



State of Utah

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Governor

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Lieutenant Governor

Department of
Environmental Quality

Kimberly D. Shelley
Executive Director

DIVISION OF WASTE MANAGEMENT
AND RADIATION CONTROL

Douglas J. Hansen
Director

October 26, 2022

Angi Meinhardt, Office Manager
Millard County
P.O. Box 85
Delta, UT 84624

RE: Approval of the Millard County Class I Landfill Permit, Millard County
SW175

Dear Ms. Meinhardt:

Enclosed is the approved permit to operate the Millard County Class I Landfill (Landfill). The public comment period for the permit draft began on September 8, 2022 and ended on October 7, 2022. No comments were received.

Please note that periodic inspections of the Landfill may be conducted by representatives of the Division of Waste Management and Radiation Control or the Central Utah Public Health Department.

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

Sincerely,

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

DJH/MBS/wa

Enclosures: Millard County Class I Landfill Permit (DSHW-2022-014121)
Attachment 1, Operations Plan (DSHW-2022-014123)
Statement of Basis (DSHW-2022-024941)

c: Nathan Selin, Health Officer, Central Utah Public Health Department
Eric Larsen, Environmental Health Director, Central Utah Public Health Department
John Chartier, P.E., UDEQ District Engineer

DSHW-2022-024943

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DIVISION OF WASTE MANAGEMENT
AND RADIATION CONTROL
SOLID WASTE LANDFILL PERMIT

Millard County Class I Landfill

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

Millard County as owner and operator,
(Permittee)

to own, construct, and operate the Millard County Class I Landfill located in Millard County, Utah as shown in the Permit Renewal Application that was determined complete on May 24, 2022, tracking number DSHW-2022-009821.

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

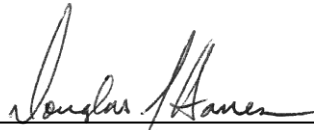
All references to R315-301 through 320 of the Utah Administrative Code are to regulations that are in effect on the date that this permit becomes effective.

This Permit shall become effective October 26, 2022.

Closure Cost Revision Date: October 26, 2027.

This Permit shall expire at midnight October 25, 2032.

Signed this 26th day of October, 2022.



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

FACILITY OWNER/OPERATOR INFORMATION

LANDFILL NAME:	Millard County Class I Landfill
OWNER NAME:	Millard County
OWNER ADDRESS:	50 South Main Street Fillmore, Utah 84631
OWNER PHONE NO.:	(435) 743-5227
OPERATOR NAME:	Millard County
OPERATOR ADDRESS:	same as above
OPERATOR PHONE NO.:	same as above
TYPE OF PERMIT:	Class I Landfill
FACILITY LOCATION	2250 South U.S. Highway 50 (5784 E. 2160 S.) 6 miles east of Delta, Utah
PERMIT NUMBER:	9431R4
PERMIT HISTORY	This facility received its first permit to operate approximately in 1994. On April 1, 2001, the facility received its first permit renewal. This is its fourth permit renewal.

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

The Permit renewal application for the Millard County Class I Landfill (May 10, 2022, tracking number DSHW-2022-010262) was deemed complete on the date shown on the signature page of this Permit. All representations made in the attachments of this permit are enforceable under R315-301-5(2) of the Utah Administrative Code. Where differences in wording exist between this Permit and the attachments, the wording of this Permit supersedes that of the attachments.

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

The facility as described in this Permit consists of a shop/office building, disposal cells, dead animal pit, metals recycling and green yard waste storage areas.

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

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

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

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

I.B. Acceptable Waste

I.B.1. This Permit is for the disposal of non-hazardous solid waste that may include:

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

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

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

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

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

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

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

I.B.1.h The Permittee is authorized to receive for disposal regulated asbestos-containing material in compliance with R315-315-2 of the Utah Administrative Code.

I.C. Prohibited Waste

I.C.1. Hazardous waste as defined by R315-261-3 of the Utah Administrative Code except as allowed in permit condition I.B.1.f (Acceptable Waste) above;

I.C.2. Containers larger than household size (five gallons) holding any liquid; non-containerized material containing free liquids; or any waste containing free liquids in containers larger than five gallons;

- I.C.3. PCB's as defined by R315-301-2(53) of the Utah Administrative Code, except as allowed in Section I.B (Acceptable Waste) of this Permit; or
- I.C.4. Any prohibited waste received and accepted for treatment, storage, or disposal at the facility shall constitute a violation of this Permit, of Utah Code Ann. § 19-6-101 through 125 and of R315-301 through 320 of the Utah Administrative Code.
- I.D. Inspections and Inspection Access
 - I.D.1. The Permittee shall allow the Director or an authorized representative, or representatives from the Central Utah Public 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, on the day the event occurred or the day it was discovered;
 - I.E.3.b Notify the Director by telephone within 24 hours, or the next business day following documentation of the event; and

- I.E.3.c Give written notice of the noncompliance or violation and measures taken to protect human health and the environment within seven days after Director notification.
- I.E.4. Within thirty days after the documentation of the event, the 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.
- 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 is subject to revocation if the Permittee fails to comply with any condition of the Permit. The Director will notify the Permittee in writing prior to any proposed revocation action and such action shall be subject to all applicable hearing procedures established under R305-7 of the Utah Administrative Code and the Utah Administrative Procedures Act.
- I.G. Attachment Incorporation
- I.G.1. Attachments to the Permit Application are incorporated by reference into this Permit and are enforceable conditions of this Permit, as are documents incorporated by reference into the attachments. Language in this Permit supersedes any conflicting language in the attachments or documents incorporated into the attachments.
- I.H. Design and Construction
- I.H.1. The Permittee shall construct any landfill cell, sub-cell, run-on diversion system, runoff containment system, waste treatment facility, leachate handling system, or final cover in accordance with the alternative design submitted as part of the Permit Application and in accordance with the R315-301 thru 320 of the Utah Administrative Code.
- I.H.2. Run-On Control
- I.H.2.a 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.
- I.H.3. Alternative Design
This facility has demonstrated through geologic, hydrogeologic, climatic, waste stream, and other factors that the landfill will not contaminate ground water and is approved for the alternative design as outlined in the Permit Application. Any

contamination of ground water resulting from operation of the landfill may result in the revocation of this alternative design approval.

II. LANDFILL OPERATION

II.A. Operations Plan

II.A.1. The Permittee shall keep the Operations Plan included in Attachment 1 on site at the landfill or at the location designated in Section II.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 following the procedures of R315-311-2(1) of the Utah Administrative Code and approved of by the Director. The Permittee shall note any modification to the Operations Plan in the daily operating record.

