

MODULE IX - CORRECTIVE ACTION FOR SOLID WASTE MANAGEMENT UNITS SCHEDULE OF COMPLIANCE

IX.A. SOLID WASTE MANAGEMENT UNITS

IX.A.1. The Permittee shall conduct corrective action, in accordance with Module IX, for each Solid Waste Management Unit specified in Tables IX-2.

IX.A.2. The Director may require the Permittee to add additional Solid Waste Management Units to those listed in Tables IX-1, and IX-2, based on additional information received by the Permittee, the Director, or any other knowledgeable source.

IX.B. STANDARD CONDITIONS

IX.B.1. Failure to submit the information required by Module IX or falsification of any submitted information is grounds for termination of this permit in accordance with Utah Admin. Code R315-3-4.

IX.B.2. The Permittee shall sign and certify all plans, reports, notifications, and other submissions to the Director in accordance with Condition I.G.

IX.B.3. The Permittee shall submit a minimum of two copies of each plan, report, notification, or other submissions required by Module IX, to the Director.

IX.B.4. Upon written approval from the Director, all plans and schedules required by the conditions in Module IX, shall be incorporated into Module IX of this permit in accordance with Condition IX.I. Any noncompliance with such approved plans and schedules shall be deemed noncompliance with this permit.

IX.B.5. If the Director determines that further actions beyond those required by Module IX are warranted, the Permittee shall modify Module IX in accordance with Condition IX.I.

IX.B.6. All raw data, such as laboratory reports, drilling logs, bench-scale or pilot-scale data, and other supporting information gathered or generated during activities undertaken pursuant to conditions in Module IX shall be maintained in accordance with Condition I.F.13.d.

IX.C. NOTIFICATION REQUIREMENTS FOR AND ASSESSMENT OF NEWLY-IDENTIFIED SOLID WASTE MANAGEMENT UNITS

IX.C.1. The Permittee shall notify the Director in writing, of any newly identified SWMU(s) not identified in Condition IX.A., within 30 days of discovering the SWMU(s). The notification shall include the location of the new SWMU(s) and information on the suspected or known wastes at the site. New SWMUs shall be incorporated into the permit according to Condition I.D.

IX.C.2. Within 150 days following discovery of the SWMU(s), the Permittee shall submit a SWMU Assessment Plan to the Director.

IX.C.3. The SWMU Assessment Plan shall include:

IX.C.3.a. A description of past and present operations at the unit(s); and

IX.C.3.b. Any groundwater, surface water, soil (surface or subsurface strata), or air sampling and analysis data needed to determine whether a release of hazardous waste or hazardous waste constituents from such units is likely to occur. The SWMU Assessment Plan shall demonstrate that the sampling and analysis program, if applicable, is capable of yielding representative samples and shall include parameters sufficient to identify migration of hazardous waste or hazardous waste constituents, or both, from the newly discovered SWMUs to the environment.

IX.C.4. The SWMU Assessment Plan shall be evaluated by the Director and;

IX.C.4.a. The Permittee shall receive written approval from the Director for the SWMU Assessment Plan; or

IX.C.4.b. The Permittee shall receive written notice from the Director of the SWMU Assessment Plan's deficiencies and the written notice will specify a due date for submittal of a revised assessment plan; or

IX.C.4.c. The Permittee shall receive written notice from the Director of the revisions incorporated by the Director in the SWMU Assessment Plan. The revised Assessment Plan shall become the approved SWMU Assessment Plan.

IX.C.5. The approved SWMU Assessment Plan shall be incorporated within Module IX in accordance with Condition IX.I. The Permittee shall be notified in writing of the revisions to the SWMU Assessment Plan. The Director may require the Permittee to conduct new or more extensive assessments, investigations, or studies, as needed.

IX.C.6. The SWMU Assessment Plan shall contain a schedule for a SWMU Assessment Report including the date the report will be submitted to the Director.

IX.C.7. The Permittee shall implement the approved SWMU Assessment Plan within 30 days of approval or revision by the Director.

IX.C.8. The SWMU Assessment Report shall describe all results obtained from the implementation of the approved SWMU Assessment Plan. For each newly identified SWMU, the report shall provide:

IX.C.8.a. The SWMU location, identified on a map;

IX.C.8.b. The type and function of the unit, including general dimensions and a structural description;

IX.C.8.c. The period during which the unit was operated; and

IX.C.8.d. A list of all wastes managed at the SWMU and results of all sampling and analysis used to determine whether releases of hazardous wastes and/or hazardous waste constituents have occurred, are occurring, or are likely to occur from the unit.

