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DIAM DIVISION OF  
SOLID & HAZARDOUS WASTE  
2008-0366

Piute County Special Service District  
P O Box 99  
Junction, Utah 84740

March 10, 2008

Mr. Dennis Downs  
Executive Secretary,  
Division of Solid and Hazardous Waste  
P.O. Box 144880  
Salt Lake City, Utah 84114-4880

Re: Marysvale Class IV Landfill.

Dear Mr. Downs:

Enclosed are the necessary permit renewal documents for the Marysvale Class IV Landfill.

The Piute County Special Service District certifies under penalty of law that the documents and attachments were prepared under the District's direction in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on the District's inquiry of those who manage the system or are directly responsible for gathering the data, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. The District is aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

If you have any questions or concerns please contact Brian Bremner at (435) 676-1119. We thank you in advance for your cooperation.

Sincerely,



Verl Bagley, Chair  
Piute County Special Service District

## Utah Class IV and VI Landfill Permit Application Form

<b>Part I General Information</b> APPLICANT: PLEASE COMPLETE ALL SECTIONS.					
<b>I. Landfill Type</b>	<input type="checkbox"/> Class IVa	<input checked="" type="checkbox"/> Class IVb	<b>II. Application Type</b>	<input type="checkbox"/> New Application	<input type="checkbox"/> Facility Expansion Modification
	<input type="checkbox"/> Class VI			<input checked="" type="checkbox"/> Renewal Application	<input type="checkbox"/>
For Renewal Applications, Facility Expansion Applications and Modifications Enter Current Permit Number _____					
<b>III. Facility Name and Location</b>					
Legal Name of Facility Marysvale Class IV Landfill					
Site Address (street or directions to site) East of Marysvale, near shooting range				County Piute	
City    Marysvale		State    UT	Zip Code    84750	Telephone    (435) 577-2840	
Township    27	Flange    3	Section(s)    21	Quarter/Quarter Section    SW	Quarter Section    NW	
Main Gate Latitude    degrees    38    minutes    27    seconds    2			Longitude    degrees    112    minutes    12    seconds    58		
<b>IV. Facility Owner(s) information</b>					
Legal Name of Facility Owner Piute Co. Special Service District					
Address (mailing) P.O. Box 99, 550 North Main					
City    Junction		State    UT	Zip Code    84740	Telephone    (435) 577-2840	
<b>V. Facility Operator(s) Information</b>					
Legal Name of Facility Operator Piute Co. Special Service District					
Address (mailing) P.O. Box 99, 550 North Main					
City    Junction		State    UT	Zip Code    84740	Telephone    (435) 577-2840	
<b>VI. Property Owner(s) information</b>					
Legal Name of Property Owner Piute Co. Special Service District					
Address (mailing) P.O. Box 99, 550 North Main					
City    Junction		State    UT	Zip Code    84740	Telephone    (435) 577-2840	
<b>VII. Contact Information</b>					
Owner Contact    Valeen Brown			Title    Co. Clerk		
Address (mailing) P.O. Box 99, 550 North Main					
City    Junction		State    UT	Zip Code    84740	Telephone    (435) 577-2840	
Email Address			Alternative Telephone (cell or other)		
Operator Contact    Valeen Brown			Title    Co. Clerk		
Address (mailing) P.O. Box 99, 550 North Main					
City    Junction		State    UT	Zip Code    84740	Telephone    (435) 577-2840	
Email Address			Alternative Telephone (cell or other)		
Property Owner Contact    Valeen Brown			Title    Cc. Clerk		
Address (mailing) P.O. Box 99, 550 North Main					
City    Junction		State	Zip Code    84740	Telephone    (435) 577-2840	
Email Address			Alternative Telephone (cell or other)		

## Utah Class IV and VI Landfill Permit Application Form

Part I General information (Continued)																																									
<b>VIII. Waste Types</b> (check all that apply) <input checked="" type="checkbox"/> Landfill will accept all wastes allowed in Class IV or VI landfills Or landfill will accept only the following wastes <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Waste Type</td> <td style="width: 33%;">Combined Disposal Unit</td> <td style="width: 33%;">Monofill Unit</td> </tr> <tr> <td><input type="checkbox"/> Construction &amp; Demolition</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/> Tires</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/> Yard Waste</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/> Animals</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/> Contaminated Soil</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/> Other _____</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </table> Note: Disposal of dead animals must be approved by the Executive Secretary	Waste Type	Combined Disposal Unit	Monofill Unit	<input type="checkbox"/> Construction & Demolition	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Tires	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yard Waste	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Animals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Contaminated Soil	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Other _____	<input type="checkbox"/>	<input type="checkbox"/>	<b>IX. Facility Area</b> <table style="width: 100%; border: none;"> <tr> <td>Facility Area.....</td> <td style="text-align: right;"><u>20</u></td> <td style="text-align: right;">acres</td> </tr> <tr> <td>Disposal Area.....</td> <td style="text-align: right;"><u>5</u></td> <td style="text-align: right;">acres</td> </tr> <tr> <td>Design Capacity</td> <td></td> <td></td> </tr> <tr> <td style="padding-left: 20px;">Years.....</td> <td style="text-align: right;"><u>10</u></td> <td></td> </tr> <tr> <td style="padding-left: 20px;">Cubic Yards.....</td> <td style="text-align: right;"><u>528000</u></td> <td></td> </tr> <tr> <td style="padding-left: 20px;">Tons.....</td> <td style="text-align: right;"><u>237600</u></td> <td></td> </tr> </table>		Facility Area.....	<u>20</u>	acres	Disposal Area.....	<u>5</u>	acres	Design Capacity			Years.....	<u>10</u>		Cubic Yards.....	<u>528000</u>		Tons.....	<u>237600</u>	
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<b>X. Fee and Application Documents</b>																																									
Indicate Documents Attached To This Application <input checked="" type="checkbox"/> Facility Map or Maps <input type="checkbox"/> Ground Water Report	<input type="checkbox"/> Application Fee: Amount \$ <input checked="" type="checkbox"/> Facility Legal Description <input checked="" type="checkbox"/> Closure Design	<input checked="" type="checkbox"/> Plan of Operation <input checked="" type="checkbox"/> Cost Estimates <input checked="" type="checkbox"/> Waste Description <input checked="" type="checkbox"/> Financial Assurance Class VI Special Requirements <input type="checkbox"/> Documents required by UCA 19-6-108(9) and (10)																																							
<b>I HEREBY CERTIFY THAT THIS INFORMATION AND ALL ATTACHED PAGES ARE CORRECT AND COMPLETE.</b>																																									
Signature of Authorized Owner/Representative _____ Name typed or printed	Title <b>Chair, Piute SSD</b>	Date <b>March 10, 2008</b>																																							
Address <b>P.O. Box 99, Junction, Utah</b>																																									
Signature of Authorized Land Owner Representative (if applicable) _____ Name typed or printed	Title <b>Chair, Piute SSD</b>	Date <b>March 10, 2008</b>																																							
Address <b>P.O. Box 99, Junction, Utah</b>																																									
Signature of Authorized Operator Representative (if applicable) _____ Name typed or printed	Title <b>Chair, Piute SSD</b>	Date <b>March 10, 2008</b>																																							
Address <b>P.O. Box 99, Junction, Utah</b>																																									

Utah Class IV and VI Landfill Permit Application Checklist

**Important Note:** The following checklist is for the permit application and addresses only the requirements of the Division of Solid and Hazardous Waste. Other federal, state, or local agencies may have requirements that the facility must meet. The applicant is responsible to be informed of, and meet, any applicable requirements. Examples of these requirements may include obtaining a conditional use permit, a business license, or a storm water permit. The applicant is reminded that obtaining a permit under the *Solid Waste Permitting and Management Rules* does not exempt the facility from these other requirements.

An application for a permit to construct and operate a landfill is the documentation that the landfill will be located, designed, constructed, and operated to meet the requirements of Rules R315-305 of the *Utah Solid Waste Permitting and Management Rules* and the *Utah Solid and Hazardous Waste Act* (UCA 19-6-101 through 123). The application should be written to be understandable by regulatory agencies, landfill operators, and the general public. The application should also be written so that the landfill operator, after reading it, will be able to operate the landfill according to the requirements with a minimum of additional training.

Copies of the *Solid Waste Permitting and Management Rules*, the *Utah Solid and Hazardous Waste Act*, along with many other useful guidance documents can be obtained by contacting the Division of Solid and Hazardous Waste at 801-538-6170. Most of these documents are available on the Division's web page at [www.hazardouswaste.utah.gov](http://www.hazardouswaste.utah.gov). Guidance documents can be found at the solid waste section portion of the web page.

When the application is determined to be complete, the original complete application and one copy of the complete application are required along with an electronic copy.