II.B. Security

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

II.B.2. Lock all facility gates and other access routes during the time the landfill is closed.

II.B.3. Have at least two persons employed by the Permittee at the landfill during all hours that the landfill is open.

II.B.4. Construct all fencing and any other access controls as shown in the Permit Application to prevent access by persons or livestock by other routes.

II.C. Training

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

II.D. Burning of Waste

II.D.1. Intentional burning of solid waste is prohibited and is a violation of R315-303-4(2)(b) of the Utah Administrative Code.

II.D.2. 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 of the Division of Waste Management and Radiation Control, also constitutes non-compliance with this Permit.

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

II.E. Daily Cover

- II.E.1. 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 surface of the daily cover and shall record and certify in the daily operating record the amount of cover the Permittee has on the waste.
- II.E.2. The Permittee may use an alternative daily cover material when the material and the application of the alternative daily cover meets the requirements of R315-303-4(4)(b) through (e) of the Utah Administrative Code.
- II.E.2.a The Permittee shall apply standard daily cover (min. 6 inches of soil) at least once per week.
- II.E.2.b The Permittee shall apply standard daily cover any time the daily cover will be exposed for greater than 24 hours.
- II.E.2.c The Permittee shall apply standard daily cover when weather conditions (e.g., wind, rain, etc.) prevent proper use of alternate daily cover.
- II.E.2.d The Permittee shall record alternative daily cover use dates in the facility daily operating log.
- II.E.2.e The Director may rescind or amend the alternative daily cover approval if the requirements to prevent blowing debris, to minimize access to the waste by vectors, to minimize the threat of fires at the open face, to minimize odors, or to shed precipitation are not met, or if necessary to prevent nuisance conditions or adverse impacts to human health or the environment.

II.F. Ground Water Monitoring

- II.F.1. The ground water monitoring requirement for this landfill has been waived in accordance with R315-308-1(3) of the Utah Administrative Code. Any contamination of ground water resulting from operation of the landfill shall result in the revocation of this waiver.

II.G. Gas Monitoring

- II.G.1. 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 R315-303-3(5) of the Utah Administrative Code. If necessary, the Permittee may modify the Gas Monitoring Plan, provided that the modification meets all of the requirements of R315-301 through 320 of the Utah Administrative Code and is approved by the Director as a minor modification under R315-311-2(1) of the Utah Administrative Code. The Permittee shall note any modification to the Gas Monitoring Plan in the daily operating record.

- II.G.2. If the concentrations of explosive gases at any of the facility structures, at the property boundary, or beyond the property boundary ever exceed the standards set in R315-303-2(2)(a) of the Utah Administrative Code, the Permittee shall:
 - II.G.2.a Immediately take all necessary steps to ensure protection of human health and notify the Director;
 - II.G.2.b Within seven days of detection, place in the daily operating record the explosive gas levels detected and a description of the immediate steps taken to protect human health;
 - II.G.2.c Implement a remediation plan that meets the requirements of R315-303-3(5)(b) of the Utah Administrative Code; and
 - II.G.2.d Submit the plan to, and receive approval from, the Director prior to implementation.

II.H. Waste Inspections

- II.H.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.
- II.H.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.
- II.H.3. The Permittee shall inspect all loads that the Permittee suspect may contain a waste not allowed for disposal at the landfill.
- II.H.4. The Permittee shall conduct complete random inspections as follows:
 - II.H.4.a The Permittee shall conduct the random waste inspection at the working face or an area designated by the Permittee.
 - II.H.4.b The Permittee shall direct that loads subjected to complete inspection be unloaded at the designated area;
 - II.H.4.c Loads shall be spread by equipment or by hand tools;
 - II.H.4.d Personnel trained in hazardous waste recognition and recognition of other unacceptable waste shall conduct a visual inspection of the waste; and
 - II.H.4.e The personnel conducting the inspection shall record the results of the inspection on a waste inspection form as found in Attachment 1 of this Permit. The Permittee shall place the form in the daily operating record at the end of the operating day.
 - II.H.4.f The Permittee or the waste transporter shall properly dispose of any waste found that is not acceptable at the facility at an approved disposal site for the waste type and handle the waste according to the rules covering the waste type.

II.I. Disposal of Special Wastes

- II.I.1. 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.
- II.I.2. The Permittee may dispose of animal carcasses may 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.
- II.I.3. The Permittee shall handle and dispose of asbestos waste in accordance with R315-315-2 of the Utah Administrative Code.

II.J. Self-Inspections

- II.J.1. The 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; fences and access controls; roads; run-on/run-off controls; final and intermediate cover; litter controls; and records. The Permittee shall place a record of the inspections in the daily operating record on the day of the inspection. The Permittee shall correct the problems identified in the inspections in a timely manner and document the corrective actions in the daily operating record.

II.K. Recordkeeping

- II.K.1. The Permittee shall maintain and keep on file at the landfill scale house, a daily operating record and other general records of landfill operation as required by R315-302-2(3) of the Utah Administrative Code. The landfill operator, or other designated personnel, shall date and sign the daily operating record at the end of each operating day. Each record to be kept shall contain the signature of the appropriate operator or personnel and the date signed. The Daily operating record shall consist of the following two types of documents:
- II.K.1.a Records related to the daily landfill operation or periodic events including:
- II.K.1.a.(i) The number of loads of waste and the weights or estimates of weights or volume of waste received each day of operation and recorded at the end of each operating day;
- II.K.1.a.(ii) Major deviations from the approved plan of operation, recorded at the end of the operating day the deviation occurred;

- II.K.1.a.(iii) Results of monitoring required by this Permit, recorded in the daily operating record on the day of the event or the day the information is received;
- II.K.1.a.(iv) Records of all inspections conducted by the Permittee, results of the inspections, and corrective actions taken, recorded in the record on the day of the event.
- II.K.1.b Records of a general nature including:
 - II.K.1.b.(i) A copy of this Permit, including the Permit Application;
 - II.K.1.b.(ii) Results of inspections conducted by representatives of the Director, and of representatives of the Central Utah Public Health Department, when forwarded to the Permittee;
 - II.K.1.b.(iii) Closure and Post-closure care plans; and
 - II.K.1.b.(iv) Records of employee training.

II.L. Reporting

- II.L.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.

II.M. Roads

- II.M.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.