IX.C.9. Based on the results of SWMU Assessment Report, the Director shall determine the need for further investigations at specific units included in the SWMU Assessment. If the Director determines that such investigations are needed, the Director may require the Permittee to prepare a plan for such investigations. This plan shall be reviewed for approval as part of the RCRA Facility Investigation Workplan under Condition IX.D.

IX.C.10. Within 30 days of discovery, the Permittee shall notify the Director in writing, of any release(s) of hazardous waste or hazardous waste constituents, or both, discovered during the course of groundwater monitoring, field investigation, environmental auditing, or other activities undertaken during the RCRA Facility Investigation. Such releases may be from already documented or newly identified units. The Director may require further investigation of the new releases. A plan for such investigation will be reviewed for approval as part of the RCRA Facility Investigation Workplan under Condition IX.D.

IX.D. RCRA FACILITY INVESTIGATION (RFI)

IX.D.1. The Permittee shall conduct a RFI to determine the nature and extent of known and suspected releases of hazardous wastes or hazardous waste constituents, or both, from each SWMU at the Facility and to gather data to support the Corrective Measures Study. The Permittee shall conduct the RFI in accordance with the requirements specified in Volume I, Appendix A.

IX.D.1.a. The Permittee shall conduct an RFI-Phase I, in accordance with Appendix A, Task I.D, for each SWMU in which a release of hazardous waste or hazardous waste constituents has been documented, as specified in Table IX-2.

IX.D.1.a.i. The Permittee shall prepare and submit the RFI, Task I Report, as specified in Volume I, Appendix A, for each SWMU in which a release of hazardous waste or hazardous waste constituents has been documented.

IX.D.1.a.ii. The Permittee shall evaluate the RFI-Phase I Report and identify SWMUs that require additional investigation under the RFI Phase II (Task II and Task III). Based on the data collected in the RFI-Phase I, the Permittee shall prioritize each SWMU identified for additional investigation according to the SWMU's threat to human health or the environment. Based on the classification of the SWMU(s), the Permittee shall

recommend a RFI schedule for the investigation of each SWMU's potential or imminent threat to human health or the environment.

IX.D.1.a.iii. The Permittee may request that the Director modify the RFI schedules, specified in Tables IX-3 and IX-4, pursuant to permit conditions IX.I.1. and IX.I.3., to allow additional investigations under the RFI-Phase II (Task II and Task III) to be conducted according to the prioritization of the SWMUs, in accordance with Condition IX.D.1.a.ii.

IX.D.1.b. The Permittee shall conduct the RFI for the SWMUs specified in Table IX-2 in accordance with the schedule specified in Table IX-3.

IX.D.1.c. The Permittee shall conduct the RFI for the SWMUs specified in Table IX-2 in accordance with the schedule specified in Table IX-4.

IX.D.1.d. The RFI compliance schedules specified in Tables IX-4 and IX-5, may be modified in accordance with Condition IX.I.

IX.E. INTERIM MEASURES

IX.E.1. If, during the course of any activity initiated in compliance with the permit conditions of Module IX, the Director or the Permittee determines that a release or potential release of hazardous waste or hazardous waste constituents from a SWMU poses a threat to human health and the environment, the Permittee shall be required to perform specific interim measures.

IX.E.2. If the Director or the Permittee determines the need for interim measures, the Permittee shall submit for approval by the Director an Interim Measures Plan. The Interim Measures Plan shall identify specific actions to be taken to implement the interim measures and a schedule for implementing the required measures. The Interim Measures Plan shall be incorporated into this permit. The Interim Measures Plan shall include, at a minimum, the following:

IX.E.2.a. Within 30 days of receiving the written notification requiring the Interim Measures Plan as specified in IX.E.2., the Permittee shall provide the Interim Measures Plan to the Director for approval.

IX.E.2.b. Objectives of the interim measures shall include how the measure is mitigating a potential threat to human health and the environment, how it is consistent with and integrated into any long term remedy at the TEAD, or both;

IX.E.2.c. Data collection quality assurance and data management information;

IX.E.2.d. Design plans and specifications, construction requirements, operation and maintenance requirements, project schedules, and final design documents;

IX.E.2.e. Construction quality assurance objectives, inspection activities, sampling requirements, and documentation; and

IX.E.2.f. Schedule for submittal of the following reports; progress reports, final design documents, draft interim measures report, and final interim measures report.

