



State of Utah

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Department of  
Environmental Quality

L. Scott Baird  
*Interim Executive Director*

DIVISION OF WASTE MANAGEMENT  
AND RADIATION CONTROL  
Ty L. Howard  
*Director*

November 4, 2019

Nolan Davis, Chairman  
Beaver County Special Service District #5  
P.O. Box 278  
Milford, UT 84751

RE: Finding of Completeness and Draft Permit Renewal  
Beaver County Class IVb Landfill SW090

Dear Chairman Davis:

The Division of Waste Management and Radiation Control has completed its review of the permit renewal request for the Beaver County Class IVb Landfill. The permit renewal has been determined complete.

Notice of the required public comment period will be published in November 6, 2019 in the Beaver County Journal. The public comment period will begin on November 7, 2019 and will end on December 9, 2019. Following the public comment period and resolution of any comments, final action will be taken on the draft permit.

Enclosed is the draft permit and associated attachments for your review.

If you have any questions, please call Bryan Woolf at (801) 536-0227.

Sincerely,

T. Allan Moore, Solid Waste Program Manager  
Division of Waste Management and Radiation Control

TAM/RDP/kl

Enclosures: Permit (DSHW-2019-010529)  
Attachment #1 (DSHW-2019-011442)  
Attachment #2 (DSHW-2019-011444)  
Attachment #3 (DSHW-2019-011446)  
Attachment #4 (DSHW-2019-011448)

DSHW-2019-010180

195 North 1950 West • Salt Lake City, UT  
Mailing Address: P.O. Box 144880 • Salt Lake City, UT 84114-4880  
Telephone (801) 536-0200 • Fax (801) 536-0222 • T.D.D. (801) 536-4284  
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c: Dr. David Blodgett, Health Officer, Southwest Utah Public Health Department  
Gary House, Deputy Director, Southwest Utah Public Health Department  
Jeremy Roberts, Environmental Health Director, Southwest Utah Public Health Department  
Paul Wright, P.E., DEQ District Engineer

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

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**CLASS IVb SOLID WASTE PERMIT**

**BEAVER COUNTY SSD #5 Class IVb 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.) (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

Beaver County SSD #5  
as owner and operator

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 \_\_\_\_\_ 2019.

This Permit shall expire at midnight \_\_\_\_\_ 2029.

Closure Cost Revision Date: \_\_\_\_\_ 2024.

Signed this \_\_\_\_ day of \_\_\_\_\_, 2019.

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Ty L. Howard, Director  
Division of Waste Management and Radiation Control

**FACILITY OWNER/OPERATOR INFORMATION**

LANDFILL NAME: Beaver County SSD #5  
Bulky Waste / West Class IVb Landfill

OWNER NAME: Beaver County SSD #5

OWNER ADDRESS: P.O. Box 278,  
Milford, UT 84751-0278

OWNER PHONE NO.: 435-386-2530

OPERATOR NAME: Same as Owner

OPERATOR ADDRESS: Same as Owner

OPERATOR PHONE NO.: Same as Owner

TYPE OF PERMIT: Class IVb Landfill

PERMIT NUMBER: 9415R3

LOCATION: Landfill site is located in Township 29 south, Range 10 west, Section 21., SLMB; Beaver County, Lat. 38 deg° 16 min' 9 sec", Long. 112 deg° 59 min' 13 sec." 8 Miles South of Milford and 5 Miles North of Minersville on Imperial Rd.

PERMIT HISTORY Permit signed **INSERT DATE SIGNED**

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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.

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

The facility as described in this Permit consists of the existing permitted construction waste and demolition (C&D) landfill serving the residents of western Beaver County in the vicinity of Minersville and Milford. The landfill will continue to be utilized exclusively for the disposal of construction and demolition (C&D) related waste, yard waste, dead animals, and the collection of recyclable materials (primarily metal).

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 operation of the landfill.

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. This Permit does not authorize any injury to private property or any invasion of personal rights, or 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.

# PERMIT REQUIREMENTS

## I. GENERAL COMPLIANCE RESPONSIBILITIES

### I.A. General Operation

I.A.1. The Permittee shall operate the landfill in accordance with all applicable requirements of R315-305 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 126 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.

