DUGWAY PERMIT

MODULE VII

ATTACHMENT 6

HAZARDOUS WASTE MANAGEMENT UNIT
HWMU 128
POST-CLOSURE PLAN
1.0. INTRODUCTION

The objectives of this Post-Closure Plan (PCP) are to ensure that Dugway Proving Ground (Dugway) complies with the Post-Closure Permit issued by the State of Utah in accordance with Utah Administrative Code (Utah Admin. Code) R315-265 - Title 40 Code of Federal Regulations (CFR) §265.117 incorporated by reference, with respect to post-closure inspection requirements and tracking and inspections to ensure industrial site use. To meet these objectives, this PCP provides detailed information regarding the location, regulatory criteria, and post-closure inspections at Hazardous Waste Management Unit (HWMU) 128. Post-closure requirements will continue for a minimum of 30 years after closure of HWMU 128. The post-closure care period may be extended or shortened, as deemed necessary Utah Admin. Code R315-265 (40 CFR §265.117(a)(2) incorporated by reference).

In accordance with 40 CFR §270.28 and Utah Admin. Code R315-270-28, the post-closure permit is required to include specific information for a closed facility. As applicable to HWMU 128, the information requirements include:

1. General description of the facility,
2. Description of security procedures,
3. Copy of general inspection schedule,
4. Preparedness and Prevention Plan,
5. Facility location information (including seismic and flood plain considerations),
6. Closure Plan or Closure Proposal,
7. Certificate of Closure, and
8. Topographic map, with specific scale.

Table 1-1 provides the regulatory citations for the general information requirements and the specific locations in the Attachments or in the PCP where the specific information is presented.
### Table 1-1: Summary of HWMU 128 Post-Closure Information Requirements Under 40 CFR §270.14 and Utah Admin. Code R315-270-28 and R315-270-14