**Part II Application Checklist**

<b>I. Facility General Information</b>	
Description of Item	Location in Document
<b>Ia. General Information - All Facilities</b>	
Completed Part I General information form above	Attached
General description of the facility (R315-310-3(1)(b))	p 2
Legal description of property (R315-310-3(1)(c))	p 2
Proof of ownership, lease agreement, or other mechanism (R315-310-3(1)(c))	on file
If the permit application is for a Class IV landfill, a demonstration that the landfill is not a commercial facility	N/A
Waste type and anticipated daily volume (R315-310-3(1)(d))	p 2, 3
Intended schedule of construction (R315-302-2(2)(a))	p 11
<b>Ib. General Information - New Or Laterally Expanding Facilities</b>	
Documentation that the <i>Historical Survey</i> requirements of R315-302-1(2)(f) have been met (R315-305-4(1)(b)(vi))	N/A
Name and address of all property owners within 1000 feet of the facility boundary (R315-310-3(2)(i))	N/A
Documentation that a notice of intent to apply for a permit has been sent to all property owners listed above (R315-310-3(2)(ii))	N/A

**Utah Class IV and VI Landfill Permit Application Checklist**

<b>I. Facility General information</b>	
Description of item	Location In Document
Name of the local government with jurisdiction over the facility site (R315-310-3(2)(iii))	N/A
<b>1c. Location Standards - New Or Laterally Expanding Class IVa Landfills (R315-305-4(1)(a))</b>	
Land use compatibility	N/A
Maps showing the existing land use, topography, residences, parks, monuments, recreation areas or wilderness areas within 1000 feet of the site boundary	N/A
Certifications that no ecologically or scientifically significant areas or endangered species are present in site area	N/A
Maps showing the location of dwellings, residential areas, other structures, and historic structures.	N/A
List of airports within five miles of facility and distance to each	N/A
<b>Geology</b>	N/A
Geologic maps showing significant geologic features, faults, and unstable areas	N/A
Maps showing site soils	N/A
<b>Surface water</b>	N/A
Magnitude of 24 hour 25 year and 100 year storm events	N/A
Average annual rainfall	N/A
Maximum elevation of flood waters proximate to the facility	N/A
Maximum elevation of flood water from 100 year flood for waters proximate to the facility	N/A
<b>Wetlands</b>	N/A
<b>Ground water</b>	N/A
<b>1d. Location Standards - New Or Laterally Expanding Class IVb and VI Landfills</b>	
Floodplains as specified in R315-302-1(2)(c)(ii) (R315-305-4(1)(b)(i))	N/A
Wetlands as specified in R315-302-1(2)(d) (R315-305-4(1)(b)(ii))	N/A
The landfill is located so that the lowest level of waste is at least ten feet above the historical high level of ground water (R315-305-4(1)(b)(iii))	N/A
Geology as specified in R315-302-1(2)(b)(i) and (iv) (R315-305-4(1)(b)(iv))	N/A
<b>1e. Additional Location Standards - New Or Laterally Expanding Class IVb and VI Landfills Or Landfills Requesting That Dead Animals Be Added As A New Waste Stream (R315-305-4(1)(a)(v))</b>	
Maps showing the existing land use, topography, residences, parks, monuments, recreation areas or wilderness areas within 1000 feet of the site boundary	N/A

## Utah Class IV and VI Landfill Permit Application Checklist

<b>I. Facility General Information</b>	
Description of Item	Location In Document
Certifications that no ecologically or scientifically significant areas or endangered species are present in site area	N/A
Maps showing the location of dwellings, residential areas, other structures, and historic structures.	N/A
List of airports within five miles of facility and distance to each	N/A
<b>If. Plan Of Operations - All Facilities (R315-310-3(1)(e) and R315-302-2(2))</b>	
Description of on-site waste handling procedures and an example of the form that will be used to record the weights or volumes of waste received (R315-302-2(2)(b) And R315-310-3(1)(f))	p11
Schedule for conducting inspections and monitoring, and examples of the forms that will be used to record the results of the inspections and monitoring (R315-302-2(2)(c), R315-302-2(5)(a), and R315-310-3(1)(g))	p13
Contingency plans in the event of a fire or explosion (R315-302-2(2)(d))	p13
Plan to control fugitive dust generated from roads, construction, general operations, and covering the waste (R315-302-2(2)(g))	p6
Plan for letter control and collection (R315-302-2(2)(h))	N/A
Procedures for excluding the receipt of prohibited hazardous or PCB containing waste (R315-302-2(2)(j))	p17
Procedures for controlling disease vectors (R315-302-2(2)(k))	p15
A plan for alternative waste handling (R315-302-2(2)(l))	p15
A general training and safety plan for site operations (R315-302-2(2)(o))	p16
Any recycling programs planned at the facility (R315-303-4(6))	p17
Any other site specific information pertaining to the plan of operation required by the Executive Secretary (R315-302-2(2)(o))	N/A
<b>Ig. Additional Plan Of Operation Requirements - Class IVa Facilities</b>	
Corrective action programs to be initiated if ground water is contaminated (R315-302-2(2)(e))	N/A
<b>II Facility Technical Information</b>	
<b>IIa. Maps - All Facilities</b>	
Topographic map drawn to the required scale with contours showing the boundaries of the landfill unit, ground water monitoring well locations, gas monitoring points, and the borrow and fill areas (R315-310-4(2)(a)(i))	plan
Most recent U.S. Geological Survey topographic map, 7-1/2 minute series, showing the waste facility boundary; the property boundary; surface drainage channels; any existing utilities and structures within one-fourth mile of the site; and the direction of the prevailing winds (R315-310-4(2)(a)(ii))	Exhibit 6

**Utah Class IV and VI Landfill Permit Application Checklist**

<b>I. Facility General Information</b>	
Description of item	Location in Document
<b>IIb. Geohydrological Assessment - Class IVa Landfills (R315-310-4(2)(b))</b>	
Local and regional geology and hydrology including faults, unstable slopes and subsidence areas on site (R315-310-4(2)(b)(i))	N/A
Evaluation of bedrock and soil types and properties including permeability rates (R315-310-4(2)(b)(ii))	N/A
Depth to ground water (R315-310-4(2)(b)(iii))	N/A
Quantity, location, and construction of any private or public wells on-site or within 2,000 feet of the facility boundary (R315-310-4(2)(b)(v))	N/A
Tabulation of all water rights for ground water and surface water on-site and within 2,000 feet of the facility boundary (R315-310-4(2)(b)(vi))	N/A
Identification and description of all surface waters on-site and within one mile of the facility boundary (R315-310-4(2)(b)(vii))	N/A
For an existing facility, identification of impacts upon the ground water and surface water from leachate discharges (R315-310-4(2)(b)(viii))	N/A
Calculation of site water balance (R315-310-4(2)(b)(ix))	N/A
<b>IIc. Engineering Report, Plans, Specifications, And Calculations - All Facilities</b>	
Unit design to include cover design; fill methods; and elevation of final cover including plans and drawings signed and sealed by a professional engineer registered in the State of Utah, when required (R315-310-3(1)(b) and R315-310-4(2)(c)(iii))	plan
Design and location of run-on and run-off control systems (R315-310-4(2)(c)(viii))	plan
Anticipated facility life and the basis for calculating the facility's life (R315-310-4(2)(c)(ii))	p 8, 11
Engineering reports required to meet the location standards of R315-305-4 including documentation of any demonstration or exemption made for any location standard (R315-310-4(2)(c)(i))	N/A
Identification of borrow sources for final cover (R315-310-4(2)(c)(iv))	plan
Run-off collection, treatment, and disposal and documentation to show that any treatment system is being or has been reviewed by the Division of Water Quality (R315-310-4(2)(c)(v) and R315-310-3(1)(i))	N/A
<b>IIId. Closure Requirements - All Facilities</b>	
CLOSURE PLAN (R315-310-3(1)(h))	p 8, 9
Closure schedule (R315-310-4(2)(d)(i))	p 8
Design of final cover (R315-310-4(2)(c)(iii))	p 8

## Utah Class IV and VI Landfill Permit Application Checklist

<b>I. Facility General Information</b>	
Description of Item	Location in Document
Capacity of site in volume and tonnage (R315-310-4(2)(d)(ii))	p 8
Final inspection by regulatory agencies (R315-310-4(2)(d)(iii))	p 9
<b>IIe. Post-Closure Requirements- All Facilities</b>	
POST-CLOSURE CARE PLAN (R315-310-3(1)(h))	p 16
Changes to record of title, land use, and zoning restrictions (R315-310-4(2)(e)(ii))	p 6
Maintenance activities to maintain cover and run-on/run-off control systems (R315-310-4(2)(e)(iii))	p 16
List the name, address, and telephone number of the person or office to contact about the facility during the post-closure care period (R315-310-4(2)(e)(vi))	p 1
<b>II f. Financial Assurance - All Facilities (R315-310-3(1)(j))</b>	
Identification of closure costs including cost calculations (R315-310-4(2)(d)(iv))	p 18
Identification of post-closure care costs including cost calculations (R315-310-4(2)(e)(iv))	p 18
Identification of the financial assurance mechanism that meets the requirements of Rule R315-309 and the date that the mechanism will become effective (R315-309-1(1))	p 18

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**PERMITTING DOCUMENTS**  
**MARYSVALE CLASS IV LANDFILL**

**JANUARY 2008**

**PREPARED BY: BEEHIVE ENTERPRISES**

**APPLICATION FOR THE  
MARYSVALE CLASS IV LANDFILL**

**2008**

**PREPARED BY: BEEHIVE ENTERPRISES, INC.  
PANGUITCH, UTAH**

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**EXHIBITS**

EXHIBIT #1	General Vicinity Map
EXHIBIT #2	Project Location Map
EXHIBIT #3	Service Area
EXHIBIT #4a-b	Daily Record Forms
EXHIBIT #5	Quarterly Inspection Log
EXHIBIT #6	Landfill Map

## APPLICATION

### INTRODUCTION

This report serves as the application renewal for the Marysvale Class IV Landfill located approximately 1/2 mile East of US 89 in Marysvale, Utah. The purpose of the application is to comply with Administrative Rules of the Utah Solid and Hazardous Waste Committee, Utah Department of Environmental Quality.