II.N. Litter Control

- II.N.1. Litter resulting from operations of the landfill shall be minimized. In addition to the litter control plans found in Attachment 1 of this permit, the Permittee shall implement the following procedures when high wind conditions are present:
 - II.N.1.a Reduce the size of the tipping face;
 - II.N.1.b Reduce the number of vehicles allowed to discharge at the tipping face at one time;
 - II.N.1.c Orient vehicles to reduce wind effects on unloading and waste compaction;
 - II.N.1.d Reconfigure tipping face to reduce wind effect;
 - II.N.1.e Use portable and permanent wind fencing as needed; and
 - II.N.1.f Should high winds present a situation that the windblown litter cannot be controlled, the Permittee shall cease operations of the landfill until the winds diminish.

III. CLOSURE REQUIREMENTS

III.A. Closure

III.A.1. 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 R315-303-3(4) of the Utah Administrative Code plus sufficient cover soil or equivalent material to protect the low permeability layer from the effects of frost, desiccation, and root penetration. 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.

III.A.2. Title Recording

III.A.2.a The Permittee shall meet the requirements of R315-302-2(6) of the Utah Administrative Code by recording a notice with the Millard 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.

III.B. Post-Closure Care

III.B.1. 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 R315-302-3(7)(c) of the Utah Administrative Code is made.

III.C. Financial Assurance

III.C.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 at any stage or phase or anytime during the life of the landfill or the permit life, whichever is shorter, and the Permittee shall fully fund the trust fund within ten years of the date waste is first received at the landfill.

III.C.2. With each annual revision of the closure and post-closure care cost estimate, the Permittee shall determine the annual payments to be made to the trust fund by the following formula:

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

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

III.D. Financial Assurance Annual Update

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

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

III.E.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.

IV. ADMINISTRATIVE REQUIREMENTS

IV.A. Permit Modification

IV.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.

IV.B. Permit Transfer

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

IV.C. Expansion

IV.C.1. This Permit is for a Class I Landfill. The permitted landfill shall operate according to the design and Operation Plan described and explained in this Permit. Any expansion of the current footprint designated in the description contained in the Permit Application, but within the property boundaries designated in the Permit Application, shall require submittal of plans and specifications to the Director. The plans and specifications shall be approved by the Director prior to construction.

IV.C.2. Any expansion of the landfill facility beyond the property boundaries designated in the description contained in the Permit Application shall require submittal of a new permit application in accordance with the requirements of R315-310 of the Utah Administrative Code.

IV.C.3. Any addition to the acceptable wastes described in Section I.B shall require submittal of all necessary information to the Director and the approval of the Director. Acceptance of a broader waste stream may also require a new permit and compliance

with the requirements for a new permit under R315-301 through 320 of the Utah Administrative Code and Utah Code Ann. § 19-6-108.

IV.D. Expiration

- IV.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 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.

V. **ATTACHMENTS**

Attachment 1 – Operations Plan

Attachment 1
Operations Plan

2 PLAN OF OPERATION

Millard County is submitting the following Plan of Operation for a Class I Municipal Landfill at the Millard County Landfill as required by the Utah Solid Waste Permitting and Management Rules, UAC R315-301 through R315-320, Solid Waste Rules as the Solid Waste Management Authority for Millard County and conforms to regulations of the Utah Department of Environmental Quality (UDEQ) governing solid waste sites and facilities. This Plan of Operation is submitted as part of an application for a permit to operate a Class I site, as required by UAC 315-310-4.

The Millard County Landfill is owned and operated by Millard County. The business office is located at 71 South 200 West Delta, Utah. The Plan of Operation shall be retained at the Millard County Office in Delta. The responsibility for compliance with the plan shall be that of the Operations Manager and the Landfill Supervisor. A copy of the plan shall be available for the review by employees involved in daily operations, as to regulatory agencies and other parties as requested.

Prior to the implementation of operational modifications, regulatory requirements shall be assessed to ensure that compliance criteria are satisfied. Waste management practices not included in this Plan of Operation shall be submitted to UDEQ prior to implementation. These may include expansion of services or changes operational standards and practices shall be incorporated into the Plan of Operation upon final approval by UDEQ.

2.1 Hours of Operation

The Millard County Landfill is open to the public from 10:00 am to 6 pm during the spring and summer months, and from 9:30 am to 5:30 pm during the fall and winter. The time changes take effect when daylight saving time changes occur. The Landfill is open Monday through Saturday, 313 days per year. There will always be a landfill attendant on-site during the operating hours.

2.2 Schedule of Construction

The Millard County Landfill has utilized a “super cell process” and will continue to use super cells for solid waste disposal. As shown in Drawing B-2 (1/2), an area of approximately 24 acres has been filled and capped. A new cell has been excavated adjacent to the 24-acre capped area for future use. The cell is from south to north across the property. The cell is approximately 1200 feet long at surface and 900 feet at the bottom, and 50 feet deep with a bottom width of 100 feet. The side slopes are 3:1 (horizontal vs. vertical) maximum. They will continue excavating the cell to the west as needed as they fill the cell with waste from the east to the west and they are covering the waste as the cell is filled. The slopes will be maintained at 3:1 maximum and they have built berms at the top of the slopes to prevent trucks backing into the cut slopes, as shown in Drawings D-2 and D-3 of **Appendix I**. Based on current and projected incoming waste volumes and cell sizes, a new cell will be required every 1¼ years. Drawing B-2 of **Appendix I** illustrates the conceptual phased construction across the landfill property.

2.3 Name/Addresses of All Property Owners within 1000 Feet of the Facility

As shown in Drawing B-3 of **Appendix I**, property owners within 1000 feet of the landfill include the following:

Quality for Animal Life, Inc
6036 South Linden Way
Salt Lake City, Utah 84121-1464

Delta Milk Company
1564 Milk Way Lane
Delta, Utah 84624-5509

Millard County
50 South Main
Fillmore, Utah 84631

U.S. Bureau of Land Management
95 East 500 North
Fillmore, Utah 84631

2.4 Waste Handling

UAC R315-302-2 requires that a plan for operating a Class I landfill must provide for a description of on-site waste handling procedures during the active life of the facility. The Millard County Landfill accepts the following types of waste for recycling or disposal:

- Household/private
- Commercial
- Industrial
- Construction/demolition
- Dead animals
- White goods
- Automobiles
- Medical and asbestos wastes
- Yard wastes
- Household hazardous wastes

The Millard County Landfill does not accept the following types of wastes:

- Liquid wastes
- Hazardous/PCB wastes
- Tires

All incoming vehicles are met by the landfill attendant. Load inspections are performed on a random basis. All incoming waste shipments are recorded on the "Daily Activity Log" form, a copy of which is contained in **Appendix D**. Recorded information includes vehicle types, license number, load volume estimate, date/time, and the name of the waste hauler. Waste volumes are estimated based on vehicle and load size. Landfill signs direct incoming traffic to either the active disposal area or the flesh pit location. Majority of the waste received at the landfill arrives via County or commercial collection vehicles. The general public is not allowed access to the near and active face. Private haulers are directed to discharge

their loads in a public discharge area near the active face. Landfill personnel transport the discharged load to the active face for disposal.