<table>
<thead>
<tr>
<th>Regulation Citation</th>
<th>Requirement Description</th>
<th>Location Requirement is Addressed</th>
</tr>
</thead>
<tbody>
<tr>
<td>40 CFR §270.14(b)(1); Utah Admin. Code R315-270-14(b)(1)</td>
<td>General Description of the Facility</td>
<td>Post-Closure Permit, Attachment 1</td>
</tr>
<tr>
<td>40 CFR §270.14(b)(4); Utah Admin. Code R315-270-14(b)(4)</td>
<td>Description of Security Procedures</td>
<td>Section 3.0</td>
</tr>
<tr>
<td>40 CFR §270.14(b)(5); Utah Admin. Code R315-270-14(b)(5)</td>
<td>General Inspection Schedule</td>
<td>Section 7.0, Module VII Table VII-3, and Module VII Form A</td>
</tr>
<tr>
<td>40 CFR §270.14(b)(6); Utah Admin. Code R315-270-14(b)(6)</td>
<td>Preparedness and Prevention</td>
<td>Section 4.0</td>
</tr>
<tr>
<td>40 CFR §270.14(b)(16); Utah Admin. Code R315-270-14(b)(16)</td>
<td>Post-Closure Cost Estimate</td>
<td>Federal Facilities are exempt from this requirement</td>
</tr>
<tr>
<td>40 CFR §270.14(b)(18); Utah Admin. Code R315-270-14(b)(18)</td>
<td>Proof of Financial Coverage</td>
<td>Federal Facilities are exempt from this requirement</td>
</tr>
<tr>
<td>40 CFR §270.14(b)(19) Utah Admin. Code R315-270-14(b)(19) (i)</td>
<td>Topographic Map Map Scale and Date</td>
<td>Figure 2-1 (1 inch = 1000 feet) and Figure 2-3; (1 inch = 60 feet)</td>
</tr>
<tr>
<td>40 CFR §270.14(b)(19) Utah Admin. Code R315-270-14(b)(19) (ii)</td>
<td>Topographic Map 100-year floodplain area</td>
<td>HWMU 128 is not located within a verified 100-year floodplain area Figure 2-2.</td>
</tr>
<tr>
<td>40 CFR §270.14(b)(19) Utah Admin. Code R315-270-14(b)(19) (iii)</td>
<td>Topographic Map Surface waters including intermittent streams</td>
<td>There are no surface waters or intermittent streams within the HWMU 128 area Figure 2-2 Figure 2-3</td>
</tr>
<tr>
<td>40 CFR §270.14(b)(19) Utah Admin. Code R315-270-14(b)(19) (iv)</td>
<td>Topographic Map Surrounding land uses</td>
<td>HWMU 128 is within a military base. There are no nearby residents in the vicinity of HWMU 128. Figure 2-3</td>
</tr>
<tr>
<td>Section</td>
<td>Notes</td>
<td>Information/Requirements</td>
</tr>
<tr>
<td>---------</td>
<td>-------</td>
<td>---------------------------</td>
</tr>
<tr>
<td>40 CFR §270.14(b)(19) Utah Admin. Code R315-270-14(b)(19) (vii)</td>
<td>Topographic Map Legal boundaries of the hazardous waste management facility.</td>
<td>The site is shown in Figure 2-2.</td>
</tr>
<tr>
<td>40 CFR §270.14(b)(19) Utah Admin. Code R315-270-14(b)(19) (viii)</td>
<td>Topographic Map Access control, fence, gates</td>
<td>The fenced area and access gates are shown in Figure 2-3.</td>
</tr>
<tr>
<td>40 CFR §270.14(b)(19) Utah Admin. Code R315-270-14(b)(19) (ix)</td>
<td>Topographic Map Injection and withdrawal wells</td>
<td>The nearest groundwater supply well (WW18) is approximately 2,600 feet northeast of HWMU 128. There are no injection wells in the vicinity of HWMU 128.</td>
</tr>
<tr>
<td>40 CFR §270.14(b)(19) Utah Admin. Code R315-270-14(b)(19) (xi)</td>
<td>Topographic Map Barriers for drainage or flood control</td>
<td>Figure 2-2.</td>
</tr>
<tr>
<td>40 CFR §270.14(c) Utah Admin. Code R315-270-14(c)(1)</td>
<td>Groundwater Monitoring Information Summary of Groundwater Data</td>
<td>Groundwater monitoring has been conducted once, in 1995. Results from 1995 are as follows: 1. All inorganic analytes are below regulatory standards. 2. Only one organic analyte (chloromethane) was detected in one well (128MW02) at a concentration of 5.2 μg/L. There are no regulatory standards for this analyte. Post-closure groundwater monitoring at HWMU 128 will be in compliance with the English Village Groundwater Management Plan (PES, 2007).</td>
</tr>
</tbody>
</table>
### Table 1-1 (Continued): Summary of HWMU 128 Post-Closure Information Requirements Under 40 CFR §270.14 and Utah Admin. Code R315-270-28 and R315-270-14

|-----------------------------------------------------|------------------------------------|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
2.0. HWMU 128 DESCRIPTION

The following provides a general description of HWMU 128, also known as the Pesticide Storage Building, Septic Tank and Drainfield at Dugway. A general description of the Dugway installation can be found in Attachment 7-1.

2.1. Location and History

HWMU 128 consists of a 1,000-gallon septic tank and drainfield associated with the pesticide storage and preparation area at Building 5658. It is located on the southwestern margin of English Village, south of Stark Road, and west of Manookin Road. Figure 2-1 shows the location of HWMU 128 within Dugway and Figure 2-2 is a topographic map showing the location of HWMU 128 adjacent to English Village. The septic system will remain active following closure of HWMU 128. HWMU 128 is located between the Sewage Treatment Plant (SWMUs 44 and 68) and the aboveground Petroleum, Oil, and Lubricants (POL) Tanks (SWMU 69). Photographs of the site are presented in the Final Closure Report (Shaw, 2004).

Building 5658 is used for storage and preparation of insecticides, herbicides, and rodenticides. A 6-foot (ft) high fence encloses the pesticide storage area at Building 5658. Warning signs are posted on the perimeter. The area enclosed by the fence is approximately 90 ft by 120 ft and is paved with asphalt. The asphalt pad is sloped to drain away from the building in all directions. A 500-gallon underground storage tank (UST) used to store fuel/heating oil is located on the north side of the building. Attached to the west side of the building there are a small shed and a small cabinet. The shed is labeled “flammable” and the storage cabinet is labeled “acid.” On the south side of the building is the equipment filling and wash area, which consists of a wash pad with a 4.5-inch high berm. There is a drain in the center of the pad that is connected to the HWMU 128 septic tank. The drain is reportedly sealed when vehicles and equipment are sprayed down. This operating procedure was instituted to prevent hazardous materials from entering the drains and migrating to the septic tank and drain field.

