State of Utah

GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

Department of
Environmental Quality

Alan Matheson
Executive Director

DIVISION OF WASTE MANAGEMENT
AND RADIATION CONTROL
Scott T. Anderson
Director

October 22, 2018

LuAnne Miller, Office Manager
Millard County
71 South 200 West
P.O. Box 854
Delta, Utah 84624

RE: Draft Permit
Fillmore Class IV Landfill

Dear Ms. Miller:

The Division of Waste Management and Radiation Control has completed its review of the application to renew the Fillmore Class IV Landfill. The application has been determined to be complete. A draft permit has been prepared and is enclosed for your review.

Please review the enclosed draft permit and notify our office by November 16, 2018 if you have questions or comments. After your review, the Division will begin the required 30-day public comment period. Following the public comment period and resolution of any comments, final action will be taken on the draft permit.

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

Sincerely,

Scott T. Anderson, Director
Division of Waste Management and Radiation Control

STA/MBS/kl

Enclosure: Draft Permit

DSHW-2018-007747

195 North 1950 West • Salt Lake City, UT
Mailing Address: P.O. Box 144880 • Salt Lake City, UT 84114-4880
Telephone (801) 536-0200 • Fax (801) 536-0222 • T.D.D. (801) 536-4284
www.deq.utah.gov
Printed on 100% recycled paper

c: Sue Hilderbrand, MSN, Health Officer, Central Utah Public Health Department
Nathan Selin, Environmental Health Director, Central Utah Public Health Department
John Chartier, P.E., DEQ District Engineer

DIVISION OF WASTE MANAGEMENT AND RADIATION CONTROL CLASS IVb SOLID WASTE LANDFILL PERMIT

FILLMORE CLASS IVb LANDFILL

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

Millard County as owner and operator,
(Permittee),

to own, and operate the Fillmore Class IV Landfill located in the Southeast 1/4 of Section 16, Township 21 South, Range 4 West, Salt Lake Base and Meridian, Millard County, Utah as shown in the Permit *Renewal* Application that was determined complete on *(insert date of draft permit cover letter and DSHW tracking number).*

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

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

This Permit shall become effective _____ 2018.

This Permit shall expire at midnight _____ 2018 .

Closure Cost Revision Date:_____ 2023 .

Signed this __ day of _____, 2018.

_____
Scott T. Anderson, Director
Division of Waste Management and Radiation Control

DRAFT

FACILITY OWNER/OPERATOR INFORMATION

LANDFILL NAME:	Fillmore Class IVb Landfill
OWNER NAME:	Millard County
OWNER ADDRESS:	71 South 200 West, P.O. Box 854, Delta, Utah 84624
OWNER PHONE NO.:	(435) 864-1400
OPERATOR NAME:	(Same as Owner)
OPERATOR ADDRESS:	(Same as Owner)
OPERATOR PHONE NO.:	(Same as Owner)
TYPE OF PERMIT:	Class IVb Landfill
PERMIT NUMBER:	Permit Number 9712R3
LOCATION:	Landfill site is located in Township 21 South, Range 4 West, Section 16, SLMB; Millard County, Lat. 38º 58' 45" North, Long. 112º 18' 12" West. Fillmore Class IVb Landfill is approximately .7 miles east of Highway 99 on 500 North, Fillmore, Utah.
PERMIT HISTORY	Permit renewal signed **date signed**

DRAFT

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 one mobile shed used for staff to monitor and check all in-coming solid waste, and retain recordkeeping documents. It also has green waste and metal recycling staging areas and a dead animal disposal cell.

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

DRAFT

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 123 and applicable portions of R315-301 through 320 of the Utah Administrative Code constitutes a violation of the Permit or applicable statute or rule and is grounds for appropriate enforcement action, permit revocation, modification, or denial of a permit renewal application.

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; and

I.B.4. Dead animals when placed in a separate area and covered each day or placed in the working face and covered with waste immediately.

I.C. Prohibited Waste

I.C.1. Hazardous waste as defined by R315-260 and R315-261 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 and commercial waste, except waste resulting from the abatement, rehabilitation, renovation and remodeling of homes and other residences;

I.C.4. Municipal waste, industrial wastes, liquid and sewage sludge;

I.C.5. Contaminated soil, grease trappings, and waste oil;

I.C.6. Waste Tires;

I.C.7. Special waste except as specified in this Permit;

I.C.8. Regulated asbestos-containing material;

I.C.9. Industrial solid waste as defined in R315-301-2(35) of the Utah Administrative Code;

I.C.10. Commercial solid waste as defined in R315-301-2(14) of the Utah Administrative Code; and

DRAFT

I.C.11. 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.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 Central Utah Public Health Department, to enter at reasonable times and:

I.D.1.a Inspect the landfill or other premises and the 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

DRAFT

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.E.6. Revocation

I.E.7. 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.F. Attachment Incorporation

I.F.1. Attachments to the Permit are incorporated by reference into this Permit and are enforceable conditions of this Permit, as are documents incorporated by reference into the attachments. Language in this Permit supersedes any conflicting language in the attachments or documents incorporated into the attachments.

II. DESIGN AND CONSTRUCTION

II.A. Design and Construction

II.A.1. The landfill is currently operational. Future construction shall be done according to the design outlined in the Attachment 1 including landfill cells, fences, gates, and berms.

II.A.2. The Permittee shall notify the Director upon completion of construction of any landfill cells or run-on and run-off diversion systems. No landfill cells or run-on and run-off diversion system may be used until construction is approved by the Director.

II.A.3. The Permittee shall notify the Director of the completion of construction of any final cover system and shall provide all necessary documentation and shall apply for approval of the construction from the Director.

II.A.4. If ground water is encountered during excavation of the landfill, the Director shall be notified immediately, and a contingency plan implemented or alternative construction design developed and submitted for approval.

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

DRAFT

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

III. LANDFILL OPERATION

III.A. Operations Plan

III.A.1. The Permittee shall keep the Operations Plan included in Attachment 2 on site at the landfill or at the location designated in section III-H of this Permit. The Permittee shall operate the landfill in accordance with the operations plan. If necessary, the Permittee may modify the Operations Plan, provided that the modification meets all of the requirements of R315-301 through 320 of the Utah Administrative Code, is as protective of human health and the environment as the Operations Plan approved as part of this Permit. Any modification must be approved by the Director as a permit modification under R315-311-2(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 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.

DRAFT

III.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 Permitee's non-compliance with R307-202-5 of the Utah Administrative Code, as determined by the Director, also constitutes non-compliance with this Permit.

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

III.E. Cover

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

III.E.2. The Permittee may use an alternative cover material when the material and operation meets the requirements of R315-303-4(4)(b) through (e) of the Utah Administrative Code.

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

III.E.4. The Permittee shall record in the daily operating record at the end of each day of operation when soil or an alternative cover is placed, the amount and type of cover placed and the area receiving cover. Cover requirements for dead animals are found in Section III-L of this Permit.

III.F. Waste Inspections

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

III.F.2. The Permittee shall inspect all loads suspected or known to have one or more containers capable of holding more than five gallons of liquid to ensure that each container is empty.

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

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

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

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

DRAFT

III.F.4.c Loads shall be spread by equipment or by hand tools;

III.F.4.d Personnel trained in hazardous waste recognition and recognition of other unacceptable waste shall conduct a visual inspection of the waste; and

III.F.4.e Personnel conducting the inspection shall record the results of the inspection on a waste inspection form as found in Attachment 3. The Permittee shall place the form in the daily operating record at the end of the operating day.

III.F.4.f The Permittee or the waste transporter shall properly dispose of any waste that is not acceptable at the facility at an approved disposal of that type of waste.

III.G. Self-Inspections

III.G.1. The Permittee shall inspect the facility to prevent malfunctions and deterioration, operator errors, and discharges that may cause or lead to the release of wastes or contaminated materials to the environment or create a threat to human health or the environment. The Permittee shall complete these general inspections no less than quarterly and shall cover the following areas: Waste placement, compaction, adequate cover, fences and access controls, roads, run-on/run-off controls, final and intermediate cover, litter controls, and records. The Permittee shall record the inspections in the daily operating record on the day of the inspection. The Permittee shall correct the problems identified in the inspections in a timely manner and document the corrective actions in the daily operating record.

III.H. Recordkeeping

III.H.1. The Permittee shall maintain and keep on file, at the staff shed on site, 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.1.a Records related to the daily landfill operation or periodic events including:

III.H.1.a.(1) 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.1.a.(2) Major deviations from the approved plan of operation recorded at the end of the operating day the deviation occurred;

III.H.1.a.(3) 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.1.a.(4) Records of all inspections conducted by the Permittee, results of the inspections, and corrective actions.

III.H.1.b Records of a general nature including:

III.H.1.b.(1) A copy of this Permit, including forms in Attachment 3;

DRAFT

III.H.1.b.(2) Results of inspections conducted by representatives of the Director and representatives of the Central Utah Public Health Department, when forwarded to the Permittee;

III.H.1.b.(3) Closure and Post-closure care plans; and

III.H.1.b.(4) 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 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. In addition to the litter control plans found in Attachment 2, the Permittee shall implement the following procedures when high wind conditions are present:

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

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

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

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

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

III.K.1.f Should high winds present a situation that the windblown litter cannot be controlled, the Permittee shall cease operations of the landfill until the winds diminish.

III.L. Disposal of Special Wastes

III.L.1. The Permittee may dispose of animal carcasses may at the landfill working face and shall cover them with other solid waste or earth by the end of the operating day on 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 at the end of each operating day.

IV. CLOSURE REQUIREMENTS

DRAFT

IV.A. Closure

IV.A.1. The Permittee shall perform closure as outlined 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 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 after recordation.