### I.B. Acceptable Waste

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

I.B.2. Yard waste as defined in R315-301-2(87) of the Utah Administrative Code;

I.B.3. Inert waste, as defined in R315-301-2(37) of the Utah Administrative Code;

I.B.4. Waste tires, may be accepted and managed in accordance with the requirements of R315-320-3 of the Utah Administrative Code;

I.B.5. Petroleum contaminated soils as allowed in R315-315-8(3) of the Utah Administrative Code.; and

I.B.6. Dead animals when placed in a separate area and covered each day covered with waste immediately.

### I.C. Prohibited Waste

I.C.1. Hazardous waste as defined by R315-1 and R315-2 of the Utah Administrative Code;

I.C.2. PCBs as defined by R315-301-2(53) of the Utah Administrative Code, except PCB's specified by R315-315-7(2)(a) and (c) of the Utah Administrative Code;

I.C.3. Household waste, except waste resulting from the abatement, rehabilitation, renovation and remodeling of homes and other residences;

I.C.4. Municipal waste;

I.C.5. Special waste except as specified in this Permit;

I.C.6. Regulated asbestos-containing material;

I.C.7. Industrial solid waste as defined in R315-301-2(35) of the Utah Administrative Code;

I.C.8. Commercial solid waste as defined in R315-301-2(14) of the Utah Administrative Code;

- I.C.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.
- I.C.10. Any prohibited waste received and accepted for disposal at the facility shall constitute a violation of this Permit, of 19-6-101 through 126 and of R315-301 through 320 of the Utah Administrative Code.
- I.D. Inspections and Inspection Access
- I.D.1. The Permittee shall allow the Director of the Division of Waste Management and Radiation Control or an authorized representative, or representatives from the Southwest Utah 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 Permittee 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 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.
- I.E.3. The Permittee shall:
- I.E.3.a Document the noncompliance or violation in the daily operating record, including the day the event occurred or the day it was discovered;
- I.E.3.b Notify the Director of the Utah Division of Waste Management and Radiation Control 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 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. After 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.
- I.E.5. 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.

I.F. Revocation

- I.F.1. This Permit may be revoked 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 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 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**

II.A. Design and Construction

- II.A.1. The landfill shall be constructed according to the design outlined in the Attachment #1 and in the area designated in the Attachment #1, including landfill cells, fences, gates, and berms.
- II.A.2. 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.
- II.A.3. 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.
- II.A.4. 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.



II.A.5. All engineering drawings submitted to the Director shall be stamped by a professional engineer with a current registration in Utah.

II.B. Run-On and Run-off Control

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

**III. LANDFILL OPERATION**

III.A. Operations Plan

III.A.1. The Permittee shall keep the Operations Plan included in the Attachment #2 on site 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 operations plan. If necessary, the Permittee may modify the Operations Plan, provided that the modification meets all of the requirements of R315-301 through 320 of the Utah Administrative Code, is as protective of human health and the environment as the Operations Plan approved as part of this Permit. Any modification must be approved by the Director as a permit modification under R315-311-2 of the Utah Administrative Code. The Permittee shall note any modification to the Operations Plan in the daily operating record.

III.B. Security

III.B.1. The Permittee shall operate the Landfill so that unauthorized entry to the facility is restricted. The Permittee shall:

III.B.1.a Lock all facility gates and other access routes during the time the landfill is closed.

III.B.1.b Have at least one person employed by the Permittee at the landfill during all hours that the landfill is open.

III.B.1.c Construct all fencing and any other access controls to prevent access by persons or livestock by other routes.

III.C. Training

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

III.D. Burning of Waste

III.D.1. Except as provided in this paragraph, intentional burning of solid waste is prohibited and is a violation of R315-303-4(2)(b) of the Utah Administrative Code. The Permittee is allowed to burn material by complying with the requirements of R307-202-5 of the Utah Administrative Code. The Permittee shall perform such burning in a segregated area within the landfill site. The Permittee shall extinguish all accidental fires as soon as reasonably possible. The Permittee's non-compliance with R307-202-5 of the Utah Administrative Code, as determined by the Director, also constitutes non-compliance with this Permit.