The equipment used at the facility includes a Caterpillar 916 steel-wheeled compactor, a scraper, front-end loader, and a track dozer. A front-end loader is available on request from the county road department. The handling procedures used at the facility for accepted types of waste, as well as the screening procedures used to prevent prohibited materials from entering the landfill, are described in the following sections.

2.4.1 Household and Commercial Wastes

Household wastes consist of any solid waste derived from households, including garbage, trash, and sanitary wastes. Household sources may include single and multiple family residences, hotels, motels, bunkhouses, ranger stations, crew quarters, campgrounds, picnic grounds and recreation areas used during the daytime. Commercial wastes are those wastes which are nonindustrial in nature and include solid waste generated by stores, offices, restaurants, warehouses, and other non-manufacturing activities, excluding residential and industrial wastes.

Collection and disposal services for household and commercial wastes are provided by Millard County at twelve transfer stations throughout the county, and by two commercial collectors/haulers that provide curbside residential pickup. Majority of the management of the municipal waste stream consists of the collection and disposal of household and commercial wastes. Incoming waste from county and commercial haulers is received at the active face, typically on the south end of each cell. The waste is discharged and spread in layers not exceeding two feet in thickness and compacted using multiple passes of a steel-wheeled compactor. Private haulers are directed to an unloading area near the active face. Discharged loads are moved from the unloading area to the active face by landfill personnel and equipment. As described in this Plan of Operation, all aspects of household and commercial waste management at the Millard County Landfill are performed in accordance with appropriate federal and state regulations.

2.4.2 Industrial Wastes

Most industrial wastes generated in Millard County are disposed of on the generator's property. Certain industrial wastes may be disposed of at the Millard County Landfill with the prior approval of the County. The approval process is based on the waste type, quantity, and related analytical data, if required. Hazardous waste generators use the services of permitted hazardous waste facilities outside Millard County (Stansbury, 1993).

2.4.3 Construction/Demolition Wastes

Construction/demolition wastes generated within the western portion of Millard County are disposed of at the Millard County Landfill. The waste is dumped in the northern end of each disposal cell and periodically compacted and covered to prevent uncontrolled fires and rodent or vector harborage.

2.4.4 Dead Animals

Dead animals are deposited in an excavated trench referred to as a “flesh pit” which is situated in the northwest corner of the landfill property. Dead animals are covered upon arrival or at the end of the workday with a minimum of six inches of soil.

2.4.5 White Goods, Automobiles and Tires

White goods, automobiles and scrap metal are stockpiled on-site at the Millard County Landfill. They are periodically removed by an automobile crushing and recycling service. No tires are accepted, and no tires are stockpiled at the landfill for recycling purposes. Refrigerators will not be accepted at the Millard County Landfill without certification that the Freon has been removed. The Landfill staff includes two certified individuals who remove the Freon from private deliveries of refrigerators.

2.4.6 Yard Wastes

Yard wastes may include tree and brush trimmings, glass clippings, straw and hay, and wastes from seasonal or special events. These are accepted at the facility and are deposited in the north end of each cell with construction/demolition waste.

2.4.7 Household Hazardous Wastes

Millard County currently does not have a household hazardous waste program. Many households’ hazardous wastes, such as residuals in cleaning supply containers, are managed as part of the municipal solid waste stream. Used automotive batteries are not accepted at the Millard County Landfill. They are directed to retail stores where they are accepted for an exchange value when purchasing a new battery. Waste motor oil and antifreeze are collected by local service stations. These products are periodically picked up by a licensed used oil service.

2.4.8 Medical Wastes

Medical and infectious wastes from medical facilities are accepted at the Millard County Landfill. Medical wastes generated at the Delta and Fillmore Community Medical Centers are delivered directly to the facility at which time the landfill operator places the waste containers at the bottom of the active face and immediately covers them with twelve inches of earth or waste material which does not contain infectious waste. The waste containers will not be compacted until they are covered.

2.4.9 Asbestos Waste

Asbestos wastes will be accepted at the Millard County Landfill if the following conditions are satisfied:

- The asbestos waste must be adequately wetted and containerized to prevent fiber release

- The waste containers are labeled with the name of the waste generator, the location where the waste was generated and tagged with a warning label that conforms to the requirements of 40 CFR Part 61.149(2).

Upon receipt of asbestos waste, the operator shall:

- Verify the quantities of waste received, sign off on the waste shipment record, and send a copy of the waste shipment record to the generator within 30 days.
- Require vehicles that have transported asbestos waste to be marked with warning signs as specified in 40 CFR Part 61.149.
- Inspect the load to verify that the asbestos waste is properly contained in leak-proof containers and labeled properly
- Place asbestos containers at the bottom of the active face with sufficient care to avoid breaking the containers
- Cover the waste within 18 hours with a minimum of six inches of material that does not contain asbestos or if the waste is not properly containerized cover immediately with six inches of material that does not contain asbestos
- Limit access to the asbestos disposal area until the waste has been covered with six inches of material which does not contain asbestos

If the operator believes that the asbestos waste is in a condition that may cause significant fiber release during disposal, the operator will notify the local health department and the Director of the Division of Waste Management and Radiation Control (Director). If the wastes are not properly containerized, and the landfill operator accepts the loads, the operator shall thoroughly soak the asbestos with a water spray prior to unloading, rinse out the truck and immediately cover the waste with six inches of non-waste material which prevents fiber release prior to compacting the waste in the landfill.

2.4.10 Liquid Waste Exclusion Program

Liquid waste management procedures are in place at the Millard County Landfill. In accordance with UAC R315-315-5, sewage sludge, septic tank pumping and raw sewage are not accepted at the facility; only dry waste is allowed. Liquids which are in bulk or not in containers are not permitted for disposal in the landfill unless the waste is non-septic household waste. To qualify for acceptance, liquid-filled containers must be part of the household waste stream, small and similar in size to a container which would normally be found in household waste (five gallons or less) and must be designed to hold liquids for uses other than storage.