IV.C. Post-Closure Care

IV.C.1. The Permittee shall perform post-closure care at the closed landfill in accordance with the Post-Closure Care Plan in Attachment 4. Post-closure care shall continue until all waste disposal sites at the landfill have stabilized and the finding of R315-302-3(7)(c) of the Utah Administrative Code is made.

IV.D. Financial Assurance

IV.D.1. The Permittee shall keep in effect and active the currently approved financial assurance mechanism or another approved mechanism that meets the requirements of R315-309 of the Utah Administrative Code and is approved by the Director to cover the costs of closure and post-closure care at the landfill. The Permittee shall adequately fund and maintain the financial assurance mechanism to provide for the cost of closure and post-closure until termination of financial assurance in accordance with R315-309-11 of the Utah Administrative Code.

IV.D.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.

DRAFT

IV.E. Financial Assurance Annual Update

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

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

IV.F.1. The Permittee shall submit a complete revision of the closure and post-closure cost estimates by the Closure Cost Revision Date listed on the signature page of this Permit and any time the facility is expanded, any time a new cell is constructed, or any time a cell is expanded.

V. ADMINISTRATIVE REQUIREMENTS

V.A. Permit Modification

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

V.B. Permit Transfer

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

V.C. Expansion

V.C.1. This Permit is for the operation of a Class IVb Landfill according to the design and Operation Plan described and explained in Attachments 1 and 2. Any expansion of the current footprint designated in the description contained in Attachments 1 and 2, but within the property boundaries 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 Attachments 1 and 2 shall require submittal of a new permit application in accordance with R315-310 of the Utah Administrative Code.

V.C.3. Any addition to the acceptable wastes described in Section I-B shall require a permit modification in accordance with R315-311 of the Utah Administrative Code.

V.D. Expiration

DRAFT

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.

DRAFT

DRAFT

Attachment 1

Millard County Landfill Topographic Survey
October 2017

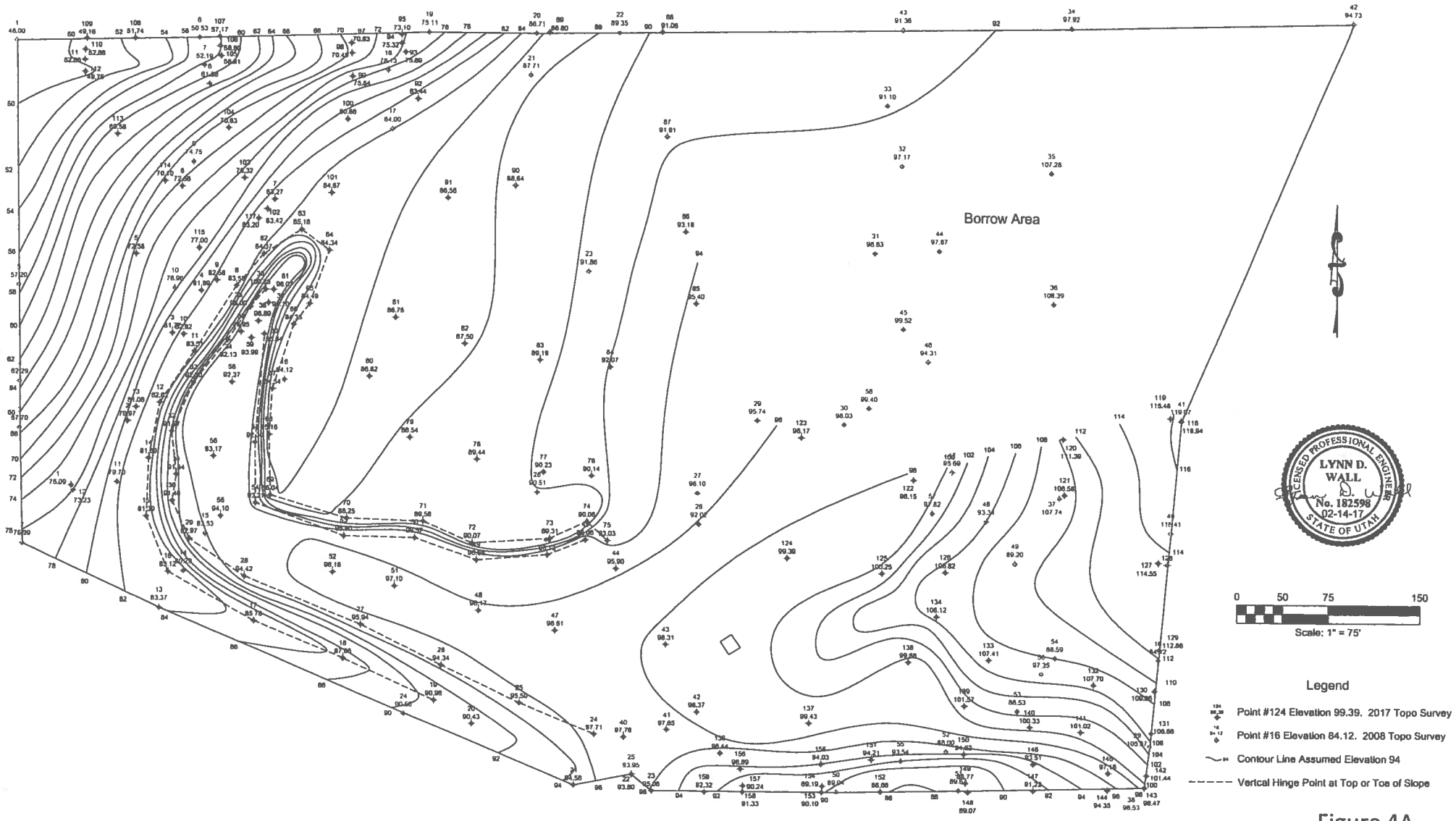
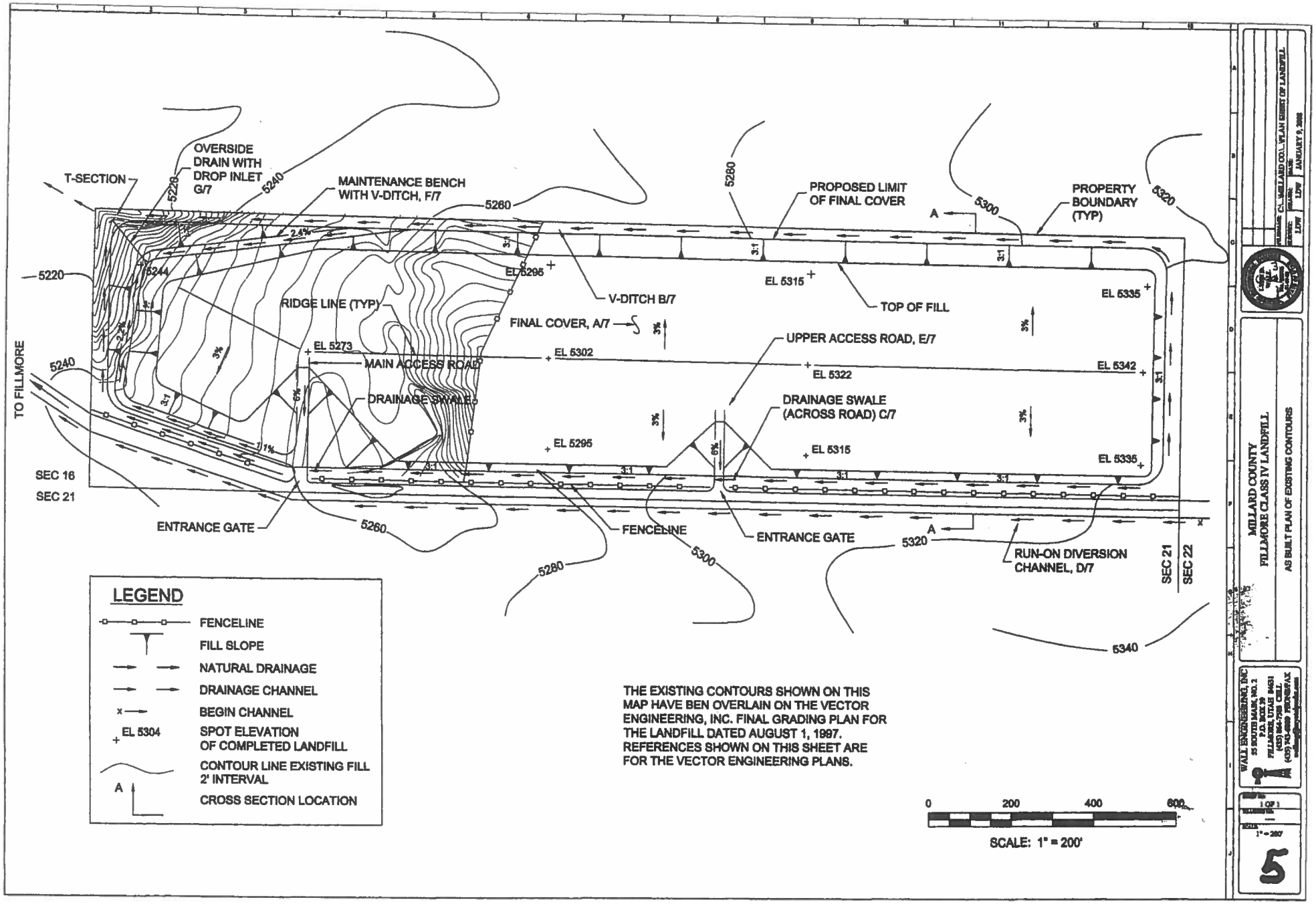
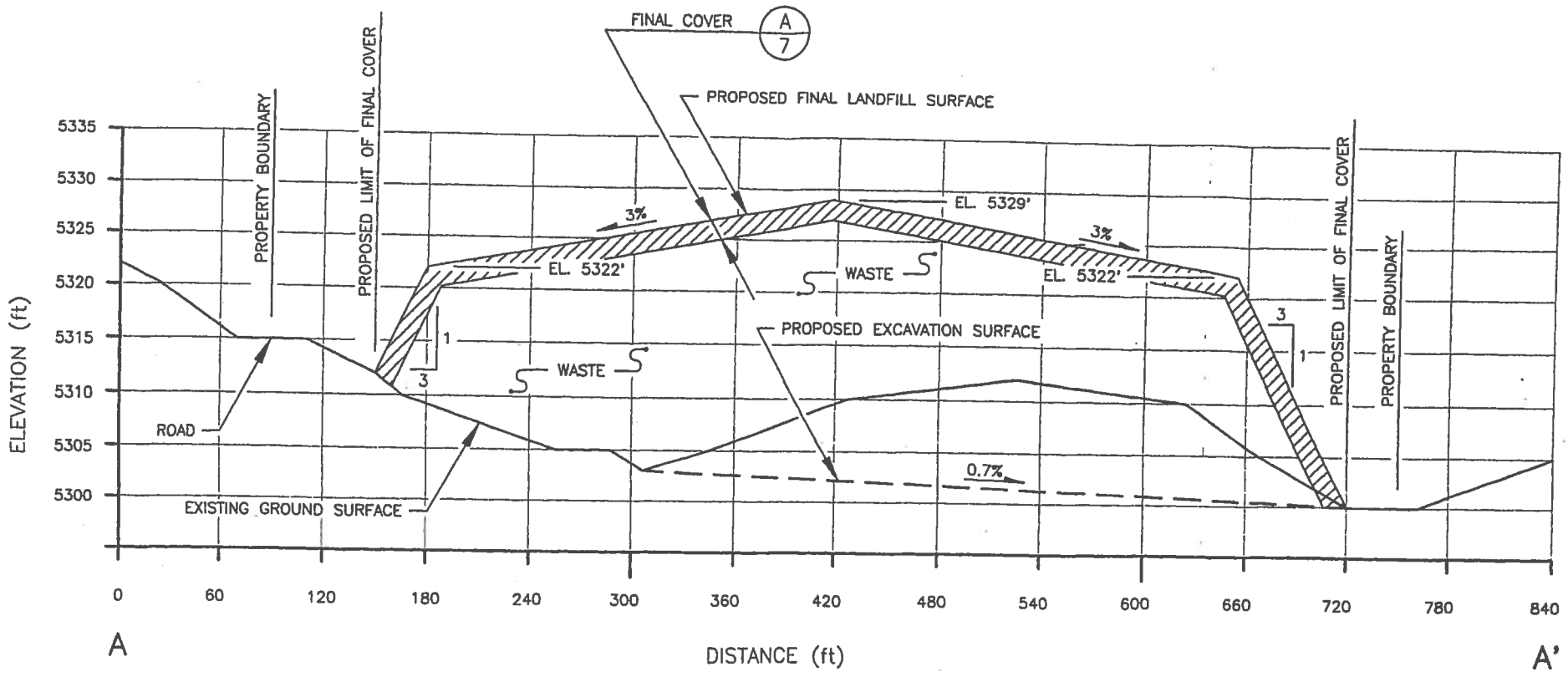