IX.E.3. In determining whether an interim measure is required, the Director shall consider the following:

IX.E.3.a. Time required to develop and implement an interim remedy:

IX.E.3.b. Actual and potential exposure of human and environmental receptors;

IX.E.3.c. Actual and potential contamination of drinking water supplies and sensitive ecosystems;

IX.E.3.d. The potential for further degradation of the medium without interim measures;

IX.E.3.e. Presence of hazardous waste that may pose a threat of release;

IX.E.3.f. Presence and concentration of hazardous waste including hazardous waste constituents in soils that have the potential to migrate to groundwater or surface water.

IX.E.3.g. Weather conditions that may affect the current levels of contamination;

IX.E.3.h. Risks of fire, explosion, or accident; and

IX.E.3.i. Other situations that may pose threats to human health and the environment.

IX.F DETERMINATION OF NO FURTHER ACTIONS

IX.F.1. Based on the results of the RFI, the Permittee may petition the Director to approve a determination of no further action (NFA) for any of the SWMUs listed in Table IX-2.

IX.F.2. The NFA petition shall contain information based on the RFI that demonstrates that there are no releases of hazardous waste or hazardous waste constituents from the SWMU(s) or any releases are below background levels or below risk levels as identified in Utah Admin. Code R315-101.

IX.F.3. A NFA determination in accordance with Condition IX.F.1., shall not preclude the Director from requiring further investigations, studies, or remediation at a later date if new information or subsequent analysis indicates a release or potential of a release from a

SWMU. In such a case, the Director shall rescind the NFA determination and the Permittee shall modify the Corrective Action Schedule of Compliance (Module IX).

IX.G. CORRECTIVE MEASURES STUDY (CMS) AND IMPLEMENTATION (CMI)

IX.G.1. Based on the results of the RFI, the Permittee shall conduct the CMS in accordance with the requirements specified in Appendix B (Task I -VI). The CMS shall describe the alternatives for treatment or other remediation of the contamination. The CMS shall be submitted to the Director for approval.

IX.G.2. Upon the Director's approval of the CMS, the Permittee shall submit, as indicated in Table IX-5, to the Director for approval, the CMI Plan, specified in Volume I, Appendix B, Task V.A.

IX.G.3. Upon the Director's approval of the CMI Plan, the Permittee shall implement the CMI Plan specified in Appendix B, Task IV [the corrective measures design (Task IV.B.) and begin the construction of the corrective measures (Task IV.C.)].

IX.G.4. The Permittee shall conduct the CMS and prepare the CMI Plan, as specified in Conditions IX.G.1. and IX.G.2., according to the schedule specified in Table IX-5.

IX.G.5. The CMS and CMI Plan compliance schedules, specified in Table IX-5, may be modified in accordance with Condition IX.I.

IX.H. REPORTING REQUIREMENTS

IX.H.1. The Permittee shall present semi-annual progress reports as part of the Technical Review Committee/Restoration Advisory Board of all activities conducted pursuant to the Conditions of Module IX.

IX.H.2. The semi-annual progress reports shall contain, at a minimum:

IX.H.2.a. A description of the work completed;

IX.H.2.b. Summaries of all findings and all raw data;

IX.H.2.c. Summaries of all problems encountered during the reporting period and actions taken or to be taken to rectify problems; and

IX.H.2.d. Projected work for the next reporting period.

IX.I. MODIFICATION OF THE CORRECTIVE ACTION SCHEDULE OF COMPLIANCE (MODULE IX)

IX.I.1. A request for modifications of the final compliance dates pursuant to the permit conditions in Module IX shall be submitted to the Director for approval. Final compliance dates in the Corrective Action Schedule of Compliance include:

IX.I.1.a. The compliance date(s), as specified in Tables IX-3 and IX-4, for submittal of the RFI Final Report (Appendix A, Task IV);

IX.I.1.b. The compliance date(s), specified in Table IX-5, for submittal of the CMS Report, in accordance with Condition I.G.1.;

IX.I.1.c. The compliance date(s), as specified in Table IX-5, for submittal of the final CMI Plan, in accordance with Condition IX.G.2.;

IX.I.1.d. Once established in accordance with Condition IX.G.5., the compliance date(s) for submittal of the as-built corrective measures final design and construction plans, in accordance with Condition IX.G.3.;

IX.I.1.e. Compliance dates specified in Tables IX-3, IX-4, and IX-5, for implementing the approved plans and reports; and

IX.I.2. The compliance schedules specified in Tables IX-4 and IX-5, may be modified in accordance with permit modification requirements as specified in Module I.D., if the Director determines that good cause exists.

