State of Utah

SPENCER J. COX
Governor

DEIDRE HENDERSON
Lieutenant Governor

Department of
Environmental Quality

Kimberly D. Shelley
Executive Director

DIVISION OF WASTE MANAGEMENT
AND RADIATION CONTROL

Douglas J. Hansen
Director

April 7, 2022

Wayde Nielsen, Landfill Manager
Emery County
P.O. Box 889
Castle Dale, UT 84513

RE: Approval - Emery County Class I Landfill Renewal
SW186

Dear Mr. Nielsen:

Enclosed is the approved permit which has been renewed for the Emery County Class I Landfill.

The 30-day public comment period on the draft renewal permit began on February 3, 2022, and ended on March 4, 2022. No comments were received.

Periodic inspections of the landfill will be conducted by representatives of the Division of Waste Management and Radiation Control and the Southeastern Utah Public Health Department to assess compliance with permit conditions and applicable Solid Waste Rules.

The permit approval and expiration dates are as shown on the permit cover page. A Statement of Basis was prepared for the permit and is enclosed.

If you have any questions, please call Doug Taylor at (801) 536-0240.

Sincerely,

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

(Over)

DSHW-2022-003142

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

DJH/DT/kd

Enclosures: Emery County Class I Landfill Permit (DSHW-2021-021304)
Permit Attachment 1 – Landfill Construction and Design (DSHW-2021-021311)
Permit Attachment 2 – Operations Plan (DSHW-2021-021315)
Permit Attachment 3 – Closure and Post-Closure (DSHW-2021-021317)
Statement of Basis (DSHW-2021-023924)

c: Brady C. Bradford, Health Officer, Southeast Utah Health Department
Orion Rogers, Environmental Health Director, Southeast Utah Health Department
Russell Seeley, P.E., District Engineer, UDEQ (Email)
Lynn Sitterud, Emery County Commissioner (Email)
Brett Mickelson, P.E., IGES (Email)

DIVISION OF WASTE MANAGEMENT AND RADIATION CONTROL SOLID WASTE LANDFILL PERMIT

CLASS I SOLID WASTE PERMIT *RENEWAL*

Emery 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:

Emery County as owner and operator
Permittee,

to own, construct, and operate the Emer County Class I landfill located in SE ¼ of SE ¼ of Sections 9 and 16, Township 18 South, Range 8 East, Salt Lake Base Meridian, Emery County, Utah as shown in the Permit Renewal Application that was determined complete on November 8, 2021.

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 April 7, 2022

Closure Cost Revision Date: April 7, 2027

This Permit shall expire at midnight April 6, 2032

Signed this 7th day of April, 2022.

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

FACILITY OWNER/OPERATOR INFORMATION

LANDFILL NAME:	Emery County Class I Landfill
OWNER NAME:	Emery County P.O. Box 889 Castle Dale, UT 84513
OWNER ADDRESS:	Emery County P.O. Box 889 Castle Dale, UT 84513
OWNER PHONE NO.:	435-381-3510
OPERATOR NAME:	Emery County
OPERATOR ADDRESS:	Emery County P.O. Box 889 Castle Dale, UT 84513
OPERATOR PHONE NO.:	435-381-3510
TYPE OF PERMIT:	Class I Landfill
FACILITY LOCATION	Emery County Class I Landfill 475 West County Road 417 Castle Dale, UT 84513
PERMIT NUMBER:	9427R3
PERMIT HISTORY	This facility has been receiving waste since 1979. The first permit to officially allow Emery County to receive solid waste was given on June 1, 1998. Most recently, the landfill was given a renewal permit on November 8, 2011 (DSHW-2011-014101). This permit is the third renewal permit. Its effective is shown on the signature page.

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 Emery County Class I Landfill was received October 20, 2021 (DSHW-2021-018181) and 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 the scale house, maintenance building, a used oil and antifreeze collection area, MSW disposal areas, asbestos disposal cell, green waste collection pile, refrigerator/freezer collection area, and the area to collect metals for recycling.

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 III.H 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 under this Permit to receive PCB wastes as defined in R315-315-7(3)(b) of the Utah Administrative Code approved by the Director or R315-315-7(3)(a) of the Utah Administrative Code for TSCA permitted facilities.

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

I.B.1.j Acceptable wastes are restricted to wastes that are received under sole contracts with local governments, within the State of Utah, for waste generated within the boundaries of the local government. Each contract shall be approved by the Director prior to acceptance of the waste at the landfill.

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; or

I.C.3. PCBs as defined by R315-301-2(53) of the Utah Administrative Code, except as allowed in Section I.B (Acceptable Waste) of this Permit

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;

I.C.5. 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 local 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 areasof 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.

II. DESIGN AND CONSTRUCTION

II.A. Design and Construction

II.A.1. The landfill shall be constructed according to the design outlined in the Attachment 1 and in the area designated in the Attachment 1, including landfill cells, fences, gates, and berms prior to acceptance of waste.

II.A.2. The Permittee shall notify the Director upon completion of construction of any landfill cells or run-on and run-off diversion systems. No landfill cells or run-on and run-off diversion system may be used until as-built documents are submitted and construction is approved by the Director and this permit has been modified to reflect

the changes.

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. The design shall be accompanied by a CQC/CQA Plan, for each construction season where incremental or final closure is performed.

II.A.4. A qualified party, independent of the owner and the construction contractor, shall perform the quality assurance function on cover components and other testing as required by the approved CQC/CQA Plan. The results shall be submitted as part of the as-built drawings to the Director.

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

II.A.6. If ground water is encountered during excavation of the landfill, the Director shall be notified immediately, and a contingency plan implemented, or alternative construction design developed and submitted for approval.

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

II.B.1. The Permittee shall construct drainage channels and diversions 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.J 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.

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

III.B.3. Have at least one person employed by the Permittee at the landfill during all hours that the landfill is open.

III.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.

III.C. Training

III.C.1. The Permittee shall provide training for on-site personnel in landfill operation,

including waste load inspection, hazardous waste identification, and personal safety and protection.

III.D. Burning of Waste

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

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

III.E. Daily Cover

III.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.

III.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.

III.F. Gas Monitoring

III.F.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.

III.F.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:

III.F.2.a Immediately take all necessary steps to ensure protection of human health and notify the Director;

III.F.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;

III.F.2.c Implement a remediation plan that meets the requirements of R315-303-3(5)(b) of the Utah Administrative Code; and

III.F.2.d Submit the plan to, and receive approval from, the Director prior to implementation.

III.G. Waste Inspections

III.G.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.G.2. The Permittee shall document in the daily operating record that each load is received under a contract approved by the Director.

III.G.3. 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.G.4. The Permittee shall inspect all loads that the Permittee suspects may contain a waste not allowed for disposal at the landfill.

III.G.5. The Permittee shall conduct complete random inspections as follows:

III.G.5.a The Permittee shall conduct the random waste inspection at the working face or an area designated by the Permittee.

III.G.5.b The Permittee shall direct loads subjected to complete inspection be unloaded at the designated area;

III.G.5.c Loads shall be spread by equipment or by hand tools;

III.G.5.d Personnel trained in hazardous waste recognition and recognition of other unacceptable waste shall conduct a visual inspection of the waste; and

III.G.5.e The personnel conducting the inspection shall record the results of the inspection on a waste inspection form as found in Appendix #2 of this Permit. The Permittee shall place the form in the daily operating record at the end of the operating day.

III.G.5.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.

III.H. Disposal of Special Wastes

III.H.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.

III.H.2. The Permittee shall handle and dispose of asbestos waste in accordance with R315-315-2 of the Utah Administrative Code.

III.I. Self-Inspections

III.I.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.

III.J. Recordkeeping

III.J.1. The Permittee shall maintain and keep on file at the landfill office, a daily operating record and other general records of landfill operation as required by R315-302-2(3) of the Utah Administrative Code. The landfill operator, or other designated personnel, shall date and sign the daily operating record at the end of each operating day. 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:

III.J.1.a Records related to the daily landfill operation or periodic events including:

III.J.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;

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

III.J.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;

III.J.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.

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

III.J.1.b.(i) A copy of this Permit, including the Permit Application;

III.J.1.b.(ii) Results of inspections conducted by representatives of the Director, and of representatives of the local Health Department, when forwarded to the Permittee;

III.J.1.b.(iii) Closure and Post-closure care plans; and

III.J.1.b.(iv) Records of employee training.

III.K. Reporting

III.K.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 cost, results of gas monitoring, and all training programs completed.

III.L. Roads

III.L.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 shall be improved and maintained as necessary to assure safe and reliable all-weather access to the disposal area.

III.M. Litter Control

III.M.1. Litter resulting from operations of the landfill shall be minimized. In addition to the litter control plans found in Landfill Office of the Permit Application, the Permittee shall implement the following procedures when high wind conditions are present:

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

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

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

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

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

III.M.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.

IV. CLOSURE REQUIREMENTS

IV.A. Closure

IV.A.1. The Permittee shall install final cover of the landfill as shown in the Attachment #3. 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.

IV.A.2. Title Recording

IV.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 Emery 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.

IV.B. Post-Closure Care

IV.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.

IV.C. Financial Assurance

IV.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.

IV.D. Financial Assurance Annual Update

IV.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.

IV.D.2. Closure Cost and Post-Closure Cost Revision

IV.D.3. 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 or new permittees by complying with the permit transfer provisions specified in R315-310-11 of the Utah Administrative Code.

V.C. Expansion

V.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.

V.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.

V.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.

V.D. Expiration

V.D.1. If the Permittee desires to continue operating this landfill after the expiration date of this Permit, the Permittee shall submit an application for permit renewal at least six months prior to the expiration date, as shown on the signature (cover) page of this Permit. If the Permittee timely submit 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.

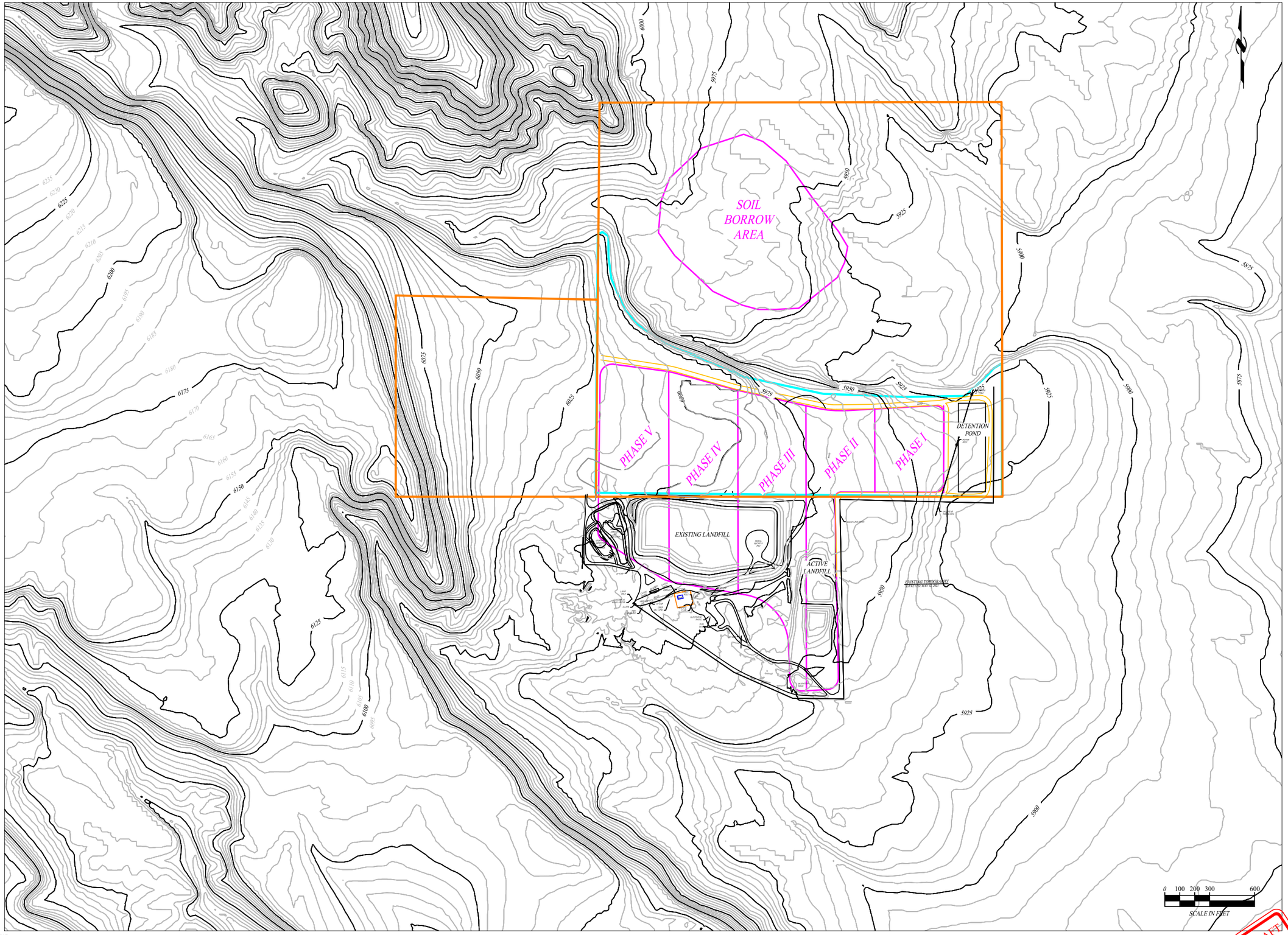
V.E. Contract Approval

V.E.1. The Permittee shall receive waste only from local governments that have contracts with the facility owner. All new contracts and changes in existing contracts shall be reviewed and receive approval from the Director prior to receipt of waste.