Figure 4A


T-SECTION
OVERSIDE DRAIN WITH DROP INLET G/7
MAINTENANCE BENCH WITH V-DITCH, F/7
PROPOSED LIMIT OF FINAL COVER
PROPERTY BOUNDARY (TYP)
V-DITCH B/7
TOP OF FILL
RIDGE LINE (TYP)
FINAL COVER, A/7
UPPER ACCESS ROAD, E/7
MAIN ACCESS ROAD
DRAINAGE SWALES
DRAINAGE SWALE (ACROSS ROAD) C/7
TO FILLMORE
SEC 16
SEC 21
SEC 22
ENTRANCE GATE
FENCELINE
RUN-ON DIVERSION CHANNEL, D/7
EL 5273
EL 5295
EL 5302
EL 5315
EL 5322
EL 5335
EL 5342
5220
5224
5228
5240
5260
5280
5300
5320
5340
2.4%
1.1%
3%
6%
3:1
A
LEGEND
FENCELINE
FILL SLOPE
NATURAL DRAINAGE
DRAINAGE CHANNEL
BEGIN CHANNEL
EL 5304
SPOT ELEVATION OF COMPLETED LANDFILL
CONTOUR LINE EXISTING FILL 2' INTERVAL
CROSS SECTION LOCATION
THE EXISTING CONTOURS SHOWN ON THIS MAP HAVE BEN OVERLAIN ON THE VECTOR ENGINEERING, INC. FINAL GRADING PLAN FOR THE LANDFILL DATED AUGUST 1, 1997. REFERENCES SHOWN ON THIS SHEET ARE FOR THE VECTOR ENGINEERING PLANS.
0
200
400
600
SCALE: 1" = 200'
MILLARD COUNTY
FILLMORE CLASS IV LANDFILL
AS BUILT PLAN OF EXISTING CONTOURS
WALL ENGINEERING, INC
1 OF 1
1" = 200'
5



NOTE: SEE FIGURES 4 AND 5 FOR CROSS SECTION LOCATION.

SCALE:
HORIZONTAL: 1" = 60'
VERTICAL: 1" = 10'

VECTOR ENGINEERING, INC
Carson City, NV • Grass Valley, CA • El Dorado Hills, CA

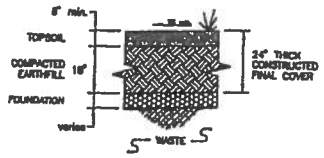
JOB NO. 945013.02 APPR: CEN DATE: 8/1/97

CROSS SECTION A–A'

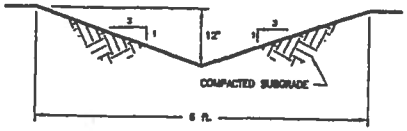
FILLMORE CLASS IV LANDFILL
MILLARD COUNTY, UTAH

FIGURE 6

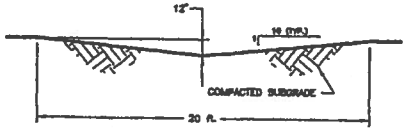
I:\945013.02\fltxsec.dwg



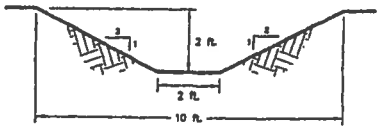
FINAL COVER (A / 5,8) N.T.S.



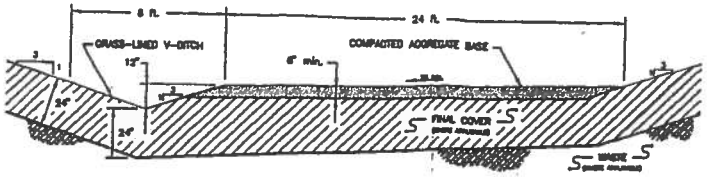
GRASS-LINED V-DITCH (B / 5,9) N.T.S.



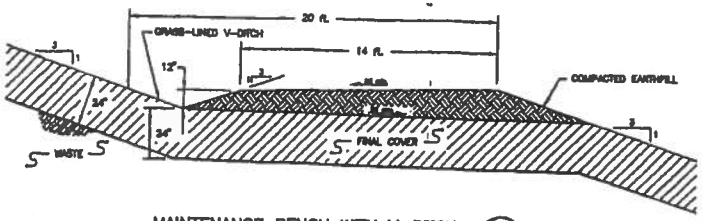
DRAINAGE SWALE (C / 5,9) N.T.S.



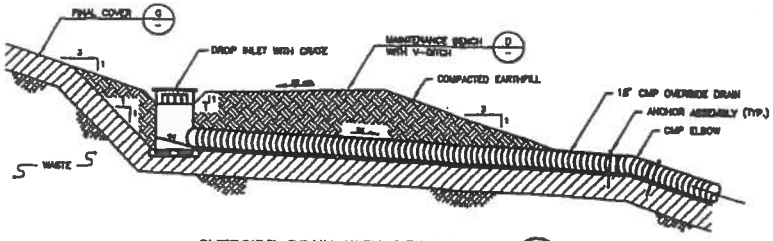
RUN-ON DIVERSION CHANNEL (D / 5,8) N.T.S.



ACCESS ROAD (E / 5) N.T.S.



MAINTENANCE BENCH WITH V-DITCH (F / 5,9) N.T.S.



OVERSIDE DRAIN WITH DROP INLET (G / 5,9) N.T.S.

9

J:\945013.02\fldetail.dwg @ 1"=200'

VECTOR ENGINEERING, INC
Carson City, NV • Grass Valley, CA • El Dorado Hills, CA

JOB NO. 945013.02 APPR. CEN DATE: 8/1/97

DETAILS

FILLMORE CLASS IV LANDFILL
MILLARD COUNTY, UTAH

FIGURE 7

Attachment 2

2.0 PLAN OF OPERATION

Millard County is submitting the following Plan of Operation for a Class IVb solid waste disposal facility at the Fillmore Landfill, as required by the general provisions for solid waste disposal defined in UAC R315-310-3 and R315-302-2(2). This Plan of Operation presents the general procedures for handling of various types of wastes which are either prohibited or accepted for disposal at the facility; the intended schedule of landfill construction, inspections and maintenance; fire control and contingency plans in the event of a fire or explosion; litter prevention; procedures for controlling disease vectors; general training and safety plan for site personnel; and, other information pertaining to the operation and maintenance of the facility. Information related to closure construction, post-closure maintenance care, and financial assurance is presented in Sections 4.0, 5.0 and 6.0, respectively, of this permit application.