Operational elements of the liquid waste management program include waste stream observation and separation, and container management. The waste haulers are the first line of defense against liquid waste disposal, followed by the landfill attendants and equipment operators. All landfill staff is trained to recognize liquid-filled containers which may require segregation from the waste stream. If a suspect container is observed, the spotter (hauler, landfill attendant or equipment operator) will determine whether the container is empty or not. Only empty, vented containers which do not contain hazardous materials are accepted for disposal. In order to dispose of suspect containers or materials, the generator must be able to provide documentation of a nonhazardous designation upon request. Accepted containers may not have more than two percent grease in them. Operators are instructed not to open containers without first checking with a field supervisor.

Containers which do not meet the criteria described above will be removed from the waste stream and returned to the generator. If the generator is unknown and the container is not empty, it will be stored in a designated fenced area until a hazardous waste determination can be performed by trained personnel. If the contents are determined to be nonhazardous, they will be mixed with soil and the soil and container will be disposed of on-site. If the contents are determined to be a hazardous waste, arrangements will be made by the landfill operator with a licensed transport and disposal facility to remove the container from the landfill premises. Notations will be made to the operating record that includes a complete description of the actions taken and the final decision to accept or reject a suspect load. The record will also contain a complete description of the generator, including name and vehicle description. In the event of a hazardous waste determination, the Division of Solid and Hazardous Waste will be contacted.

2.4.11 Hazardous/PCB/Waste Exclusion Program

Pursuant to UAC R315-315-7, an owner or operator shall not knowingly dispose, treat, store, or handle hazardous waste or waste containing polychlorinated biphenyl (PCB). Owners/operators of all municipal solid waste landfills must implement a program for detecting and preventing the disposal of regulated hazardous waste as defined in Title 40 of the Code of Federal Regulation (40 CFR) Part 261. The waste exclusion program must also be applied to PCB wastes as defined in 40 CFR Part 761. In addition, the Plan of Operation for a facility must include a description of procedures for excluding the receipt of hazardous waste or waste containing PCBs. Millard County will implement a series of internal procedures to satisfy this regulatory requirement. These procedures are outlined below.

2.4.11.1 Random Inspection of Incoming Loads

Incoming loads will be randomly selected to be visually inspected by landfill attendants and equipment operators who are trained and qualified to identify regulated hazardous or PCB wastes. The number of inspections will be approximately one out of every twenty loads, or approximately 1 percent of all incoming loads, which is a minimum benchmark. These loads will be inspected for free liquids and hazardous or PCB wastes. Inspections will be performed at the public discharge area by qualified personnel prior to transfer to the active face. Loads suspected of containing a high liquid content will be tested on-site by EPA Method 9095, paint filter test. Any loads failing the test will be rejected.

Load inspections and decisions which determine whether a material suspected of being hazardous, can be accepted for disposal will be made as follows:

- The waste will be unloaded in an area near, but immediately adjacent to the active portion of the cell
- The hauler will be required to wait until the content of the load is verified
- The waste will be carefully spread for observation using a dozer or front-end loader
- Containers with contents that are easily identifiable, such as unmarked 55-gallon drums, will be separated if a visual inspection determines that such movement will not cause the drum to open and will be opened and inspected only by properly trained personnel
- If the waste is determined to be acceptable, it may be transferred to the working face for disposal

Tests for characteristics of hazardous typically include TCLP (Toxicity Characteristic Leaching Procedure) and tests for corrosiveness, flammability and reactivity. Wastes that are suspected of being hazardous will be handled and stored as a hazardous waste until proven otherwise. If wastes temporarily stored at the site are determined to be hazardous, and the origin of the waste is unknown, the operator will immediately contact the Delta City Fire Department and the Millard County Sheriff's Hazardous Materials personnel, which will be responsible for proper management of the wastes. If hazardous wastes are to be transported from the facility, they must be:

- stored at the landfill in accordance with the requirements of a hazardous waste generator
- manifested
- transported by a licensed transporter
- disposed of at a permitted treatment, storage or disposal (TSD) facility.

UDEQ will be notified of the load waste characterization of any rejected loads. In addition, UDEQ will be notified of the load waste characterization of any rejected loads. In addition, UDEQ will be contacted to provide guidance on the proper procedures for notifying the waste generator and instructions for proper disposal.

2.4.11.2 Records of Inspections

A record of each random inspection will be maintained in the facility operating record and made available to UDEQ upon request. The "Record of Random Inspection" form contained in **Appendix D** will be used to record information obtained during each inspection. Inspection records may include, but are not necessarily limited to the following items:

- Date and time waste loads were received and inspected
- Source or generator of the wastes
- Vehicle and driver identification
- Observations made by the inspector
- Description of rejected loads
- Rationale for rejection

2.4.11.3 Training of Facility Personnel

Facility personnel are trained in the identification of containers and labels typically used for hazardous and PCB wastes. Training for hazardous material screening procedures address hazardous waste handling, safety precautions and record keeping requirements. Documentation of personnel training will be included with the operating record of the facility. The training of facility personnel is an ongoing process of on-the-job, in house and classroom training.

2.4.11.4 Handling Procedures of Hazardous or PCB Wastes

If an unexpected volume or weight of hazardous waste comes and is not known who the generator/owner is, contact the fire department and professional hazardous waste handler.

2.4.11.5 Notification

If suspected hazardous materials or PCB wastes are discovered during landfill operations, UDEQ will be notified within 24 hours by personnel at the Millard County Landfill. A record will be submitted to UDEQ, which identifies the date, time, time of discovery, type of material (if possible, without analytical testing), probable hauler, quantity, and actions proposed for the removal of the material from the area of discovery. The record of notification will be entered into the operating record maintained at the facility.

2.5 Daily and Interim Cover

The soil derived from each cell excavation is stockpiled above the previously completed cell. These stockpiles effectively form an interim cover layer which currently approaches 15 feet thick in places. As previously described, incoming waste is unloaded on the ramp at the southern end of each cell. Near the end of each operating day, the waste is then spread in thin layers, not to exceed two feet in thickness, and compacted using several passes with the Caterpillar 916 compactor. Cover material is then obtained from the soil stockpile and placed over the waste layers to a minimum thickness of six inches.

A portion of each super cell remains open during the excavation of the next cell, in order to receive waste during the period of excavation. As the new super cell is excavated, soil is stockpiled over the filled portion of the previous cell. When the excavation of the new super cell is completed, the remaining portion of the previous cell is covered by a minimum of two feet of native soil. Following the completion of filling a super cell, a minimum of two feet of stockpiled native soil will be left over the previously filled cell. In this way, all cells will be covered by an interim cover layer immediately following closure. The interim cover will be graded away from the active disposal cell to prevent run-on flow from entering the cell prior to closure. Berms will be constructed over the interim cover as necessary to control run-on and run-off flows.