The field measurements taken during Mobilization 3 indicated that the bottom of the septic tank is nine ft below ground surface (bgs). The septic tank is located west of Building 5658, seven ft beyond the asphalt pad and fence. The top of the septic tank is below grade and is accessible through an 18-inch diameter pipe covered at the surface with a removable concrete plug. According to engineering drawings (Dugway, 1987), the drain in the pad and all plumbing inside Building 5658 are connected to the septic tank. As-built drawings of the septic system show that the septic tank is connected to the drain field by an 18-foot long, 4-inch diameter polyvinylchloride (PVC) pipe. The outside dimensions of the septic tank are shown to be 5 ft by 5 ft. The drain field contains a rectangular loop of perforated 4-inch PVC drainpipe that is 27 ft long and 10.5 ft wide. The perforated pipe is buried 4.3 ft bgs in a ditch that is three ft wide, giving the drain field a total width of 13.5 ft and length of 30 ft.

2.2. Past Operation

HWMU 128 is associated with Dugway’s principal pesticide storage and preparation area at Building 5658 and has been in use since the late 1980’s. According to Dugway public works personnel, the original plan of operation for HWMU 128 was to discharge sanitary wastewater from Building 5658 to the English Village sanitary sewer system ditch east of Manookin Road. However, according to J. Anderson (Dugway Public Works) it was later decided to discharge the wastewater to the septic tank and drainfield on the west side of the building (FWEC, 1999). Figure 2-3 is a detailed plot plan showing the septic tank, drainfield, and nearby features.

Insecticides previously used at Dugway included chlordane, diazinon, malathion, baygon, and pyrethrum. Herbicides included 2,4-D, Atratol 8P (atrazine, sodium chlorate, sodium melaborate), Hyvar-X
(bromacil), and Tordon 212 (picloram). Additional materials handled at the site may have also included insecticide-neutralizing agents and decontamination solutions.

Spent chlordane and chlordane-contaminated materials are classified as hazardous wastes by the State of Utah (Utah Admin. Code) R315-261. Because HWMU 128 is in direct connection with the pesticide facility, it is possible that all of these wastes may have been present at one time or another.

HWMU 128 was one of the 27 sites listed at Dugway under the Utah Department of Environmental Quality – Division of Waste Management and Radiation Control (UDEQ-DWMRC) Stipulation and Consent Order No. 8909884 (dated September 19, 1990). This Consent Order directed Dugway to determine whether hazardous waste management occurred at these sites. This Stipulation and Consent Order was amended in December 22, 1993 and identified HWMU 128 among the sites to be closed. With the investigative and closure actions performed at this site, all stipulations of the Consent Order have been satisfied for HWMU 128.

2.3. Previous Investigations Documentation
The detailed results of previous material, soil, and groundwater sampling, and closure information including the risk assessment are available, for HWMU 128, in the Utah Division of Waste Management and Radiation Control (UDWMRC), formerly the Division of Solid and Hazardous Waste (DSHW) public documents listed in Table 2-1.

<table>
<thead>
<tr>
<th>Document Title</th>
<th>Received Date</th>
<th>UDWMRC Library No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Final Work Plan &amp; Sampling and Analysis Plan for HWMU 128 Pesticide Storage Building, Septic Tank, and Drainfield Investigation, Dugway Proving Ground, Dugway, Utah, Revision 0 (IT, 2000b)</td>
<td>12/20/2000</td>
<td>DPG 00197</td>
</tr>
</tbody>
</table>

2.4. Closure Activities
The detailed results of previous material, soil, and groundwater sampling at HWMU 128 are included in the Final Closure Report. The reader is referred to these documents for detailed information.

Utah has specific regulations governing the closure and post-closure requirements for interim status/non-notifier hazardous waste treatment, storage and disposal facilities (TSDFs) (Utah Admin. Code) R315-265; 40 CFR §265.111 by reference). Based on the work performed at HWMU 128 and the risk
evaluations presented in the Final Closure Report, the requirements specified under 40 CFR §265, subpart G and a Consent Order have been achieved.