The Town of Marysvale currently owns approximately 38.75 acres and has set aside the southern and eastern portions of the property for operation of a Class IV Landfill / Source Reduction Site. The facility complies with Piute County's solid waste management plan and is capable of servicing the community's current and future needs. The site is located in an area which accommodates residents of northern Piute County and permits monitoring on a regular basis. In addition, the site is relatively isolated, has sloping topography, and has positive characteristics when considering precipitation, and available cover material. Exhibit 1 is a general vicinity map depicting the proposed site.

### RESPONSIBLE PARTIES

The applicant and responsible party for site operation is:

Piute County Special Service District  
Piute County Courthouse  
Junction, Utah 84740  
Attn: Valeen Brown  
Phone: (801) 577-2840  
Fax: (801) 577-2628

The property owner is :

Marysvale Town  
249 North 200 West  
Marysvale, Utah 84750  
Phone: (801) 326-4213

Technical questions and comments regarding the application can be directed to:

Brian B. Bremner  
P.O. Box 59  
Panguitch, Utah 84759

It should be noted the Piute County Solid Waste Special Service District has developed cooperative solid waste disposal agreements with other governmental entities within its boundaries. Future agreements and alternate management scenarios may require modification of this section of the permit. In addition, the District may contract site operations with private entities or haulers. Piute County Solid Waste Special Service District will notify the Executive Secretary of any changes in responsible party status at least 30 days prior to their effective date.

#### GENERAL DESCRIPTION

The Marysvale Class IV Landfill is a natural attenuation facility designed to fulfill the current and future inert solid waste disposal needs of northern Piute County, Utah. The facility encompasses a total of 38.75 acres and contemplates initial service to Marysvale, Thompsonville, Big Rock Candy Mountain and unincorporated areas under the jurisdiction of the Piute County Commission. Annual average waste volumes are estimated at less than 5 tons per day, and precipitation is less than 10 inches per year. Facility plans are included in other sections of this document.

#### LEGAL DESCRIPTION

The site is legally described as the Southwest 1/4 of the Northwest 1/4, Section 21, Township 27 South, Range 3 West, Salt Lake Base and Meridian; less and excepting a parcel beginning at the western 1/4 corner and running 201.3' North; thence 264' east; thence 201.3' south; thence 264' west to the point of beginning, containing 1.25 acres, more or less; and less and excepting that portion of the property occupied by the Marysvale Town Cemetery.

The facility is located on property owned by Marysvale Town and utilized in their solid waste collection program. Portions of the property currently serving as the Marysvale Town Cemetery are not considered part of this application. A project location map is included as Exhibit 2.

The facility's main gate will be located on an existing county road 112° 12' 58" longitude and 38° 27' 2" latitude ( 500 ft. north of the West 1/4 corner of Section 21, Township 27 South, Range 3 West ). Lands located East and South of the proposed facility are considered multiple use lands controlled by the Bureau of Land Management ( BLM ). The closest private land exists adjacent to the proposed site on the North and West.

No formal zoning ordinances exist in the vicinity of the proposed Class IV landfill. An expanded zoning process is being considered by Marysvale Town; future policies and ordinances will accommodate the Marysvale Class IV Landfill as they are adopted.

#### WASTE TYPES/AREA TO BE SERVED

Waste accepted by the Marysvale Class IV Landfill will be comprised of inert waste, construction/demolition waste, yard waste, dead animals, tires or tire derived material, and other waste approved by the Executive Secretary. The facility will also temporarily store recyclable materials prior to transportation to regional facilities. Special waste shall only be accepted and handled in accordance with Administrative Rule R315 and subject to the conditions of this permit.

Dead animals are the only special waste authorized for permanent disposal at the Marysvale Class IV Landfill. Dead animals received at the facility shall be deposited onto the working face at or near the bottom of the cell with other solid waste, or in a separate disposal trench and will be covered daily with a minimum of six inches of earth to prevent odors and the propagation and harborage of rodents and insects.

Bulky wastes such as car bodies, furniture, and appliances will be stored in a separate area of the landfill for future disposal at a permitted Class I, II, or V Landfill or for recycling. Other special wastes identified in the regulations will not be accepted at the facility unless specifically authorized by the Executive Secretary.

The service area may consist of all lands within the legal boundaries of Piute County. However, considering the location of the facility and additional solid waste disposal facilities permitted in other areas of the County, it is anticipated the service area will be practically limited to the residents of northwestern Piute County. Exhibit 3 illustrates the service area for the Marysvale Class IV Landfill.

#### PLAN OF OPERATION

The plan of operation required by Subsection R315 can be found in other portions of this application.

#### REQUIRED FORMS

The daily record form used to record weights of volumes of waste received required by Subsection R315 is included as Exhibit 4a. The form for recording inspections for hazardous and PCB wastes is included as Exhibit 4b.

## INSPECTIONS

The owner or operator will inspect the facility to prevent malfunctions, deterioration, operation errors, and discharges which may result in the release of wastes to the environment or a threat to human health. The owner or operator will conduct these inspections at least once each quarter and will complete the inspection log included as Exhibit 5. The inspection log will be kept for a minimum of 3 years from the date of inspection.

The Executive Secretary or any duly authorized officer, employee or representative of the Board may, at any reasonable time the facility is open and upon presentation of acceptable credentials, enter the facility for inspection purposes. Copies of all sampling, monitoring, and testing records, including photographic, video, and electronic data, and all data, communications, and results of the inspection shall be furnished to the owner and to the operator within a reasonable time. An inspection report containing a list of any deficiencies and recommended actions will be furnished to the owner and to the operator within a reasonable time. The inspector may also discuss problems and make preliminary recommendations prior to leaving the facility.

## WATER QUALITY REVIEW

State regulations allow the Division of Water Quality to permit landfills by rule. Therefore, a groundwater discharge permit is not required. In addition, the Marysvale Class IV Landfill is not subject to location and groundwater standards imposed for other classes of landfills. No leachate collection devices are planned for the Marysvale Class IV landfill.

## FINANCIAL ASSURANCE

A detailed financial assurance plan as required by R315 is included in other sections of this document. The Marysvale Class IV Landfill has established a dedicated escrow account with satisfactory controls approved by the Executive Secretary for financial assurance sufficient to assure adequate closure. Withdrawal and use of the funds may be for closure and post closure operations with the approval of the Executive Secretary. Funds that exceed the minimum amount for closure and post closure care may also be used for other landfill purposes with the approval of the Executive Secretary. Minimum payments of \$4,000.00 per year will be made until the account achieves a \$20,900.00 balance. Piute County reserves the right to alter the financial assurance mechanism as bonds, insurance, guarantees or other vehicles approved by the Executive Secretary become available.



## PRELIMINARY ENGINEERING REPORT

### REQUIRED MAPPING

A map complying with the requirements of R315 depicting the boundaries of the landfill unit, borrow areas and fill areas was included as Exhibit 6 of the original permit application. The map has been updated and is included herein. Groundwater monitoring wells and landfill gas monitoring points are not required for Class IV landfills and do not appear on the map.

A USGS topographic map complying with the requirements of R315 was also included with the original and current permit applications.

### ZONING STATUS

No formal zoning ordinances exist in the vicinity of the Marysvale Class IV landfill. As an expanded zoning process is considered, future policies and ordinances will accommodate the Marysvale Class IV Landfill.

### SOLID WASTE MANAGEMENT COMPLIANCE

The Piute County Solid Waste Management Plan required by Senate Bill 255 identifies the need for development of several Class IV landfills capable of long term service in the planning area. The plan further recommends that development of the facilities be made a top priority in the coming years. The Marysvale Class IV Landfill is the fulfillment of that recommendation and is in complete compliance with the County's Solid Waste Management Plan.

### SERVICE AREA

The service area for the Marysvale Class IV Landfill may consist of all lands within the legal boundaries of Piute County. However, considering the location of the facility and additional solid waste disposal facilities being permitted in other areas of the county, it is anticipated the service area will be practically limited to the residents of northwestern Piute County. Exhibit 3 illustrates the service area for the Marysvale Class IV Landfill.

### RECORDED PLATS

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 not later than 60 days after certification of closure.

Records and plans specifying solid waste amounts, location and periods of operation may be kept and may be available for public inspection.

#### ACCEPTABLE WASTE TYPES

The Marysville Class IV Landfill will not accept for disposal any other form of waste except construction/demolition waste, yard waste, inert waste, dead annuals, tires or tire derived materials. Recyclable metals and other commodities may be temporarily stored in designated areas of the facility until they can be transported to an authorized recycling/disposal facility.