2.1 Construction Schedule

The Fillmore Landfill utilizes the area fill method for solid waste disposal. As discussed in Section 1.4, above, waste placement at the landfill currently takes place at the westernmost portion of the site. Waste has historically been placed within the topographic boundaries of a northwest-trending ravine that crosses the western quarter of the site. A flat, elevated pad extending from the main road has been built up over time; waste accepted for disposal is compacted on the west-facing slope, resulting in a fill that progresses westward. Soil cover is obtained from an on-site borrow source located to the east of the main access road. An upper access road provides a separate site entrance and access to the dead animal disposal pit. Existing site condition, including the location of in-place waste and temporary stockpiles, is presented on Figure 4, Existing Facilities Plan (Appendix 1).

Once the current lift reaches its western limits, waste placement will commence against the eastern slope of the existing soil borrow area. Fill will then progress to the west and north with a 10-foot high lift over the top deck of the existing waste disposal area. Daily cover will be obtained by expanding the soil borrow area north of the existing pit. Following completion of the lift, another lift will then be constructed against the eastern slopes of the cell and progress in the same fashion as the previous until final grades are reached. The proposed final grades are

presented on Figure 5, Final Grading Plan (Appendix 1). The maintenance bench, access road, and drainage facilities will be constructed during the operational life of the facility as the appropriate grades are reached during fill progression.

When waste fill in the western portion of the site reaches the crest defined by the eastern fence line and upper access road, waste placement will then progress toward the east and north. Site operations will continue utilizing the area fill method of disposal. The existing upper access road will provide site access for future disposal areas once facility operations are completed in the western portion of the site and are relocated to the east. The eastern portion of the site will be completed in the same manner as that in the western portion, with a series of 10-foot high lifts that progress from the southwest toward the northeast. The low ridge located at the northeastern corner of the site will be excavated over time to provide additional disposal capacity and a source for cover soil. The limits of excavation are identified on Figure 4, Existing Facilities Plan, and Figure 6, Cross Section A-A' (Appendix 1).

Given the current waste disposal rate and growth projections discussed in Section 1.5 of this document, and assuming a waste-to-soil cover ratio of approximately 10:1, the remaining site life and construction schedule of individual disposal lifts can be calculated. The projected remaining volume in the current lift is approximately 27,000 cubic yard, which will require approximately 7 years to complete. Therefore, construction of the 10–foot lift over the current disposal area is expected to commence sometime in the year 2025. With an estimated 185,000 cubic yards available for disposal, the subsequent lift extending from the eastern edge of the existing soil borrow pit west over the top deck of the existing waste disposal area is expected to continue receiving waste until the year 2046. A table presenting the loading rate calculations is included in Appendix 3.

2.2 Hours of Operation

The hours for the Landfill are Monday, Friday, and Saturday 8:30 a.m. to 12:30 p.m. and 1:30 p.m. to 5:30 p.m.

The Landfill will be closed on all major holidays, including Christmas, New Year's Day, Thanksgiving and the day after, President's Day, Independence Day, Labor Day, Veteran's Day, Memorial Day, and Civil Rights Day. Signs will be posted at the entrance to the facility and will convey the hours of operation, owner and operator of the site, materials accepted and excluded, and fees charged.

2.3 Site Personnel and Equipment

UAC R305-303-5(2) requires at least one person on-site for landfills with a permitted capacity of less than 15,000 tons per year. The Fillmore Landfill will have one site attendant present during all hours of operation and one equipment operator, who will be on-site once a week, or as needed. The Landfill Operations Supervisor will periodically visit the site and will be available for consultation during operating hours. The Landfill Operations Supervisor is John Higgins, Supervisor of the Millard County Landfill. In the event of an emergency, Mr. Higgins should be notified. He can be reached at the following address and telephone numbers:

Millard County Class I Landfill
2250 S Highway 50
Delta, Utah 84624

Landfill: (435) 864-2297
Cell: (435) 253-0820

If Mr. Higgins is unavailable or if a situation requires further attention, the Sheriff's Office or the Fillmore Volunteer Fire Department should be notified by calling 911. Equipment currently utilized at the Fillmore Solid Waste Landfill includes a track dozer and a backhoe. If additional equipment is needed, it can be obtained from the Millard County Road Department or transported from the Millard County Landfill located in Delta, Utah.

2.4 Access Control

Pursuant to UAC R315-303-4(6a), and owner or operator shall provide fencing at the property or unit boundary, or use other artificial or natural barriers to impede unauthorized entry by the public and large animals. There is currently a lockable gate at the entry to the landfill. The landfill gate will be locked during all non-operating hours. An attendant will be on duty at the landfill during all operating hours. A perimeter fence has been installed along the full boundary of the disposal area, as delineated on the enclosed plan set (Appendix 1, Figure 4).

2.5 Waste Handling Procedures

Pursuant to UAC R315-302-2, the Plan of Operation provides for a description of on-site solid waste handling procedures during the active life of the facility. The waste accepted at the Fillmore Landfill is comprised of inert waste, construction and demolition debris, yard waste, and dead animals. Excluded wastes include, but are not limited to, industrial wastes, liquids, sewage sludge, hazardous materials, household and commercial wastes, contaminated soils, grease, and waste oils.

The quantity of incoming waste is visually estimated and recorded by landfill personnel stationed at the facility entrance. Daily logs of all incoming waste are maintained and will be entered into the operating record.

2.5.1 Construction and Demolition Debris

Construction and demolition (C&D) debris must be nonhazardous in order to be accepted; C&D debris includes items such as brick, rock, concrete, asphalt, and wall board. All C&D debris is deposited at the active disposal face and periodically compacted, separated, and covered with soil to prevent uncontrolled fires, rodent or vector harborage, and differential settlement.

2.5.2 Yard Waste

Yard waste is a general term used to refer to vegetative wastes, which may include cuttings from trees and brush, grass clippings, straw and hay, and waste from seasonal or special events. Grass clippings, leaves and similar wastes are disposed of with construction and demolition debris. Open burning of stockpiled tree limbs and woody yard waste will take place twice per year in accordance with Air Quality Rules Subsection R307-1-2.4((B)(5). Prior to any open burning, Millard County Solid Waste Department will obtain a permit from the Fillmore City Fire Department (Millard County Fire District) and the Millard County Sheriff's Office.

2.5.3 Dead Animals

Dead animals are deposited in a separate disposal area away from the active disposal face (Appendix 1, Figure 4). Dead animals are covered at the end of the operating day received with a minimum of six inches of soil. The location of the dead animal disposal trench is indicated at the landfill by a directional sign.

2.5.4 Tires

No tires are accepted at the Fillmore Class IVb Landfill effective March 10, 2003.

2.6 Prohibited Waste Exclusion Program

Wastes which are prohibited from disposal at the Fillmore Landfill include, but are not limited to, industrial wastes, liquids, sewage sludge, hazardous materials, household and commercial wastes, contaminated soils, grease trappings, and waste oils. Pursuant to UAC R315-303-5(7), and owner or operator shall not knowingly dispose, treat, store, otherwise handle hazardous waste or waste containing polychlorinated biphenyl (PCB). An owner or operator of a landfill shall include and implement as part of the plan of operation a plan that will inspect loads or take other steps, as approved by the Director, which will prevent the disposal of hazardous waste or waste containing PCB' s. These procedures include random load inspections, records of maintenance, training of facility personnel, handling procedures for hazardous and PCB wastes, and notification of the solid waste management authority.

2.6.1 Random Inspection of Incoming Loads

Each incoming load will be visually inspected by the landfill attendant to identify the nature of the waste intended for disposal and to estimate the total volume of the load. Incoming loads will be randomly selected for a more detailed inspection by the landfill attendant who will be trained and qualified to identify regulated hazardous waste or PCB waste. Selected loads will be discharged near the active disposal area, spread with a dozer, and inspected for free liquids and hazardous or PCB wastes. Loads which are suspected of containing a high liquid content will be tested on-site by Environmental Protection Agency (EPA) Method 9095, paint filter test. All on-site employees know how to conduct the paint filter test. Any loads failing the test will be rejected. When a load is suspected of containing unacceptable materials, a load inspection and decision determining whether the suspect material can be accepted for disposal may be made according to the following procedure:

- the waste will be unloaded in an area near, but not immediately adjacent to, the active face;
- 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 not easily identifiable, such as unmarked 55-gallon drums, will be separated if a visual inspection determines that movement will not cause the drum to rupture, and will be opened and inspected only by properly trained personnel, and;
- if the waste is determined to be acceptable, it may be transferred to the working face for disposal.

Tests for characteristics of hazardous wastes typically include TCLP (Toxicity Characteristic Leaching Procedure (US EPA) and tests for corrosiveness, flammability, and reactivity. Until proven otherwise, wastes that are suspected of being hazardous are handled and stored as a hazardous waste. If waste temporarily stored at the site is determined to be hazardous, and the origin of the waste is unknown, the operator will immediately contact the Fillmore Volunteer Fire Department, which will be responsible for the proper management of the waste. If the hazardous waste is to be transported from the facility, it must be stored at the landfill in accordance with requirements of a hazardous waste generator, manifested, transported

by a licensed transporter, and disposed of at a permitted treatment, storage, or disposal (TSD) facility.

2.6.2 Records of Inspection

Records of random load inspections will be maintained in the facility operating records and made available to Utah Department of Environmental Quality (UDEQ) upon request. The "Daily Activity Log" form, contained in Appendix 4, will be used to record information obtained during each inspection. Inspection records will include, but are not limited to the 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, and rationale for rejection.