The Certification of Closure (Appendix A) certifies that HWMU 128 meets the closure performance standards under Utah Admin. Code) R315-265 and 40 CFR §265.111 (subpart G) adopted by reference, as follows: (1) minimizes the need for further maintenance, (2) controls, minimizes or eliminates, to extent necessary to protect human health and environment, post closure escape of hazardous waste, hazardous constituents, leachate, contaminated runoff, or hazardous waste decomposition products to the ground or surface waters or to the atmosphere, and (3) complies with closure requirements of this subpart and other applicable requirements.

HWMU 128 has been closed in a manner that will no longer require any post-closure maintenance, including removal of waste. The septic tank contents have been removed and the septic tank has been decontaminated. The site was closed based on continued industrial use. The human and ecological risk assessments are also presented in the Final Remedial Action Closure Report.

The closure of HWMU 128 has been completed. Approval for the HWMU 128 Final Closure Report (Shaw, 2004) was received in a letter dated June 16, 2004, from the Utah Solid and Hazardous Waste Control Board. Appendix A includes a copy of the HWMU 128 Closure Certification signed and stamped by a Utah-licensed Professional Engineer. The original signed Closure Certification is on file at UDEQ-DWMRC. With the investigative and closure actions performed at this site, all stipulations of the Consent Order No. 8909884 have been satisfied for HWMU 128.

2.5. Human Health and Ecological Risk Assessment

A human health risk assessment and ecological risk assessment have been conducted indicating the remaining residual contamination does not pose an unacceptable risk as defined in Utah Admin. Code) R315-101. Based on the results of the human health risk assessment, HWMU 128 was closed based on continued industrial use.

HWMU 128 did not qualify for risk-based residential closure due to the presence of arsenic, polynuclear aromatic hydrocarbons (PAHs) and chlorinated pesticides in site soils in the vicinity of the septic tank and drainline.

Human health and ecological risk screening evaluations results indicate that there is no unacceptable risk posed at the site. The cancer risk is less than 1E-04 and the Hazard Index is less than one. Since the waste has been removed, there is no potential for escape of hazardous waste, leachate, or hazardous waste decomposition products to the ground, surface waters, or to the atmosphere.


2.6. Surface Water and Groundwater

The only surface water feature present in the vicinity of HWMU 128 is an abandoned sewage effluent ditch northeast of the site (Figure 2-2). A portion of the Camels Back Ridge North East Quadrangle (U.S. Geological Survey [USGS], 1993a) topographic map and a portion of the Davis Knolls Quadrangle (USGS, 1993b) topographic map have been combined to produce Figure 2-2. The nearest natural surface water body is the northern branch of Government Creek, an ephemeral stream which drains from the
Simpson and Sheeprock mountains (southeast of Dugway) towards the Great Salt Lake Desert to the northwest.

Three groundwater-monitoring wells were installed at HWMU 128 in 1995 (Figure 2-3). Groundwater is addressed under the English Village GMA.

2.7. Closure Notifications

Federal facilities are exempt from submitting notifications to the local zoning authority as required by Utah Admin. Code R315-264-116 and R315-264-119. Dugway’s Post-Closure Management Plan (PCMP) shall be used to monitor land use as required under this Permit in Module 1, Condition I.M.4.

3.0. SECURITY REQUIREMENTS

The Permittee shall comply with the following security conditions as applicable to HWMU 128:

1. HWMU 128 is located within a federal, military installation (Dugway). As such, the installation is restricted for the common population.
2. Specifically, at HWMU 128, a fence is present around Building 5658 but not around the septic system.
3. Signs shall be posted on the fence, warning against unauthorized entry,
4. And a warning sign shall be posted near the HWMU 128 drainfield.
5. Verify security facilities are maintained and shall be inspected throughout the post-closure care period. The security facilities (i.e., posted signs) to be inspected and the frequency of inspection are listed on the inspection Table 7-1. Dugway shall report to the UDWMRC any decrease of Dugway’s Base Security, which could affect the security conditions as applicable to HWMU 128.
6. Damaged security facilities shall be noted in the inspection checklist. Repairs shall be completed as soon as practicable after the problem is discovered, in compliance with Utah Admin. Code) R315-264-15(c).

4.0. PREPAREDNESS AND PREVENTION MEASURES

All wastes have been removed from HWMU 128. The Dugway Emergency Response and Contingency Plan (Part B Permit), where applicable to this site, shall be used to announce and respond to emergency conditions.