IX.I.2.a. Failure to receive adequate funds which were requested to conduct the CMI Plan, pursuant to Condition IX.G.3., shall be considered good cause for modification of the compliance schedule(s), Table IX-5, as specified in Condition IX.I.2.

IX.I.2.a.i. The Permittee shall use its best effort to secure all funds that may be required for implementation of the requirements specified in Condition IX.G.3. pursuant to the compliance schedule in Table IX-5;

IX.I.2.a.ii. The Permittee shall maintain and submit to its Major Command on an annual basis a budget for funding required to achieve the compliance schedule in Table IX-5. This budget will include all future funding requirements for design, construction, operations, maintenance, and monitoring as required for each site addressed by this permit. The budget will be maintained using the best available cost estimates developed under Task II of Appendix B to this permit.

IX.I.2.a.iii. Immediately upon failure to obtain adequate funding, the Permittee shall submit to the Director a written request and justification, for modification of the compliance schedule specified in Table IX-5. The written justification shall demonstrate that good cause exists, pursuant to Condition IX.2.a. The Permittee shall document in the justification its efforts to obtain adequate funding. The Permittee shall also provide an alternate schedule of compliance for conducting the CMI for the subsequent fiscal year.

IX.I.2.b. For any approved modification, the compliance schedule specified in Table IX-5 shall be modified to provide relief from the original compliance schedule timeframes only for the subsequent fiscal year. All successive compliance dates after the end of such fiscal year shall be modified to reflect the original timeframes specified prior to the modification request under Condition IX.I.2.a.

IX.I.2.c. Failure to obtain adequate funds or appropriations from Congress shall not in any way release the Permittee from its obligation to comply with the CMI (Condition IX.G.3.) or any other requirement of this permit.

IX.I.2.d. If adequate funds for CMI are not available, the Director reserve the right to pursue any actions deemed necessary to protect human health and the environment, not excluding judicial recourse or termination of this permit.

IX.I.3. The Permittee may submit a request for modifications of the interim compliance dates that do not affect the final compliance dates to the Director for approval. If the Director approves the interim compliance date modifications, Tables IX-3, IX-4, and IX-5 shall incorporate the modified compliance dates as approved and such change shall not be considered a permit modification.

