



State of Utah

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Executive Secretary

May 2, 2013

Jaren C. Scott, Superintendent
Solid Waste
Summit County
P.O. Box 128
Coalville, Utah 84017

RE: Permit to Operate Three Mile Canyon Landfill
Summit County, Utah

Dear Mr. Scott:

Enclosed is the permit to continue to operate the Three Mile Canyon Landfill. The permit expires on the date shown on the cover sheet. If renewal of this permit is desired, you must submit an application for renewal 180 days prior to the permit expiration date.

The public comment period on both the permit application and draft permit began February 1, 2013 and ended on March 4, 2013. One comment was received.

Periodic inspections of the landfill will be conducted by representatives of the Division of Solid and Hazardous Waste and the Summit County Health Department to assess compliance with the conditions of the permit and applicable Solid Waste Rules.

If you have any questions, please call Matt Sullivan at (801) 536-0241.

Sincerely,

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

STA/MBS/kk

Enclosure

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c: Richard C. Bullough, PhD, Health Officer, Summit County Health Department
Robert Swensen, EHS, Environmental Health Director, Summit County Health
Department

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

**Three Mile Canyon
CLASS I LANDFILL**

Pursuant to the provisions of the *Utah Solid and Hazardous Waste Act*, Title 19, Chapter 6, Part 1, Utah Code Annotated (Utah Code Ann.) 1953, as amended (the Act) and the *Utah Solid Waste Permitting and Management Rules*, Utah Administrative Code (Utah Admin. Code) R315-301 through 320 adopted thereunder, a Permit is issued to

Summit County as owner and operator
(Permittee),

to own, and operate the Three Mile Canyon Class I Landfill located in the southeast 1/4 section of Section 5., Township 1 South, Range 5 East, Salt Lake Base and Meridian, Summit County, Utah as shown in the Permit Renewal Application that was determined complete on September 26, 2012 (DSHW-2012-010120).

The Permittee is subject to the requirements of Utah Admin. Code R315-301 through 320 and the requirements set forth herein.

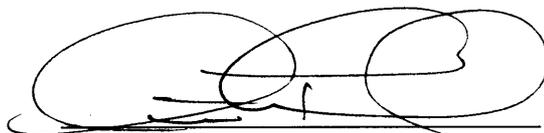
All references to Utah Admin. Code R315-301 through 320 are to regulations that are in effect on the date that this Permit becomes effective.

This Permit shall become effective May 15, 2013.

This Permit shall expire at midnight May 14, 2023.

Closure Cost Revision Date: May 15, 2018.

Signed this 2nd day of May, 2013.



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

FACILITY OWNER/OPERATOR INFORMATION

LANDFILL NAME: Three Mile Canyon Landfill

OWNER NAME: Summit County

OWNER ADDRESS: 1755 South Hoytsville Road, Coalville, Utah 84017

OWNER PHONE NO.: (435) 336-3970

OPERATOR NAME: Summit County

OPERATOR ADDRESS: (same as above)

OPERATOR PHONE NO.: (same as above)

TYPE OF PERMIT: Class I Landfill

PERMIT NUMBER: 9508R2

LOCATION: Landfill site is located in Township 1 South, Range 5 East, Section 5, SLMB; Summit County, Latitude 40° 45' 28", Longitude 111° 24' 00"

DIRECTIONS TO FACILITY: Travel 4 miles south of Wanship on State Route 32, and turn right at the Utelite mining operation. Travel approximately 1 mile to the scale house, and keep to the right.

PERMIT HISTORY: Permit was signed May 2, 2013

PERMIT REQUIREMENTS

The term, "Permit," as used in this document is defined in Utah Admin. Code R315-301-2(55).

The renewal application, as deemed complete on the date shown on the signature page of this Permit, is hereby incorporated by reference into this Solid Waste Permit and shall be referred to as the "Permit Application" throughout this Permit. All representations made in the Permit Application are part of this Permit and are enforceable under Utah Admin. Code R315-301-5(2). The Permit Application shall become part of the operating record of the Landfill. Where differences in wording exist between this Permit and the application, the wording of this Permit supersedes that of the application.

This Permit consists of the signature page, Facility Owner/Operator Information section, sections I through V, Appendix A (Statement of Basis: *Three Mile Canyon Landfill Permit.*), and the Permit Application as defined above.

The facility as described in this Permit consists of scale house and maintenance building and disposal cell for all permitted waste.

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, 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 Utah Admin. Code R315-301 through 320, 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 Annotated 19-6-101 through 123 and applicable portions of Utah Admin. Code R315-301 through 320 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

This Permit is for the disposal of non-hazardous solid waste that may include:

1. Municipal solid waste;
2. Commercial waste;
3. Industrial waste;
4. Construction/demolition waste;

5. Special waste as allowed by Utah Admin. Code R315-315 and authorized in section III-I of this Permit and limited by this section; and
6. Conditionally exempt small quantity generator hazardous waste as specified in Utah Admin. Code R315-303-4(7)(a)(i)(B) and PCB's as specified by Utah Admin. Code R315-315-7(2).