III.D.2. The Permittee shall extinguish all accidental fires as soon as reasonably possible.

III.E. Cover

III.E.1. The Permittee shall cover the waste as necessary to prevent fires and to control vectors, blowing litter, odor, scavenging, and fugitive dust.

III.E.2. 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.

III.E.3. The Permittee shall use a minimum of six inches of earthen cover no less than once each month for all wastes received at the landfill. This cover shall consist of soil; no alternative may be used.

III.E.4. 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. Cover requirements for dead animals are found in Section III-L of this Permit.

III.F. Waste Inspections

III.F.1. 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.

III.F.2. 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.

III.F.3. The Permittee shall inspect all loads that the Permittee suspect may contain a waste not allowed for disposal at the landfill.

III.F.4. The Permittee shall conduct complete random inspections as follows:

III.F.4.a The Permittee shall conduct the random waste inspection at the working face or an area designated by the Permittee.

III.F.4.b The Permittee shall direct that loads subjected to complete inspection be unloaded at the designated area;

- III.F.4.c Loads shall be spread by equipment or by hand tools;
- III.F.4.d Personnel trained in hazardous waste recognition and recognition of other unacceptable waste shall conduct a visual inspection of the waste; and
- III.F.4.e The personnel conducting the inspection shall record the results of the inspection on a waste inspection form as found in Attachment #3. The Permittee shall place the form in the daily operating record at the end of the operating day.
- III.F.4.f The Permittee or the waste transporter shall properly dispose of any waste that is not acceptable at the facility at an approved disposal of that type of waste.

### III.G. Self Inspections

- III.G.1. 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, adequate cover, fences and access controls, roads, run-on/run-off controls, final and intermediate cover, litter controls, and records. The Permittee shall record 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.

### III.H. Recordkeeping

- III.H.1. The Permittee shall maintain and keep on file at scale house office, 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:
  - III.H.2. Records related to the daily landfill operation or periodic events including:
    - III.H.2.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;
    - III.H.2.b Major deviations from the approved plan of operation recorded at the end of the operating day the deviation occurred;
    - III.H.2.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;
    - III.H.2.d Records of all inspections conducted by the Permittee, results of the inspections, and corrective actions.
- III.H.3. Records of a general nature including:
  - III.H.3.a A copy of this Permit, including the Attachments;

III.H.3.b Results of inspections conducted by representatives of the Director and representatives of the local Health Department, when forwarded to the Permittee;

III.H.3.c Closure and Post-closure care plans; and

III.H.3.d Records of employee training.

III.I. Reporting

III.I.1. 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.

III.J. Roads

III.J.1. 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.

III.K. Litter Control

III.K.1. Litter resulting from operations of the landfill shall be minimized. The Permittee shall implement the following procedures when high wind conditions are present:

III.K.1.a Reduce the size of the tipping face;

III.K.1.b Reduce the number of vehicles allowed to discharge at the tipping face at one time;

III.K.1.c Orient vehicles to reduce wind effects on unloading and waste compaction;

III.K.1.d Reconfigure tipping face to reduce wind effect;

III.K.1.e Use portable and permanent wind fencing as needed; and

III.K.1.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.

III.L. Disposal of Special Wastes

III.L.1. 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 at the end of each operating day.

**IV. CLOSURE REQUIREMENTS**

IV.A. Closure

IV.A.1. The Permittee shall place the final cover of the landfill as shown in the Attachment #4. 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.

IV.B. Title Recording

IV.B.1. The Permittee shall meet the requirements of R315-302-2(6) of the Utah Administrative Code by recording a notice with the Beaver 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 after recordation.

IV.C. Post-Closure Care

IV.C.1. The Permittee shall perform post-closure care at the closed landfill in accordance with the Post-Closure Care Plan in Attachment #4. 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.

IV.D. Financial Assurance

IV.D.1. 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.

IV.E. Financial Assurance Annual Update

IV.E.1. 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.

IV.F. Closure Cost and Post-Closure Cost Revision

IV.F.1. 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**

V.A. Permit Modification

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

V.B. Permit Transfer

V.B.1. This Permit may be transferred to a new Permittee in accordance with R315-310-11 of the Utah Administrative Code.