**TABLE IX-1
TOOELE ARMY DEPOT-NORTH
SWMU LIST**

| SWMU | TEAD SITE | AREA | LEAD | COMMENT |
|-------------|-------------------------|--------------------|-------------|-------------------------|
| 1 | OB/OD Area | Ammo | Utah | |
| 1b | Propellant Burn Pad | Ammo | Utah | |
| 1c | Trash Burn Pits | Ammo | Utah | |
| 1d | Propellant Burn Pans | Ammo | Utah | |
| 2 | Ind. Waste Lagoon | Revetment | Utah | |
| 3 | X-Ray Lagoon | Ammo | Utah | |
| 4 | Sandblast Area | BRAC | Utah | Bldgs 600,615,617,617A |
| 5 | PCB Pole Spill | Ammo | EPA | Pole 184 |
| 6 | Old Burn Area | Ammo | EPA | |
| 7 | Chemical Range | Ammo | EPA | |
| 8 | Sm Firing Range | Ammo | EPA | |
| 9 | Drummed Rad. Waste | BRAC | EPA | |
| 10 | TNT Washout Facil. | Ammo | Utah | |
| 11 | Laundry Effluent Pond | Ammo | Utah | |
| 12 | Pesticide Disposal Area | Landfill | Utah | |
| 13 | Tire Disposal Site | Ammo | EPA | |
| 14 | Sewage Lagoons | Revetment | Utah | |
| 15 | Sanitary Landfill | Landfill | Utah | |
| 17 | Transformer St. Area | BRAC | EPA | Open Storage Lot 675 B |
| 18 | Rad. W. Storage Bldg. | BRAC | EPA | Building S659 |
| 19 | AED Demil Test Fac. | Ammo | EPA | |
| 20 | AED Deact Furn Site | Ammo | Utah | |
| 21 | Ammo Deact Furn Bldg. | Ammo | Utah | Building 1320 |
| 22 | Bldg 1303 WO Pond | Ammo | EPA | |
| 23 | Bomb & Shell Recon. | Ammo | EPA | |
| 24 | Battery Pit | Admin | Utah | Near Building 507 |
| 25 | Battery Shop (1252) | Ammo | Utah | |
| 26 | DRMO Storage Yard | BRAC | Utah | |
| 27 | RCRA C. Storage | Admin | Utah | |
| 28 | 90-Day Drum St. A. | BRAC | Utah | |
| 29 | Drum Storage Areas | BRAC | Utah | |
| 30 | Old IWL | Revetment/ BRAC | Utah | |
| 31 | F. Trans. Boxing A. | BRAC | EPA | |
| 32 | PCB Spill Site | BRAC | EPA | Open Storage Lot 665 D |
| 33 | PCB Storage Bldg. 659 | BRAC | EPA | |
| 34 | Pesticide H & Stor. | Admin | Utah | Bldg 518, 502, 532, 529 |
| 35 | WW Spreading Area | Admin | EPA | |
| 36 | Old Burn Staging A. | Ammo | EPA | |
| 37 | Cont. W. Proc. Pl. | Ammo | Utah | |
| 38 | Ind. Waste Tr. Pl. | BRAC | Utah | |

| | | | | |
|----|---|----------------|------|------------------------------------|
| 39 | Solvent Rec. Fac. | BRAC | Utah | |
| 40 | AED Test Range | Ammo | EPA | |
| 41 | Box Elder Wash Drum | Ammo | EPA | |
| 42 | Bomb Wash Out Bldg. | Admin | Utah | Bldg 539 |
| 43 | Container Storage for P999 | Ammo | Utah | Igloos B1002,C117,G308, G1005,K202 |
| 44 | Tank Storage of TCE | BRAC | Utah | Building 620 |
| 45 | Stormwater Holding Pond | BRAC | Utah | |
| 46 | Used Oil Dumpsters | BRAC/ Admin | Utah | |
| 47 | Boiler Blowdown Areas | BRAC | Utah | Includes Bldg. 691 |
| 48 | Old Dispensary | Admin | Utah | Bldg. 400 |
| 49 | Stormwater System | BRAC | Utah | |
| 50 | Comp Condensate Drn. | BRAC | Utah | Bldgs 613 and 619 |
| 51 | Chromic Acid/Alodine Drying Beds | BRAC | Utah | Facility 623 |
| 52 | Field Drain, Disposal Tr. Housing & Stables | BRAC | Utah | |
| 53 | PCB Storage & Spill Sites | BRAC | Utah | Bldg. 659, 679 |
| 54 | Sandblast Areas | BRAC | Utah | Bldgs. 604, 611, and 637 |
| 55 | Battery Shop | BRAC | Utah | Bldg. 618 |
| 56 | Gravel Pit | BRAC | Utah | |
| 57 | Skeet Range | BRAC | Utah | |
| 58 | Indust Area GW Sources | BRAC | Utah | |

* Note * The SWMU numbering corresponds to that used in the Final Interim RCRA Facility Assessment (RFA), December, 1987, NUS Project Y949, Prepared for the USEPA. SWMUs number 43-58 were not included in the Final Interim RFA.