VI. ATTACHMENTS

Attachment 1 – Landfill Construction and Design Plan
Attachment 2 – Operations Plan
Attachment 3 – Closure and Post Closure Plan

Attachment 1 - Landfill Construction and Design



REFERENCE:
ADAPTED FROM USGS TOPO MAP AND DIGITAL ELEVATION MODEL (UTAH AGRC)
"RED POINT, UTAH" 1979
SITE TOPOGRAPHY BY JOHANSEN & TUTTLE, 1994
UPDATED BASED ON AERIAL IMAGERY, 2010

DRAFT

EMERY COUNTY

Emery County
P.O. Box 889
Castle Dale, Utah
(435) 381-5450

CONSULTANTS

IGES
2702 South 1030 West, Suite 10
Salt Lake City, Utah 84119
(801)270-9400 Fax: (801)270-9401

- EMERY COUNTY PROPERTY
- PROPOSED NORTHERN EXPANSION
- PROPOSED LANDFILL DEVELOPMENT PHASES

FOR PERMIT PURPOSES ONLY NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
	10/15/21	PERMIT

ISSUE:

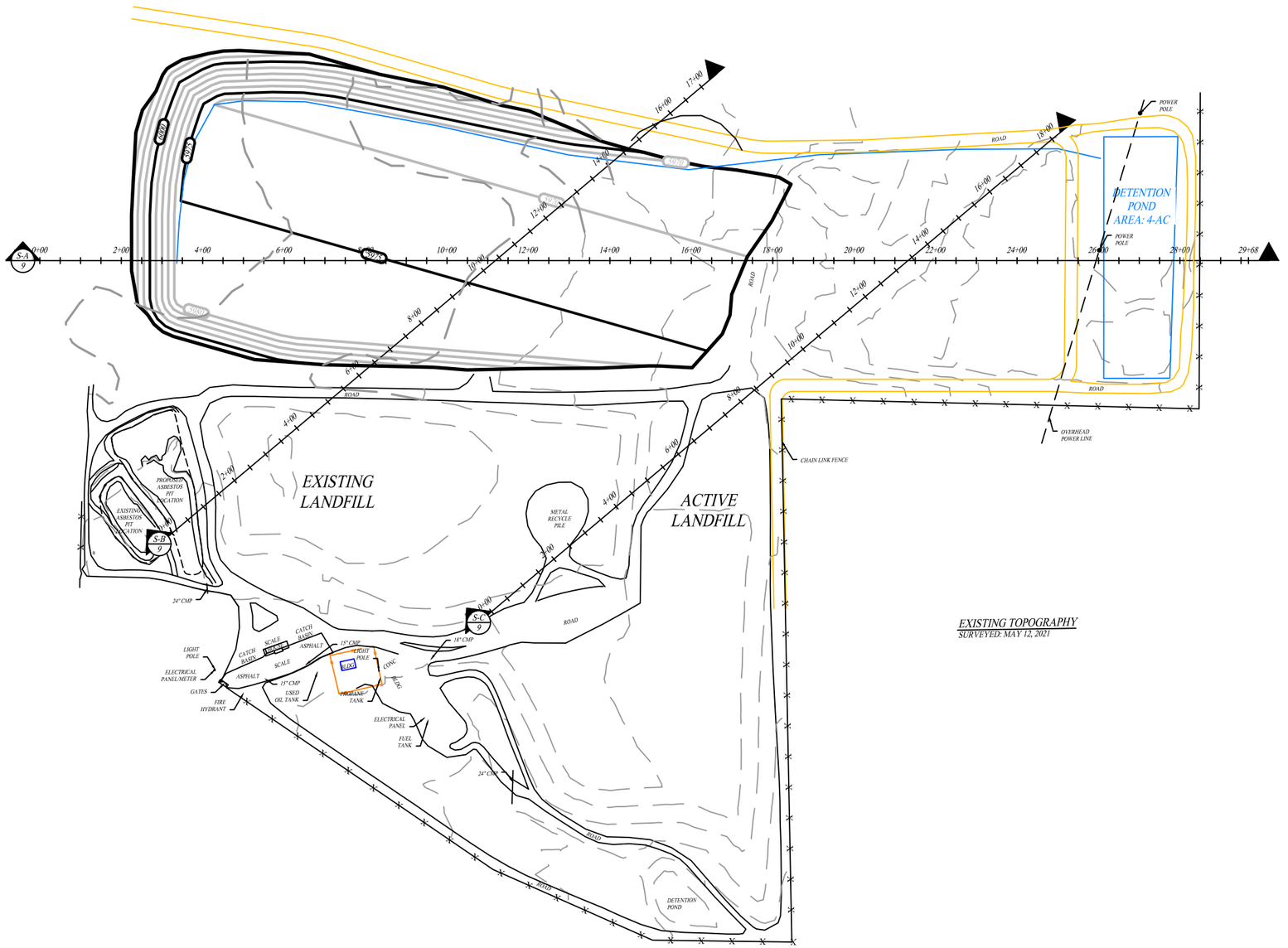
PROJECT NO.:	00450-005
CAD DWG FILE:	00450\005\Emery County 2021.dwg
DRAWN BY:	JAH
DESIGNED BY:	BDM
CHECKED BY:	BDM
COPYRIGHT:	IGES 2021

SHEET TITLE

EMERY COUNTY LANDFILL

GENERAL ARRANGEMENT

2



EXISTING TOPOGRAPHY
SURVEYED: MAY 12, 2021

0 50 100 150 300
SCALE IN FEET

REFERENCE:
ADAPTED FROM USGS TOPO MAP AND DIGITAL ELEVATION MODEL (UTAH AGRC)
"RED POINT, UTAH" 1979
SITE TOPOGRAPHY BY JOHANSEN & TUTTLE, 1994
UPDATED BASED ON AERIAL IMAGERY, 2010

EMERY COUNTY

Emery County
P.O. Box 889
Castle Dale, Utah
(435) 381-5450

CONSULTANTS

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(801)270-9400 Fax: (801)270-9401

NOTES:

PERIMETER ACCESS ROAD
EXISTING FENCE
RUN-OFF CONTROL CHANNEL

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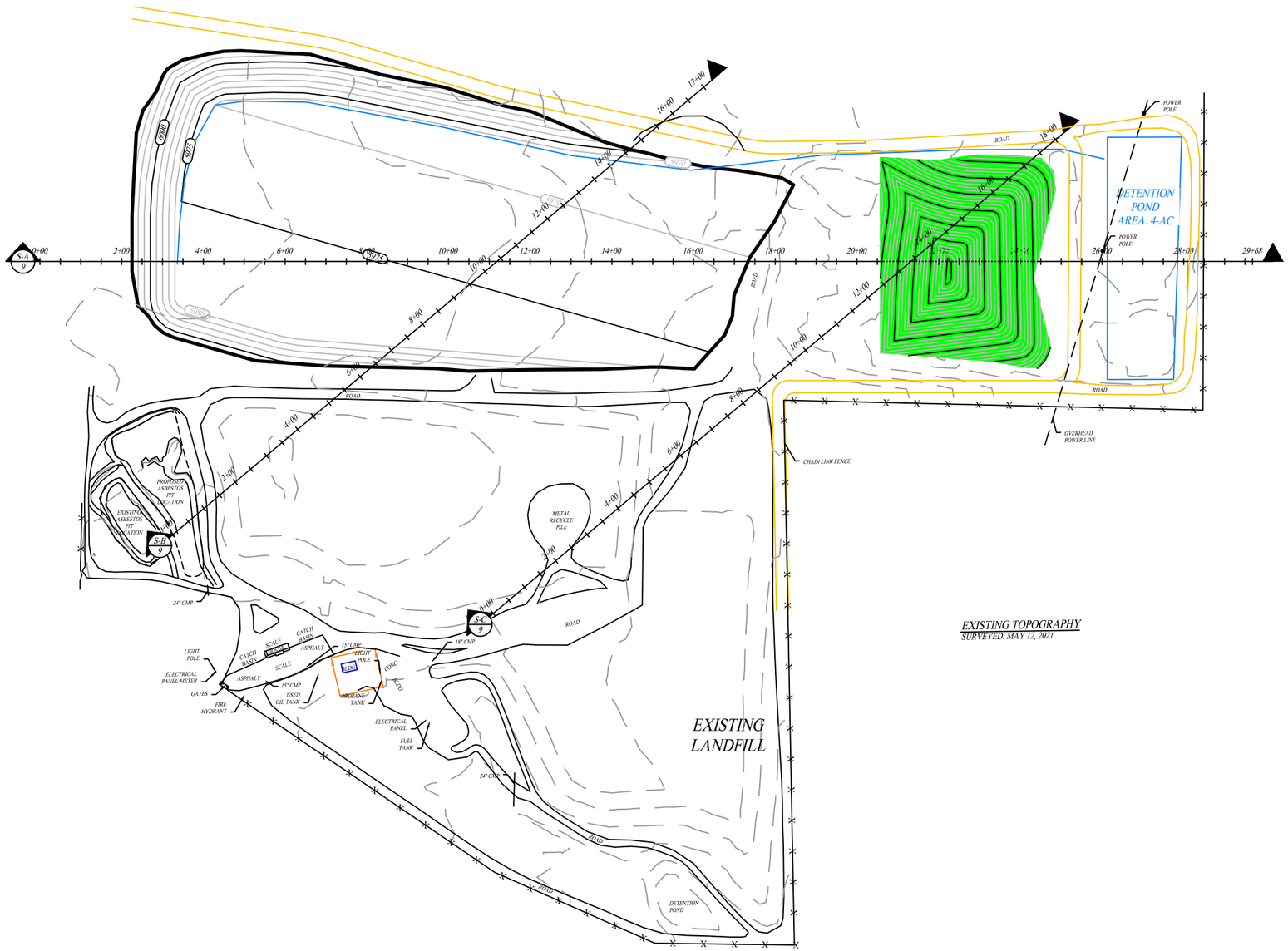
EMERY COUNTY LANDFILL
CELL & POND DEVELOPMENT

3



EXISTING TOPOGRAPHY
SURVEYED: MAY 12, 2021

PHASE I FILL
PHASE II FILL
PHASE III FILL
PHASE IV FILL
PHASE V FILL

0 50 100 150 300
SCALE IN FEET

DRAFT

REFERENCE:
ADAPTED FROM USGS TOPO MAP AND DIGITAL ELEVATION MODEL (UTAH AGRC)
"RED POINT, UTAH" 1979
SITE TOPOGRAPHY BY JOHANSEN & TUTTLE, 1994
UPDATED BASED ON AERIAL IMAGERY, 2010