V.C. Expansion

V.C.1. This Permit is for the operation of a Class IVb Landfill according to the design and Operation Plan described and explained in Attachment #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.

V.C.2. 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 R315-310 of the Utah Administrative Code.

V.C.3. 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.

V.D. Expiration

V.D.1. 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 submits a timely 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.

**Attachments**

- 1 – Landfill Design and Construction
- 2 – Operations Plan
- 3 – Waste Inspections
- 4 – Closure and Post-Closure

Attachment #1 –  
Landfill Design and Construction

## 2.0 - LEGAL DESCRIPTION

The Class IVb landfill is located on property currently owned by the Beaver County Special Service District #5 and consists of three parcels. The legal descriptions of the three parcels are as follows:

Parcel 1: The southwest quarter of the southeast quarter and the northwest quarter of the southwest quarter of Section 21, Township 29 South, Range 10 West, Salt Lake Base and Meridian.

Parcel 2: Beginning at the southeast corner of the southwest quarter of Section 21, Township 29 South, Range 10 West, Salt Lake Base and Meridian and running thence north 1,303 feet; thence north 56 degrees 57 minutes west 1,602 feet; thence south 2,170 feet; thence east 1,320 feet to the point of beginning.

Parcel 3: Beginning at the southwest corner of the northwest quarter of Section 21, Township 29 South, Range 10 West, Salt Lake Base and Meridian and running thence east 643 feet; thence north 1,605 feet; thence north 86 degrees 02 minutes west 578 feet; thence southerly 1,640 feet to the point of beginning.

A legal description (Warranty Deed) for the property is included in Appendix B. A copy of a tax notice from the Beaver County Assessor's office is also included as proof of ownership.







Attachment #2  
Operations Plan

DRAFT

### **3.0 – OPERATIONS PLAN**

The Operation Plan for the Landfill has been written to address the requirements of the State of Utah Solid Waste Regulations and describes the proposed operations of the Beaver County Bulky Waste / West Class IVb Landfill. A copy of this Operations Plan will be kept on file at the operator's office. The District offices are currently housed in the operator's office at the Landfill.

The general arrangement of the Landfill is as indicated on Drawing 2 (Appendix A). The following section details the operational specifics of the Landfill. Forms used to document the operations of the Landfill are included in Appendix C.

#### **3.1 SCHEDULE OF CONSTRUCTION**

The facility has been under construction since December of 1993, and the first inert waste was accepted at the facility on December 28, 1993. A gravel access road has been constructed, the perimeter of the active facility is fenced, and both ends of the access road are gated. A landfill office building, piezometer, and culinary well were constructed in 1999.

The operational life of the landfill will be broken up into four phases. The actual length of time that a phase remains operational will depend on the waste stream; the most recent year end report shows just under 2,933 tons were received in 2018. The life of the landfill has been projected assuming that waste is placed at a density of 0.8 ton/yd<sup>3</sup>.

The northern portion of the Landfill has been filled to grade and will be ready for final cover in 2019 – 2020. Phase I (the current operational area of the landfill is in the center of the site with Phase II and Phase III located directly south of Phase I. Daily cover for Phase I filling operations is obtained from the Phase II and Phase III excavations. More details of

the projected landfill usage are provided in Part III, Section 2.3 *Capacity of Site in Volume and Tonnage*.

## **3.2 DESCRIPTION OF WASTE HANDLING PROCEDURES**

### **3.2.1 General**

The Landfill is open for public and private disposal. Signs are posted along the Landfill access road to clearly indicate (1) the types of wastes that are accepted at the facility; (2) the types of wastes not accepted at the site; and (3) the penalty for illegal disposal.

As mentioned in Section 1.2, the facility accepts construction and demolition waste, yard wastes, untreated wood, dead animals, and other inert wastes.

The facility will accept (for temporary storage) appliances, furniture, and car bodies for either recycling or transfer to the Beaver County Class I landfill. The waste storage and recycling areas (for temporary storage of appliances, furniture, and car bodies) are separated from the active and future Class IVb landfill pits by the perimeter gravel road.