Table IX-2. SWMU/Phase Milestones

| RCRIS CA Code | | | CA050 | CA100 | CA150 | CA200 | CA300 | CA350 | CA400 | CA500 | CA550 | n/a | CA600 | CA650 | CA999 | |
|---------------|------|--------------------------------------|--------------|-------------|-----------------|--------------|-----------------|-------------------------|-------------|-----------------------------|-----------------|--------------|-------------|--------------|--------------|-----------|
| SWMU | Grp | SWMU Description | RFA Complete | RFI Imposed | RFI WP Approved | RFI Approved | CMS WP Approved | CMS Approved | CMI Imposed | CMI WP Approved | CMI(C) Complete | CMI(O) Start | IRA Imposed | IRA Complete | SMP Approved | NFA |
| 1 | A | Open Burn/Open Detonation Area | 18-Dec-87 | 7-Jan-91 | 15-Jul-94 | 6-Oct-97 | | | | | | | | | | 6-Oct-97 |
| 20 | A | AED Deactivation Furnace Site | 18-Dec-87 | 7-Jan-91 | 15-Jul-94 | 6-Oct-97 | 13-Jun-00 | 28-Jun-01 | 28-Jun-01 | 20-Feb-03 | 19-Jan-07 | 19-Jan-07 | | | 28-Jun-10 | |
| 21 | A | Ammo Deactivation Furnace Site | 18-Dec-87 | 7-Jan-91 | 15-Jul-94 | 6-Oct-97 | 13-Jun-00 | 28-Jun-01 | 28-Jun-01 | 20-Feb-03 | 3-Mar-07 | 21-Mar-07 | | | 28-Jun-10 | |
| 34 | A | Pesticide Handling and Storage Area | 18-Dec-87 | 7-Jan-91 | 15-Jul-94 | 6-Oct-97 | 13-Jun-00 | 28-Jun-01 | 28-Jun-01 | 20-Feb-03 | 12-Dec-06 | | | | 28-Jun-10 | |
| 37 | A | Contaminated Waste Processor | 18-Dec-87 | 7-Jan-91 | 15-Jul-94 | 6-Oct-97 | 13-Jun-00 | 28-Jun-01 | 28-Jun-01 | | | | | | | 03-Oct-04 |
| 42 | A | Bomb Washout Facility, Building 539 | 18-Dec-87 | 7-Jan-91 | 15-Jul-94 | 6-Oct-97 | 13-Jun-00 | 28-Jun-01 | 28-Jun-01 | 14-Oct-04 | 13-Dec-06 | 13-Dec-06 | | | 26-Nov-07 | |
| 45 | A | Storm water Holding Pond | 18-Dec-87 | 7-Jan-91 | 15-Jul-94 | 6-Oct-97 | 13-Jun-00 | 28-Jun-01 | 28-Jun-01 | | | | | | | |
| 48 | A | Old Dispensary | 18-Dec-87 | 7-Jan-91 | 15-Jul-94 | 6-Oct-97 | 13-Jun-00 | 28-Jun-01 | 28-Jun-01 | | | | | | 3-Mar-11 | |
| 1b | A | Propellant Burn Pad | 18-Dec-87 | 7-Jan-91 | 15-Jul-94 | 6-Oct-97 | 13-Jun-00 | 28-Jun-01 | 28-Jun-01 | | | | | | 28-Jun-10 | |
| 1c | A | Trash Burn Pits | 18-Dec-87 | 7-Jan-91 | 15-Jul-94 | 6-Oct-97 | 13-Jun-00 | 28-Jun-01 | 28-Jun-01 | | | | | | 28-June-10 | |
| 1d | A | Propellant Burn Pans | 18-Dec-87 | 7-Jan-91 | 15-Jul-94 | 6-Oct-97 | | | | | | | | | | 6-Oct-97 |
| 4 | B | Sandblast Areas | 18-Dec-87 | 7-Jan-91 | 15-Jul-94 | 6-Oct-97 | 7-Aug-00 | 12-Feb-01 | 12-Feb-01 | | | | | | 18-Sep-02 | |
| 14 | B | Sewage Lagoons | 18-Dec-87 | 7-Jan-91 | 15-Jul-94 | 6-Oct-97 | | | | | | | | | | 6-Oct-97 |
| 19 | B | AED Demilitarization Test Facility | 18-Dec-87 | 7-Jan-91 | 15-Jul-94 | 6-Oct-97 | 7-Aug-00 | 12-Feb-01 | 12-Feb-01 | | | | | | 3-Mar-11 | |
| 26 | B | DRMO Storage Yard | 18-Dec-87 | 7-Jan-91 | 15-Jul-94 | 6-Oct-97 | 7-Aug-00 | 12-Feb-01 | 12-Feb-01 | | | | | | 03-Oct-04 | |
| 28 | B | 90 Day Drum Storage Area | 18-Dec-87 | 7-Jan-91 | 15-Jul-94 | 6-Oct-97 | | | | | | | | | | 6-Oct-97 |
| 29 | B | Drum Storage Areas | 18-Dec-87 | 7-Jan-91 | 15-Jul-94 | 6-Oct-97 | 7-Aug-00 | 12-Feb-01 | 12-Feb-01 | | | | | | 03-Oct-04 | |