2.6 Monitoring and Self Inspections

An Application for a Waiver from Ground Water Monitoring and Liner Requirements at the Millard County Landfill (Vector, 1994) was submitted to the Utah Department of Environmental Quality by Millard County. UDEQ reviewed the waiver application and issued a Request for Additional Information. The additional information was supplied, and a letter was issued UDEQ to Millard County which indicated the granting of such a waiver is probable, pending the approval of the permit application. A copy of each of these documents is included in **Appendix E**. Based on the technical justification and correspondence contained in the waiver application (**Appendix E**), the proposed landfill design does not include a leachate collection or ground water monitoring system.

The landfill gas monitoring program for the facility is outlined in Section 7.5 of this application. Millard County will inspect the facility no less than quarterly during the active life to prevent operator errors, discharges which may cause or lead to the release of wastes to the environment or to a threat to human health, and to ensure that proper drainage control measures are in place to prevent run-on from entering the active cell. Inspection will include, at a minimum, detailed observations of the cell walls, the active disposal area, perimeter fencing and drainage systems, and covered fill areas. Millard County will maintain an inspection log which includes, at a minimum, the date and time of the inspection, the printed name and handwritten signature of the inspector, observations made during the inspection, and the date and nature of any repairs or corrective actions performed as a result of the inspection. The inspection logs will be kept for a minimum of three years from the date of the inspection and will be maintained as part of

the operating record within the Plan of Operation. As with the Plan of Operation, the inspection records will be made available to the Director upon request.

2.7 Record Keeping

Millard County will maintain and keep at the County Offices and operating record for the Millard County Landfill, which will include the following information:

- Number of vehicles entering the landfill each day, with estimated types and volumes of waste
- Deviations from the approved plan of operation
- Training and notification procedures
- Results of required gas monitoring inspection logs or summaries
- Incident reports
- This application document.

The operating record for the facility will include any information pertaining to the landfill operations, including any additional information required by the Director. Examples of forms which will be used at the landfill are included in **Appendix D**.

2.8 Corrective Action Plan

Based on the information presented in the Application for a *Waiver from Ground Water Monitoring and Liner Requirements* submitted to the Utah Department of Environmental Quality (UDEQ) and included in Appendix E, it is unlikely that the ground water will be impacted by the operation of the landfill. If ground water is discovered to be affected by landfill operations at some time in the future, an appropriate corrective action plan will be developed and implemented.

2.9 Contingency Plans

UAC R-315-302-2 (D, F, J) requires the development of contingency plans to be implemented in the event of any emergency at the site. These plans must include an organized, coordinated and technically and financially feasible course of action for response to fire or explosion, releases of toxic or hazardous material, landfill gas, failure of run-off containment system and equipment breakdown. In addition, an alternative waste handling or disposal system must be developed in case the facility becomes unable to accept waste because of an emergency. The contingency plan for each of these occurrences is described below.

Note that a general emergency operations plan has been developed for Millard County. In addition, the Millard County Sheriff maintains a hazardous materials response plan. It is anticipated that one of these plans will be invoked by County personnel if the severity of an event at the landfill facility requires the participation of an emergency response team.

2.9.1 Contingency for Fire or Explosion

On-site personnel are prepared to provide immediate fire suppression in the event of an active face or structure fire. Fire extinguishers are mounted on all site equipment and county vehicles. In the event of a fire at the active face or within the waste mass, stockpiled cover soils will be used to cover the burning or smoldering area. Water will not be applied to the active face unless absolutely necessary. In the event of an uncontrolled fire or a fire that cannot be managed by on-site personnel, the Delta City Fire Department will be contacted. The Fire Department is in downtown Delta, approximately six and three-tenth (6.3) miles from the landfill; estimated response time is 10-15 minutes. Upon arrival at the facility, the Fire Department will assume responsibility for continuing fire abatement activities.

2.9.2 Release of Hazardous or Toxic Materials

In the case of hazardous or toxic material discharges at the Millard County Landfill, the Delta City Fire Department and the Millard County Hazardous Response Team will be notified immediately and will act as the emergency response team. Upon arrival at the Landfill, the Hazardous Materials Response Team will assume responsibility for all subsequent on-site activities related to the containment, handling, and transport off-site of the discharged material. Hazardous material spills will not be handled by Landfill employees. The operations manager will serve as the Landfill staff liaison with the Emergency Management Response Team and will ensure the safe evacuation of employees. Advanced planning is regularly apprised of established primary and secondary exit routes.

2.9.3 Landfill Gas

If landfill gas is discovered at the facility at levels above 25% of the lower explosive limit (LEL), operations will immediately be halted, and all necessary steps will be taken to insure the protection of human health and the environment. In addition, the Director will be notified. Within seven days of the detection of gas levels which exceed the LEL, the detected methane levels and a description of the steps taken to protect human health will be entered into the operating record of the site. Within 60 days of detection, Millard County will develop and implement a remediation plan for the gas release, place a copy of the plan in the operating record, and notify the Director that the plan has been implemented. Landfill gas monitoring will be performed on a quarterly basis as described in Section 7.5 of this application.

2.9.4 Failure of Runoff Containment System

Due to the method of disposal utilized at the Millard County Landfill, a breach in the integrity of the run-off containment system will not result in the release of contact waters to the areas outside the landfill property. All incoming waste is deposited on a ramp at the southern end of the cell prior to compaction. The ramp slopes to the bottom of the cell. Any breach in the integrity of the run-off containment system at the Landfill will be repaired immediately after run-off flows have receded to an acceptable level.

2.9.5 Equipment Breakdown

Routine equipment maintenance is performed on-site by landfill staff. Equipment repairs are performed on-site by mobile repair units, or the equipment is transported off-site to the repair vendor or to the County Road Shop. Backup equipment can be provided by the other equipment can be provided by other Millard County departments within a matter of several hours if necessary. Additionally, auxiliary equipment may be leased from a private contractor as required.

2.9.6 Alternative Waste Handling

In the unlikely event of an emergency which requires the short-term closure of the landfill, several options are available. Waste collection may be temporarily discontinued, providing the duration of the crisis is short enough. During such an event, waste which has already been collected will be stockpiled off-site on county owned land. Additional 40-yard roll-off bins may be acquired to accept additional waste volumes at the County's transfer stations. In the event that the landfill is unable to accept waste for an extended period, waste may be long hauled to the Juab County Landfill.