The waste control program is designed to detect and deter attempts to dispose of hazardous, municipal solid waste or other unacceptable wastes at the Landfill. The program is designed to protect the health and safety of employees, customers, and the general public, as well as to protect against the contamination of the environment. The waste handling procedures are as follows:

- All vehicles delivering wastes to the site will be met near the gate by a Landfill Attendant. The Landfill Attendant will inquire as to the contents of each incoming load and enter the description of the vehicle and waste content into the Daily Log. The vehicle will be directed to either the general working face, recycling drop-off area, dead animal pit, or rejected due to unacceptable materials.
- Any vehicle suspected of carrying unacceptable materials (liquid waste, sludges, or hazardous waste) will be prevented from entering the disposal areas unless the

driver can provide evidence that the waste is acceptable for disposal at the site. BCSSD reserves the right to refuse service to any suspect load. Vehicles carrying unacceptable materials will be required to exit the site without discharging their loads.

- Loads will be regularly surveyed at the tipping area. If a discharged load contains inappropriate or unacceptable material, the discharger will be required to reload the material and remove it from the Landfill. If the discharger is not immediately identified, the area where the unacceptable material was discharged will be cordoned off. Unacceptable material will be moved to a designated area for identification and preparation for proper disposal.

No open burning or smoking is allowed near the work face. Occasional burning of tree branches will be conducted on landfill support areas away from the working face as the need arises. The burning of tree branches is expected to be infrequent and in limited quantities.

### **3.2.2 Waste Acceptance Records**

A daily record of all landfill transactions will be created and kept on file at the Landfill. Any or all transactions may be retrieved as necessary.

### **3.2.3 Waste Disposal**

The width of the working face will be restricted by the size of the disposal pits. The working cell will typically be a maximum of 50 feet wide by 50 feet long. Once an area of pit 50 feet by 50 feet is filled to the surface, the waste will be covered with at least six inches of soil. The geometry of the Landfill is such that the waste will be pushed upslope into place. The wastes will be dumped at the toe of the work face when possible and spread up the slope in one to two-foot lifts, keeping the slope at a typical five to one (horizontal to vertical) configuration.

Work face dimensions will be kept narrow enough to minimize blowing litter and reduce the amount of soil needed for cover while allowing safe vehicular access. Typically, the track loader is operated with the bucket facing uphill. Equipment operations across the slope are avoided to minimize the potential of equipment tipping over. In addition to safety concerns, a toe of slope to crest of slope working orientation provides an increase in compaction, better visibility and more uniform waste distribution.

The wastes will be compacted by making three to five passes up and down the slope. Compaction reduces litter, differential settlement, and the quantities of cover soil needed. Compaction also extends the life of the site, reduces unit costs, and leaves fewer voids to help reduce vector problems. Care is taken that no holes are left in the compacted waste. Voids are filled with additional waste as they develop. Cover soils will be applied to all areas of the active cell at a minimum of every 30 days.

### **3.2.4 Special Wastes – Wastes Excluded from the Landfill**

#### ***3.2.4.1 Used Oil and Batteries***

Used oil is not accepted at the Landfill, batteries are collected and held for recycling.

#### ***3.2.4.2 Appliances***

Appliances are accepted at the Landfill and stored separated for recycling. All appliances containing refrigerants are further segregated and the refrigerant is removed before the appliances are loaded into the metal bin for recycling. Used cars are accepted and stored at the facility then either recycled by a contract salvage company or transferred to the Beaver County Class I landfill for disposal. Used cars are accepted only after all fluids and tires are removed.

#### ***3.2.4.3 Tires***

The Landfill accepts small quantities of tires from the general public. Commercial haulers are prohibited from disposing of tires. A total of four passenger tires are accepted from the public with each load and are incorporated into the working face.

#### **3.2.4.4 Dead Animals**

Dead animals are accepted at the Landfill and are placed in the dead animal pit. The dead animal pit is covered with six inches of soil every day that dead animals are received.

#### **3.2.4.5 Asbestos Waste**

Asbestos waste is not accepted at the Landfill.

#### **3.2.4.6 Furniture**

Furniture is accepted at the Landfill and stored on site in a roll-off bin. Once the roll-off bin is full, it is transported to the Class I landfill for disposal.

#### **3.2.4.7 Grease By-Products**

Grease By-Product wastes are not accepted at the Landfill.