#### ACCESS CONTROL

Owners and operators of the Marysville Class IV Landfill will employ measures to prevent the disposal of unauthorized waste by insuring that at least one person is onsite during hours of operation. Unauthorized access for disposal purposes during closed periods will be prevented by controlling entry. Unauthorized human access will be prevented by lockable gates, fences, natural barriers, berms, and other methods. It is recognized that no landfill is impenetrable. Conditions which compromise access control will be identified and discussed during regulatory inspections and appropriate measures will be employed to insure access to the facility is reasonably controlled. The current path that skirts the left gate post will be closed with additional fencing.

#### EMISSION PREVENTION

Appropriate measures to prevent emissions of fugitive dusts will be employed when weather conditions or climate indicate that transport of dust off-site is liable to create a nuisance. Preventative measures may include watering access roads and covering wastes with soil.

#### FIRE PREVENTION

The hazard of unauthorized fires will be reduced by covering wood, timbers, and other combustible material with soil as needed. A specific portion of the landfill will be set aside for yard wastes. These wastes may be burned during appropriate times of the year (March 30 - May 30 and Sept. 15 - Oct. 30) or chipped for future use. Burning will only be conducted under the direction of the Town Fire Marshall and in accordance with State Law.

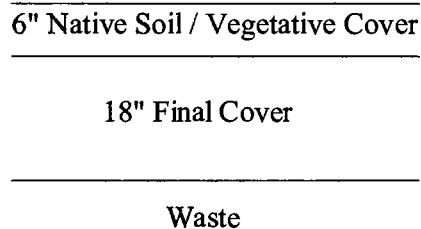
#### CLOSURE

Closure operations will be performed on an ongoing basis. When a portion of the landfill

attains final elevation, and sufficient working area exists to place final cover, closure operations will be initiated. Closure will consist of leveling the wastes to the extent practicable and filling any voids posing a physical hazard. Contouring which minimizes erosion and necessary to produce an aesthetic appearance will also be conducted. Wastes will then be covered with a minimum of two feet of soil, including six inches of native material. An alternate cover system may be implemented, if it can be demonstrated it meets applicable standards. Construction of the final cover will be performed with onsite personnel or may be contracted with private enterprise.

Closed portions of the landfill may be seeded with grass, other shallow rooted vegetation, other native vegetation, or covered in another manner approved by the Executive Secretary. Closed areas will be randomly examined as part of the quarterly inspection. Erosion control measures include initial contouring to minimize erosion and repair of erosion deficiencies identified as part of the regular inspection process. Any deficiencies, including erosion, will be repaired as soon as practical. For those failures which jeopardize the environmental integrity of the facility, corrective measures will be initiated immediately.

No alternate land use for closed sections has been developed to date. Closed cells will remain under the jurisdiction of the landfill manager and the property owner. If alternate land use plans are developed, they will be addressed during the permit renewal process, or a separate permit modification may be submitted. The final cover design illustration is as follows:



## CLOSURE PLAN

### CLOSURE SEASON AND YEAR

Closure operations at the Marysville Class IV Landfill will be performed on an ongoing basis. Adequate capacity exists at the landfill to continue operation for many years. A final closing date cannot be determined at this time. Ongoing closure operations will generally be performed from May through October, the normal frost free construction period, or as weather permits. No area larger than 0.5 acres that has achieved final elevation will remain open longer than 6 months.

### FINAL COVER, SEEDING, CONTOURING

Closure operations will consist of leveling, contouring, placement of appropriate covers and seeding as necessary to reduce infiltration and preserve the integrity of the completed areas of the landfill. Areas of the landfill reaching final elevation will be closed within 6 months. Closure operations will include levelling and contouring using intermediate cover to reduce infiltration and ponding. Excess material may be stripped and utilized in other operations or left in place. After grading operations promoting drainage are complete, earthen material which increases the total cover depth to 2 feet including 6 inches of native material will be installed. Upon completion of the covering operations, closed areas will be seeded. The seed mixture shall be developed after consultation with local range specialists and verifying availability of local seed markets. Recently closed sections of the landfill will be evaluated as part of the quarterly inspection process and will be placed on postclosure status.

Areas used for temporary storage will be cleared of any remaining debris and contoured to slopes flatter than 2:1. Seeding will be conducted only when consistent with soil types, moisture, and vegetative viability.

### SITE CAPACITY

Site capacity for the entire Marysville Class IV Landfill cannot be accurately estimated. Assuming an initial 20 acre parcel, trench style operation ( 40 ft. bottom width, 4:1 side slopes, 30 ft. depth ), three 8.5 foot lifts of waste with 1.5 foot intermediate cover, and an average density of 900 lbs. per cubic yard, waste volumes can be estimated at 528,000 cubic yards or 237,600 tons.

### ACTIVE FILL VERSUS CLOSED AREA

The active area of the Marysville Class IV Landfill is not anticipated to exceed 0.5 acres. Current operations are confined to less than 0.2 acres. The closed portion of the landfill will initially

be 0 acres and may increase as much as 0.5 acres per year during the life of the facility. For the ten-year life of this permit the closed to active ratio would range from 0 to 25.

### CLOSURE TIMING AND NOTIFICATION

Closure activities at the Marysvale Class IV Landfill will be performed on an ongoing basis. The Executive Secretary will be notified of closure progress by reviewing annual reports, and by contacting Division of Solid and Hazardous Waste inspectors who have visited the site. Considering the ongoing nature of closure operations and the justification for performing closure operations as a cell reaches final elevation, alternate notification procedures may not be feasible.

### INSPECTIONS

Inspections by regulatory agencies shall be as described in other sections of this permit. The permittee shall allow the Executive Secretary of the Utah Solid and Hazardous Waste Control Board or an authorized representative, including representatives from the local District Health Department, upon presentation of appropriate credentials, to enter during operating hours and/or inspect at reasonable times any facilities, equipment, practices, or operations regulated or required under this permit.

A record of the inspection may be made by photographic, videotape, electronic or other reasonable means and a copy of any such record shall be provided to the owner and the operator.

### CLOSURE COSTS AND MECHANISMS

Closure costs were estimated using regional cost data and projections for a third party to perform the work and considering the largest area of the disposal facility requiring final cover during the operating period. Closure operations will consist of an 18" infiltration layer and a 6" vegetative layer on an area not exceeding 20,000 sq. ft., seeding and administration. Closure costs are estimated at \$6,300.00. The funding mechanism is a dedicated escrow account.

### RUNON AND RUNOFF SYSTEMS

No technical devices are proposed to control runoff and runoff systems at the Marysvale Class IV Landfill. Contouring, natural topography and best management practices will be implemented to optimize infiltration and assure the integrity of the runoff/runoff system. Runoff and runoff from events smaller than the 25-year storm will be controlled.

Runoff control consists of natural topography and embankment style construction along the

southern and western edges of the active area and utilizes natural topography and contouring on the east and north to intercept any surface waters and channelize potential runoff away from areas containing waste. Inside the landfill, contouring which contains precipitation will provide additional assurance against potential surface water impacts. Fill areas on the south and west have been constructed of native materials and are of sufficient size to prohibit runoff of surface waters. Additional intermediate control berms will also be constructed on the edges of the construction / demolition area as needed and as determined during regulatory inspections.

Runoff will be controlled by containing accumulated precipitation within the active area. During the active life of a cell, high infiltration rates, contouring and best management practices will be employed to contain surface waters in appropriate areas for dissipation. During closure, final contouring and covering operations will contain surface waters within the landfill cells. Additional trenches may be developed as part of the final contouring operations. A swale / berm may also be constructed at the entrance gate to prevent surface waters from leaving the site. After closure, runoff and runoff control will be evaluated as part of the regular inspection process and deficiencies will be corrected. Considering the extremely limited precipitation, native soil characteristics, and the inert nature of acceptable wastes, runoff/runoff control features for the facility are more than adequate.

## PLAN OF OPERATION

### INTRODUCTION

This document constitutes the plan of operation for the Marysvale Class IV Landfill and is intended to comply with guideline R315-302-2(2) of the Utah Division of Solid and Hazardous Waste Administrative Rules. Technical questions and comments may be directed to:

Brian B. Bremner, P.E.  
P.O. Box 59  
Panguitch, Utah 84759  
(801) 676-8826, ext. 119

### INTENDED SCHEDULE OF CONSTRUCTION

The Marysvale Class IV Landfill is capable of meeting solid waste disposal needs for northwest Piute County for more than 50 years. The intended schedule contemplates initiating construction immediately after notification from the Executive Secretary and continuing operations throughout the life of the permit.

The initial cell is planned for a capacity of approximately 2 years and will be expanded in an ongoing manner as portions of the cell attain final elevation. The facility was constructed in the mid 1990's and will continue operating throughout the life of the permit.

### HANDLING PROCEDURES

One of the purposes of the Marysvale Class IV landfill is to expand integrated solid waste management techniques in Piute County. The facility will be separated into various disposal areas including:

1. Yard Wastes.
2. Construction / Demolition Wastes.
3. Dead Animals.
4. Recyclable Metals.
5. Other Categories as Need and Markets Develop.

Yard wastes are vegetative matter resulting from landscaping, land maintenance, and land clearing operations including grass clippings, prunings, and other discarded material generated from yards, gardens, parks, farms, and similar types of facilities. This type of waste does not include garbage, paper, plastics, sludge, septage, or manure.