At a minimum, the site inspector should have a radio or phone and a First Aid kit available during inspections.

5.0. SEISMIC STANDARD

HWMU 128 is not located within 200 feet of active faults, which have displacement in Holocene time. Although Utah is tectonically active, most of the earthquake activity occurs about 55 miles to the east along the Wasatch Range Foothills. The U.S. Geological Survey has conducted a study ([U.S. Geological Survey (USGS), 1988]. Map of Fault Scarps Formed on Unconsolidated Sediments, Tooele 1°x2° Quadrangle, Northwestern Utah. Compiled by T.P. Bamhard and R. L. Dodge) to determine the distribution, relative age, and amount and extent of surface rupture on Quaternary fault scarps in the Tooele 1°x2° Quadrangle in northwestern Utah. The conclusions of the study state that morphologic and geologic data collected along the fault scarps in the area indicate that all were formed during the later Pleistocene era with no clear evidence of Holocene surface faulting. Several faults inferred on geophysical evidence are located at Dugway; however, there is no evidence of displacement during
Holocene time. No hazardous wastes remain at HWMU 128; therefore, even if an earthquake were to occur, no hazardous wastes would be released.

6.0. FLOODPLAIN STANDARD

HWMU 128 is not located within a 100-year verified floodplain. A National Flood Insurance Rate Map, identifying the boundary of the 100-year flood, has not been prepared for Dugway. These are no permanent streams or other surface water bodies on Dugway. Surface water from precipitation flows through well-established drainage channels into the flat plain and evaporates. Like other arid regions, Dugway is subject to flash flooding following high-precipitation events. Flash floods have occurred only four times in the history of the installation, in 1944, 1952, 1973, and 1983. The major area affected during flash floods has been the Government Creek drainage channel, which has overflowed and caused minor inundation of roads at Ditto Technical Center. No hazardous wastes remain at HWMU 128; therefore, even if a flood were to occur, no hazardous wastes would be released.

7.0. POST-CLOSURE INSPECTIONS

7.1. Introduction

HWMU 128 has been closed under a continued industrial use scenario, which prohibits residential use in the areas formerly occupied by the site. To ensure that the area is not reused or developed for residential purposes, annual site inspections and a biannual report shall be required.

7.2. Annual Inspections

General site inspections of the former HWMU 128 site shall be conducted annually before November 1st, to ensure that the former Pesticide Storage Building, Septic Tank and Drainfield area remains under industrial use and to verify the Dugway Dig Permit process as described in Module VII.I has been followed. The frequency of inspections can be modified in accordance with Utah Admin. Code) R315-270-42. The general post-closure site inspection checklist for industrial use sites should be used and is included in Module VII as Form A. Completed inspection forms shall be filed with the Dugway Environmental Office. The site shall be visually inspected to ensure the following conditions are maintained at the site:

1. There is no evidence of land use other than for industrial purposes within the former site boundary.

2. That Security Controls are still in place and active at HWMU 128.

Table 7-1, summarizes the Post-Closure Inspection Schedule for HWMU 128, and lists the items to be inspected and potential problems. Inspection personnel shall note any problems found and shall inform appropriate Dugway representatives.

<table>
<thead>
<tr>
<th>Inspection/Monitoring Item</th>
<th>Method of Documentation</th>
<th>Frequency of Inspection</th>
</tr>
</thead>
<tbody>
<tr>
<td>1) Land use for industrial purposes only.</td>
<td>General Post-Closure Site Inspection Checklist for Industrial Sites (Form A, Module VII)</td>
<td>Annual inspections shall be conducted no later than November 1st, of each year.</td>
</tr>
<tr>
<td>2) That signs security controls are still in place and active.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
7.3. Inspection Follow-up

Copies of completed site inspection checklists (Form A of Module VII) shall be forwarded to the Dugway Environmental Office. The Point-of-Contact for the Dugway Environmental Office is as follows:

Environmental Programs Compliance Representative
Dugway Proving Ground Environmental Program Office
Dugway Proving Ground, UT 84022
Telephone: (435) 831-3560

The Dugway Environmental Office shall notify the appropriate personnel to implement corrective action as needed.