#### **3.2.4.8 Sewer Sludge**

Sewer sludge of any nature (wet or dry) is not accepted at the Landfill.

### **3.3 WASTE INSPECTION**

#### **3.3.1 Landfill Spotting**

Learning to identify and exclude prohibited and hazardous waste from the Landfill is required to maintain the Class IVb classification and necessary for the safe operation of the Landfill. The Landfill Attendants are required to receive initial and periodic hazardous waste screening inspection training. Waste screening certificates of the training received are kept in the personnel files.



### **3.3.2 Random Waste Screening**

Random inspections of incoming loads are conducted according to the schedule established by the Landfill Manager. If frequent violations are detected, additional random checks are scheduled at the discretion of the Landfill Manager.

If a suspicious or unknown waste is encountered, the Landfill Attendant proceeds with the waste screening as follows:

- The driver of the vehicle containing the suspect material is directed to the waste screening area.
- The suspect material is spread out with landfill equipment or hand tools and visually examined. Suspicious marking or materials, like the ones listed below, are investigated further:
  - Containers labeled hazardous
  - Material with unusual amounts of moisture
  - Biomedical (red bag) waste
  - Unidentified powders, smoke, or vapors
  - Liquids, sludges, pastes, or slurries
  - Asbestos or asbestos contaminated materials
  - Batteries
- The waste screening form (Appendix C) is completed.

The Landfill Manager is called if unstable wastes that cannot be handled safely or radioactive wastes are discovered or suspected.

### **3.3.3 Removal of Hazardous or Prohibited Waste**

Should hazardous or prohibited wastes be discovered during random waste screening or during tipping, the waste is removed from the Landfill as follows:

Attachment #3  
Waste Inspections

DRAFT

**BULKY WASTE/WEST CLASS IVB LANDFILL  
Random Load Inspection Record**

<b>INSPECTION INFORMATION</b>	
Inspector's Name:	
Date of Inspection:	
Time of Inspection:	
Facility Name:	
<b>TRANSPORTER INFORMATION</b>	
Company Name:	
Address:	
Phone Number:	
<b>VEHICLE INFORMATION</b>	
Driver's Name:	
Vehicle Type:	
Vehicle License Number:	
Description of Waste:	
<b>OBSERVATIONS AND ACTIONS TAKEN</b>	
Photo Documentation: <input type="radio"/> Yes <input type="radio"/> No	

Driver's Signature\*: \_\_\_\_\_ Date: \_\_\_\_\_

Inspector's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

\*Driver's signature hereon denotes: His presence during the inspection and does not admit, confirm or identify liability.

# BULKY WASTE/WEST LANDFILL INSPECTION FORM

Performed by: \_\_\_\_\_ Date: \_\_\_\_\_

	Overall Condition	
	Satisfactory	Needs Work*
<b>I. Structures and Roads</b>		
1. Buildings	_____	_____
2. Fences	_____	_____
3. Gates	_____	_____
4. Road leading to facility	_____	_____
5. Inside perimeter road	_____	_____

\*Specify recommended repairs and/or list actions taken:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

<b>II. Operations</b>		
1. Litter and weed control	_____	_____
2. Excavations	_____	_____
3. Daily cover	_____	_____
4. Final cover	_____	_____
5. Waste Piles	_____	_____
a. Appliances	_____	_____
b. Construction/Demolition	_____	_____
c. Tires	_____	_____
d. Inert waste	_____	_____
e. Car bodies	_____	_____
f. Yard waste	_____	_____
6. Recyclables/Furniture storage area	_____	_____

\*Specify recommended repairs and/or list actions taken:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

# Class IV Landfill

Date     /    /    

License Number	Bill to Name	Signature	Fee	Receipt Number	Household		Const.	Tires			Metal	Furniture	Yard	Dead Animals			Total Tonnage	Remarks
					com	res		com	res	C				T	I	S		
1																		
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
Total All Columns																		

Legend: com = commercial - \$12 ton  
 res = residential  
 T = truck - \$5  
 I = implement \$10  
 S = small - \$2  
 M = medium - \$3  
 L = large - \$5  
 1/4 = .25  
 1/3 = .33  
 1/2 = .50  
 2/3 = .66

\_\_\_\_\_  
Signature of Operator

Attachment #4  
Closure and Post-Closure

DRAFT

### **3.0 – POST-CLOSURE CARE PLAN**

#### **3.1 SITE MONITORING**

There are no post-closure monitoring requirements for groundwater or gas at the Landfill since it is a Class IVb facility. However, other physical aspects of the Landfill will be monitored on a quarterly basis.