Yard wastes brought to the landfill will be placed in the designated area, separated by type ( chipable tree limbs & bushes, grass clippings, and trees, trunks & stumps). The material will be held until it can be burned, chipped or placed at the working face of the landfill. All burning will be done in accordance with Utah State Law and under the direction of the Town Fire Marshall and only during the periods of March 30 through May 30 and September 15 through October 30. No trash, rubbish, tires, or oil may be used to start the fires. Open burning is prohibited at the landfill, so yard wastes must be separated from the working area prior to burning. Separation may occur through the use of berms, trenches, pits or appropriate fences. Trees, trunks, and stumps may be cut and used for heating fuel, slope protection, barriers, or in other approved projects. Grass clippings and chipped material may be distributed for landscaping projects, soil amendments, or other appropriate uses - including cover in other areas of the facility. Yard wastes which are not used or disposed within one year will be transferred to the construction / demolition area for final disposal.

Construction / demolition material, including fencing designated for disposal will be brought to the working face where it will be dumped and spread. Large timbers and recyclable lumber will be separated and held for reuse. This waste will be covered as needed to avoid a fire hazard and at a maximum frequency of six months. Cover material may include fire resistant material, 6 inches of earthen material, or an alternate cover approved by the Executive Secretary. Any temporary alternate covers will be removed at least monthly, and waste will be covered in such a manner to prevent fires. No fires will be permitted within this area of the landfill.

Dead animals will be handled in accordance with administrative Rule 315-315-6. Dead animals received at the facility shall be deposited onto the working face at or near the bottom of a cell designated for dead animals, or in a separate disposal trench. All dead animals will be covered daily with a minimum of six inches of earth or two feet of other waste to prevent odors and the propagation and harborage of rodents and insects. When the situation arises that dead animals must be delivered to the facility during closed periods, generators will be required to contact the owner and arrange for a landfill operator to be present during disposal. Permission for entry may be granted after pertinent information including date, name of generator, number and type of animals disposed is provided. Animals delivered to the landfill under this scenario will be covered with six inches of earthen material as soon as practical but no later than the end of the same day they are disposed. During periods when dead animals are accepted, the District will provide adequate equipment to provide cover operations. If equipment necessary to adequately cover animal carcasses is not available on a particular day, dead animals will not be accepted until equipment is available.

Bulky wastes including large appliances, furniture, car bodies and recyclable metals may be stored at the facility temporarily while a sufficient volume is being collected for transportation to a recycling facility or end user. These materials will be stored in a neat and tidy manner and in an area designated for such purposes. Bulky wastes stored for more than one year will be transported to a facility permitted for final disposal of these materials. Batteries and fluids will be removed from car bodies prior to acceptance at the landfill.

The landfill's permit allows acceptance of tires and/or tire derived material. Tires and tire



derived material will be received and treated as construction / demolition waste until such time that a separate tire monofil or hauling to a recycler becomes feasible. Some funding is available for hauling waste tires to a recycler and storage in a separate facility through Utah's waste tire recycling act. It should be noted that in accordance with Rule 315-320-3 no more than four tires can be received at the landfill at one time.

Equipment to be used at the facility will consist primarily of a bulldozer owned by Piute County. When additional equipment is needed it will be borrowed/leased from Marysvale Town or Piute County. This may include loaders, trucks, trackhoes, backhoes, and graders. Other processing equipment will be acquired as funds and needs dictate.

### INSPECTIONS AND MONITORING

At least one employee will be on site during all times the facility is open to the public to perform inspection and monitoring functions. Inspection and monitoring at the Marysvale Class IV Landfill will be conducted in two components: 1) routine and 2) compliance. Routine inspections will be conducted on each incoming load of material as it enters the facility and is deposited to prohibit receipt of unacceptable wastes. In addition, random checks will be made during deposition, spreading, and covering operations to insure protection of the environment and absence of nuisances. Waste screening inspections will be made by trained personnel; operational inspection will be made by supervisory landfill personnel. Compliance inspections will be conducted quarterly to assess the integrity of cover, the condition of side slopes and vegetative cover, and the impacts of erosion. In addition, the detailed quarterly inspection will include a review to verify compliance with all permit conditions and state and federal regulations.

### FIRE/EXPLOSION CONTINGENCY PLAN

In the event of a fire or an explosion that prohibits deposition on incoming waste in the existing cell, the landfill will be closed, and incoming waste will be diverted to an alternate facility. Alternate facilities may include other permitted Class IV landfills in the area, the Johns Valley Landfill, the Wayne County Landfill, or the Sevier County Landfill or other future landfill facilities. Upon resolution of the unexpected event, the facility will be reopened.

Landfill fires and explosions are difficult to control and require different techniques than many incidents handled by local volunteer fire departments. For this reason fires and/or explosions at the Marysvale Class IV Landfill will be managed by landfill personnel. However, local fire departments will respond to provide assistance if requested by the landfill manager. The outline for procedures to follow in case of fire or explosion is:

1. Secure Affected Area
2. Divert Incoming Waste

3. Isolate Fire / Explosion
4. Suppress Incident if Possible
5. Request Additional Assistance if Needed
6. Report & Record Necessary Information

#### CORRECTIVE ACTION FOR CONTAMINATED GROUND WATER

This section describes corrective actions to be taken by owners and operators of the Marysvale Class IV Landfill to regain compliance with protection levels of the permit in the event releases are discovered and acceptable concentration limits for groundwater are exceeded.

No monitoring wells are proposed for the Marysvale Class IV Landfill. However, if the concentrations of parameters in down gradient wells exceed the acceptable concentration limits as substantiated by confirmatory analyses, owners and operators of the Marysvale Class IV Landfill will implement a corrective action program as outlined in R315.

#### CONTINGENCY PLAN FOR OTHER RELEASES

This section describes corrective actions to be taken by the Marysvale Class IV Landfill to regain compliance with the protection levels of the permit in the event releases are discovered and acceptable concentration limits are exceeded.

When the concentration of parameters exceed acceptable limits as substantiated by confirmatory analyses, owners and operators of the Marysvale Class IV Landfill will implement a corrective action program approved by the Executive Secretary.

#### EQUIPMENT MAINTENANCE

Active collection systems for leachate and / or explosive gases are not proposed for the Marysvale Class IV Landfill. Therefore, no maintenance will be required for these items. Maintenance of equipment used in day to day operations will be performed by landfill employees or contracted mechanics in accordance with manufacturers recommendations and industry practices.

#### RUNON/RUNOFF CONTROL

Piute County will control the runoff and runoff resulting from the 25 year event from contacting solid waste and leaving the landfill. This will be accomplished through a series of best management practices. Berm style, earthen material exists around the entire facility to prevent runoff events. Fill material has been placed in such a way to contain precipitation in the waste area. Each

cell will be surrounded with berm style stockpiling of excess excavated material. In addition the entrance to the site will be contoured to direct surface drainage to desired areas. The intermittent wash which exists onsite will also be redirected away from any area which has received waste. Any additional measures may be identified in regulatory inspections.

#### EXCLUSION OF HAZARDOUS WASTE

As a rural Class IV landfill, the Marysvale facility is in a favorable position regarding exclusion of hazardous waste. Generally all waste will be delivered by local, known generators. The waste will be observed as it is deposited. During periods the landfill is open to the public, at least one percent of the vehicles and other suspicious loads will be directed to dispose of their material near the working face in a manner that permits inspection prior to unloading. The waste generator will be detained while the load is inspected; if unacceptable hazardous substances are encountered, they will not be unloaded, and appropriate authorities will be contacted. Considering the population served, waste volumes generated, and complexity of the solid waste stream, these measures are considered to be adequate.

A section documenting the results of the formal inspections outlined above has been included as part of the daily record forms (see Exhibit 4b). Including hazardous/PCB waste records on the daily record forms will allow landfill managers to incorporate inspections into their daily routine and will permit regulators to review inspection patterns efficiently while examining waste volumes.

#### DISEASE VECTOR CONTROL

The waste accepted at a Class IV landfill should not attract possible disease vector animals. The primary method for disease vector control at the Marysvale Class IV Landfill will be limiting wastes to those types approved by the permit and providing an appropriate cover as needed to prevent fires. The cover will consist of a 6 inch minimum layer of earthen material or an alternate cover approved by the Secretary.

Rodents and other vermin will not be permitted to burrow in the active area of the landfill, and trapping or extinction methods will be implemented to protect the integrity of the disease vector control program

#### ALTERNATIVE DISPOSAL

Alternative waste handling procedures for periods when the landfill is not in operation will be similar to procedures for fires and explosions. Waste will be diverted to alternate disposal sites. Alternate facilities may include other permitted Class IV landfills in the area, the Johns Valley Landfill, the Wayne County Landfill, the Sevier County Landfill or other future landfills. Procedures

will continue in this manner until operations at the landfill can return to normal.

In the event of equipment breakdown that cannot be repaired in a reasonable time frame, equipment will be borrowed from contributing entities or leased from local distributors. It is the intent of owners and operators to have dedicated equipment at the landfill over a period of time and to acquire appropriate backup equipment.

