

**DIVISION OF SOLID AND HAZARDOUS WASTE  
SOLID WASTE PERMIT RENEWAL**

**MOAB CLASS IVb LANDFILL**

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

Grand County Solid Waste Management Special Service District #1,  
as owner and operator (Permittee),

to own, construct and operate the Moab Landfill located in Township 26 S, Range 22 E, Sections 5 and 6, SLMB; Grand County, Utah as shown in the permit renewal application that was determined complete on *(insert date of draft permit cover letter and DSHW tracking number)*.

The Permittee is 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 \_\_\_\_\_.

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

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

Signed this \_\_\_\_\_ day of \_\_\_\_\_, 2015.

\_\_\_\_\_  
Scott T. Anderson, Director  
Division of Solid and Hazardous Waste

## FACILITY OWNER/OPERATOR INFORMATION

LANDFILL NAME: Moab Landfill

OWNER NAME: Solid Waste Management Special Service District #1

OWNER ADDRESS: 1000 East Sand Flats Road  
P.O. Box 980  
Moab, Utah 84532

OWNER PHONE NO.: (435) 259-3867

OPERATOR NAME: same as owner

TYPE OF PERMIT: Class IVb Landfill

PERMIT NUMBER: 9704R2

LOCATION: Landfill site is located in NW ¼ SW ¼ of Section 5 and the E ½ SE ¼ NE ¼ SE ¼, and E ½ NE ¼ SE ¼ SE ¼ of Section 6, Township 26 S, Range 22 E, Salt Lake Base and Meridian, Grand County, Lat. 38° 48' 47", Long. 109° 47' 34"

DIRECTIONS TO FACILITY: Approximately two miles east of Moab at 1000 East Sand Flats Road

PERMIT HISTORY: Permit renewal signed *insert date signed*

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

This Permit consists of the signature page, Facility Owner/Operator Information Section, Sections I through V and all attachments to this Permit.

The facility described in this Permit consists of the gate house and Class IVb waste disposal cell.

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 Permittee 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, other than the rights inherent in this Permit, in either real or personal property, or any exclusive privileges other than those inherent in this Permit. 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 Permittee is subject to the following conditions.

I. **GENERAL COMPLIANCE RESPONSIBILITIES**

A. General Operation

The Permittee shall operate the landfill in accordance with all applicable requirements of R315-304 of the Utah Administrative Code 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 123 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 or denial of a permit renewal application.

B. Acceptable Waste

1. Construction/demolition waste as defined in R315-301-2(17) of the Utah Administrative Code;
2. Yard waste as defined in R315-301-2(87) of the Utah Administrative Code;
3. Inert waste as defined in R315-301-2(37) of the Utah Administrative Code;
4. Waste tires when the requirements of R315-320 of the Utah Administrative Code are met; and
5. Petroleum contaminated soils as allowed in R315-315-8(3) of the Utah Administrative Code.

C. Prohibited Waste

1. Hazardous waste as defined by R315-1 and R315-2 of the Utah Administrative Code;
2. PCBs as defined by R315-301-2(53) of the Utah Administrative Code, except PCBs specified by R315-315-7(2)(a) and (c) of the Utah

Administrative Code;

3. Household waste, except waste resulting from the abatement, rehabilitation, renovation and remodeling of homes and other residences;
4. Municipal waste;
5. Special waste except as specified in this Permit;
6. Regulated asbestos-containing material;
7. Industrial waste as defined in R315-301-2(35) of the Utah Administrative Code;
8. Commercial waste as defined in R315-301-2(14) of the Utah Administrative Code; and
9. 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.

Any prohibited waste received and accepted for disposal at the facility shall constitute a violation of this Permit, of 19-6-101 through 125 and of R315-301 through 320 of the Utah Administrative Code.

D. Inspections and Inspection Access

The Permittee shall allow the Director or an authorized representative or representatives from the Southeastern Utah District Health Department to enter at reasonable times and:

1. 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;
2. 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;
3. 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
4. Create a record of any inspection by photographic, video, electronic or any other reasonable means.

E. Noncompliance

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 Permittee shall promptly make corrections to the operation or other activities to bring the facility into compliance with all permit conditions or rules.

In the event of noncompliance with any permit condition or violation of an applicable rule, the Permittee 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.

The Permittee shall:

1. Document the noncompliance or violation in the daily operating record, on the day the event occurred or the day it was discovered;
2. Notify the Director by telephone within 24 hours or the next business day following documentation of the event; and
3. Give written notice of the noncompliance or violation and measures taken to protect human health and the environment within seven days after Director notification.

Within thirty days after the documentation of the event, the Permittee 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 Permittee to perform appropriate remedial measures including development of a site remediation plan for approval by the Director.