Landfill topography shall be visually checked for depressions that could result in ponding or rapid erosion. Irregularities in the surface of the final cover will be regraded and revegetated as needed to protect the surface from erosion and to eliminate ponding.

Side slopes will be maintained or reestablished with a maximum gradient of 4:1 and the top slopes will be maintained at no less than 6% to prevent ponding. The frequency of monitoring may be reduced only after a successful demonstration to the Executive Secretary that the closed Landfill has stabilized.

During post-closure, run-off from the covered landfill will be directed toward ditches constructed to collect and transport runoff to natural drainages east and northeast of the site. The ditches will be inspected quarterly through the post-closure period. Repairs to the ditches will be completed as part of the maintenance activities.

#### **3.2 CHANGES TO RECORD OF TITLE, LAND USE AND ZONING**

The Beaver County Recorder will be provided plats and a statement of fact concerning the location of any disposal site no later than 60 days after certification of closure. If necessary, the closed Landfill will be rezoned to conform to the existing Beaver County zoning regulations after final closure. A description of the Landfill history and filled areas will be permanently appended to the record of title. Land use restrictions will be assigned to the site in compliance with existing regulations for closed landfills at the time of closure.

#### **3.3 MAINTENANCE**

Post-closure maintenance activities will be designed and implemented under the direction of a licensed professional engineer in response to results of inspections. Design

decisions will be made after the first post-closure quarterly inspection and implemented within 30 days after identification of maintenance issues. Results of post-closure maintenance shall be reported to the Executive Secretary by a professional engineer licensed in the state of Utah.

Because of the arid climate in Beaver County, maintenance of final covers and run-on/run-off systems should be minimal. Final cover and control structures will be inspected quarterly as indicated previously.

Run-on/run-off control structures and final covers could be damaged by an unusually intense storm. Consequently, an unscheduled inspection will be required after any occurrence of a 25-year storm event within a five-mile radius of the site. If the post-storm inspection discloses damage, it will be appraised by a licensed engineer. The engineer will solicit bids if necessary and supervise repairs completed by BCSSD or a licensed contractor. Funds for payment for the repair work will be disbursed from the Financial Assurance Plan after approval by the Executive Secretary.

### **3.4 POST-CLOSURE CONTACTS**

Beaver County Special Service District #5 ..... (435) 386-2530



## **4.0 – FINANCIAL ASSURANCE**

### **4.1 CLOSURE COSTS**

The Landfill will be closed in four operational Stages. The first closure (Stage A) will cover approximately the northern third of the operational landfill once it has been filled to final elevation. Stage A closure is anticipated to be permitted in 2019 with actual closure construction starting in 2020. Stage B cover construction will take place as the next third of the operational landfill reaches final grade in approximately 2054. Stage C, the last third of the operational landfill, will be near final grade in 2088 with Stage D Cover (which is the same area as the Phase IV cell) being filled to ultimate capacity in 2023. Soils needed for final cover will be obtained from borrow areas located outside the footprint of landfill area.

Due to the historic operational nature of the landfill; the largest area of the Landfill to be open will be a maximum of 3.5 acres. The closure cost estimates are based on the cost to close the largest area, including the cost of obtaining, moving and placing the cover material, final grading, placing topsoil, fertilizing and seeding.

### **4.2 POST CLOSURE CARE COSTS**

The post-closure estimate must be the cost for completing care reasonably expected during the 30-year post-closure period. These tasks include site inspections, maintenance, and record keeping.

### **4.3 FINANCIAL ASSURANCE MECHANISM**

BCSSD County intends to comply with the financial assurance requirements by demonstrating financial ability based on the local government financial test. BCSSD County will submit the required financial information in a separate submittal. Detailed financial assurance costs are presented in Appendix E.