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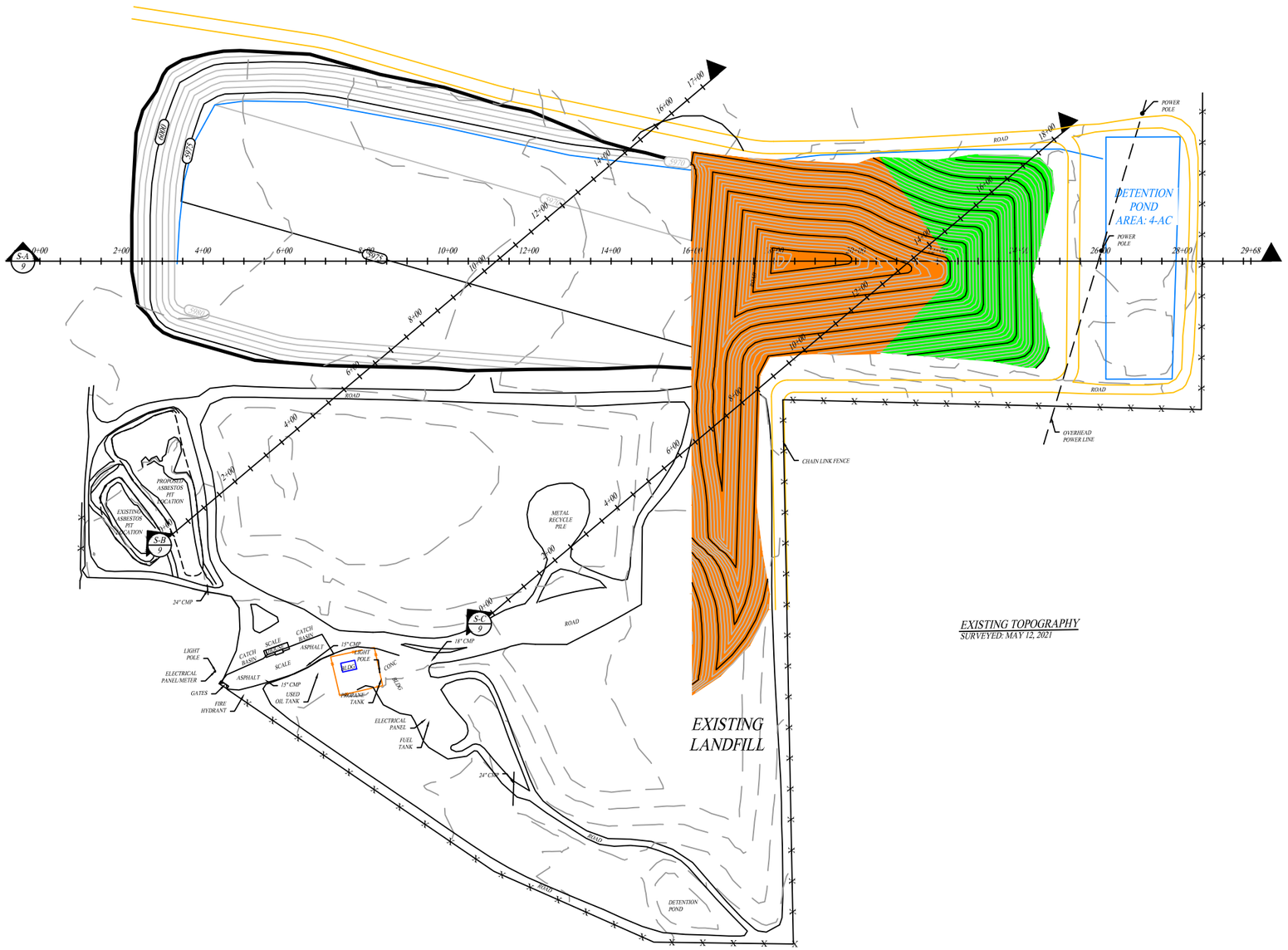
EMERY COUNTY LANDFILL

PHASE I FILL-PLAN

4



EXISTING TOPOGRAPHY
SURVEYED: MAY 12, 2021

PHASE I FILL
PHASE II FILL
PHASE III FILL
PHASE IV FILL
PHASE V FILL

0 50 100 150 300
SCALE IN FEET

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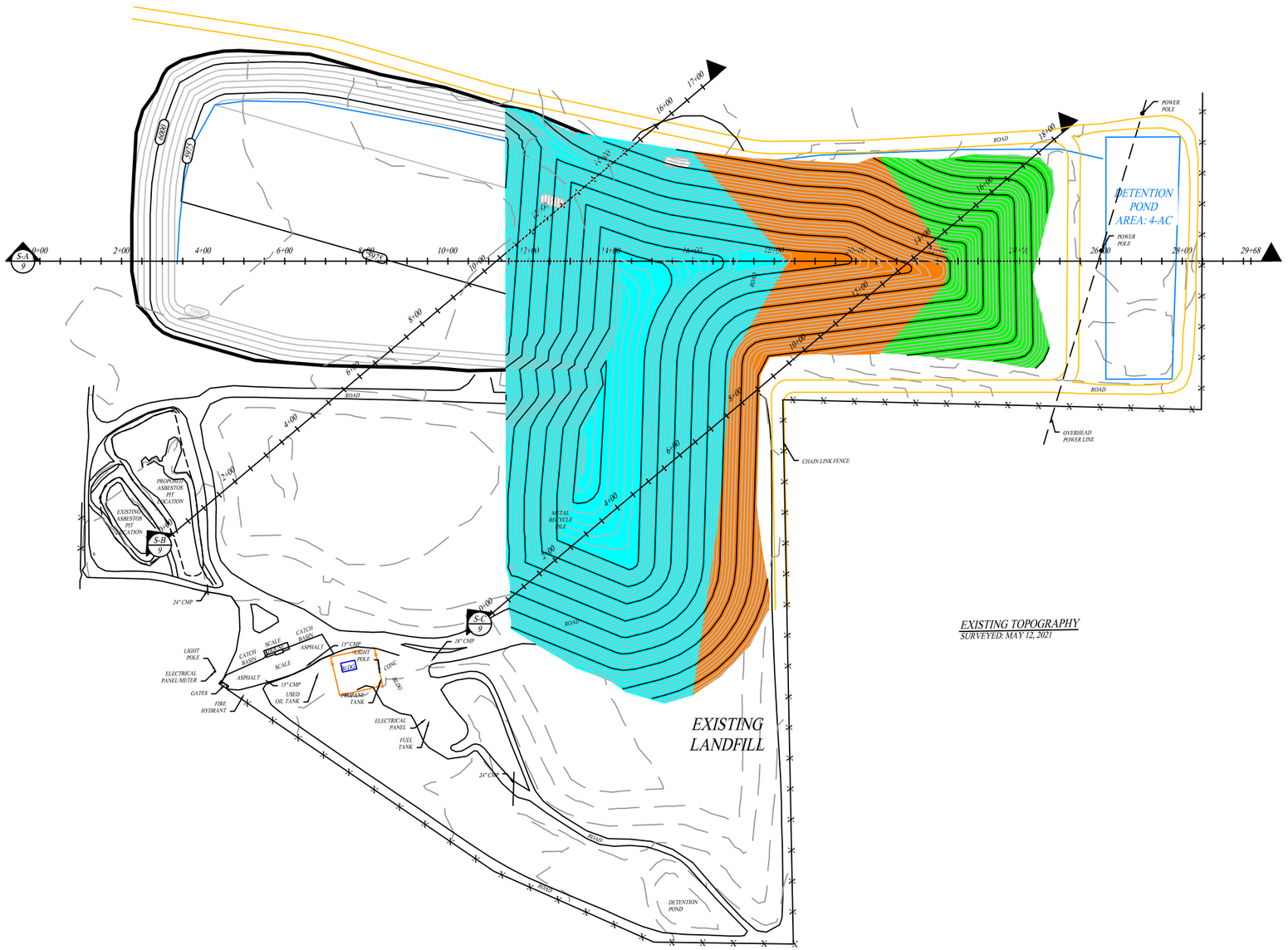
PHASE II FILL-PLAN

5



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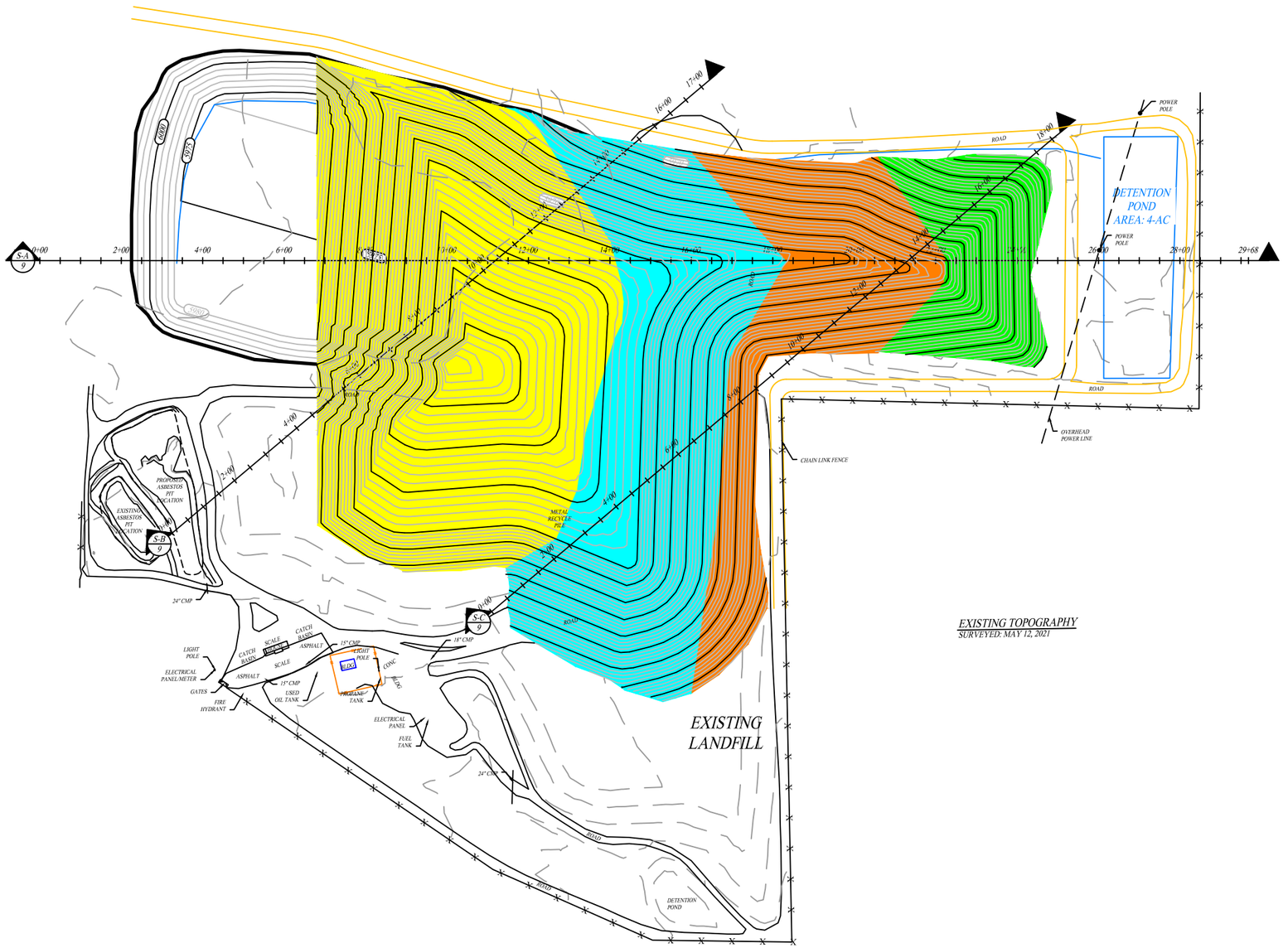
PHASE III FILL-PLAN

