansion

- IV.C.1. The permitted landfill shall operate according to the design and Operation Plan described and explained in this Permit. Any expansion of the current footprint designated in the description contained in the Permit Application, but within the property boundaries designated in the Permit Application, shall require submittal of plans and specifications to the Director. The plans and specifications shall be approved by the Director prior to construction.
- IV.C.2. Any expansion of the landfill facility beyond the property boundaries designated in the description contained in the Permit Application shall require submittal of a new permit application in accordance with the requirements of R315-310 of the Utah Administrative Code.
- IV.C.3. Any addition to the acceptable wastes described in Section I.B shall require submittal of all necessary information to the Director and the approval of the Director.

IV.D. Expiration

- IV.D.1. If the Permittees desire to continue operating this landfill after the expiration date of this Permit, the Permittees shall submit an application for permit renewal at least six months prior to the expiration date, as shown on the signature (cover) page of this Permit.
- IV.D.1.a If the Permittees timely submit a permit renewal application and the permit renewal is not complete by the expiration date, this Permit shall continue in force until renewal is completed or denied.

**PERMIT ATTACHMENTS**

- |               |   |
|---------------|---|
| Attachment 1  | Facility Description and Waste Types      |
| Attachment 2  | Alternative Final Cover                   |
| Attachment 3  | Leachate Collection Floor Design Addendum |
| Attachment 4  | Plan of Operations                        |
| Attachment 5  | Groundwater Monitoring Plan (2009)        |
| Attachment 6  | Landfill Gas Monitoring Plan              |
| Attachment 7  | Monitoring and Inspection Forms           |
| Attachment 8  | Closure and Post-Closure Plan             |
| Attachment 9  | Closure and Post-Closure Cost Estimates   |
| Attachment 10 | Compost Plan of Operation                 |