In an enforcement action, the Permittee may not claim as a defense that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with R315-301 through 320 of the Utah Administrative Code and this Permit.

F. Revocation

This Permit is subject to revocation if the Permittee fails to comply with any condition of the Permit. The Director will notify the Permittee 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.

G. Attachment Incorporation

Attachments to the Permit 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.

II. DESIGN AND CONSTRUCTION

A. Design and Construction

The landfill shall be constructed according to the design outlined in Attachment 1 and in the area designated in the Attachment 1, including landfill cells, fences, gates and berms.

The Permittee shall notify the Director upon completion of construction of any landfill cells or run-on and run-off diversion systems. No landfill cells or run-on and run-off diversion system may be used until construction is approved by the Director.

The Permittee shall notify the Director of the completion of construction of any final cover system and shall provide all necessary documentation and shall apply for approval of the construction from the Director.

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.

All engineering drawings submitted to the Director shall be stamped by a professional engineer with a current registration in Utah.

B. Run-On Control

The Permittee shall construct drainage channels and diversions as specified in Attachment 1 and shall maintain them at all times to effectively prevent runoff from the surrounding area from entering the landfill.

III. LANDFILL OPERATION

A. Plan of Operation

The Permittee shall keep the Plan of Operations included in Attachment 2 onsite at the landfill or at the location designated in Section III-H of this Permit. The Permittee shall operate the landfill in accordance with the Plan of Operations. If necessary, the Permittee may modify the Plan of Operations, provided that the modification meets all of the requirements of R315-301 through 320 of the Utah Administrative Code and is as protective of human health and the environment as the Plan of Operations approved as part of this Permit. Any modification must be approved by the Director as a minor modification under R315-311-2(1)(a) of the Utah Administrative Code. The Permittee shall note any modification to the Plan of Operations in the daily operating record.

The Permittee shall submit any modification to the Plan of Operations to the Director for approval.

B. Security

The Permittee shall operate the landfill so that unauthorized entry to the facility is restricted. The Permittee shall:

1. Lock all facility gates and other access routes during the time the landfill is closed.
2. Have at least one person employed by the Permittee at the landfill during all hours that the landfill is open.
3. Construct all fencing and any other access controls as shown in Attachment 1 to prevent access by persons or livestock by other routes.

C. Training

Permittee shall provide training for onsite personnel in landfill operation, including waste load inspection, hazardous waste identification and personal safety and protection.

D. Burning of Waste

Intentional burning of solid waste is prohibited and is a violation of R315-303-4(2)(b) of the Utah Administrative Code.

The Permittee shall extinguish all accidental fires as soon as reasonably possible.

E. Cover

The Permittee shall cover the waste as necessary to prevent fires and to control

vectors, blowing litter, odor, scavenging and fugitive dust.

The Permittee may use an alternative cover material when the material and operation meets the requirements of R315-303-4(4)(b) through (e) of the Utah Administrative Code.

The Permittee shall use a minimum of six inches of earthen cover no less than once each quarter (three months) for all wastes received at the landfill. This cover shall consist of soil; no alternative may be used.

The Permittee shall record in the daily operating record and the operator shall certify, at the end of each day of operation when soil or an alternative cover is placed, the amount and type of cover placed and the area receiving cover.

F. Waste Inspections

The Permittee shall visually inspect incoming waste loads to verify that no wastes other than those allowed by this Permit are disposed in the landfill. The Permittee shall conduct a complete waste inspection at a minimum frequency of 1% of incoming loads, but no less than one complete inspection per month. The Permittee shall select the loads to be inspected on a random basis.

The Permittee 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.

The Permittee shall inspect all loads that the Permittee suspects may contain a waste not allowed for disposal at the landfill.

Random inspections shall be conducted as follows:

1. The Permittee shall conduct the random waste inspection at the working face or an area designated by the Permittee.
2. The Permittee shall direct that loads subjected to complete inspection be unloaded at the designated area;
3. Loads shall be spread by equipment or by hand tools;
4. Personnel trained in hazardous waste recognition and recognition of other unacceptable waste shall conduct a visual inspection of the waste; and
5. The personnel conducting the inspection shall record the results of the inspection on a waste inspection form as found in Attachment 2. The Permittee shall place the form in the daily operating record at the end of the operating day.



6. The Permittee 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.

G. Self Inspections

The Permittee 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. The Permittee shall complete these general inspections no less than quarterly and shall cover the following areas: waste placement, adequate cover, fences and access controls, roads, run-on/run-off controls, final and intermediate cover, litter controls and records. The Permittee shall place a record of the inspections in the daily operating record on the day of the inspection. The Permittee shall correct the problems identified in the inspections in a timely manner and document the corrective actions in the daily operating record.