6



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SURVEYED: MAY 12, 2021

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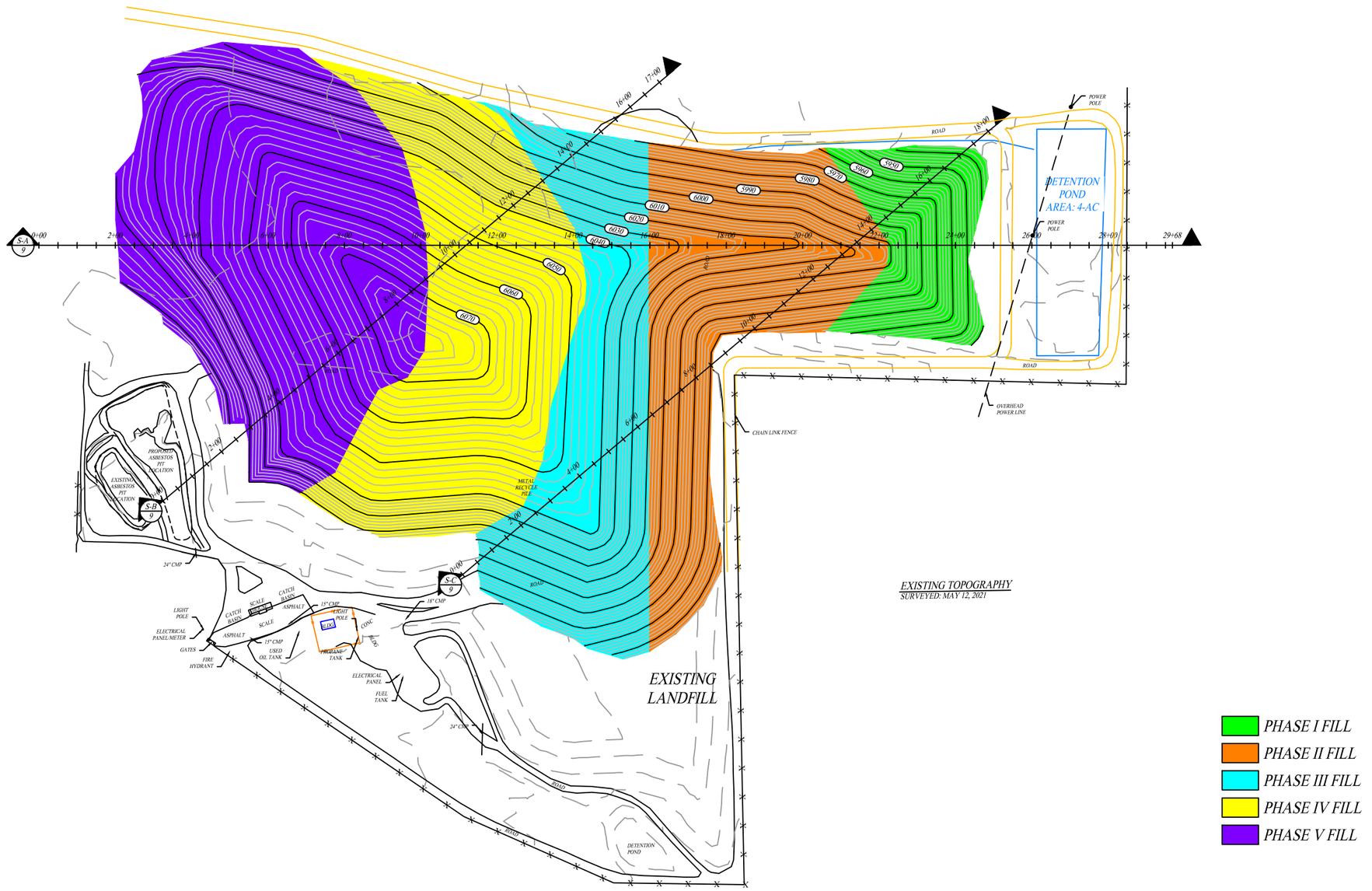
PHASE IV FILL - PLAN

7



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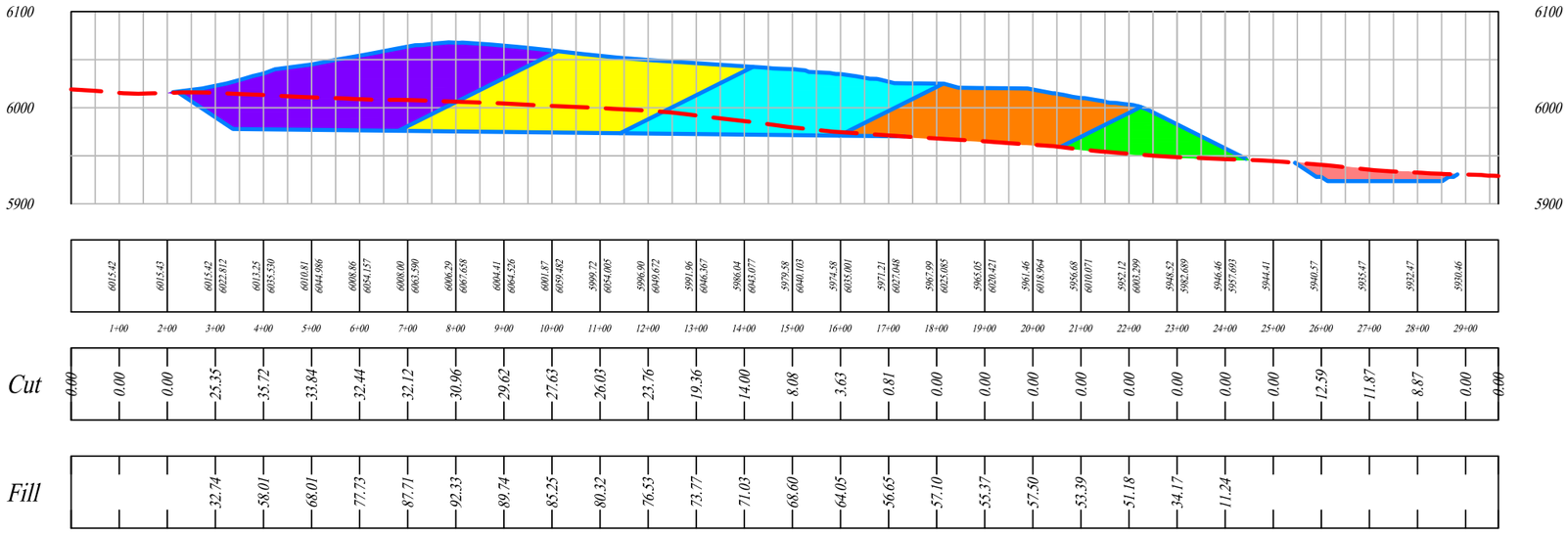
EMERY COUNTY LANDFILL

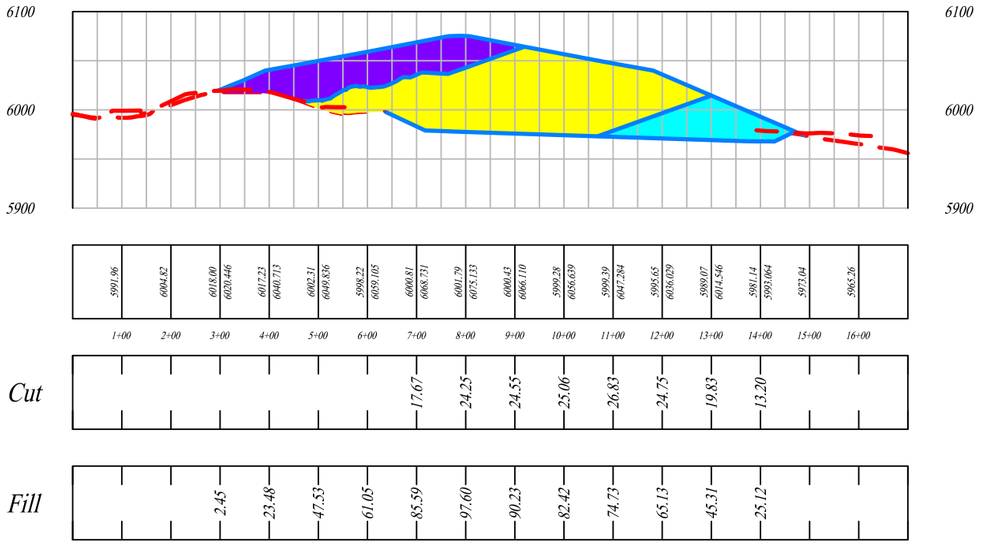
PHASE V-FINAL COVER PLAN

8

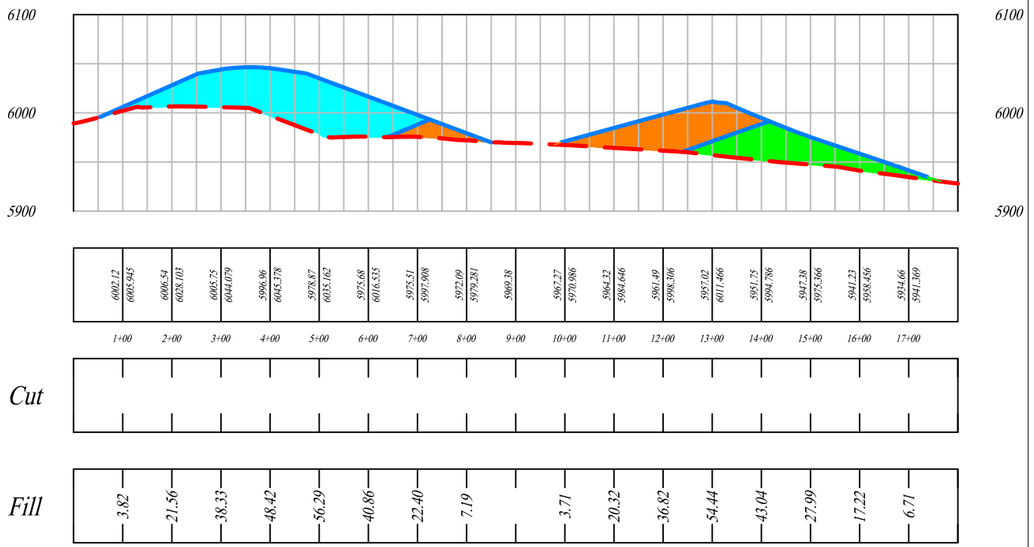
Section A PROFILE



Section B PROFILE



Section C PROFILE



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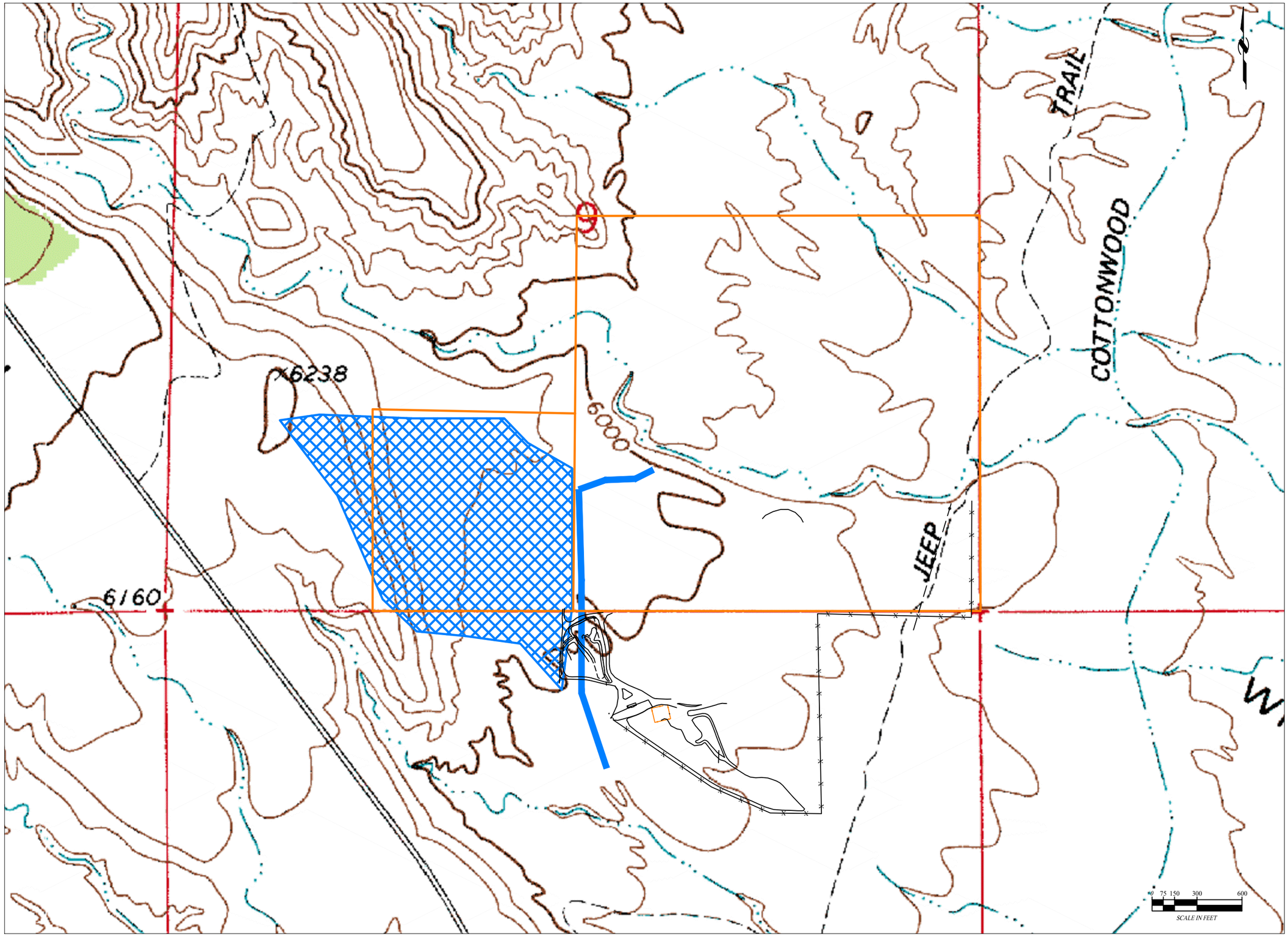
EMERY COUNTY LANDFILL