| 38 | B | Indust Wastewater Treatment Facility | 18-Dec-87 | 7-Jan-91 | 15-Jul-94 | 6-Oct-97 | | | | | | | | | | 6-Oct-97 |
| 46 | B | Used Oil Dumpsters | 18-Dec-87 | 7-Jan-91 | 15-Jul-94 | 6-Oct-97 | 7-Aug-00 | 12-Feb-01 | 12-Feb-01 | 15-Oct-01 | Jul-03 | | | | 23-Sep-08 | |
| 47 | B | Boiler Blowdown | 18-Dec-87 | 7-Jan-91 | 15-Jul-94 | 6-Oct-97 | | | | | | | | | | 6-Oct-97 |
| 49 | C | Storm/Industrial Wastewater System | 1994 | 1994 | 14-Feb-96 | 8-May-98 | 8-Dec-00 | 28-Jun-01 | 28-Jun-01 | 23-Apr-02 | 5-Aug-04 | | | | | |
| 50 | C | Compressor Condensate Drains | 1994 | 1994 | 14-Feb-96 | 8-May-98 | 8-Dec-00 | 28-Jun-01 | 28-Jun-01 | | | | | | 11-Jan-08 | |
| 51 | C | Chromic Acid/Alodine Drying Beds | 1994 | 1994 | 14-Feb-96 | 8-May-98 | 8-Dec-00 | 28-Jun-01 | 28-Jun-01 | | | | | | 11-Jan-08 | |
| 53 | C | PCB Storage and Spill Sites | 1994 | 1994 | 14-Feb-96 | 8-May-98 | | | | | | | | | | 8-May-98 |
| 54 | C | Sandblast Areas | 1994 | 1994 | 14-Feb-96 | 8-May-98 | 8-Dec-00 | 28-Jun-01 | 28-Jun-01 | 31-Jul-02 | Jan-06 | | | | | |
| 55 | C | Battery Shop, Building 618 | 1994 | 1994 | 14-Feb-96 | 8-May-98 | | | | | | | | | | 8-May-98 |
| 56 | C | Gravel Pit | 1994 | 1994 | 14-Feb-96 | 8-May-98 | 8-Dec-00 | 28-Jun-01 May-07 (L) | 28-Jun-01 | 2-Nov-02 Sep-07 (M) | 11-Jun-08 | | | | | |
| 57 | C | Skeet Range | 1994 | 1994 | 14-Feb-96 | 8-May-98 | 8-Dec-00 | 28-Jun-01 | 28-Jun-01 | 10-Jun-02 | 9-Dec-03 | | | | | 9-Dec-03 |
| 52a | C | Drain Field | 1994 | 1994 | 14-Feb-96 | 8-May-98 | | | | | | | | | | 8-May-98 |
| 52b | C | Disposal Trenches | 1994 | 1994 | 14-Feb-96 | 8-May-98 | 8-Dec-00 | 28-Jun-01 | 28-Jun-01 | | | | | | Apr-05 | |
| 52c | C | Charcoal Spreading Area | 1994 | 1994 | 14-Feb-96 | 8-May-98 | 8-Dec-00 | 28-Jun-01 | 28-Jun-01 | 23-Aug-02 | 9-Dec-03 | | | | | 9-Dec-03 |
| 52d | C | Horse Stable Area | 1994 | 1994 | 14-Feb-96 | 8-May-98 | 8-Dec-00 | 28-Jun-01 | 28-Jun-01 | 2-Nov-02 | 15-Dec-06 | | | | | 15-Dec-06 |
| 2 | KR | Industrial Waste Lagoon | 18-Dec-87 | 7-Jan-91 | 1997 | 1998 | 13-Jun-00 | | | | | 1993(C) | | | | |
| 10 | KR | TNT Washout Facility | 18-Dec-87 | 7-Jan-91 | 1994 | 10-May-96 | 13-Jun-00 | 15-Jan-03 | 15-Jan-03 | 21-Nov-06 | Dec-07 | Dec-07 | | | 1-Oct-09 | |
| 12 | KR | Pesticide Disposal Area | 18-Dec-87 | 7-Jan-91 | 1994 | 10-May-96 | 13-Jun-00 | 9-Mar-04 | 9-Mar-04 | Jul-05 | 1-Dec-06 | 1-Dec-06 | | | Jul-05 (N) | |
| 15 | KR | Sanitary Landfill | 18-Dec-87 | 7-Jan-91 | 1994 | 10-May-96 | 13-Jun-00 | 9-Mar-04 | 9-Mar-04 | Jul-05 | 1-Dec-06 | 1-Dec-06 | 1-Jan-02 | 18-Feb-03(A) | Jul-05 (N) | |
| 24 | KR | Battery Pit, Building 507 | 18-Dec-87 | 7-Jan-91 | 1994 | 10-May-96 | | | | | | | | | | 10-May-96 |
| 3 | KR-1 | X-Ray Lagoon | 18-Dec-87 | 7-Jan-91 | 1994 | 10-May-96 | 13-Jun-00 | 29-Apr-02 | 29-Apr-02 | 3-Oct-03(G) 19-Jan-05(H) | Jan-05 | | | | | |
| 11 | KR-1 | Laundry Effluent Ponds | 18-Dec-87 | 7-Jan-91 | 1994 | 10-May-96 | 13-Jun-00 | 29-Apr-02 | 29-Apr-02 | 24-Nov-03 | 13-Jul-07 | | | | | |
| 25 | KR-1 | Battery Shop, Building 1252 | 18-Dec-87 | 7-Jan-91 | 1994 | 10-May-96 | 13-Jun-00 | 29-Apr-02 | 29-Apr-02 | 24-Nov-03 | 13-Apr-07 | | | | | |