2.10 Installed Equipment Maintenance

Based on the issuance of a waiver from the ground water monitoring and liner requirements, there will not be any leachate collection or treatment equipment installed at the site. Culverts installed beneath site roadways will be inspected during the quarterly site inspection. Clogged culverts will be cleared as soon as possible. Any additional equipment which may be installed at the facility will be inspected in the quarterly monitoring program.

2.11 Vector Control

Appropriate vector control procedures are used at the Millard County Landfill for the protection of public health and safety. Compaction and grading of waste at the active face prevents vector harborage in, and access into the waste mass. The subsequent application of six inches of cover soil on a daily basis also deters, reduces or eliminates entry spaces, food sources, implemented to control rodent populations.

Insect breeding areas, which may occur in areas of stagnant water, such as in bulky wastes and tires, or in areas of putrescible wastes, will be addressed as discovered. Dead animals will be covered at the end of each day to prevent the attraction of insects. Surface water control measures and liquid waste restriction will minimize the presence of standing water and the accumulation of water in bulky wastes. If insect infestations occur in spite of these measures, approved insecticides will be used.

2.12 Training and Safety Plan

Current landfill personnel annually attend a landfill operations course presented by the Solid Waste Association of North America (SWANA). The training includes hazardous waste identification and handling, as well as general site operations. All future landfill personnel will be required to attend this, or

an equivalent course designed to train landfill operators. Training of landfill personnel is a continuing process which will also include basic first aid, safety training, equipment care, etc. Training will be documented and recorded for each course of instruction, and records will be kept current.

Communication via two-way radios and cell phones in each county vehicle are sufficient to enable contact with outside emergency services to protect the safety of personnel and users of the site. Phones are also available at the landfill shop on-site. Each County vehicle is equipped with a first aid kit. Depending on the severity of the injury, workers may treat themselves, call the Delta City Fire Department, or summon an ambulance. The injured worker is given discretion regarding whom to call and at what point. The operations manager or a county representative will be notified in the case of more severe injuries and will ensure availability of appropriate medical care. If an emergency response team is called to the site, site personnel will complete a *Millard County Accident / Injury Report* form and record the date, time, type of injury, actions taken, response time of the emergency management service, and the time which the individual was evacuated from the site.

2.13 Recycling Program

Millard County currently does not have curbside recycling program. As mentioned in Section 2.3, certain household hazardous wastes are currently being recycled by local businesses. Recycling of aluminum and newspaper occurs through voluntary community efforts. Junk automobiles, scrap metal and white goods are stockpiled at the landfill for pickup by a licensed crusher/recycler. Until such time as a regional market for recyclable waste is established, Millard County will promote recycling through public education about product packaging and disposable goods.

2.14 Additional Operational Procedures

Several additional standards for maintenance and operation are provided. Each of these operational standards is briefly discussed below. It is responsibility of the operations manager to ensure that the facility is in full compliance with the standards of this regulation.

- *Dust Control* – The Landfill access road is paved from U.S. Highway 50 to the vicinity of the current landfill cell. A small segment of gravel road extends from the end of the access road to the active disposal area. The segment of gravel road is currently approximately 600 feet long. The road receives scheduled magnesium chloride treatments from the Millard County Road Department to prevent excessive generation of fugitive dust. Within the landfill, unsightliness, dust and odor will be controlled by (1) timely placement of daily, intermediate and final soil cover over the refuse fill; (2) proper maintenance of haul roads (grading and watering); (3) application of water spray or dust palliative on soil-covered work areas, soil excavation areas, and soil stockpile areas where conditions may result in fugitive dust; (4) application of water or planting of temporary vegetation on intermediate soil cover when conditions might create fugitive dust; (5) planting and maintenance of vegetated cover on completed fill slopes; and paving of access roads as appropriate.

- *Open Burning* – Open burning occurs at the Millard County Landfill following specific and seasonal conditions. A good portion of its yard wastes (limbs, branches, etc.) is burned.
- *Litter Prevention* – A portable chain link fence surrounds the northern, southern and eastern boundaries of the active cell. The fence serves to collect blown litter and debris. In addition, the landfill and surrounding areas are picked for litter on a regular basis by the Millard County Sheriff's Inmate Work Crew.
- *Scavenging* – Scavenging is prohibited at the Millard County Landfill and staff onsite monitor potential scavenging.
- *Reclamation* – On-site reclamation will be conducted in an orderly, sanitary fashion and will not interfere with site operations. Reclamation will be an ongoing process at the facility and will include general site grading over old cells and possible revegetation of cut slopes around the perimeter access road, as needed.
- *Landfill Attendant* – There will be always a minimum of one landfill attendant or equipment operator on-site during normal operating hours.
- *Vector Control* – Vector control is described in Section 2.10 above.
- *Reserve Equipment* – The Millard County Landfill is run by Millard County and therefore can utilize equipment from other County departments in the event of an equipment breakdown.
- *Boundary Posts* – The entire permitted area is encompassed by a four-strand barbed-wire fence. The entrance to the landfill is clearly marked. The active cell area is bound on three sides by a chain link fence and on the fourth side by a pile of excavated soil which stretches the length of the cell.
- *Compaction and Daily Cover* – Methods for the compaction of waste and the application of daily cover are described in Section 2.4.
- *Monitoring Systems* – Ground water monitoring systems are not included as part of the site design pursuant to the technical justification presented in an application was previously submitted to the Utah Department of Environmental Quality and is included as Appendix E of this permit application. The gas monitoring program is defined in Section 7.5 of this report.
- *Recycling* – At this time recycling containers are not planned for the landfill facility. Several containers for common recyclable materials such as aluminum and newspaper are located throughout the City of Delta. At such time that a market develops for additional recyclable materials, containers will be provided within the City of Delta or at the landfill in accordance with UAC R315-303-5(6).
- *Hazardous Waste* – Hazardous waste is prohibited at the Millard County Landfill. The hazardous waste exclusion program for the facility is described in Section 2.3.9 of this application.

**MILLARD COUNTY LANDFILL
NOTIFICATION OF IN SERVICE TRAINING**

Please Print

Employee's Name (Last Name) (First Name) (Middle Initial)

Employee Number Social Security Number Class Completion Date

Title of School or Training Location Number of Hours

Employee Date

I verify that this employee was present for the above listed training hours.

Training Officer, Instructor, or Supervisor Date

**MILLARD COUNTY LANDFILL
NOTIFICATION OF IN SERVICE TRAINING**

Please Print

Employee's Name (Last Name) (First Name) (Middle Initial)

Employee Number Social Security Number Class Completion Date

Title of School or Training Location Number of Hours

Employee Date

I verify that this employee was present for the above listed training hours.