2.6.3 **Training of Facility Personnel**

All facility personnel will be trained in the identification of containers and labels typically used for hazardous and PCB wastes. Training for hazardous material screening procedure will address hazardous waste handling, safety precautions, and record keeping requirements. Documentation of personnel training will be included with the operation records for the facility.

Safety/Training meetings are held on a monthly basis and solid waste inspectors attend SWANA (Solid Waste Association of North America) training courses as offered through the state organization.

2.6.4 Procedures for Handling Hazardous and PCB Waste

If primary load inspections reveal the presence of regulated quantities of hazardous or PCB wastes on incoming haul vehicles, the landfill attendant will refuse to accept the load and UDEQ will be notified. If regulated quantities of hazardous or PCB wastes are identified during secondary load checks, random inspections, or at any other time, and cannot be traced to the original hauler, the Fillmore Volunteer Fire Department will be notified. The Fillmore Volunteer Fire Department, acting as the first responder for hazardous materials, will implement their Hazardous Materials Response Plan. Any subsequent activities related to the waste load, including transportation, storage, and containment will be managed by the Fillmore Volunteer Fire Department. Landfill personnel will participate in these activities only as directed by the fire department. Following notification, it will be the responsibility of the fire department to ensure that the hazardous materials are handled, stored, or transported in accordance with applicable federal and state regulations.

In the event that PCB wastes are identified on-site, the Fillmore Volunteer Fire Department or Millard County Regional Landfill personnel will temporarily store and ensure disposal of the waste as required by 40 CFR Part 761, while completing the following activities:

- an EPA PCB identification number will be obtained;
- the PCB waste will be properly stored until transport;
- the containers will be properly marked with the words "Caution: Contains PCB's," and;
- the container will be manifested for shipment to a permitted disposal facility

If waste is transported off-site by a hazardous waste disposal company, a provisional or one-time U.S. EPA identification number will be obtained, the waste will be packaged according to applicable Department of Transportation regulations, and the container will be properly transported and manifested to its point of destination. Proper chain of custody and manifest documents will be obtained from the hazardous materials disposal facility in order to maintain compliance with all applicable federal and state regulations.

2.6.5 Notification of the Solid Waste Management Authority

The landfill operator will notify UDEQ within 24 hours if suspected hazardous materials or PCB wastes are discovered at the landfill. A record of notification will be submitted to UDEQ which identifies the date and time of discovery, type of material (if possible without analytical testing), probable hauler, an estimate of the quantity of material, 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.

2.7 Environmental Monitoring Systems

UAC R315-303-4 and R315-305-2 state that owners or operators of a Class IV solid waste landfill must design, construct, and maintain run-on and run-off structures to control the peak discharge from a 24-hour, 25-year storm event. Drainage areas and run-off patterns at the site through final closure, details of the structures used for run-on and run-off control, and engineering design calculations used to determine flow volume and appropriate sizes of drainage structures are contained in the Engineering Report for the Fillmore Landfill. The report is included in this *Application for Renewal of a Permit to Operate* the site, and is maintained in the operating record for the landfill.

Construction of the surface water control devices described in the Engineering Report, in conjunction with dry waste management practices, daily cover, and compaction of solid wastes, and the application of daily and interim cover, increases the protection of waters of the State from a discharge of pollutants or contaminants during landfill operation. The surface water control devices and operational practices will be modified if it is determined that discharges from the site contain pollutants or contaminants which may degrade waters of the State.

2.8 Nuisance Control

The Fillmore Landfill will be operated in a manner which does not create odors, unsightliness, or other nuisances. The working face will be kept as narrow as possible while remaining consistent with safe and efficient equipment operation. Bulky waste material will not be used for the final surface of side slopes. During construction of each disposal cell, waste will

be spread into layers not exceeding two feet in thickness, and compacted (if possible) with appropriately-sized equipment. The equipment will make a minimum of two passes over each waste layer.

Pursuant to UAC R315-303-5(4), a minimum of six inches of compacted earthen material will be used to cover the solid waste at a frequency which is sufficient to prevent the uncontrolled migration of fires. However, six inches of cover material will be spread over the exposed waste surface no less than once per week. If necessary, waste will be covered more frequently to control disease vectors, fires, odors, and litter. If a fill surface other than a final fill surface is not expected to receive waste for a period of time in excess of 90 days, an intermediate cover will be placed on that surface. Intermediate cover will be a layer of native soil with a minimum thickness of 12 inches. The integrity of daily and intermediate cover will be maintained until filling is resumed or final cover is constructed. Routine visual inspections of the cover material will be made, and all erosion surfaces, cracks, and depressions will be repaired as soon as is practicable. Both daily and intermediate cover will be uniformly graded to promote drainage of surface water. All slopes will have a grade of not less than three percent.

2.8.1 Vector Control Program

Pursuant to UAC R315-303-4(2)(g), appropriate control and prevention of disease vectors at the Fillmore Landfill will be used for the protection of public health and safety. Control and prevention are accomplished using techniques appropriate for the protection of public health and safety and the environment. Compaction and grading of waste at the active face prevents vector harborage in the waste mass. A minimum of six inches of cover material is applied to the working face at least once each week. This waste management practice assures minimum exposure of wastes to potential disease vectors by reducing available entry space, food sources, and nesting locations. Rodent populations may be controlled by the use of poisons, smoke devices, or sonar techniques, if necessary.

Insect breeding areas, which may develop in areas of stagnant water or putrescible wastes, will be addressed as discovered. The presence of standing water at the facility will be minimized through the uniform grading of fill surfaces and the installation of a drainage control system. The accumulation of fluids in the waste mass will be minimized by the restriction of liquid wastes accepted at the landfill. Putrescible wastes, such as dead animals, are placed in a separate disposal area and covered immediately upon disposal, thereby limiting the likelihood of disease transmission. If insect infestations occur in spite of these measures, approved insecticidal sprays or other methods may be employed.

2.8.2 Erosion and Dust Control

Completed portions of the landfill will be configured and maintained as described in the closure and post-closure plans contained in Sections 4.0 and 5.0 of this *Application for Renewal of a Permit to Operate* the site. Construction of a graded and compacted final cover, and subsequent revegetation, will help prevent erosion, surface deterioration, and fugitive dust generation. A water truck will be available on an as-needed basis to apply water to site roads and disturbed surfaces on the landfill property to control fugitive dust emissions.

2.8.3 Litter Control Program

Litter control measures will be implemented at the Fillmore Landfill in order to prevent scattering of lightweight debris. The primary control measure will include compaction and covering of waste. If necessary, portable litter fences will be placed downwind and within 100 feet of active disposal areas. Litter collection will be performed on an as-needed basis by landfill personnel or contracted day laborers.

2.8.4 Scavenging/Salvaging

Scavenging and salvaging at the Fillmore Landfill are prohibited in all areas of the facility. This provision is enforced through the use of access control measures, perimeter fencing, and employee diligence.

2.9 Site Inspections

The landfill attendant will conduct daily site inspections for litter, scattered paper, and other lightweight debris. All recovered waste is returned to the active fill area for proper disposal. Quarterly site inspections will be performed and will include a visual inspection of drainage control systems, fill surfaces, perimeter fencing, and site equipment and structures. Quarterly inspection reports will be entered into the operating record for the facility. A copy of the quarterly inspection form is included in Appendix 4.

2.10 Contingency Plans

UAC R315-302-2(d, f, j) requires the development of contingency plans to be implemented in the event of an 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.

A general emergency operations plan has been developed for Millard County. In addition, the 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.

A cellular phone will be maintained at the landfill gatehouse and will enable contact with the appropriate outside services in case of an emergency. In the event of an injury and depending on the severity of an injury, workers may either treat themselves, call the Fillmore Volunteer Fire Department, or summon an ambulance. The injured worker is given discretion regarding whom to call and at what point. First aid kits will be maintained in the gatehouse and in all County landfill vehicles. The Landfill Operations Supervisor or the Landfill Office Manager will be notified in the event 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 an incident report form and record the date, time, type of injury, actions taken,

response time of the emergency management service, and the time at which the individual was evacuated from the site.

2.10.1 Equipment Breakdown

In the event of equipment breakdowns which cannot be repaired by the County Landfill Department, a commercial repair facility will be contacted. Backup equipment will be provided by the Road Department or the Delta Landfill within 24 hours if necessary; therefore, 24 hours is considered to be the maximum anticipated down time due to equipment failure. Additionally, auxiliary equipment may be leased from a private contractor as required, or borrowed from other County departments.

2.10.2 Fire or Explosion

On-site personnel are prepared to provide immediate fire suppression in the event of a waste 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 Fillmore Volunteer Fire Department will be contacted. The Fire Department is located in central Fillmore, approximately two miles from the landfill; estimated response time is approximately 10 minutes. On arrival at the facility, the Fire Department will assume responsibility for continued fire abatement activities.

2.10.3 Environmental Releases

The Fillmore Volunteer Fire Department will be called immediately and will act as the first response team in the event of hazardous or toxic material discharges at the Fillmore Landfill. On arrival at the facility, the fire department will assume responsibility for subsequent activities related to the safe handling of the discharged material. Landfill personnel will not handle hazardous material spills, except under the direct supervision of the Fire Department or the emergency management team. The landfill attendant will ensure the safe evacuation of all

employees and the public. Advanced planning of emergency exit routes is the responsibility of the operator. All employees will be regularly appraised of established primary and secondary exit routes.

2.10.4 Facility Shutdown

In the unlikely event of an emergency which requires the short term closure of the landfill, several options are available. Waste haulers may be temporarily diverted to the Fillmore collection site or the Millard County Landfill, located six miles east of Delta, Utah. Additional 40-cubic yard debris boxes may be acquired to accept additional waste volumes at waste collection points within the service area. In the event that the landfill is unable to accept waste for an extended period of time, long-hauling the waste to the Millard County Landfill or another waste disposal facility will be implemented.