ELEVATION VIEW

9



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NOTES:

POTENTIAL RUN-ON AREA
~50 ACRES
PEAK FLOW: 31.3 CFS
(25-YR, 24-HR STORM)

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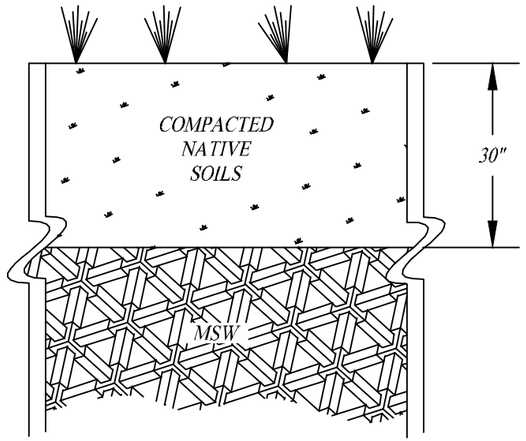
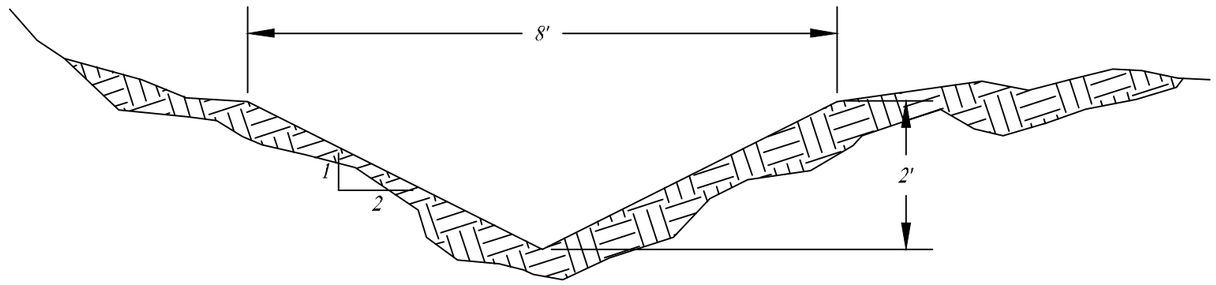
EMERY COUNTY LANDFILL

RUN-ON CONTROL PLAN

10



DT-1 / - DETAIL - FINAL COVER
NOT TO SCALE



DT-2 / - DETAIL - DRAINAGE DITCH
NOT TO SCALE

REFERENCE:
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EMERY COUNTY LANDFILL

LANDFILL DETAILS

11

Attachment 2 - Operations Plan

Waste Placement

Waste placement will be accomplished utilizing the same procedures as described for Phases I-IV. Daily cover will be applied to the working face slope as needed, final cover soils will be placed on perimeter slopes and the top of the cap as they reach final grade. Intermediate cover soils will be used as necessary to protect areas that may need to remain dormant for more than 30 days.

3.2 DESCRIPTION OF HANDLING PROCEDURES

3.2.1 General

The landfill is open for public and private disposal. Signs posted near the landfill entrance clearly indicate the following information:

- Types of wastes that are accepted
- Types of wastes not accepted
- Telephone numbers
- Hours of operation
- Recycling information
- Holidays – days of landfill operation
- Tipping fees
- Applicable regulations

All vehicles delivering wastes to the site must stop at the scale house. Scale house personnel will inquire as to the contents of each incoming load to screen for unacceptable materials. Any vehicle suspected of carrying unacceptable materials (liquid waste, sludges, or hazardous waste) will be prevented from entering the disposal site unless the driver can provide evidence that the waste is acceptable for disposal at the site. Emery County Landfill personnel reserves the right to refuse service to any suspect load. Vehicles carrying unacceptable materials will be required to exit the site without discharging their loads. If a load is suspected of containing unacceptable materials, the following information will be recorded: date, time, name of the hauler, driver, telephone number, license plate, and source of waste. The scale house personnel will then notify the tipping area operator by radio that a load is suspect and that load will be further inspected at the landfill tipping area before final disposal is allowed.

After a vehicle leaves the scale house, the vehicle will be routed to the appropriate discharge location by site personnel. Loads will be regularly surveyed at the tipping area. If a discharged load contains inappropriate or unacceptable material, the discharger will be required to reload the material and remove it from the landfill site. If the discharger is not immediately identified, the area where the unacceptable material was discharged will be cordoned off. The unacceptable material will be moved to a designated area for identification and preparation for proper disposal.

The operation of the landfill is documented on various forms. The forms that Emery County uses to help maintain an orderly processing of waste while minimizing the potential for environment impacts are:

- Routine Waste Inspection
- Landfill Recyclables Hauled Out
- Utah DIYer Used Oil Log
- Freon Extraction
- Landfill Waste Disposal Log
- Landfill Hot Load
- Landfill Gas Log
- Tailgate Safety Meeting Report

Copies of all forms are included in Appendix C.

3.2.2 Waste Acceptance

The Emery County Landfill utilizes customized spreadsheets to manage the landfill waste tracking. With this program Emery County is able to track all incoming waste as well as bill and receive payment from all customers. When a vehicle with waste stops on the scale; the scale operator identifies the load as to whether it is a commercial hauler, general public, or private individual with an account. All loads larger than a pickup are weighed and charged accordingly. Information pertaining to all transactions is stored on the in house computer at the Road Department. All records are backed up twice weekly to the main server at the County Court House. A monthly summary of all landfill transactions is created and kept on file at the landfill. Any or all transactions may be retrieved as necessary. After each load has been recorded, the driver is directed where to take the load. All loads with the exception of recyclables and green waste are directed to the working face where the waste is deposited for disposal.

Each load is visually inspected as it is discharged. Waste screening is done as needed or scheduled according to the procedures outlined in Section 3.3 Waste Inspection. No open burning is allowed. No smoking is allowed near the work face.

3.2.3 Waste Disposal

Wastes are dumped at the toe of the work face when possible and spread up the slope in one to two foot lifts, keeping the slope at three to one (horizontal to vertical) configuration. The waste may be deposited at the top of the working face depending on the configuration of the working face and the location of the working face in the disposal area.

Work face dimensions are kept narrow enough to minimize blowing litter and reduce the amount of material needed for daily cover. Typically, the width of the working face is two and one-half times the width of the compactor blade (40 feet). This facilitates complete compaction of the waste and keeps the width narrow enough to minimize amount of daily cover required.

Typically, the compactor is operated with the blade facing uphill. Equipment operations across the slope are avoided to minimize the potential of equipment tipping over. In addition to safety concerns, a toe of slope to crest of slope working orientation provides the following benefits:

- Minimizes blowing litter problems.
- Increases equipment compactive effectiveness.
- Increased visibility for waste placement and compaction.
- More uniform waste distribution.

Grade stakes are used when necessary to control cell height and top surface grade. The top of the surface grade ranges from 2 to 5 percent, and the cell height ranges from 8 to 10 feet.

Wastes are compacted by making three to five passes up and down the slope. Compaction reduces litter, differential settlement, and the quantities of cover soil needed. Compaction also extends the life of the site, reduces unit costs, and leaves fewer voids to help reduce vector problems. Care is taken that no holes are left in the compacted waste. Voids are filled with additional waste as they develop.

Intermediate cover is applied to all areas of the active cell that will not receive additional waste within 30 days. Intermediate cover consists of additional 12 inches of soil being placed over the 6 inches of daily cover soil.

3.2.4 Special Wastes

3.2.4.1 Used Oil and Batteries

The Emery County Landfill is a "Used Oil Recycle Center". When a customer has used oil to dispose of they fill out the form "UTAH DIYer USED OIL LOG" provided by UDEQ. A report generated from this form is turned in quarterly stating the amount of oil deposited and the customer's names. Batteries are not accepted at the working face. Emery County Landfill provides a pallet near the scale house where incoming batteries are stored until a sufficient number is generated to facilitate pickup by a local battery supplier.

3.2.4.2 Bulky Wastes

White goods are accepted at the landfill and are separated for recycling. All appliances containing refrigerants are segregated in a separate area. Refrigerant is removed from the damaged units and the recyclable appliances are set aside in a special area for recycling. Used cars are not accepted at the Emery County Landfill.

3.2.4.3 Tires

Emery County Landfill accepts small quantities of tires from the general public. Commercial haulers are prohibited from disposing of tires. Four passenger tires can be accepted with each load from the public. When sufficient quantities of tires are collected, a tire hauler is called and the tires are removed from the facility for recycling. If tire recycling is not feasible, tires are incorporated into the working face of the landfill.

3.2.4.4 Dead Animals

Dead animals are accepted at the landfill. Depending on landfill operations, a designated trench may be prepared for the acceptance of these animals. When a trench is utilized, the dead animals are placed in the trench and a minimum of 6" of cover soil is placed over the animals at the end of each day. In the event that the trench is not utilized, the dead animals are incorporated into the face of the landfill. The incorporation of the carcasses into the landfill is

accomplished by pushing up the toe of the face and depositing the animal in the bottom of the toe; waste is then pushed over the top of the animal.

3.2.4.5 Asbestos Waste

Emery County Landfill has developed asbestos management procedures to minimize the risk of asbestos related waste to humans and the environment. Emery County Landfill accepts on locally generated asbestos waste in a separate asbestos management area. Asbestos generators and transporters are required to make arrangements for asbestos disposal at a minimum of 24 hours prior to delivery to the landfill.

All asbestos waste management practices are as prescribed by UDEQ 315-315-2.

3.2.4.6 Grease pit and Animal Waste By-Products

Waste from restaurant grease traps and slaughterhouse by-products are accepted at the landfill. These wastes require 24 to 48 hour notice before disposal. If the waste passes the paint filter test, it is deposited in the dead animal trench or in the working face and covered daily. If excess liquid is present in the waste, the waste is unloaded on a specially prepared drying pad. The waste remains on the drying pad until the moisture has been sufficiently reduced to pass the paint filter test. Once the waste passes the paint filter test, the waste is deposited either in the dead animal trench or at the toe of the working face where it is immediately covered.

3.2.4.7 Infectious Wastes

The Emery County Landfill will occasionally accept potentially infectious waste (sharps from nursing home), specific waste handling procedures will be followed to minimize the potential human contact with the infectious waste. The following procedures will constitute the Infectious Waste Management Plan:

- Upon entering the landfill, the transporter of infectious waste shall notify the landfill operator that the load contains infectious waste.
- The infectious waste containers will be placed at the bottom of the working face with sufficient care to avoid breaking them.
- The infectious waste will be immediately and completely covered with a minimum of 12 inches of soil or MSW that contains no infectious waste.
- The infectious waste will not be compacted until the 12 inches of soil or MSW containing no infectious waste is in place.

3.2.4.8 Bulk or Containerized Liquid Waste

Bulk or containerized liquid waste will not be disposed of in the Emery County Landfill unless it is household waste. Liquids restrictions are necessary because the disposal of liquids into landfills can be a potential source of leachate generation. By restricting the introduction of free liquids into the landfill, Emery County Landfill personnel can minimize the leachate generation potential of the landfill. The ban on containerized free liquids will also reduce the problem of subsidence and possible damage to the final cover upon deterioration of the waste containers.

3.3 WASTE INSPECTION

3.3.1 Landfill Spotting

Learning to identify and exclude prohibited and hazardous waste is necessary for the safe operation of the Landfill. The SWT's are required to receive initial and periodic hazardous waste inspection training. SWT are required to take the SWANA waste screening training. Certificates of training are kept in the personnel files.