Training Officer, Instructor, or Supervisor Date

**Statement of Basis
for
Millard County Class I Landfill Permit**

1. INTRODUCTION

This Statement of Basis provides the rationale of the Director of the Division of Waste Management and Radiation Control (DWMRC) for issuing a permit to operate the Millard County Class I Landfill. The Director's staff conducted this evaluation to ensure compliance with the applicable solid waste rules. Matt Sullivan wrote this Statement of Basis.

2. FACILITY BACKGROUND

a. Facility Location and History

The Millard County Class I Landfill is located at 2250 South U.S. Highway 50 (5784 E. 2160 S.) approximately six miles east of Delta, Utah.

b. Regulatory History

The first permit issued to operate the Millard County Class I Landfill was approximately in 1996. Since that time the permit has been renewed four times (which includes this most recent permit).

3. EVALUATION OF THE PERMIT APPLICATION

- a. The permit application (DSHW-2022-010262) was received on May 10, 2022. Previous approval of an alternative liner and exemption from groundwater monitoring was given based on demonstrated geologic, hydrogeologic, climatic, waste stream, and other factors that the landfill is approved for an alternative design and exempt from groundwater monitoring. The permit application was evaluated and determined complete on May 24, 2022. A waiver from groundwater monitoring and liner requirements is noted in Attachment A of this Statement of Basis.

4. JUSTIFICATION FOR ISSUING THE PERMIT

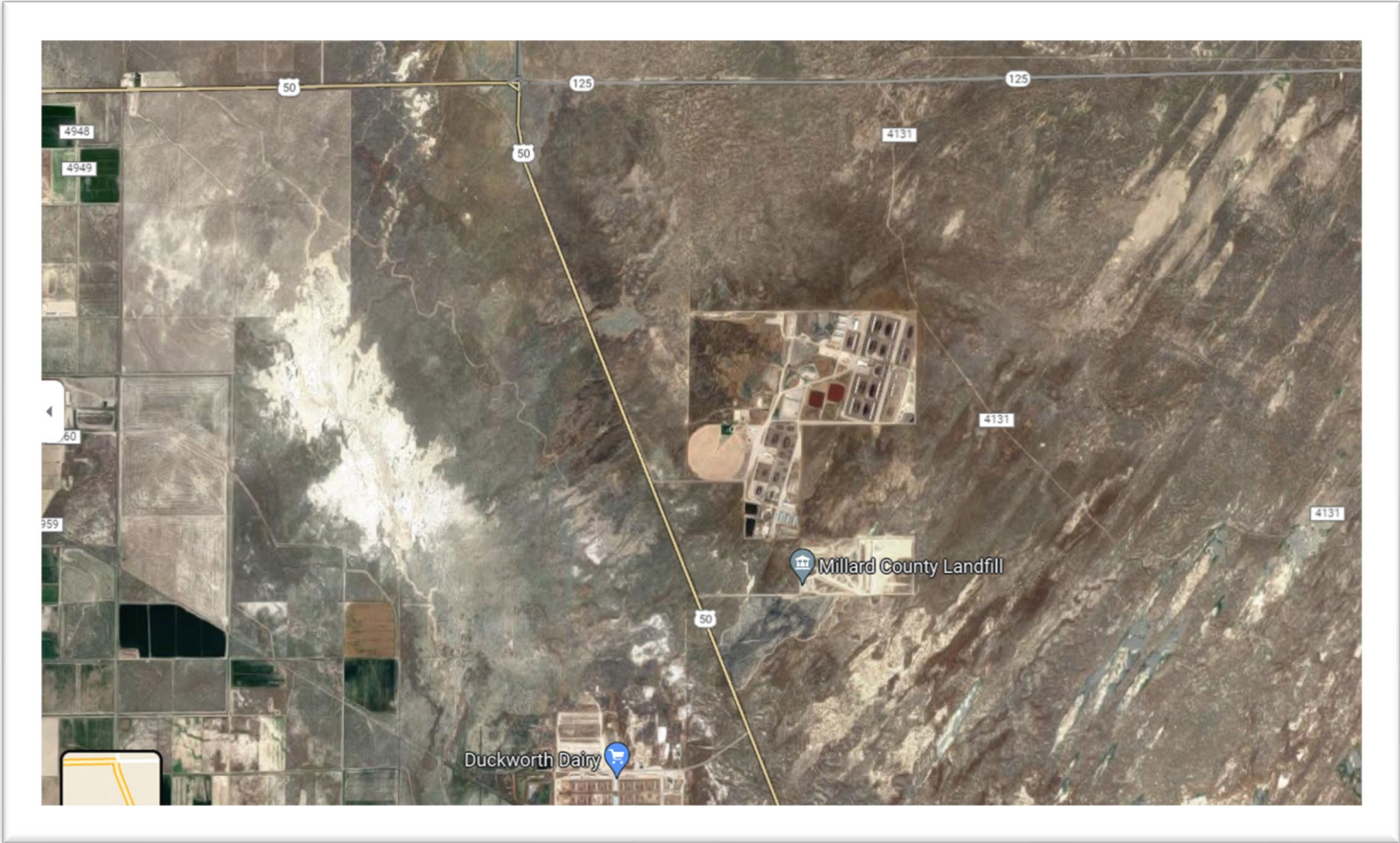
- a. The Director's staff has evaluated the permit application as required by Section 19-6-108 of the Solid and Hazardous Waste Act and R315-301 through 320 of the Solid Waste Permitting and Management Rules.

5. PUBLIC PARTICIPATION

- a. As required by Utah Administrative Code R315-311-3, the Director provided an initial 30-day public comment period between September 8, 2022 and October 7, 2022. No comments were received.

6. DIRECTOR RESPONSE TO PUBLIC COMMENTS: No comments were received during the public comment period. There were no responses from the Director.

Millard County Class I Landfill
Location Map
(North Bearing – top of map)



ATTACHMENT A

Millard County Class I Landfill Ground Water Monitoring and Liner Exemption

In 1994, an *Application for a Waiver from Ground Water Monitoring and Liner Requirements at the Millard County Landfill* was submitted by Vector Engineering, Inc. Millard County has re-applied for renewal of its solid waste permit to continue to operate the Millard County Class I Landfill approximately 6 miles east of Delta, Utah. The original permit application included a request for a waiver to install a liner and groundwater monitoring requirements. The information provided in support of the waiver request has been reviewed and has been determined to qualify which is in Appendix E of the current permit application.