

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

CLASS IVb SOLID WASTE PERMIT

HILL AIR FORCE BASE 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

Department of the Air Force as owner and operator,

to own, construct, and operate the *Hill Air Force Base Class IVb Landfill* located in Weber County, Utah as shown in the Permit Application.

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.

Ty Howard, Director
Division of Waste Management and Radiation Control

FACILITY OWNER/OPERATOR INFORMATION

LANDFILL NAME: Hill Air force Base Class IVb Landfill

OWNER NAME: Department of the Air Force

OWNER ADDRESS: 75 CEG/CEIE
7290 Weiner St
Bldg 383
Hill AFB, UT 84056-5003

OWNER PHONE NO.: 801-777-5788

OPERATOR NAME: Same as owner

OPERATOR ADDRESS: Same as owner

OPERATOR PHONE NO.: Same as owner

TYPE OF PERMIT: Class IVb Landfill

PERMIT NUMBER: 9706R1

LOCATION: Landfill site is located in Township 5 north, Range 2 west, Section 24., SLMB(USM for some locations in Uintah and Duchesne counties); Davis & Weber County, Lat. 45° 15 min' 41 sec", Long. 118° 5 min' 31 sec."

PERMIT HISTORY: Permit renewal signed **date signed**

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 landfill area, a total of 25.94 acres, consisting of three cells: concrete, wood, and asphalt as described in the original application. The application consists of a permit renewal for the existing 25.94 acres along with a proposed lateral expansion of 6.79 acres. The lateral expansion would be adding to the existing permitted asphalt cell facility in the southeast direction and will primarily be used for staging reusable soil, crushed concrete, and broken asphalt.

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 R315-304 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 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.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. Waste Tires; and

I.C.11. Dead animals.

I.C.12. 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.

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 Weber-Morgan 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

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 prior to acceptance of waste.

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.B. Run-On and Run-off Control

II.B.1. The Permittee shall construct drainage channels and diversions as specified in the Attachment #2 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 #3 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(1) 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 as shown in the Attachment #1 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. Intentional burning of solid waste is prohibited and is a violation of R315-303-4(2)(b) of the Utah Administrative Code.

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 cover timbers, wood, and other combustible waste with a minimum of six inches of soil, or equivalent, as needed to avoid a fire hazard as per R315-305-5(4) of the Utah Administrative Code..
- 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.

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 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.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 the landfill office in building 2012, 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 all 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 Orient vehicles to reduce wind effects on unloading and waste compaction;
 - III.K.1.b 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 special waste on an approval from the director after appropriate application has been made.

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 Weber 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 meets the requirements of R315-309-1 of the Utah Administrative Code; financial assurance is not required for a solid waste disposal facility that is owned or operated by the State of Utah or the Federal government.

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 #1. 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 R315-311-2 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.

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Attachment 1

Landfill Design and Construction

Attachment 2

Run-on/ Run-off control

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Attachment 3

Operations Plan

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2.5 Plan of Operations

2.5.1 Intended Schedule of Construction

The expansion of the landfill operational area is expected to begin with the installation of additional fencing and a new access gate immediately after receiving permit approval from UDWMRC ([Utah Department of Waste Management and Radiation Control](#)). Engineering drawings of any construction associated with the landfill expansion will be generated as needed and submitted to [UDSHW-UDWMRC](#) and will be noted in the annual report to [UDSHW-UDWMRC](#).

2.5.2 Description of Onsite Handling Procedures

The operations plan for the Hill AFB Class IVb landfill, including the proposed expansion area, will not change significantly from the plan outlined in the 1999 permit application. Truck scale has been installed near the operator's office to weigh incoming and outgoing loads. The landfill is divided into three separate areas (Concrete, Wood, and Asphalt cells) with individual access gates. Gates are locked at all time except during operation. Landfill will not have a fixed operating schedule but will be staffed and operated only on an as needed basis. Managers of projects generating C&D waste must coordinate with and obtain approval from the landfill operator for the time and date access to the landfill is required.

The proposed lateral expansion area, which will become part of the asphalt cell area, will be used mainly for staging reusable soil, crushed concrete and broken asphalt. Other allowable C&D debris may occasionally be placed in the proposed area. A copy of detailed operating instructions will be kept on site at the landfill operator's office and operator(s) will be trained on the operating procedures.

2.5.3 Fire Contingency Plan

Hill AFB has its own fire protection unit. Equipment and manpower are available for any fire or emergency situation. The fire station is located approximately 3 miles from the landfill. In the event of an emergency, personnel should call 911.

2.5.4 Fugitive Dust Control Plan

Used asphalt is placed on access roads. Vehicles entering the landfills are directed to use the same road and dump the loads in the same designated area to minimize vehicle travel within the landfill. Where practicable mulch will be place on the side slopes of mounded materials and wastes. A water truck is also available if dust generation requires abatement.

2.5.5 Alternative Waste Storage, Handling, or Disposal Plan

The Hill AFB Class IV landfill will not have a fixed operating schedule but will be operated on an as needed basis. In the event the landfill cannot be operated in accordance with the landfill permit

requirements or the standard in-house operating procedures, on-base C&D waste generators will be notified to transport C&D debris to a permitted landfill off base.

2.5.6 Plans for Excluding Prohibited Waste

All non-hazardous C&D waste intended for disposal at the landfill on base must receive authorization from project manager and approval from landfill operator before being transported to the landfill. 12

Materials allowed in the landfill include:

- Soils
- C&D debris, primarily concrete and asphalt
- Yard waste and other inert materials

A list of acceptable waste permitted by the UDSHW is included in the landfill's operating instructions. The landfill superintendent will inspect incoming loads to ensure no solid waste other than inert construction debris enters the Class IVb landfill. The name of the generating organization, type of waste, weight of waste, and date delivered are recorded by the landfill superintendent. If any excluded/prohibited waste is found in the load(s), the load will not be allowed in the landfill but must be taken off-base to other landfills permitted to receive such waste material. Base environmental manager and unit environmental coordinator will inspect the landfill and landfill records at least quarterly to ensure permit requirements are being met.

Attachment 4

Closure and Post-Closure

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3.3 Closure Requirement

3.3.1 Closure Design

If a decision is made to close the landfill or some of the cells, the following steps will be taken.

- An 18-inch thick final cover will permanently cap the portions of the landfill that contain stockpiled wastes. The cover will be topped with 6 inches of topsoil to support seeding. Voids that pose a physical hazard will be leveled.
- In order to supplement natural vegetation encroachment, closed cells will be seeded with native plant species. The closed areas will be landscaped to blend with the surrounding natural environment.
- Contouring will be completed to provide proper surface drainage and to avoid ponding. Surface slopes will be contoured to an approximate grade of 2 percent or greater. The side slopes will be 33 percent or steeper if the slope will remain stable and the integrity of the vegetative layer can be maintained.

3.4 Post –Closure Care

At least quarterly until the site has stabilized, Hill AFB will inspect the landfill to ensure the integrity of the final cover. Repairs to the final cover will be made to correct any settlement or erosion. During the post closure period, the Air Force may use the closed landfill for another purpose pending approval by the Utah Department of Environmental Quality (UDEQ). Records of post closure inspections and activities will be kept with the landfill operating records.

The point of contact during the post-closure period for the landfill will be the same as the Property Owner Contact.