Hazardous wastes have either physical or chemical characteristics that could harm human health or the environment. A waste is considered hazardous if it falls into either of two categories: 1) a listed waste, or 2) a characteristic waste. Hazardous wastes are not accepted at the Emery County Landfill.

Small quantity generators (<100 kg/month) and household quantities are exempt from hazardous waste regulations. However, hazardous wastes are most likely to enter the Landfill mixed in with common household waste. Public education and periodic waste screening are the tools used to minimize the amount of inadvertent hazardous waste entering the landfill.

3.3.2 Random Waste Screening

Random inspections of incoming loads are conducted according to the schedule established by the SWTC. One or more commercial waste haulers and residential loads per week are selected randomly according to the schedule. If frequent violations are detected, additional random checks are scheduled at the discretion of the Landfill Manager.

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

- The driver of the vehicle containing the suspect material is directed to the waste screening area.
- The waste screening form is completed.
- Protective gear is worn (leather gloves, steel-toed boots, goggles, coveralls, and hard hat).
- The suspect material is spread out with the wheel loader or hand tools and visually examined. Suspicious marking or materials, like the ones listed below, are investigated further:
    - Containers labeled hazardous
    - Material with unusual amounts of moisture
    - Biomedical (red bag) waste
    - Unidentified powders, smoke, or vapors
    - Liquids, sludges, pastes, or slurries
    - Asbestos or asbestos contaminated materials
    - Batteries
    - Other wastes not accepted by the Landfill

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

3.3.3 Removal of Hazardous or Prohibited Waste

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

- The waste is loaded back on the hauler's vehicle. The hauler is then informed of the proper disposal options.
- If the hauler or generator is no longer on the premises and is known, they are asked to retrieve the waste and informed of the proper disposal options.
- The Landfill Manager arranges to have the waste transported to the proper disposal site and then bill the original hauler or generator.

A record of the removal of all hazardous or prohibited wastes is kept in the site operational records.

3.3.4 Hazardous or Prohibited Waste Discovered After the Fact

If hazardous or prohibited wastes are discovered in the landfill, the following procedure is used to remove them:

- Access to the area is restricted.
- The Landfill Manager is immediately notified.
- The SWT removes the waste from the working face if it is safe to do so.
- The waste is isolated in a secure area of the landfill and the area cordoned off.
- The Emery County Sheriff's Department Hazmat Response Team is notified. The Response Team physically inspects the material and provides waste handling specifics for the disposal.

The DWMRC, the hauler (if known), and the generator (if known) is notified within 24 hours of the discovery. The generator (if known) is responsible for the proper cleanup, transportation, and disposal of the waste.

3.3.5 Notification Procedures

The following agencies and people are contacted if any hazardous materials are discovered at the Landfill:

- Wayde Nielson, Landfill Manager.....(435) 381-3510
- Southeastern Utah Health Department .....(435) 637-3671
- Director, DWMRC.....(801) 536-0200
- Emery Co. Sheriff's Office .....(435) 381-2404

A record of conversation is completed as each of the entities is contacted. The record of conversation is kept in the site operational records.

3.4 MONITORING AND INSPECTION SCHEDULE

3.4.1 Groundwater

Emery County Landfill is not required to monitor groundwater as part of the landfilling operations; therefore, no inspections or maintenance activities are required.

3.4.2 Surface Water

Drainage control problems can result in accelerated erosion of a particular area within the landfill. Differential settlement of drainage control structures can limit their usefulness and may result in a failure to properly direct storm water off-site. Drawing 2 (Appendix A) illustrates the location of the storm water detention pond, location of the existing topographical features as well the overall site layout. Landfill staff will inspect the drainage system monthly. Temporary repairs will be made to any observed deficiencies until permanent repairs can be scheduled.

3.4.3 Leachate Collection

Leachate is not collected as part of the landfilling operations; therefore, no inspections or maintenance activities are required.

3.4.4 Landfill Gas

This facility is monitored for methane gas on a quarterly basis. Concentrations of methane gas are measured with a hand-held gas monitor. Gas readings are recorded at each end of the active cell, the shop, fuel tanks, scale house, and other random locations. Readings are recorded on the methane log sheet and kept on file in the scale house. Gas monitoring activities at the Emery County Landfill are performed by the local health department (Southeastern Utah Health).

If methane releases are detected in excess of 25 percent of the LEL, in the landfill building or more than 100 percent of the LEL at the property boundary, the procedure outlined in the "Explosive Gases" section is followed.

3.4.5 Inspection Documentation

The results of all routine inspections of site facilities will be recorded on inspection forms. The inspection forms will be submitted to the Landfill Manager for inclusion in the landfill operating records as required in Section R315-302-2(5) of the Rules. Copies of all landfill forms utilized to document landfilling activities are included in Appendix C.

3.5 CONTINGENCY AND CORRECTIVE ACTION PLANS

The following sections outline procedures to be followed in case of fire, explosion, ground water contamination, release of explosive gases, or failure of the storm water management system.

The SWTC has an on-site mobile communications system for use in an emergency to communicate with the management offices and off-site personnel. Additional available communication is via cell phone or the telephone located in the scale house, which will serve as the back-up communication system.

3.5.1 Fire

3.5.1.1 Incoming Waste/ Incoming Vehicle Fire

The potential for fire is a concern in any landfill. The Emery County Landfill personnel follows a waste handling procedure to minimize the potential for a landfill fire. If any load comes to the landfill on fire, the vehicle is directed to a designated section of the landfill, away from any exposed waste, and allowed to deposit the material. The designated area will vary depending on operational areas in use. The area will be readily accessible and within 1 or 2 minutes of the tipping area. The designated area will be isolated from the existing tipping area and will either be an excavated area with no underlying fill or at a location with a minimum of 1 foot of soil cover over underlying fill. In no case will a load thought to be burning be allowed to be dumped in the landfill.

Once burning waste is removed from the vehicle, the application of cover soil by landfill earth-moving equipment or the application of water by the on-site water truck to extinguish the fire can be carried out. Smothering the fire with soil is the preferred method. If, at any time, additional assistance is required, local fire-fighting units will be contacted. Once the burning waste cools and is deemed safe, the material is then be incorporated into the working face.

3.5.1.2 Ground Fire/Below Cover Fire

In the event that waste placed on the ground or waste that was previously covered erupts into fire, the material will be isolated from previously deposited waste as much as possible and the local fire department advised. This may be done by either moving burning wastes to another

area of the landfill or by concentrating the burning wastes using the landfill earth-moving equipment.

Once burning material is separated from other exposed waste, the application of cover soil by landfill earth-moving equipment or the application of water by a water tank truck to extinguish the fire can be carried out.

If, at any time, additional assistance is required, local fire-fighting units should be contacted as-soon-as possible.

3.5.2 Explosion

In the event that an explosion should occur or seem eminent at the landfill or in any structure associated with the landfill site, all personnel in the area, including those in surrounding buildings, will be evacuated immediately. In addition, site equipment will be moved away from the scene, if possible.

All landfill personnel will be accounted for and local emergency personnel (fire, police) will be contacted and informed of the situation. The Landfill Manager will be immediately informed of the situation and will notify the Director immediately.

The explosion area will be restricted to both landfill personnel and residents until cleared for re-entry by local emergency personnel.

3.5.3 Release of Explosive Gases

Methane gas generation and concentration is not anticipated to be a problem at the Emery County Landfill. However, due to the production of methane in all landfills, landfill gas levels are monitored quarterly. If a concentration of methane is detected in excess of 25 percent of the LEL in a landfill building, 100 percent of the LEL at the property boundary, or over 100 parts per million in an off-site building, the following procedure is followed:

- All landfilling operations cease immediately. All personnel in the area, including those in surrounding buildings, will be evacuated immediately. In addition, site equipment will be moved away from the scene, if possible.
- All landfill personnel will be accounted for.

- Local emergency personnel (fire, police) will be contacted and informed of the situation.
- The Landfill Manager will be informed of the situation.
- The release area and surrounding area will be monitored with a combustible gas indicator (CGI) by landfill personnel and readings documented for placement into the operating record.
- The release area will be restricted to both landfill personnel and residents until cleared for re-entry by local emergency personnel.

The Emery County Landfill Manager will notify the Director immediately and prepare a written report to be submitted within 14 days of detecting the release. The gas levels detected and a description of the steps taken to protect human health are placed in the operating record within 60 days of detection and the Director is notified that the plan has been implemented.

3.5.4 Failure of Run-Off Containment

The purpose of the run-on/run-off control systems is to manage the storm water falling in or near the landfill. Water is diverted away from the landfill using a series of ditches. These ditches are inspected on a regular basis and repaired as needed. All water falling on the working face is unable to flow out of the working area due to surface depressions left by the compactor. All storm water falling or flowing near the active landfill cell is prevented from flowing into the active area by diversion berms and ditches.

If the run-on or run-off system fails, temporary measures such as temporary berms, ditches, or other methods are used to divert water from the active landfill cell. The following actions will be taken to minimize the impact to the facility:

- Landfill personnel will immediately suspend filling operations if containment failure is in an active fill area.

- Landfill personnel will use earth-moving equipment to construct temporary earthen berms in an effort to divert the flow of surface water away from the failure area and toward a holding area.

- The Landfill Manager will conduct damage assessment. A decision will be made as to whether the damage can be rectified by on-site personnel.

- If the damaged area cannot be reconstructed by on-site personnel, Emery County Landfill will notify the Emery County Road Department for assistance. If the damage is such that the Emery County Road Department cannot repair the damage within 1 week, the Emery County Landfill Manager will contact a contractor to either re-design the containment system or initiate repairs to the existing system.

- The Emery County Landfill Manager will provide the necessary notices to the Director and fully document the event in the operating record, including corrective action within 14 days.

3.5.5 Groundwater Contamination

If ground water contamination is ever suspected, studies to confirm contamination will be conducted and the extent of contamination documented. This program may include the installation of ground water monitoring wells. A ground water monitoring program would be developed and corrective action taken as deemed necessary, with the approval of the Director.

3.6 CONTINGENCY PLAN FOR ALTERNATIVE WASTE HANDLING

Based on historical operations and a history of never needing to close down the site, landfilling operations should not have to be suspended due to inclement weather conditions or interruption of service. Emery County Landfill believes that their past operating experience and cautious operating procedures will negate the need for alternate waste handling plans.

3.7 MAINTENANCE PLAN

The following subsections offer a description of the maintenance of installed landfill equipment systems.

3.7.1 Groundwater Monitoring System

Emery County Landfill is not required to monitor groundwater as part of the landfilling operations at the Emery County Landfill; therefore, no maintenance will be performed.

3.7.2 Leachate Collection and Recovery System

Leachate is not collected as part of the landfilling operations at the Emery County Landfill; therefore, no maintenance activities will be performed.

3.7.3 Gas Collection System

Emery County Landfill is not required to collect landfill gas as part of the landfilling operations at the Emery County Landfill; therefore, no maintenance will be performed.

3.8 DISEASE AND VECTOR CONTROL

The vectors encountered at the Emery County Landfill are flies, birds, mosquitoes, rodents, skunks, and snakes. Due to the rural location of the landfill, stray house pets are occasionally encountered at the landfill. The program for controlling these vectors is as follows:

3.8.1 Insects

Eliminating breeding areas is essential in the control of insects. Emery County Landfill minimizes the breeding areas by covering the waste daily and maintaining surfaces to reduce ponded water. The mosquito abatement district personnel assist the landfill as necessary.

3.8.2 Rodents

Reducing potential food sources minimizes rodent populations at the landfill. To date, no significant numbers of mice or rats have been observed. The potential food sources are minimized by properly applying daily cover.

In the event of a significant increase in the number of rodents at the landfill, a professional exterminator will be contacted. The exterminator would then establish an appropriate protocol for pest control in accordance with all county, state and federal regulations.

3.8.3 Birds

The Emery County Landfill has had minimal problems with birds (crows). Good landfilling practices of waste compaction, daily covering of working faces, and the minimization of ponded water has to date alleviated most of the bird problems. When the occasional need arises, the birds are encouraged to leave by using cracker and whistler shells.

3.8.4 Household Pets

Because of the landfill's location, some stray cats and dogs have wandered onto landfill property. When stray animals are encountered (and can be caught), they are turned over to the animal shelter. If we are unable to apprehend the animals, they are chased off the property.