2.11 Personnel Training

Personnel will receive training in landfill operations at regularly scheduled safety meetings. Training of landfill personnel will be a continuing process including landfill operations, basic first aid, and safety training. Basic safety and first aid training will be conducted on an annual basis. At least one employee with CPR and first aid training will be available during all operating hours. Waste inspectors attend SWANA training courses as offered through the state organization.

2.12 Record Keeping

The operation of the Fillmore Landfill is considered to be approved by UDEQ upon issuance of a permit to operate. The following information will be recorded and maintained in the operating record for the Fillmore Landfill, at the gate house and/or the Millard County Offices in Delta:

- records of inspections, training of personnel, and procedures for notifications to UDEQ relating to hazardous waste required by UAC R315-302-(5);
- plans for closure and post-closure and any monitoring, testing or analytical data required by UAC R315-302-3 and R315-302-2 and,

- documentation of cost estimates and financial assurance required by UAC R315-309.

Because leachate collection and ground water monitoring systems are neither installed nor planned for installation at the Fillmore Landfill, documentation related to these systems will not be kept. The records of documentation related to the plans for closure and post-closure are included in this *Application for Renewal of a Permit to Operate,* and therefore have been included in the operating record. The records of inspections, personnel training, and hazardous waste notifications, as well as any monitoring required during closure or post-closure activities, will be entered into the operating record as the information is developed. UDEQ will be notified when new documentation has been placed in or added to the operating record. All information will be made available to UDEQ upon request. Reports of the quantity of solid waste received at the Fillmore Landfill will be submitted to UDEQ on an annual basis on forms supplied by UDEQ.

Attachment 3

MILLARD COUNTY LANDFILL
Daily Activity Log

DATE	TIME	INSPECTOR INITIALS	DRIVER'S NAME	DRIVER'S INITIALS	VEHICLE LICENSE	ESTIMATED WASTE VOLUME	RANDOM CHECK	OBSERVATIONS, DESCRIPTION OF REJECTED LOAD, REASON FOR REJECTION, VARIATIONS FROM OPS PLAN

FILLMORE CLASS IVb LANDFILL
RECORD OF RANDOM INSPECTION

DATE	TIME	INSPECTOR	LICENSE #	DRIVER'S NAME	MAKE/MODEL	ACCEPTED MODEL	UDEQ NOTIFIED?	UDEQ CONTACT

LOAD DESCRIPTION:

IF REJECTED, RATIONALE FOR REJECTION:

ACTIONS TAKEN:

FILLMORE CLASS IVb LANDFILL
QUARTERLY / PERIODIC INSPECTION LOG

DATE	TIME	INSPECTOR	OBSERVATIONS	RECOMMENDED ACTIONS	DATE COMPLETE

LANDFILL ANNUAL REPORT

For Calendar year 2017

Administrative Information (Please enter all the information requested below - type or print legibly)

Facility Name:_____

Facility Mailing Address:_____
(Number & Street, Box and/or Route)

City:_____ Zip Code:_____

County:_____ Permit No.:_____

Owner

Name:_____ Phone No.:(___)_____

Mailing Address:_____
(Number & Street, Box and/or Route)

City:_____ State:Utah_____ Zip Code:_____

Contact's Name:_____ Title:_____

Contact's Mailing Address:_____

Phone No.:(___)_____ Contact's Email Address:_____

Operator *(Complete this section only if the operator is not an employee of the Owner shown above)*

Name:_____ Phone No.:(___)_____

Mailing Address:_____
(Number & Street, Box and/or Route)

City:_____ State:Utah_____ Zip Code:_____

Contact's Name:_____ Title:_____

Contact's Mailing Address:_____

Phone No.:(___)_____ Contact's Email Address:_____

Facility Type and Status

☐ Class I ☐ Class IIIb ☐ Class V
☐ Class II ☐ Class IVa ☐ Class VI
☐ Class IIIa ☐ Class IVb

Facility operates separate cells for C/D and municipal waste. Yes ☐ No ☐

If facility was permanently closed during the year enter date closed:_____

Annual Disposal

Total tons received at facility for disposal:

Waste Type	Waste Origin: In-State	Waste Origin: Out-of-State	Total	Measurement: Tons	Measurement: Cubic Yards
Municipal	_____	_____	_____	☐	☐
Industrial	_____	_____	_____	☐	☐
C/D[1]	_____	_____	_____	☐	☐

[1]C/D waste includes all waste going to a Class IV or VI landfill cell

Conversion Factor Used

☐ None ☐ From rules ☐ Site Specific Conversion (please list):_____

Recycling

Material Recycled:_____ Tons ☐ Cubic Yds. ☐
(Material recycled should not be included in disposed tons reported. Report compost on separate form. Circle tons or yards)

Utah Disposal Fee

Disposal Fee Required to be Paid to State Yes ☐ No ☐ (If yes please show fees paid below)

Municipal	$_____	C/D	$_____
Industrial	$_____	Annual	$_____

(Municipal, Industrial and C/D are fees paid by Commercial Facilities. Annual fee is paid by facilities operated by a municipality)

Landfill Capacity

Current Landfill Remaining Capacity

Tons:_____ Cubic Yards:_____

Years:_____ Acres:_____

Acres Currently Open:_____ Acres Currently Closed:_____

Financial Assurance

Current Closure Cost Estimate:_____

Current Post-Closure Cost Estimate:_____

Current Amount or Balance in Mechanism:_____

(If facility permit has been renewed if balance does not equal or exceed total for closure and post-closure care please contact the Division)

Current Financial Assurance Mechanism:_____

(ie. Bond, Trust Fund, Corporate or government Test etc.)

Mechanism Holder and Account Number:_____

(ie. Name of Bond Company, Bank etc. Account number)

Financial Assurance: Each facility must recalculate the cost of closure and post-closure care to account for inflation and design changes each year. The inflation factor can be found on the Division web page. Facilities that are using a trust account should include a copy of the most recent account statement.

Note Facilities using "Local Government Financial Test" or the "Corporate Financial Test" must provide the information required in R315-309-8(4) or R315-309-9(3) each year.

Other Reports and Information

Ground Water Monitoring: Class I and V landfills only. Check if exempt ☐

Explosive Gas Monitoring: Class I, II and V landfills only. Check if exempt ☐

Training Report: A report of all training programs or procedures completed by facility personnel during the year.

Does the facility have a landfill gas collection system Yes ☐ No ☐ If yes please briefly describe use of gas, e.g., flared or used for electricity generation. _____

Signature:_____ **Date:**_____

Signature should be by an executive officer, general partner, proprietor, elected official, or a duly authorized representative. A duly authorized representative must meet the requirements of the solid waste rules (UAC R315-310-2(4)(d)).

Print name:_____ Title:_____

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 Signature *Date*

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

Training Officer, Instructor, or Supervisor *Date*

Millard County Landfill

Meeting Agenda

Meeting TitleLandfill Safety Meeting	**Landfill Safety Meeting**	**Start Time**	
		Stop Time	
Date		**Place**	

PERSONS ATTENDING

1		2	
3		4	
5		6	
7		8	
9		10	
11		12	

TOPICS OF DISCUSSION

		X
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

MEETING NOTES

Attachment 4

- As described in Section 3.2, the Fillmore Class IVb Landfill has been designed to collect and control the run-on and run-off resulting from a 25-year, 24-hours storm event as per Section R315-305-4(3).
- As required by Section R315-302-2(3) and described in the Plan of Operation, the landfill attendant will record estimates of the incoming volumes and types of waste disposed of at the site.
- Millard County will comply with UAC R315-302-2(6) as described in Section 1.6 of this report regarding notations to the deed to the landfill property.
- The operation of the Fillmore Class IVb Landfill meets with the requirements for operation, established by R315-305-3, as described by the Plan of Operation in Section 2.0 of this permit application.
- The landfill will be closed in accordance with the Closure Plan described in Section 4.0 of this application.

4.1 CLOSURE PLAN

This Closure Plan has been prepared for the Fillmore Class IVb Landfill in accordance with UAC R315-302-3. Closure of the landfill will be performed in accordance with this plan, and in such a manner as to:

- minimize the need for further maintenance;
- minimize or eliminate threats to human health and the environment from post-closure escape of solid waste constituents, leachate, landfill gases, contaminated run-off or waste decomposition products to the ground, ground water surface water, or the atmosphere; and,
- adequately prepare the facility for the post-closure period.

This plan and any future alterations or amendments to this plan will be maintained with the operations plan for the facility at the Millard County Offices in Delta, Utah.

4.1 Closure Construction

The final cover will be constructed in accordance with UAC R315-305-5(5)(b)(ii). The final cover will consist of two feet of compacted native soil. Of these two feet, the upper six inches will be topsoil or other suitable soil which is capable of sustaining native plant growth. The final cover will be revegetated with native plants and grasses according to a plan developed or recommended by a representative of the U.S. Department of Agriculture Natural Resources Conservation Service (NRCS) representative, and graded to prevent ponding and minimize infiltration of run-off waters.

Based on the vertical and lateral expansion design presented in the drawing set in Appendix 1, Millard County will perform final cover placement at the end of the active life of the landfill. Closure activities will be initiated when the development of the site reaches the final design elevations illustrated on attached Figure 5 (Appendix 1). As a result, the size of the area to be closed will encompass only the 0.4 acres located inside the fenced area along with the 0.25 acres outside the fence which is being used for dead animal disposal. All equipment which will not be used on-site during the post-closure period will be removed. Structures at the site which remain after the final receipt of waste, and which will not be an integral part of post-closure site maintenance, will be removed from the site. Any soil contamination remaining after the final receipt of waste will be removed, treated, or disposed of according to applicable regulation. Following the final receipt of waste, any remaining stockpiles of recyclable or other stored materials will be removed from the site.