C. Prohibited Waste

1. Hazardous waste as defined by Utah Admin. Code R315-1 and R315-2 except as allowed in permit condition I-B6 (Acceptable Waste) above;
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;
3. PCB's as defined by Utah Admin. Code R315-301-2, except as allowed in Section I-B (Acceptable Waste) of this Permit
4. Regulated asbestos-containing material.
5. All wastes not received by contracts approved by the Director.

Any prohibited waste received and accepted for treatment, storage, or disposal at the facility shall constitute a violation of this Permit, of Utah Code Annotated 19-6-101 through 123 and of Utah Admin. Code R315-301 through 320.

D. Inspections and Inspection Access

The Permittee shall allow the Director of the Utah Division of Solid and Hazardous Waste or an authorized representative, or representatives from the Summit County 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 Utah Admin. Code R315-301 through 320;
2. Have access to and copy any records required to be kept under the terms and conditions of this Permit or Utah Admin. Code R315-301 through 320;
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 Utah Admin. Code R315-301 through 320; 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 Utah Admin. Code R315-301 through 320 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 feasible 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 operating record, on the day the event occurred or the day it was discovered;
2. Notify the Director of the Utah Division of Solid and Hazardous Waste 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 of Director notification.

Within thirty days of 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 Utah Admin. Code R315-301 through 320 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 Utah Admin. Code R305-7 and the *Utah Administrative Procedures Act*.

G. Attachment Incorporation

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.

II. DESIGN AND CONSTRUCTION

A. Design and Construction

The Permittee shall construct any run-on diversion system, runoff containment system, waste treatment facility, leachate handling system, or final cover in accordance with an alternative or equivalent design submitted as part of the Permit Application and in accordance with the Utah Admin. Code R315-301 thru 320.

This Permit does not authorize construction of new waste disposal cells or sub-cells at the landfill site. Waste disposal is limited to the area within the waste boundaries that existed as of August 1, 1998. Prior to construction of any new disposal cell or area, the Permittee shall submit a request for modification of this Permit. The Permittee shall include in the request design plans, drawings and a construction quality assurance/quality control plan. Modification of this Permit is subject to the requirements of Utah Admin. Code R315-311-2.

The Permittee shall construct any future municipal solid waste cells at the current landfill site with liners and leachate collections systems as required in Utah Admin. Code R315-303-3.

B. Run-On Control

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

III. LANDFILL OPERATION

A. Operations Plan

The Permittee shall keep the Operations Plan included in the Permit Application on site at the landfill or at the location designated in section III-K of this Permit. The Permittee shall operate the landfill in accordance with the operations plan. If necessary, the Permittee may modify the Operations Plan, provided that the modification meets all of the requirements of Utah Admin. Code R315-301 through 320, is as protective of human health and the environment as the Operations Plan approved as part of this Permit, and is approved by the Director as a minor modification under Utah Admin. Code R315-311-2(1)(a)(xiii). The Permittee shall note any modification to the Operations Plan in the operating record.

The Permittee shall submit any modification to the Operations Plan 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 2 persons 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 the Permit Application to prevent access by persons or livestock by other routes.

C. Training

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

D. Burning of Waste

Except as provided below, intentional burning of solid waste is prohibited and is a violation of Utah Admin. Code R315-303-4(2)(b).

1. The Permittee is allowed to burn green waste by complying with the requirements of Utah Admin. Code R307-202-5.
2. The Permittee shall perform such burning in a segregated area within the landfill site.

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

The Permittee's non-compliance with Utah Admin. Code R307-202-5, as determined by the Director of the Division of Solid and Hazardous Waste, also constitutes non-compliance with this Permit.

E. Daily Cover

The Permittee 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. At the end of each day of operation, Permittee shall properly grade the ground surface and shall record and certify in the operating record the amount of cover the Permittee has placed on the waste.

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

F. Ground Water Monitoring

The Permittee 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 in Appendix B. If necessary, the Permittee 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 Utah Admin. Code R315-301 through 320 and is as protective of human health and the environment as that approved in the Permit Application, and is approved by the Director as a minor modification under Utah Admin. Code R315-311-2(1)(a). The Permittee shall note any modification to the Ground Water Monitoring Plan and the Ground Water Monitoring Quality Assurance/Quality Control Plan in the operating record. Plan changes that the Director finds to be less protective of human health or the environment than the approved plan are a major modification and are subject to the requirements of Utah Admin. Code R315-311.

G. Gas Monitoring

The Permittee shall monitor explosive gases at the landfill in accordance with the Gas Monitoring Plan contained in the Permit Application and shall otherwise meet the requirements of Utah Admin. Code R315-303-3(5). If necessary, the Permittee may modify the Gas Monitoring Plan, provided that the modification meets all of

the requirements of Utah Admin. Code R315-301 through 320 and is as protective of human health and the environment as that approved in the Permit Application, and is approved by the Director as a minor modification under Utah Admin. Code R315-311-2(1). The Permittee shall note any modification to the Gas Monitoring Plan in the operating record. Plan changes that the Director finds to be less protective of human health or the environment than the approved plan are a major modification and are subject to the requirements of Utah Admin. Code R315-311. 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 Utah Admin. Code R315-303-2(2)(a), the Permittee shall:

1. Immediately take all necessary steps to ensure protection of human health and notify the Director;
2. Within seven days of detection, place in the operating record the explosive gas levels detected and a description of the immediate steps taken to protect human health;
3. Implement a remediation plan that meets the requirements of Utah Admin. Code R315-303-3(5)(b); and
4. Submit the plan to, and receive approval from, the Director prior to implementation.