3.8.5 Wildlife

Emery County Landfill has a variety of wildlife located on or near the landfill property. Wildlife includes deer, snakes, foxes, skunks, and coyotes. The only operational problems with wildlife to date have been with an occasional skunk or snake. When problem skunks or snakes are encountered, they are exterminated. If other site wildlife becomes a problem, the landfill will coordinate with the Division of Wildlife Resources to provide methods and means to eliminate the problem.

In the event that any of these vectors become an unmanageable problem, the services of a professional exterminator will be employed.

3.8.6 Fugitive Dust

The roads leading to the landfill and the landfill face are paved, however; landfill construction activities and daily traffic produce a certain amount of dust. Landfill activities compounded by the occasional high wind present a fugitive dust problem. If the dust problem elevates above the "minimum avoidable dust level", the landfill applies water to problem areas.

The landfill personnel have access to a water truck that is maintained by the Emery County Road Department. Water is applied to the unpaved surfaces receiving traffic within the landfill in compliance with the Utah Division of Air Quality requirements. Water or a dust palliative is applied as often as needed in order to control the dust on site.

3.8.7 Litter Control

Due to the nature of landfilling operations, litter control is an ongoing problem. Landfill personnel perform routine litter cleanup to keep the landfill and surrounding properties clear of windblown debris.

Whenever possible, the working face is placed downwind so that blowing litter is worked into the landfill face. During windy conditions, landfill personnel minimize the spreading of the waste to reduce the amount of windblown debris

3.9 RECYCLING PROGRAM

Emery County Landfill has a somewhat limited recycling program due to its relatively small daily waste streams and the logistical remoteness from viable recycling markets.

Metal products are periodically separated from the landfill waste stream when practical and when the recycled metal market will pay for the costs of the metal diversion. The exception to the metal recycling program as stated above is when large structural members are exposed in the waste stream, those structural members are set aside for County use.

Appliances are inspected with recyclable units being set aside for recycling by a local appliance dealer. Useable paints and some building materials are set aside weekly for "give and take" reuse by landfill patrons.

The Emery County Landfill serves as an oil recycling center. Do-It-Yourselfers oil and antifreeze are gathered and disposed of under the guidelines of the State program. Batteries brought to the landfill or discovered as part of the daily operation are collected and stored on a pallet to be recycled by a local battery dealer.

A modest effort is made to separate and compost clean organic matter. The organic matter is made available to the public at no cost.

3.10 TRAINING PROGRAM

Emery County Landfill personnel are trained on how to identify unacceptable waste including liquid wastes, sludge, potential regulated hazardous waste, and PCB wastes. Personnel trained include the SWTC, and all SWT. The training emphasizes methods of identifying containers and labels typical of hazardous and PCB waste. The training also address the proper handling of unacceptable waste. All employees have received on the job training in landfill operations and waste screening. This training includes operations and safety training. New employees will receive training during their first 3 months of employment. The Landfill Manager will be trained

and certified as a Manager of Landfill Operations (MOLO). Upon completion of 5 years of landfill experience, the SWTC will receive the MOLO training.

3.11 RECORDKEEPING

Emery County Landfill personnel will maintain an operating record which will be available at the Emery County offices. This record will include inspection records, training procedures, notification procedures; methane monitoring results and remediation plans, if required; closure and post-closure care plans; financial assurance documentation and cost estimates.

Records will be kept throughout the life of the facility, including post-closure care. Documents will be organized, legible, dated, and signed by the appropriate personnel. The information in the operating record will be available to citizens through the Utah Government Records Access Management Act (GRAMA).

3.11.1 Weights or Volumes of Incoming Waste

Emery County Landfill will record and retain in the operating record all documentation made with respect to any weights or volumes of incoming wastes as allowed by State of Utah Administrative Rule R315-302-2. An annual summary of scale records will also be placed into the operating record.

3.11.2 Number of Vehicles Entering Facility

Emery County Landfill will record and retain in the operating record all documentation made with respect to the number of vehicles entering the facility as allowed by State of Utah Administrative Rule R315-302.

3.11.3 Types of Wastes Received Each Day

Emery County Landfill will record and retain in the operating record all documentation made with respect to the types of waste received each day at the facility as allowed by State of Utah Administrative Rule R315-302.

3.11.4 Deviation from Approved Operations Plan

At any time during the operational life or post-closure care period of the Emery County Landfill, UDEQ may set alternative schedules for recordkeeping and notification. However, it is anticipated that any modifications to the schedule for recordkeeping will be discussed with Emery County Landfill personnel prior to official notice from the State of Utah.

3.11.5 Training Procedures

Emery County Landfill will record and retain in the operating record all documentation made with respect to any training programs or procedures as allowed by State of Utah Administrative Rule R315-302.

3.11.6 Inspection Log or Summary

Emery County Landfill will record and retain in the operating record all documentation made with respect to any inspection logs or summary sheets as allowed by State of Utah Administrative Rule R315-302

3.11.7 Closure and Post-Closure Care Plans

Emery County Landfill will record and retain in the operating record all documentation made with respect to the closure and post-closure care plans as allowed by State of Utah Administrative Rule R315-302-3.

3.11.8 Cost Estimates and Financial Assurance Documentation

Emery County Landfill will record and retain in the operating record all documentation made with respect to the cost estimates and financial assurance documentation as allowed by State of Utah Administrative Rule R315-309.

3.11.9 Other Records as Required by the Director

Emery County Landfill will record and retain in the operating record all documentation made with respect to other processes, variances, and violations as required by the State of Utah.

3.12 SUBMITTAL OF ANNUAL REPORT

Emery County Landfill will submit a copy of its annual report to the Director by March 1 of each year for the most recent calendar or fiscal year of facility operation. The annual report will include facility activities during the previous year and will include, at a minimum, the following:

- Name and address of facility.
- Calendar or fiscal year covered by the annual report.
- Annual quantity, in tons or volume, in cubic yards, and estimated in-place density in pounds per cubic yard of solid waste handled for each type of treatment, storage, or disposal facility, including applicable recycling facilities.
- Annual update of required financial assurances mechanism pursuant to Utah Administrative Code R315-309.
- Results of gas monitoring.
- Training programs completed.

3.13 INSPECTIONS

The Landfill Manager, or his/her designee, will inspect the facility to prevent malfunctions and deterioration, operator errors, and discharges that may cause or lead to the release of wastes to the environment or to a threat to human health. These inspections will be conducted on a quarterly basis, at a minimum. An inspection log will be kept as part of the operating record. This log will include at least the date and time of inspection, the printed name and handwritten signature of the inspector, a notation of observations made, and the date and nature of any repairs or corrective actions. Inspection records will be available to the Director or an authorized representative upon request.

3.14 RECORDING WITH COUNTY RECORDER AND THE STATE OF UTAH

Plats and other data, as required by the County Recorder, will be recorded with the Emery County Recorder as part of the record of title no later than 60 days after certification of closure. Additionally, Emery County Landfill will submit proof of record of title filing to the Director.

3.15 STATE AND LOCAL REQUIREMENTS

The Emery County Landfill will maintain compliance with all applicable state and local requirements including zoning, fire protection, water pollution prevention, air pollution prevention, and nuisance control.

3.16 SAFETY

Landfill personnel are required to participate in an ongoing safety program. This program complies with the Occupational Safety and Health Administration (OSHA), and the National Institute of Occupational Safety and Health (NIOSH) regulations as applicable. This program is designed to make the site and equipment as secure as possible and to educate landfill personnel about safe work practices.

First Aid and CPR training is provided to all landfill personnel by the Emery County Road Department Safety Technician every 2 years. The name of each person to have a first aid certificate is posted beside the telephone numbers. It is preferable to have one first aid certified personnel on site during all normal operating hours.

3.17 EMERGENCY PROCEDURES

In the event of an accident or any other emergency situation, the Equipment Operator notifies the Landfill Operator Crewleader who immediately contacts the Landfill Manager and proceeds as directed. If the Landfill Manager is not available, the Landfill Operator Crewleader calls the appropriate emergency number posted by the telephone. The emergency telephone numbers are:

- Emery County Central Dispatch 911
- Fire Department..... 911
- Emery County Sheriff's Office .....(435) 381-2404
- Utah Highway Patrol .....(435) 637-0893
- Castleview Hospital .....(435) 637-4800
- Wayde Nielson, Landfill Manager.....(435) 381-3510

Routine Waste Inspection Form

Date: _____ Time: _____

Truck Type: _____

Hauler: _____ License/Truck #: _____

Source of Material: _____

Other Information: _____

WEATHER: GOOD__ FAIR__ POOR__ WET__ DRY__ WINDY__

Waste Composition

Composition	Percent by Volume (estimated)
Food Wastes	
Paper/Cardboard	
Plastics	
Textiles/Rubber/Leather	
Dirt/Ashes/Brick	
Vegetative Wastes	
Wood	
Glass	
Metals	
Household Hazardous Waste	
Tires	
Drywall	
Other Hazardous Wastes	

Comments:

Inspector Signature: _____

Date: _____

Approval: _____ Date: _____

OFFICE USE ONLY:
TOTAL TONNAGE ____
APPR. ____________

TIRES ______ TONS

RECYCLABLES ______ TONS

EMERY COUNTY
LANDFILL
RECYCLABLES HAULED OUT

MONTH OF ________________, 20_____

CONTRACTORS _____

OTHERS _____

VEHICLE TOTAL _____

DATE	TIME	HAULER	LICENSE #	TARE	GROSS	NET	LOAD DESCRIPTION	I.D.

LOAD

"Do it Yourselfer" Used Oil Collection Log Sheet

Acceptable Oils: Motor Oil Transmission Fluids Hydraulic Oil

Unacceptable Materials: (These cannot be mixed with acceptable oils.)

Anti-Freeze	Gasoline	Parts Cleaner	Solvents	Insecticide
Paints	Varnishes	Thinners	Pesticides	

By filling out this log, I certify my oil only contains "Acceptable Oil" as listed above.

Name	Address (Include City)	Date	Amount in gallons (4 quarts = 1 gallon)
			gallons
			gallons
			gallons
			gallons
			gallons
			gallons
			gallons
			gallons
			gallons
			gallons
			gallons
			gallons
			gallons
			gallons
			gallons
			gallons
			gallons
			gallons
			gallons
			gallons
			gallons
			gallons
			gallons
			gallons

Collection Center Name _____

UOCC # _____ **Address** _____

TOTAL _____ gallons

State of Utah, Division of Solid & Hazardous Waste
P.O. Box 144880 Salt Lake City, UT 84114-4880
Call: 1-800-458-0145 for information or more forms

White Copy – After transport send to the above address **Yellow Copy – Collection Center Files** **Pink Copy – Transporter Copy**

March 2004

FREON EXTRACTION

MONTH ______________________ **YEAR** ________

DATE	FREON TYPE	MAKE	SERIAL #	OUNCES EXTRACTED	ID

OFFICE USE ONLY

TOTAL TONAGE ____________

APPR. ____________________

CITY SANIT. ____________ TONS TIRES ________

E.C.S. ____________ TONS TIRES ________

OTHER ____________ TONS TIRES ________

PUBLIC TIRES ________

CLEAN GREEN ________

OFF SITE

EMERY COUNTY LANDFILL

WASTE DISPOSAL LOG

FRIDGE ______ FREEZER ______

VEHICLES __________

DATE: ______________________

SANITATIONS __________

WEATHER: GOOD _____ FAIR _____ POOR _____

WET _____ DRY _____ WINDY _____

VEHICLE TOTAL __________

TIME	MAKE	LICENSE	GROSS	TARE	NET	CLEAN GREEN	LOAD DESCRIPTION	ID

Emery County Municipal Landfill

HOT LOAD

Weather Conditions: _____

Date of Incident: _____ Time of Incident: _____ am/pm

Name of Carrier bringing in Hot Load: _____

Name of Driver: _____ Drivers License #: _____

Vehicle License #: _____ Vehicle Make or ID #: _____

1. Did driver advise employee that he had a hot load? Yes _____ No _____

   Explain: _____

   A. What instructions were given to the driver? _____

   B. Where was the Hot Load deposited for observation? _____

   C. Were Hot Load procedures followed? Yes _____ No _____ If no explain _____

   D. Did screener communicate Hot Load information to the operator? Yes _____ No _____ If no explain _____

   E. Did operator follow Hot Load to site? Yes _____ No _____ If no explain _____

2. Was the Landfill Supervisor called: Yes _____ No _____ If no explain _____

3. Was the Fire Department called to respond? Yes _____ No _____ If no explain _____

   A. Name of responding Fire Department(s): _____

   B. Number and type of fire units responding: _____

   C. Method used by firefighters: Water _____ Other _____

   If other explain _____

   D. Name of Fire Crew Chief(s) at scene: _____

4. Was the Sheriff's Office called? Yes _____ No _____ If no explain _____

5. Were Landfill operational procedures followed? Yes _____ No _____ If no explain _____

6. Describe incident in detail: _____

7. Was this an avoidable incident? Yes _____ No _____ If yes explain _____

A. How could this incident have been avoided? _____

8. Was there property damage? Yes _____ No _____ If yes explain _____

9. Was damaged property insured: Yes _____ No _____

A. Insurance Company or Agency Name and Policy #: _____

10. Employee comments regarding incident/accident: _____

Operator's Signature _____

Screener's Signature: _____

Supervisor's Signature: _____

Date: _____

EMERY COUNTY

LANDFILL 

P.O. Box 889
367 W. Landfill Rd.
Castle Dale, UT 84513

Telephone: (435) 381-2719
Fax: (435) 381-5239

Moving Toward The Future

METHANE GAS MONITORING

DATE:_____ TIME:_____

LOCATION	GAS DETECTED	NONE
Fence - Northwest Corner	☐ _____	☐
Fence - Northeast Corner	☐ _____	☐
Fence - Southwest Corner	☐ _____	☐
Fence - Southeast Corner	☐ _____	☐
Landfill Office	☐ _____	☐
Landfill Entrance	☐ _____	☐
Block Building	☐ _____	☐
Maintenance Building	☐ _____	☐
Covered Area	☐ _____	☐
Operating Face	☐ _____	☐