Rough contouring will be performed throughout the life of the site during daily operation. Following the general site cleanup described above, final contouring will be performed using waste and native soils to establish a suitable foundation for final cover construction. The site will be surveyed to establish base elevations for closure cap construction. After final grading of the foundation layer, the final cover layer will be constructed. Following the placement and compaction of a minimum of two feet of native soil, the landfill will again be surveyed to verify the final thickness of the final cover layer. As described above, the upper six inches of the final cover layer will be comprised of topsoil or a comparable soil which is capable of sustaining native plant growth. Following placement of the final cover, the top several inches of soil will

be scarified and then seeded or hydroseeded with a seed/fertilizer mixture designed or recommended by a representative of the Natural Resources Conservation Service (NRCS).

Drainage channels have been designed and will be constructed to accommodate the flow from a 25-year, 24-hour storm event. Much of the drainage system construction will be accomplished throughout the active life of the facility. Any drainage system construction which remains after the final receipt of waste, such as along the maintenance bench on the west slope of the waste mass, will be completed following the installation of the final cover described above. Interior and exterior perimeter drainage or drainage diversions will be constructed as defined in Section 3.2 and illustrated on Figure 5 (Appendix 1). The drainage will assist in maintaining the integrity of the final cover and preventing a washout of waste due to uncontrolled run-off during precipitation events.

4.2 Closure Schedule

At least 60 days before the projected final receipt of waste, Millard County will notify the Executive Secretary of the intent to close the Fillmore Class IVb Landfill and implement the closure plan. Within thirty days after the final receipt of waste, Millard County will implement the approved closure plan. The closure activities described in this plan will be completed within 180 days of initiation. Following the completion of closure activities, Millard County will submit to the Executive Secretary a set of as-built drawings of final closure construction.

4.3 Site Capacity

The area-fill method of disposal is utilized at the Fillmore Class IVb Landfill. Current operating plans are to continue filling in the northwest corner of the site until the area reaches the level of the existing waste mass to the east. Filling will then commence against the east wall of the current soil borrow pit and continue north and west as the borrow pit is expanded to the northern limit of waste placement. This second waste lift will be approximately 10 feet thick and will be completed from the eastern wall of the existing borrow pit to the extreme western waste slope. The life of the entire site is expected to be considerably more than 50 years. As a result, a rough volume estimation was done for the completion of the existing waste lift to the

northwestern corner and the subsequent lift from the eastern wall of the soil borrow pit to the western waste boundary. In order to estimate the expected life of these two lifts, the following assumptions were made:

- total incoming waste volume is estimated at 8 cy per day;
- 50% of the incoming waste is diverted from disposal through burning or recycling;
- total landfilled waste is estimated at approximately 8.6 cy per day, 156 days per year;
- remaining volume of the existing waste lift is 26,100 cy;
- disposal volume of second lift is approximately 185,000 cy (1,000'L x 500' W x 10' D);
- waste to soil ratio is approximately 10:1; and,
- average annual growth projections for Millard County are estimated at 0.75% (Stansbury, 1993).

Loading rate calculations based on these assumptions are included in Appendix 3. Twelve-year growth projections for the county were obtained from the Millard County Solid Waste Management Plan (Stansbury, 1993) and applied into the future. The calculations indicate that the remaining portion of the existing waste lift will provide approximately 26,100 cubic yards of waste disposal lasting into the year 2025. The subsequent 10-foot lift extending from the east wall of the existing borrow pit to the western waste slope will provide an additional disposal volume of approximately 185,000 cubic yards and waste disposal into the year 2046. Based on this data, it is reasonable to predict a conservative site life of well over 50 years.

4.4 Final Inspection

Following the completion of closure activities, a final report will be prepared and entered into the operating record of the facility. The report will summarize laboratory and field test data which support the conformance of the final cover installation and closure activities with the Utah solid waste regulations and the approved Closure Plan. The report will also include as-built construction drawings. The Executive Secretary will be notified of the completion of closure activities and arrangements will be made for a final inspection by UDEQ. Following final approval by UDEQ, the post-closure maintenance plan will be initiated pursuant to the approved Post-Closure Plan, outlined in Section 5.0 of this permit application.

4.5 Closure Construction Cost Estimate

The closure cost estimate, detailed in Table 4.1 (See Tables), has been prepared by Sunrise Engineering, 25 East 500 North, Fillmore, Utah 84631, Telephone: (435) 743-6151, Licensed Professional Engineer Zane W. Pentz, No. 186879. It is estimated that .4 acres will be closed. The cost estimate is based on the assumption that an outside contractor will perform the construction tasks and has been prepared using reasonable estimates of unit costs based on 2018 dollars. Millard County has established a trust fund account with the State of Utah Treasurer's Office. The trust fund will provide financial assurance for closure construction and post-closure maintenance at the Fillmore Class IVb Landfill.

5.0 POST-CLOSURE PLAN

The Post-Closure Plan has been developed in accordance with UAC R315-302-3. Post-closure care and maintenance of the Fillmore Class IVb Landfill will be performed in accordance with this plan, which provides for continued facility maintenance. The design of the Fillmore Class IVb Landfill does not include a gas monitoring, ground water monitoring or leachate collection system; therefore, the post-closure plan does not include provisions for gas or ground water monitoring. The office listed below may be contacted during the post-closure period regarding issues which concern the landfill property:

Millard County Offices
71 South 200 West
Post Office Box 854
Delta, Utah 84624
(435) 864-1400

5.1 Monitoring of Environmental Systems

This permit application is submitted without provisions for ground water monitoring, surface water monitoring, or leachate collection or treatment systems. Exclusion of these items is based on the classification of the landfill as a Class IVb waste disposal facility.

5.2 Maintenance Activities

5.2 Maintenance Activities

Following closure of the Fillmore Class IVb Landfill, the final cover and drainage systems will be inspected at least annually by personnel from Millard County. The final cover and drainage system will be examined for the effects of erosion, subsidence, settlement, or other events which may compromise the integrity of the final cover or the effectiveness of the drainage system. Necessary repairs will be completed as soon as is practicable following each inspection in order to maintain the effectiveness of the drainage system and restore the integrity of the final cover. The site perimeter fence will also be inspected during annual inspections.

5.3 Post-Closure Schedule

Post-closure activities will be initiated immediately following the completion of the closure activities described in Section 4.0 of this application. Post-closure activities will continue for a period of thirty years or a period established by the Executive Secretary. If post-closure monitoring activities indicate that the site has stabilized and does not pose a threat to human health or the environment, Millard County may petition the Executive Secretary for a decrease in the length of the post-closure monitoring period.

Upon completion of post-closure monitoring activities as determined by the Executive Secretary, Millard County will submit to the Executive Secretary a certification, signed by a County representative, which states why post-closure activities are no longer necessary. Following final approval by the Executive Secretary, post-closure monitoring activities will be discontinued.

5.4 Record Modifications

Within 60 days after the completion of all closure activities, plats and a statement of fact concerning the location of any disposal site shall be recorded as part of the record of title with the County Recorder. The notation will serve to notify any potential purchaser of the property that the land has been used as a landfill, and that its use may be restricted by local land use or zoning regulations. Millard County will notify the Executive Secretary that the deed notation has been recorded.

5.5 Post-Closure Cost Estimate

The post-closure cost estimate, detailed in Table 5.1 (See Tables) has been prepared utilizing Appendix G of the Utah State Solid Waste Permitting and Management Rules. Some of the assumptions used to derive the cost estimate included annual inspection of the integrity of the final cover and general site condition and hiring a third-party to perform the inspections. The cost estimate for annual post-closure care is presented in detail in Table 5.1, and is based on 2018 dollars. A ten percent contingency has been built into the cost estimate. Millard County has established a trust fund account with the State of Utah Treasurer's Office. The trust fund will provide financial assurance for closure construction and post-closure maintenance at the Fillmore Class IVb Landfill.

6.0 FINANCIAL ASSURANCE

The current Closure Cost Estimate with inflation is:	$20,241.00
The current Post Closure Cost Estimate with inflation is:	$98,074.00
Total:	$118,315.00

The *PTIF Financial Assurance* trust fund account # 2528 is in place with a current balance of $125,205.99.

Table 4.1

Project: **MILLARD COUNTY**
FILLMORE CLASS IV LANDFILL

SUNRISE

CLOSURE COST ESTIMATE

Date: April 5, 2018

MILLARD COUNTY FILLMORE CLASS IV LANDFILL CLOSURE COST ESTIMATE

Based on Oklahoma Department of Environmental Quality 2010 Worksheet for Calculating Closure and Post-closure Cost Estimates table H.2 as Provided in the Utah Division of Solid and Hazardous Waste Solid Waste Management Program, Preparation of Solid Waste Facility Closure and Post Closure Cost Estimates Guidance.