#### CLOSURE/POST CLOSURE

Closure of active portions of the Marysvale Class IV Landfill contemplates controlling, minimizing, and eliminating threats to human health and the environment from post closure escape of solid waste constituents, leachate, landfill gases, contaminated runoff, or waste composition products to the ground, groundwater, surface water, and the atmosphere. A final elevation has not been determined. Adequate capacity exists to extend the landfill beyond the life of the permit. If the facility needs to be closed prematurely or when a portion of the landfill exceeding 3000 square yards reaches final elevation it will be covered within 60 days with 12 inches of intermediate cover and graded to promote drainage. The surface shall be free from ponding and shall minimize infiltration. Not more than 6 months after completion of the intermediate cover, the area will be covered with an additional 12 inches ( 24" total depth ) of earthen material including 6 inches of native material.

Post closure care of inactive sections of the landfill will consist of maintaining the integrity of the final and vegetative covers. Any areas subject to erosion will also be corrected; and appropriate measures will be implemented to identify and eliminate the source. Groundwater monitoring, leachate collection, and gas collection are not proposed for the Marysvale Class IV Landfill. Therefore, closure and post closure activities associated with these functions will not be performed.

#### FINANCIAL ASSURANCE

A financial assurance plan has been developed for the Marysvale Class IV Landfill and is contained in other sections of this document. The plan consists of insuring that sufficient funding is available within 5 years for the closure of the largest area of the landfill that is active at any time. Cost estimates were developed considering a third party performing the work. The facility is extremely small and employs the most simplified techniques. Closure material is on site, and closure costs are considerably less than the norm.

#### TRAINING AND SAFETY PLAN

No standardized training program exists for operators of the Marysvale Class IV Landfill. Although Landfill Operator and the Waste Screening training courses provided by the Solid Waste

Association of North America (SWANA) are not fully applicable to the operations at the landfill, the Piute County Solid Waste Special Service District may elect to send selected employees to receive such training. Safety procedures will conform to OSHA guidelines; and personnel will be encouraged to participate in additional landfill management, waste screening, safety, and first aid workshops that are more applicable to the Marysville Class IV Landfill. Training will primarily consist of discussing operational modifications during regulatory inspections and updating practices as regulations progress. The Piute County Special Service District will conduct a semi-annual training meeting where landfill operations, permit requirements, safety and other issues may be discussed.

## RECYCLING

Recycling means extracting valuable materials from the waste stream and remanufacturing them into useable products. Technical recycling expertise is not available and reliable recycling markets do not exist for solid waste disposed at the Marysville Class IV Landfill. In an effort to promote source reduction and future recycling, large appliances, car bodies, and some ferrous metals will be stored onsite until they can be transported to an appropriate recycling/salvage facility. Compostable material may be diverted to areas designated for mulching or burning. However, no formal recycling or remanufacturing program is anticipated for this facility.

## ACCESS CONTROL & ONSITE PERSONNEL

Fencing has been placed around accessible portions of the active cell, and a lockable gate has been provided at the main entrance to the facility. A portion of the fence near the left side of the gate is inadequate to prevent all unauthorized access. Fencing, consisting of at least four strands of barbed wire will be installed to prevent unauthorized access. The absence of any roads and the existing topography surrounding the site eliminate the possibility of unauthorized vehicular traffic.

Landfill personnel will be onsite when the facility is open to the public. The schedule for operation of the Marysville Class IV Landfill varies throughout the year and will be posted at the main gate. Operation times can also be obtained by contacting the Piute County Special Service District.

Authorized collection vehicles operated by personnel under contract with the landfill as operators and containing construction waste, yard waste, dead animals, or waste tire material may be entering the landfill when the facility is not open to the public. Waste will not be accepted from the public during these periods. The District may revise the scheduled operation of the landfill as the need arises and solid waste volumes dictate.

## FINANCIAL ASSURANCE PLAN

### INTRODUCTION

This section of the permit describes compliance with Subsection R315, Financial Assurance of the Administrative Rules for Solid Waste Permitting and Management. Cost estimates consider the most expensive option during the period and are based on a third party performing closure and post closure care.

### MECHANISMS

The financial assurance mechanism for the Marysvale Class IV Landfill is a dedicated escrow/capital improvement account. The account will be established as part of the Utah Public Treasurer's Investment Fund (PTIF). The Executive Secretary will not be identified as a required signatory on all withdrawals, but will be permitted to examine any transactions affecting the integrity of the account. Funds in excess of the estimate listed below may be used for capital improvements, to offset rate increases, operational expenses and other items deemed necessary by landfill managers. The Marysvale Class IV landfill may alter the mechanism to include insurance, surety bonds, trust funds, or other options as they become feasible with Executive Secretary approval.

### SCHEDULE OF PAYMENTS

The Piute County Special Service District has made payments to a dedicated escrow account with the State Treasurer's office to insure the availability of sufficient funds for closure and post closure care. Additional payments will be added to the fund until the balance exceeds the minimum closure / post closure requirements.

### COST ESTIMATE

Cost estimates were developed by a professional engineer considering the largest area of the disposal facility ( 22,000 sq. ft. ) requiring final cover during the operating period and using projections for a third party to perform the work. The cost estimate considered average annual bid prices received at the Utah Department of Transportation and local factors including trucking costs, availability of on-site material, and regional cost data. In addition Oklahoma Department of Environmental Quality and Utah Division of Solid & Hazardous Waste guidelines were incorporated into the process. A cost estimate detailing major closure and post-closure components is included below. It should be noted the Marysvale Class IV Landfill is a minimum service facility. Most items usually identified for Class I and Class II closure / post closure care are not applicable to the Marysvale Class IV Landfill. Only applicable items are included below.

Closure Costs

Engineering -	\$ 2,000.00
Cover material:	
Infiltration Layer - 1200 cu. yds. @ \$2.50	\$ 3,000.00
Vegetative Layer - 400 cu. yds. @ \$1.75	\$ 700.00
Mulch, Seed and fertilizer	200.00
Drainage materials:	
Drainage layer material	0
Drainage pipe	0
Explosive gas control:	
Vents (passive)	0
Contingency	<u>400.00</u>
Closure Costs	<u>\$ 6,300.00</u>

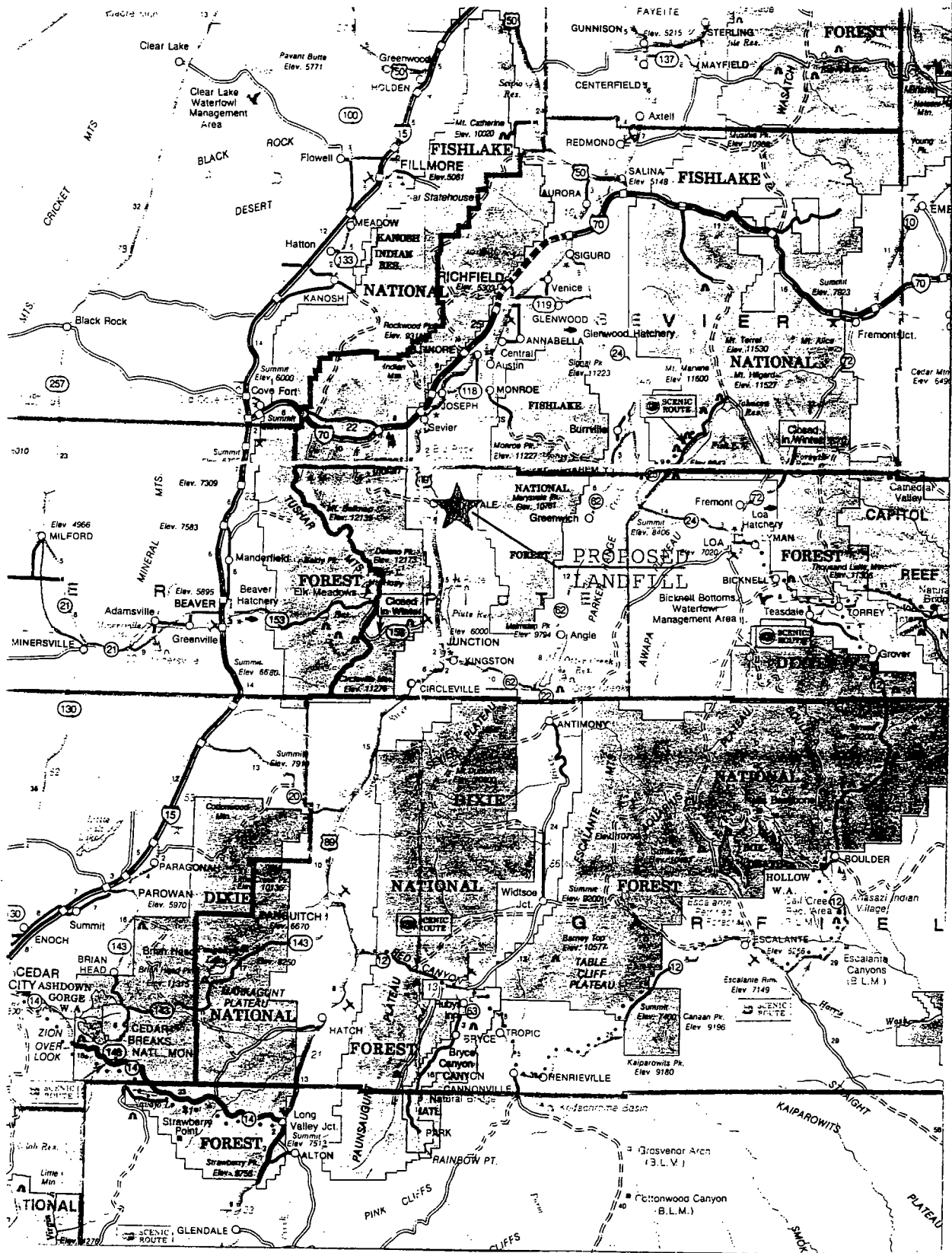
Post-Closure Costs

Monitoring and system O&M	\$ 0
Explosive gas monitoring wells	0
Groundwater monitoring wells	0
Leachate collection and storage system	0
Surface water management system	0
Vegetative cover	100.00
Soil cover	600.00
Leachate treatment	0
Administrative	600.00
Inspection / Reports @ \$400/year x 30 years	12,000.00
Contingency	<u>1,300.00</u>
Post-Closure Costs	<u>\$ 14,600.00</u>
Total Closure / Post Closure Costs	<u>\$ 20,900.00</u>