_____

Signature

Tailgate Safety Meeting Report

Conducted by:_____ Date: _____

_____

Topic(s):1. _____

2. _____

3. _____

(Write any comments on the back of this sheet)

Meeting Attendance

Print Your Name	Sign Your Name
1.	
2.	
3.	
4.	
5.	
6.	
7.	
8.	
9.	
10.	
11.	
12.	
13.	
14.	
15.	
16.	
17.	
18.	
19.	
20.	

False certification is punishable under section 110 (a) and (f) of the Federal Mine Safety and Health Act

I certify that the above training has been completed

_____

(Signature of person responsible for health and safety training) (Date)

Attachment 3 - Closure and Post Closure

CURRENT AREA OPEN

Section 1.0 - Engineering

(AREA= 304,920 FT SQ)

Item	Description	Unit Measure	Cost/Unit	No. Units	Total Cost
1.1	**Topographic Survey**	LS	$3,500	1	$3,500
1.2	**Boundary Survey for Closure**	NA	$0	0	$0
1.3	**Site Evaluation**	NA	$0	0	$0
1.4	**Development of Plans (Cover)**	LS	$2,000	1	$2,000
1.5	**Contract Administration - (Bidding and Award)**	LS	$0	0	$0
1.6	**Administrative Costs - (Certification of Final Cover and Closure Notice)**	LS	$2,000	1	$2,000
1.7	**Project Management - (Construction Observation and Testing)**	LS	$2,000	1	$2,000
1.8	**Monitor Well Consultant Cost**	NA			$0
1.9	**Other Environmental Permit Costs**	NA			$0
				Engineering Subtotal	$9,500

Section 2.0 - Construction

Item	Description	Unit Measure	Cost/Unit	No. Units	Total Cost
2.1	**Final Cover System**				
2.1.1	***Site Preparation/ Site Regrading***	ACRE	$1,500	7.0	$10,500
2.1.2	*Gas Collection Layer/Pipes*				$0
2.1.3	*Low permeability Layer (Soil - If Applicable)*				
a	Soil Purchase	NA			$0
b	Soil Processing (load)	NA			$0
c	Soil Transportation	NA			$0
d	Soil Placement	NA			$0
e	Soil Amendment (compact)	NA			$0
2.1.4	***Low permeability Layer (Synthetic - If Applicable)***				
a	Geotextile	NA			$0
b	GCL	SQ FT			$0
c	Geomembrane (HDPE,PVC,LLDPE,etc…)	SQ FT			$0
2.1.5	***Drainage Layer (Soil - If Applicable)***				
a	Geotextile	NA			$0
b	Sand/Gravel	NA			$0
2.1.6	***Drainage Layer (Synthetic - If Applicable)***				
a	Geotextile	NA			$0
b	Geonet/Geocomposite	SQ FT			$0
2.1.7	***Erosion Protection Soil Layer***				
a	Soil Purchase	NA			$0
b	Soil Processing (load)	CY	$0.50	5,647	$2,823
c	Soil Transportation	CY	$2.00	5,647	$11,293
d	Soil Placement	CY	$0.75	5,647	$4,235
e	Soil Amendment (compact)	CY			$0
2.1.8	***Topsiol Layer***				
a	Soil Purchase	NA			$0
b	Soil Processing (load)	CY	$0.50	5,647	$2,823
c	Soil Transportation	CY	$2.00	5,647	$11,293
d	Soil Placement	CY	$0.75	5,647	$4,235
e	Soil Amendment	NA			$0
2.1.9	***Revegetation***				
a	Seeding	ACRE	$800	7.0	$5,600
b	Fertilizing	ACRE	$800	7.0	$5,600
c	Mulch	ACRE	$200	7.0	$1,400
d	Tacifier	ACRE	$200	7.0	$1,400
2.2	**Stormwater Protection Structures**				
a	Culverts	NA			$0
b	Pipes	NA			$0
c	Ditches/Berms	FT	$16	500	$8,000
d	Detention Basins	NA			$0
2.3	**Gas Collection System**				
a	Design	NA			$0
b	Additional Gas Collection Wells and Connection	NA			$0
2.4	**Leachate Collection System**				
a	Design	NA			$0
b	Additional Equipment / Installation	NA			$0
2.5	**Groundwater Monitoring System**				
a	Monitor Well Installation	NA			$0
b	Monitor Well Abandonment	NA			$0
2.6	**Site Security**				
a	Lighting, signs, etc…	NA			$0
b	Fencing and Gates	NA			$0
2.7	**Miscellaneous**				
a	Performance Bonds	LS			$0
b	Contract/Legal fees	LS			$0
				Construction Subtotal	$69,203

LS - LUMP SUM
NA - NOT APPLICABLE
EA - EACH
CY - CUBIC YARD
FT - FEET

Total	$78,703
10% Contingency	$7,870
Subtotal Closure Cost	$86,574

LANDFILL POST-CLOSURE COSTS (30 YEARS)

Section 1.0 - Engineering

Item	Description	Unit Measure	Cost/Unit	No. Units	Total Cost
1.1	**Post-Closure Plan**	NA			$0
1.2	**Annual Report** (including results from gas, leachate, and ground water sampling - details of maintenance performed)	LS	$1,000	30	$30,000
a	Quarterly Site Inspections	LS	$640	120	$76,800
b	Plan Update	LS	$1,000	3	$3,000
				Engineering Subtotal	$109,800

Section 2.0 - Gas Collection System - Sampling

Item	Description	Unit Measure	Cost/Unit	No. Units	Total Cost
2.1	**Sample Collection**	LS			$0
2.2	**Sample Analysis**	NA			$0
2.3	**Report** (Part of Annual Report)				
				Gas Collection System - Sampling Subtotal	$0

Section 3.0 - Leachate Collection System - Sampling

Item	Description	Unit Measure	Cost/Unit	No. Units	Total Cost
2.1	**Sample Collection**	LS			$0
2.2	**Sample Analysis**	NA			$0
2.3	**Report** (Part of Annual Report)				
				Leachate Collection System - Sampling Subtotal	$0

Section 4.0 - Ground Water Monitoring System - Sampling

Item	Description	Unit Measure	Cost/Unit	No. Units	Total Cost
3.1	**Sample Collection**	NA			$0
3.2	**Sample Analysis**	NA			$0
3.3	**Report**	NA			$0
				Ground Water Collection System - Sampling Subtotal	$0

Section 5.0 - Facility Operations and Maintenance

Item	Description	Unit Measure	Cost/Unit	No. Units	Total Cost
4.1	**Cover**				
a	Soil Replacement	LS	$5,000	6	$30,000
b	Vegetation/Reseeding	LS	$2,000	6	$12,000
4.2	**Storm Water Protection Structures**				
a	Ditch and Culvert Maintenance	LS	$500	30	$15,000
b	Berm and Basin Maintenance	LS	$500	30	$15,000
4.3	**Gas Collection System**				
a	System Operation	NA			$0
b	System Repair	NA			$0
4.4	**Leachate Collection System**				
a	System Operation	NA			$0
b	System Repair	NA			$0
4.5	**Ground Water Monitoring System**				
a	System Operation	NA			$0
b	System Repair	NA			$0
4.6	**Site Security**				
a	Lighting, signs, etc...	LS	$500	30	$15,000
b	Fencing and Gates	LS	$500	30	$15,000
4.7	**Miscellaneous**				
a					
b					
				Facility Operations and Maintenance Subtotal	$102,000

Total	$211,800
10% Contingency	$21,180
Total Post-Closure Cost	$232,980

LANDFILL CLOSURE AND POST-CLOSURE COSTS

Closure of Largest Area Open			
	Section 1.0 - Engineering	$9,500	
	Section 2.0 - Construction	$69,203	
	10% Contingency	$7,870	
	Subtotal		$86,574
Landfill Post-Closure Costs (30 years)			$232,980
TOTAL LANDFILL CLOSURE AND POST-CLOSURE COSTS			$319,554

2020

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-EMERY COUNTY LANDFILL
EMERY COUNTY TREASURER
PO BOX 595
CASTLE DALE UT 84513

Account	Account Period
2576	December 01, 2020 through December 31, 2020

Summary

Beginning Balance	$ 390,933.78	Average Daily Balance	$ 390,933.78
Deposits	$ 162.52	Interest Earned	$ 162.52
Withdrawals	$ 0.00	360 Day Rate	0.4828
Ending Balance	$ 391,096.30	365 Day Rate	0.4895

Date	Activity	Deposits	Withdrawals	Balance
12/01/2020	FORWARD BALANCE	$ 0.00	$ 0.00	$ 390,933.78
12/31/2020	REINVESTMENT	$ 162.52	$ 0.00	$ 391,096.30
12/31/2020	ENDING BALANCE	$ 0.00	$ 0.00	$ 391,096.30

Statement of Basis
for the Emery County Municipal
Solid Waste Class I Landfill Permit Renewal

1. INTRODUCTION

   This Statement of Basis provides the rationale of the Director of the Division of Waste Management and Radiation Control (DWMRC) for issuing the renewal permit for the Emery County Municipal Solid Waste Class I Landfill. The Director's staff conducted this evaluation to ensure compliance with the applicable Solid Waste Rules. Doug Taylor wrote this Statement of Basis.

2. FACILITY BACKGROUND

   a. Facility Location and History

      The facility is located approximately two and one-half miles northwest of Orangeville on State Road 29 and 0.7 miles South on County Landfill Road, Castle Dale, Emery County, Utah as shown in Figure 1.

   b. Regulatory History

      The present location of the Emery County Class I landfill facility has been receiving waste since 1983 as the original Emery County Landfill under the older regulations. It was grandfathered in at its present location when the present Solid Waste Rules were promulgated and was permitted in 1998. A bottom liner exemption request was granted in the 1998 permit because the landfill lies on approximately 3000 feet of Cretaceous Mancos Shale (1995-005721) and because of the semi-arid climate that exists at that location.

3. EVALUATION OF THE PERMIT APPLICATION

   a. The renewal permit application (DSHW-2021-018181) for the Facility was received October 20, 2021, at which time the evaluation of the permit application was begun. The DWMRC deemed the permit application to be complete in November of 2021 and a draft permit for the facility and completeness letter was sent by to the permit applicant on December 21, 2021 (DSHW-2021-021322). The applicant reviewed the document and responded by email to approve the draft permit. The public comment period began on February 3, 2022 and ended on March 4, 2022 (DSHW-2022-000342). No comments were received.

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 and Hazardous Waste Rules.

5. PUBLIC PARTICIPATION

   a. As required by Utah Administrative Code R315-311-3, the Director provided a 30-day public comment period on the draft permit, which ran from February 3, 2022 through March 4, 2022 (DSHW-2022-000342). No comments were received.

6. CONCLUSION

   The Director has determined that the applicant has met all required items in the renewal permit application.

Figure 1
Emery County Municipal Solid Waste Class I Landfill Location