	Task/Service	Quantity	Units	Multiplier[a]	Unit Cost[b]	Subtotal	SOURCE	NOTES
1.0	PRELIMINARY SITE WORK							
a	Conduct Site Evaluation	1	Lump sum	1	$ 1,800.00	$ 1,800	a.	
b	Disposal of Final Wastes	N/A						
	Average Daily Flow	N/A	tons/day		$ -	$ -		
	Disposal Cost	N/A	tons/day	5	$ -	$ -		
c	Remove Temporary Buildings	1	Lump sum	1	$ 1,695.00	$ 1,695	a.	
d	Remove Equipment	1	Lump sum	1	$ 2,260.00	$ 2,260	a.	
e	Repair/Replace Perimeter Fencing	0	linear feet	0.25	$ 3.16	$ -	a.	
f	Clean Leachate Lines	N/A	Lump sum	1	$ 1,460.44	$ -	a.	
2.0	Monitoring Equipment							
a	Rework/Replace Monitoring Well(s)	N/A	VLF	0.25	$ 67.81	$ -		no monitoring equipment is installed per the original permit application,
b	Plug Abandoned Monitoring Well(s)	N/A	VLF	0.25	$ 27.14	$ -		
c	Rework/Replace Methane Probe(s)	N/A	VLF	0.25	$ 58.55	$ -		
d	Plug Abandoned Methane Probe(s)	N/A	VLF	0.25	$ 21.40	$ -		
e	Rework/Replace Remediation and/or Gas Control Equipment	N/A	Lump sum	0.05	$ -	$ -	a.	
3.0	CONSTRUCTION							
a	Complete Site Grading to Include On- and Off- Site Borrow Areas	0.4	acres	1	$ 2,680.00	$ 1,072	a.	
b	Construct Final Cap							
	Compacted On-Site Clay Cap or	1,987	cubic yards	1	3.50	$ 6,955	a.	
	Compacted Off-Site Clay Cap or	N/A	cubic yards	1	7.45	$ -		On-site material is used
	Install Geosynthetic Clay Liner Cap	N/A	square feet	1	0.47	$ -		On-site material is used
c	Contract Landfill Gas Venting Layer	N/A						not included in landfill
	Place Sand or	N/A	acres	1	34,183.10	$ -		not included in landfill
	Install Net and Geotextile	N/A	square feet	1	0.33	$ -		not included in landfill
d	Install Passive Landfill Gas Vents	N/A	acres	1	818.98	$ -		not included in landfill
e	Install Flexible Membrane Line	N/A	square feet	1	0.36	$ -		not included in landfill
f	Drainage Layer	N/A						not included due to exemption
	Place Sand or	N/A	acres	1	34,183.10	$ -		
	Install Net and Geonet	N/A	square feet	1	0.33	$ -		
g	Place On-site Topsoil	400	cubic yards	1	3.25	$ 1,300	a.	based on 6" layer over 7.6 acres
	Place Off-site Topsoil	N/A	cubic yards	1	15.78	$ -		
h	Establish vegetative cover, including on- and off-site borrow areas	0.4	acres	1	632.00	$ 253	a.	
4	Drainage/erosion control							
a	Construct Terraces	N/A	linear feet	1	8.26	$ -		
b	Construct Letdown Channels	N/A	linear feet	1	7.77	$ -		
c	Clean Perimeter Drainage Ditches	0	linear feet	0.5	6.30	$ -	a.	
5	Tasks Not Identified	N/A						
6	Subtotal					$ 15,334		
7	Administrative Services	1	Lump sum	0.10	15,334.30	$ 1,533	a.	
8	Technical and Professional Services	1	Lump sum	0.12	15,334.30	$ 1,840	a.	
9	Closure Contingency	1	Lump sum	0.10	15,334.30	$ 1,533	a.	
10		**TOTAL CLOSURE COST ESTIMATE**				**$ 20,241**		

a. Oklahoma Department of Environmental Quality as Provided in the Utah Division of Solid and Hazardous Waste Solid Waste Management Program, Preparation of Solid Waste Facility Closure and Post Closure Cost Estimates Guidance.

In providing opinions of probable construction cost, the Client understands that the Engineer has no control over costs or the price of labor, equipment or materials, or over the Contractor's method of pricing, and that the opinion of probable construction cost provided herein is made on the basis of the Engineer's qualifications and experience. The Engineer makes no warranty, expressed or implied, as to the accuracy of such opinions compared to bid or actual costs.

Table 5.1

Project: **MILLARD COUNTY**
FILLMORE CLASS IV LANDFILL

SUNRISE ENGINEERING

POST CLOSURE COST ESTIMATE

Date: April 5, 2018

MILLARD COUNTY FILLMORE CLASS IV LANDFILL POST-CLOSURE COST ESTIMATE

Based on Oklahoma Department of Environmental Quality 2010 Worksheet for Calculating Closure and Post-closure Cost Estimates table I.1 as Provided in the Utah Division of Solid and Hazardous Waste Solid Waste Management Program, Preparation of Solid Waste Facility Closure and Post Closure Cost Estimates Guidance.

	Task/Service	Quantity	Units	Multiplier[a]	COST/UNIT[b]	TOTAL COST	SOURCE	NOTES
1.0	Site Maintenance							
a	Site Inspections	2	Per Year	30	$ 528.00	$ 31,680	a.	
	Site Inspections	N/A	Per Year	8	$ 662.81	$ -	a.	
b	General Maintenance	1	Per Year	30	$ 1,568.00	$ 47,040	a.	
	General Maintenance	N/A	Per Year	8	$ 1,568.00	$ -	a.	
c	Remediation and/or Gas Control Equipment	N/A	Lump sum	0.3	$ -	$ -	a.	
2.0	Monitoring Equipment							
a	Rework/Replace Monitoring Well(s)	N/A	VLF	0.25	$ 68.24	$ -	a.	
b	Plug Abandoned Monitoring Well(s)	N/A	VLF	0.25	$ 27.14	$ -	a.	
c	Final Plugging of Monitoring Well(s)	N/A	VLF	1	$ 27.14	$ -	a.	
d	Rework/Replace Methane Probe(s)	N/A	VLF	0.25	$ 58.55	$ -	a.	
e	Plug Abandoned Methane Probe(s)	N/A	VLF	0.25	$ 21.40	$ -	a.	
f	Final Plugging of Methane Probe(s)	N/A	VLF	1	$ 21.40	$ -	a.	
g	Final Plugging of Piezometer(s)	N/A	VLF	1	$ 21.40	$ -	a.	
3.0	Sampling and Analysis							
a	Groundwater Monitoring Wells	N/A	wells	60	$ 632.48	$ -	a.	
	Groundwater Monitoring Wells	N/A	wells	16	$ 156.11	$ -	a.	
b	Methane Gas Probes	N/A	probes	60	$ 41.04	$ -	a.	
c	Surface Water Monitoring Points	N/A	points	60	$ 76.32	$ -	a.	
d	Leachate	N/A	sample	60	$ 122.82	$ -	a.	
4.0	Final Cover Maintenance							
a	Mow and Fertilize Vegetative Cover	0.4	acres	0	$ 194.05	$ -	a.	
a	Mow and Fertilize Vegetative Cover	N/A	acres	8	$ 194.05	$ -	a.	
b	Repair Erosion, Settlement, and Subsidence for On-site Soils	0.4	acres	30	68.52	$ 822	a.	
b	Repair Erosion, Settlement, and Subsidence for On-site Soils	N/A	acres	8	2.81	$ -	a.	
	Repair Erosion, Settlement, and Subsidence for Off Site Soils	N/A	acres	30	16.82	$ -	a.	
	Repair Erosion, Settlement, and Subsidence for Off Site Soils	N/A	acres	8	16.82	$ -	a.	
c	Reseed Vegetative Cover	0.4	acres	0.5	964.32	$ 193	a.	
5.0	Leachate Management							
a	Clean Leachate Line(s)	N/A	Per Year	30	$ 1,504.09	$ -	a.	
b	Maintain Leachate Collection System and Equipment	N/A	Per Year	30	2,336.66	$ -	a.	
c	Collect, Treat, Transport, and Dispose of Leachate	N/A	gal/yr	30	0.30	$ -	a.	
6	Tasks Not Identified	N/A						
7	Subtotal					$ 79,735	a.	
8	Administrative Services	1	Lump sum	0.06	79,735.10	$ 4,784	a.	
9	Technical and Professional Services	1	Lump sum	0.07	79,735.10	$ 5,581	a.	
10	Post-Closure Contingency	1	Lump sum	0.10	79,735.10	$ 7,974	a.	
11		**TOTAL POST CLOSURE COST ESTIMATE**				**$ 98,074**	**a.**	

a. Oklahoma Department of Environmental Quality as Provided in the Utah Division of Solid and Hazardous Waste Solid Waste Management Program, Preparation of Solid Waste Facility Closure and Post Closure Cost Estimates Guidance.

In providing opinions of probable construction cost, the Client understands that the Engineer has no control over costs or the price of labor, equipment or materials, or over the Contractor's method of pricing, and that the opinion of probable construction cost provided herein is made on the basis of the Engineer's qualifications and experience. The Engineer makes no warranty, expressed or implied, as to the accuracy of such opinions compared to bid or actual costs.

Table 6.1

STATEMENT OF ACCOUNT

PTIF

UTAH PUBLIC TREASURERS' INVESTMENT FUND

David Damschen, Utah State Treasurer, Fund Manager
PO Box 142315
350 N State Street, Suite 180
Salt Lake City, Utah 84114-2315
Local Call (801) 538-1042 Toll Free (800) 395-7665
www.treasurer.utah.gov

ESC-MILLARD CO LANDFILL FILLMORE
SHERI DEARDEN
50 S MAIN
FILLMORE UT 84631

Account	Account Period
2528	December 01, 2017 through December 31, 2017

Summary

Beginning Balance	$ 125,032.47	Average Daily Balance	$ 125,032.47
Deposits	$ 173.52	Interest Earned	$ 173.52
Withdrawals	$ 0.00	360 Day Rate	1.6116
Ending Balance	$ 125,205.99	365 Day Rate	1.6340

Date	Activity	Deposits	Withdrawals	Balance
12/01/2017	FORWARD BALANCE	$ 0.00	$ 0.00	$ 125,032.47
12/31/2017	REINVESTMENT	$ 173.52	$ 0.00	$ 125,205.99
12/31/2017	ENDING BALANCE	$ 0.00	$ 0.00	$ 125,205.99