## EXHIBITS

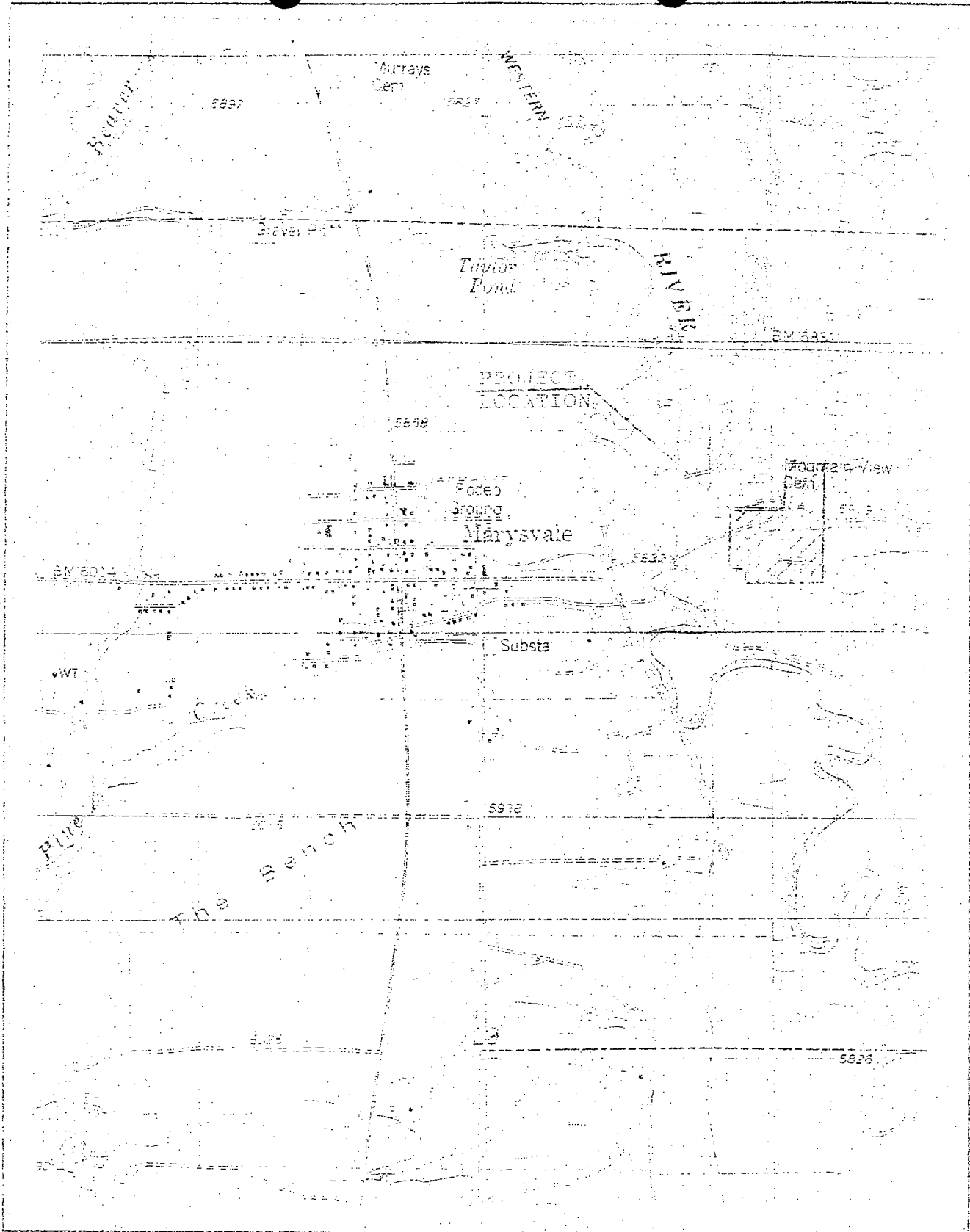
- Exhibit #1    General Vicinity Map
- Exhibit #2    Location Map
- Exhibit #3    Service Area
- Exhibit #4a-b Daily Record Forms
- Exhibit #5    Quarterly Inspection Log
- Exhibit #6    Landfill Map



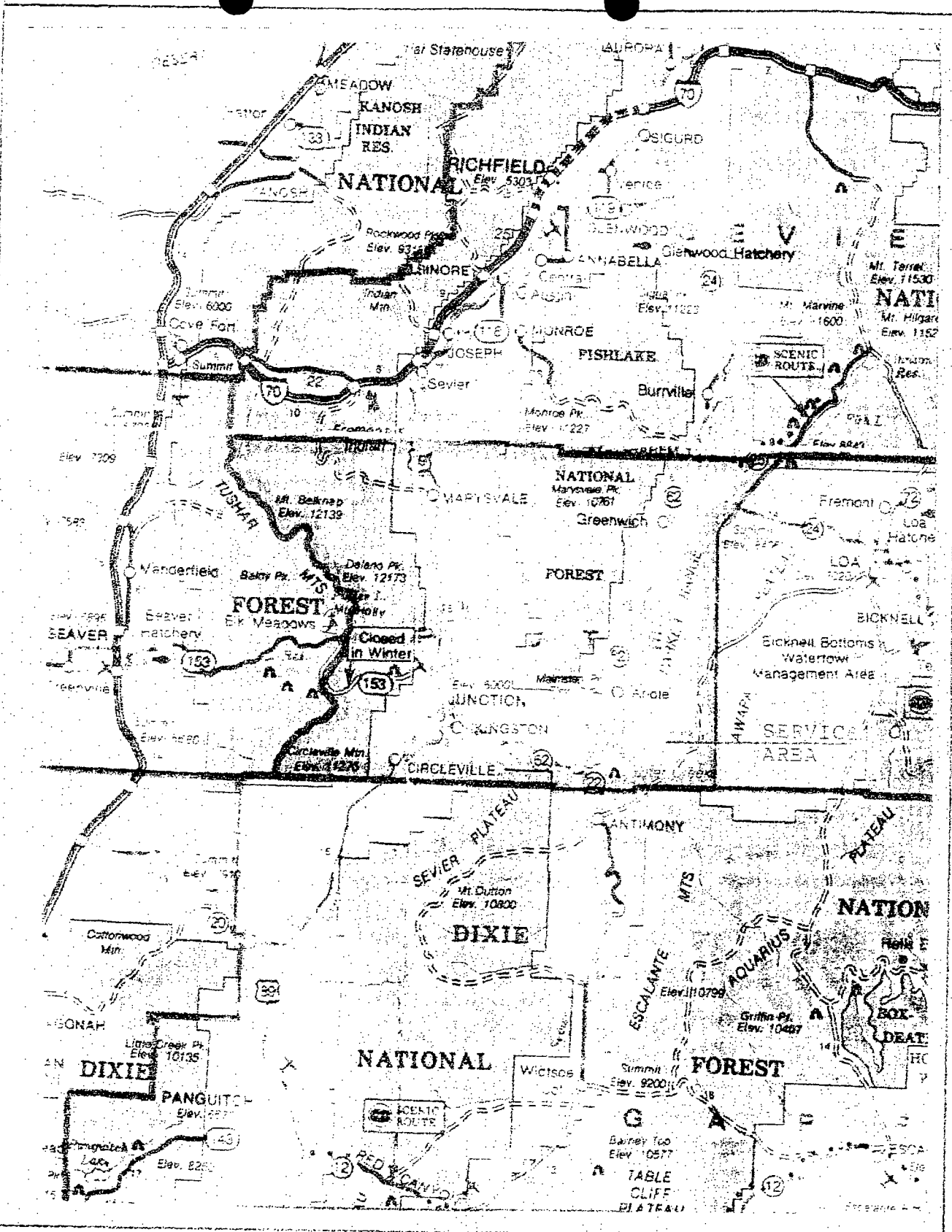


MARYSVALE CLASS IV LANDFILL

Exhibit 1. General Vicinity Map



MARYSVALE CLASS IV LANDFILL  
 Exhibit 2. Project Location Map



MARYSVALE CLASS IV LANDFILL

Exhibit 3. Service Area

MARYSVALE CLASS IV LANDFILL  
Weight, Volume, and Vehicle Record

Date: \_\_\_\_\_ Day of Week: \_\_\_\_\_ Page \_\_\_\_\_ of \_\_\_\_\_

<u>Time</u>	<u>Vehicle No.</u>	<u>Est. Volume Cu. Yds.</u>	<u>Est. Weight Tons</u>	<u>Origin</u>	<u>Type of Waste</u>
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Signature \_\_\_\_\_ Date \_\_\_\_\_

MARYSVALE CLASS IV LANDFILL

Exhibit 4a. Daily Record Form



Marysvale Class IV Landfill Quarterly Inspection Log

This document is the official form required for compliance with R315-301-7(5)(a) for the Marysvale Class IV Landfill.