H. 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 day. 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.

The Permittee shall conduct complete random inspections 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 the waste inspection form in Appendix D of the Permit Application. The Permittee shall place the form in the operating record at the end of the operating day.

I. Disposal of Special Wastes

If a load of incinerator ash is accepted for disposal, the Permittee shall transport it to the place of disposal in such a manner as to prevent leakage or the release of fugitive dust. The Permittee shall completely cover the ash with a minimum of six inches of material, or the Permittee shall use other methods or material, if necessary, to control fugitive dust. The Permittee may use ash for daily cover when its use does not create a human health or environmental hazard.

The Permittee 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 Permittee 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 Permittee shall cover animals placed in the trench with six inches of earth by the end of each operating day.

J. 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, compaction, cover, ground-level graded surfaces, fences and access controls, roads; run-on/run-off controls, ground water monitoring wells, 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.

K. Recordkeeping

The Permittee shall maintain and keep on file on site, at the scale house, a daily operating record and other general records of landfill operation as required by Utah Admin. Code R315-302-2(3). 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.

1. The daily operating record shall include the following items:
 - 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 operation recorded at the end of the operating day the deviation occurred;
 - c. Results of other monitoring required by this Permit recorded in the 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. The general record of landfill operations shall include the following items:
 - a. A copy of this Permit, including the Permit Application;
 - b. Results of inspections conducted by representatives of the Utah Solid and Hazardous Waste Control Board and/or representatives of the Summit County Health Department, when forwarded to the Permittee;
 - c. Closure and Post-closure care plans;
 - d. Records of employee training
 - e. Results of ground water monitoring; and
 - f. Results of landfill gas monitoring.

L. Reporting

The Permittee shall prepare and submit to the Director an Annual Report as required in Utah Admin. Code R315-302-2(4). 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, a re-application for approval of the financial assurance mechanism, any leachate analysis results, all ground water monitoring

results, the statistical analysis of ground water monitoring results, the results of gas monitoring, the quantity of leachate pumped, and all training programs completed.

M. 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.

N. Litter Control

The Permittee shall minimize litter resulting from operations of the landfill. In addition to the litter control plans found on Page 9 of the Permit Application, the Permittee shall implement the following procedures when high wind conditions are present.

- a. Reduce the size of the tipping face;
- b. Reduce the number of vehicles allowed to discharge at the tipping face at one time;
- c. Orient vehicles to reduce wind effects on unloading and waste compaction;
- d. Reconfigure tipping face to reduce wind effect;
- e. Use portable and permanent wind fencing as needed; and
- f. Should high winds present a situation that the windblown litter cannot be controlled, the Permittee shall cease operations of the landfill until the winds diminish.

IV. CLOSURE REQUIREMENTS

A. Closure

The Permittee shall install final cover of the landfill as shown in the Permit Application. The final cover shall meet, at a minimum, the standard design for closure as specified in the Utah Admin. Code R315-303-3(4) plus sufficient cover soil or equivalent material to protect the low permeability layer from the effects of frost, desiccation, and root penetration. The Permittee 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. A qualified person not affiliated with the permittee or the construction contractor shall perform permeability testing on the recompacted clay placed as part of the final cover.

B. Title Recording

The Permittee shall meet the requirements of Utah Admin. Code R315-302-2(6) by recording a notice with the Summit 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 the notice as recorded.

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 the Permit Application. Post-closure care shall continue until all waste disposal sites at the landfill have stabilized and the finding of Utah Admin. Code R315-302-3(7)(c) 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 Utah Administrative Code R315-309 to cover the costs of closure and post-closure care at the landfill. The Permittee shall adequately maintain the financial assurance mechanism to provide for the cost of closure and post-closure care at any stage or phase or anytime during the life of the landfill or the permit life, whichever is shorter.

E. Financial Assurance Annual Update

The Permittee shall submit an annual revision of closure and post-closure costs for inflation and financial assurance funding as required by Utah Admin. Code R315-309-2(2), to the Director as part of the annual report. The Permittee shall submit the information as required in Utah Admin. Code R315-309-8 and shall meet the qualifications for the "Local Government Financial Test" each year.

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 or new permittees by complying with the permit transfer provisions specified in Utah Admin. Code R315-310-11.

C. Expansion

This Permit is for a Class I Landfill. The permitted landfill shall operate according to the design and Operation Plan described and explained in the Permit Application. 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. 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 Utah Admin. Code R315-310. 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. Acceptance of PCB bulk product waste under Utah Admin. Code R315-315-7(3)(b) can only be done after submittal of the required information to the Director and modification of Section I-C of this Permit.

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.