H. Recordkeeping

The Permittee shall maintain and keep on file at the gate house a daily operating record and other general records of landfill operation as required by R315-302-2(3) of the Utah Administrative Code. The landfill operator, or other designated personnel, shall date and sign the daily operating record at the end of each operating day. The daily operating record shall consist of the following two types of documents:

1. Records related to the daily landfill operation or periodic events including:
  - a. 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;
  - b. Major deviations from the approved Plan of Operations recorded at the end of the operating day the deviation occurred;
  - c. 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;
  - d. Records of all inspections conducted by the Permittee, results of the inspections and corrective actions taken shall be recorded in the record on the day of the event.
2. Records of a general nature including:

- a. A copy of this Permit, including the Attachments;
- b. Results of inspections conducted by representatives of the Director and representatives of the local Health Department, when forwarded to the Permittee;
- c. Closure and Post-closure care plans; and
- d. Records of employee training.

I. Reporting

The Permittee shall prepare and submit to the Director an annual report as required by R315-302-2(4) of the Utah Administrative Code. The annual report shall include the period covered by the report, the annual quantity of waste received, an annual update of the financial assurance mechanism and all training programs completed.

J. Roads

The Permittee shall improve and maintain all access roads within the landfill boundary that are used for transporting waste to the landfill for disposal as necessary to assure safe and reliable all-weather access to the disposal area.

K. Litter Control

Litter resulting from operations of the landfill shall be minimized. In addition to the litter control plans found in Attachment 2, the Permittee shall implement the following procedures when high wind conditions are present:

1. Reduce the size of the tipping face;
2. Reduce the number of vehicles allowed to discharge at the tipping face at one time;
3. Orient vehicles to reduce wind effects on unloading and waste compaction;
4. Reconfigure tipping face to reduce wind effect;
5. Use portable and permanent wind fencing as needed; and
6. Should high winds present a situation that the windblown litter cannot be controlled, cease operations of the landfill until the winds diminish.

#### IV. CLOSURE REQUIREMENTS

##### A. Closure

The Permittee shall place the final cover of the landfill as shown in the Attachment 3. The final cover shall meet, at a minimum, the standard design for closure as specified in R315-305-5(5)(b) of the Utah Administrative Code.

##### B. Title Recording

The Permittee shall meet the requirements of R315-302-2(6) of the Utah Administrative Code by recording a notice with the Grand 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 Permittee shall provide the Director a copy of the recorded notice.

##### C. Post-Closure Care

The Permittee shall perform post-closure care at the closed landfill in accordance with the Post-Closure Care Plan contained in Attachment 3. 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.

##### D. Financial Assurance

The Permittee 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. The Permittee shall adequately fund and maintain the financial assurance mechanism(s) to provide for the cost of closure and post-closure until termination of financial assurance in accordance with R315-309-11 of the Utah Administrative Code.

With each annual revision of the closure and post-closure care cost estimate, the Permittee shall determine the annual payments to be made to the trust fund by the following formula:

$$NP=[CE-CV]/Y$$

where NP is the next payment, CE is the current cost estimate for closure and post-closure care (updated for inflation or other changes), CV is the current value of the trust fund, and Y is the number of years remaining in the pay-in period.

##### E. Financial Assurance Annual Update

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

F. Closure Cost and Post-Closure Cost Revision

The Permittee 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.

V. ADMINISTRATIVE REQUIREMENTS

A. Permit Modification

Modifications to this Permit may be made upon application by the Permittee or by the Director. The Permittee shall be given written notice of any permit modification initiated by the Director.

B. Permit Transfer

This Permit may be transferred to a new Permittee in accordance with R315-310-11 of the Utah Administrative Code.

C. Expansion

This Permit is for the operation of a Class IVb Landfill according to the design and Plan of Operations described and explained in Attachments 1 and 2. Any expansion of the current footprint designated in the description contained in Attachment 1, but within the property boundaries designated in Attachment 1, shall require submittal of plans and specifications to the Director. The plans and specifications shall be approved by the Director prior to construction.

Any expansion of the landfill facility beyond the property boundaries designated in the description contained in Attachment 1 shall require submittal of a new permit application in accordance with the requirements of R315-310 of the Utah Administrative Code.

Any addition to the acceptable wastes described in Section I-B shall require a permit modification in accordance with R315-311 of the Utah Administrative Code.

D. Expiration

If the Permittee desires to continue operating this landfill after the expiration date of this Permit, the Permittee 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. If the Permittee timely submits 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.

File: - Permit 9704R2

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## Attachments

Attachment 1 – Landfill Design and Construction Plans

Attachment 2 – Plan of Operation

Attachment 3 – Closure and Post-Closure

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Attachment 1  
Design and Construction

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Attachment 2  
Operations Plan



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Attachment 3  
Closure and Post-Closure