Corrective action shall be initiated as soon as practical but no longer than 30 days of discovery. If the corrective action will require more than 30 days a schedule of the correction will be provided to the Director for approval. If the corrective action requires substantial effort, a technical plan shall be prepared to summarize the problem, illustrate potential impacts, and clarify the proposed plan for action. Routine corrective actions will be recorded on the site inspection form in the comments with the date of the correction. This will ensure proper tracking of the resolution.

8.0. SUBMITTALS/REPORTING

8.1. Post-Closure Groundwater Monitoring

Based on the evaluation presented in the Final Closure Report, one round of groundwater monitoring is required for HWMU 128 to verify the results of the 1995 monitoring. The groundwater monitoring will be conducted under the guidance of the English Village Groundwater Management Plan (PES, 2007).

8.2. Non-Compliance Reporting

The conditions at HWMU 128 are such that the impact to human health and the environment is very unlikely. All wastes have been removed from the site. Hazardous wastes are no longer managed or maintained at the site. Nonetheless, if there is any type of non-compliance with any condition of this Permit, notifications shall be submitted per Permit Condition VII.C.5.

8.3. Biennial Post-Closure Report

In accordance with Utah Admin. Code) R315-270-30 (l)((9), a Biennial Post-Closure Report shall be prepared for all of Dugway’s HWMUs and SWMUs undergoing post-closure care. Post Closure Reports shall be submitted to UDWMRC no later then March 1st, of the following year, that the report is due. The first Post-Closure reporting year is 2006 for HWMU 128 (Table 8-1). The report shall be submitted no later than March 1st of 2007. After this initial period, reporting years shall change to odd numbered years, with subsequent biennial reports due by March 1st of even numbered years, beginning in 2008. Specifically for HWMU 128, the Biennial Post-Closure Report shall include, at a minimum, the following:

1. General site description and conditions, and

2. Inspection records.
Table 8-1: Summary Table of Required Submittals

<table>
<thead>
<tr>
<th>Required Submittals</th>
<th>Frequency and Submittal Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biennial Post-Closure Report</td>
<td>Post Closure Reports shall be submitted to the Division of Waste Management and Radiation Control no later than March 1st, of the following year that the report is due. Reporting years are even numbered years beginning with 2006 and odd numbered years beginning 2007 for the duration of the Post-Closure Monitoring Period.</td>
</tr>
<tr>
<td>Anticipated Non-Compliance (VII.C.5.)</td>
<td>30 days advance notice of any change, which may result in non-compliance.</td>
</tr>
<tr>
<td>24-hour Notification on information concerning the non-compliance, which may endanger public drinking water supplies or human health or the environment (VII.C.5.).</td>
<td>Orally within 24 hours of discovery noncompliance</td>
</tr>
<tr>
<td>Five-day written notification on information concerning the non-compliance, which may endanger public drinking water supplies or human health or the environment. The Director may waive the 5-day notice, in favor of a 15-day (VII.C.5.).</td>
<td>Within 5 days of discovery</td>
</tr>
<tr>
<td>Written notification on information concerning the non-compliance, which does not endanger human health or the environment (VII.C.5.).</td>
<td>Submitted with the Biannual Post Closure Report are submitted.</td>
</tr>
</tbody>
</table>

9.0. POST-CLOSURE CERTIFICATION

No later than 60 days after post-closure activities are completed and approved by the Director, Dugway shall submit a certification to the Board, signed by Dugway and an independent professional engineer registered in the State of Utah, stating why post-closure care is no longer needed.
REFERENCES


USGS, 1993b. *Davis Knolls,* 7.5 minute quadrangle topographic map.

APPENDIX A

COPY OF
CERTIFICATION OF CLOSURE
CERTIFICATION OF CLOSURE

The Closure Report for Hazardous Waste Management Unit (HWMU) 128 at Dugway Proving Ground, Utah has been prepared by Shaw Environmental in accordance with the closure requirements specified under the Utah Administrative Code (UAC) 315-7-14 and 40 Code of Federal Regulations 265, Subparts G. The requirements of UAC 315-101 form the basis for the risk-based criteria in the closure of HWMU 128.

In accordance with 40 CFR 265.115, the signature and seal certify that a licensed professional has reviewed the Closure Report in accordance with the above referenced regulatory requirements.

Respectfully submitted,

Scott Reed
Directorate of Environmental Programs
Dugway Proving Ground

Adam S. Ng, Ph.D., P.E.
Shaw Environmental, Inc.
Utah Registered Civil Engineer No. 4858945-2202