Date \_\_\_\_\_ Time \_\_\_\_\_ Weather \_\_\_\_\_

Inspection Team: \_\_\_\_\_  
\_\_\_\_\_

Observations: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Date and Nature of Repairs/Corrective Action: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Other: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Explosive Gas Monitoring \_\_\_\_\_ Structures \_\_\_\_\_ Property Boundary

Training Procedures Completed: \_\_\_\_\_  
\_\_\_\_\_

Major Deviations from Plan of Operation: \_\_\_\_\_  
\_\_\_\_\_

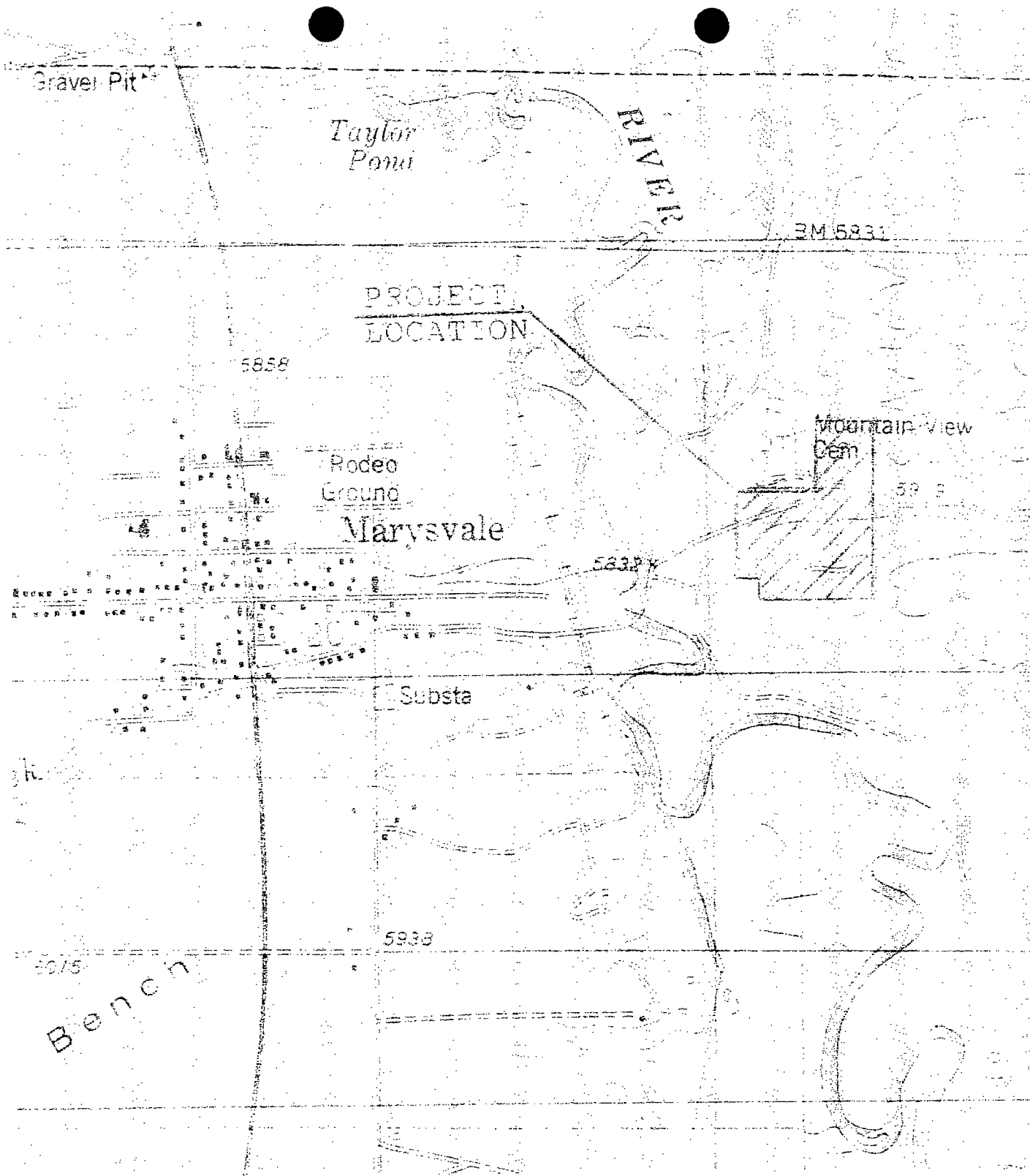
\_\_\_\_\_  
Name of Inspector

\_\_\_\_\_  
Signature

This form shall be kept on site or at another convenient location if no permanent office facilities exist for a minimum of 3 years.

MARYSVALE CLASS IV LANDFILL

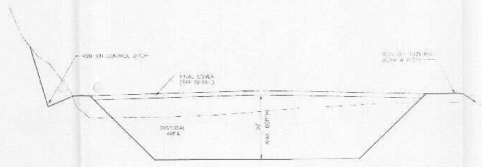
Exhibit 5. Quarterly Inspection Log



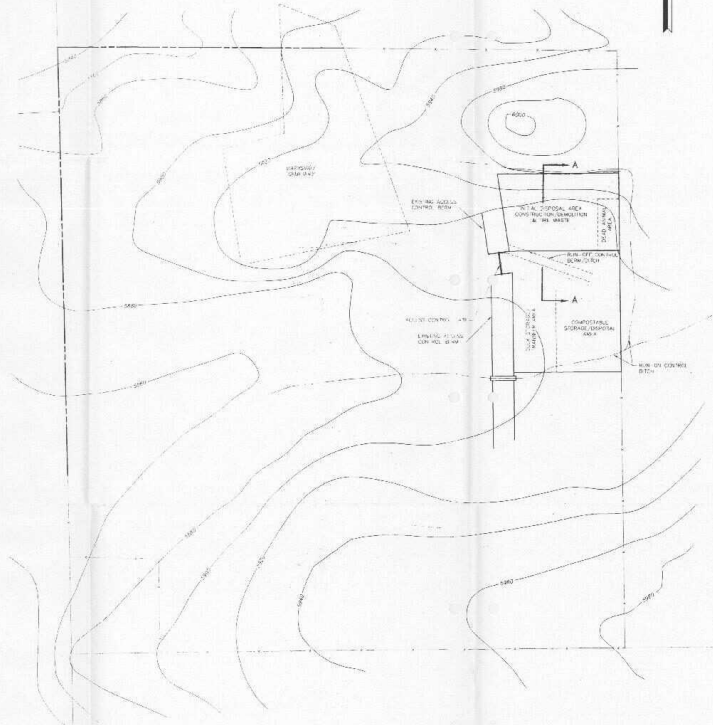
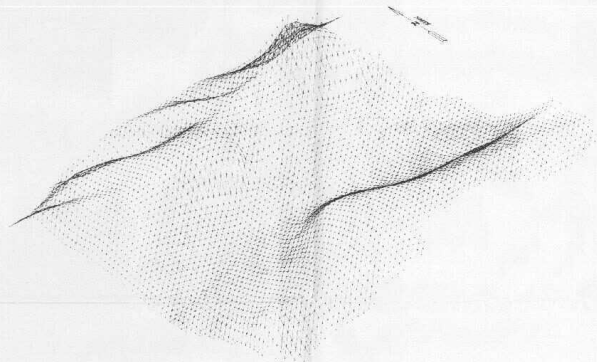
MARYSVALE CLASS IV LANDFILL

Exhibit 6. Landfill Map

1. THIS MAY BE DELETED AS NEEDED.
2. NUMBER OF TIES = 30 FEET.
3. TOP OF FINISH COVER IS 60 IN. BELOW OR NATIVE MARKER, UNLESS OTHERWISE SPECIFIED.
4. TOP OF TOP OF NATIVE SOIL AND SHARP SLATED F. MARKERS FOR ALL 45 TIES.
5. DETERMINE THE LOCATION AND NUMBERING ARE NOT REQUIRED TO LOCATE FOR EACH TIE AS SHOWN.



FINAL COVER DETAIL  
SCALE: 1" = 10'



DATE: 05/11/2010	PROJECT: MARYSVALE CLASS IV LANDFILL
DRAWN BY: [Redacted]	CHECKED BY: [Redacted]
 <b>Beehive Enterprises</b> 1000 W. 2000 S. SUITE 100 PLEASANTON, UTAH 84062	

<b>SITE PLAN</b>	
MARYSVALE CLASS IV LANDFILL	
PIUTE COUNTY, UTAH	
DATE: 05/11/2010	PROJECT: MARYSVALE CLASS IV LANDFILL

DATE:	05/11/2010
BY:	LF
SCALE:	1" = 100'
NO.:	3