| RCRIS CA Code | | | CA050 | CA100 | CA150 | CA200 | CA300 | CA350 | CA400 | CA500 | CA550 | n/a | CA600 | CA650 | CA999 | |
|---------------|------|-------------------------------------|--------------|-------------|---|--|-----------------|--------------|-------------|-----------------|-----------------|--------------|-------------|-------------------------------|--------------|-----------|
| SWMU | Grp | SWMU Description | RFA Complete | RFI Imposed | RFI WP Approved | RFI Approved | CMS WP Approved | CMS Approved | CMI Imposed | CMI WP Approved | CMI(C) Complete | CMI(O) Start | IRA Imposed | IRA Complete | SMP Approved | NFA |
| 30 | KR-1 | Old Industrial Waste Lagoon | 18-Dec-87 | 7-Jan-91 | 1994 | 10-May-96 | 13-Jun-00 | 29-Apr-02 | | | | | | | | 29-Apr-02 |
| 27 | SR | RCRA Container Storage | 18-Dec-87 | 7-Jan-91 | 1993 | 1994 | | | | | | | | | | 1994 |
| 39 | SR | Solvent Recovery Facility | 18-Dec-87 | 7-Jan-91 | 1993 | 1994 | | | | | | | | | | 1994 |
| 43 | SR | Container Storage, P999 | 18-Dec-87 | 7-Jan-91 | 1993 | 1994 | | | | | | | | | | 1994 |
| 44 | SR | Tank Storage TCE | 18-Dec-87 | 7-Jan-91 | 1993 | 1994 | | | | | | | | | | 1994 |
| 58 | D | Industrial Area Groundwater Sources | 1998 | 1-Apr-98 | 15-Mar-99(D) 8-Jan-04(E) 22-Sep-04(J) | 3-Apr-03(B) 27-Oct-03(K) 14-Jan-09 (O) | 28-Jan-09 | 06-Jul-12 | 06-Jul-12 | | | | | 18-Feb-04(F) 24-Feb-05 (I) | | |

 Phase Not Required

- (A) Removal and Relocation of Landfill Debris from the Utah Industrial Depot
- (B) Phase I RCRA Facility Investigation of On-site Sources and Groundwater
- (C) Main TCE Plume Groundwater Pump-and-Treat System
- (D) Phase I RCRA Facility Investigation
- (E) Phase II RCRA Facility Investigation
- (F) Groundwater Management Area
- (G) Site Closure Workplan
- (H) Well Abandonment Workplan
- (I) Bldg 679 Oil/Water Separator Removal
- (J) Addendum to Phase II RFI Workplan
- (K) Addendum to Phase I RCRA Facility Investigation, Off-site Ground Water Contamination
- (L) CMS Revision for Change of Cleanup Levels from Residential to Industrial
- (M) CMI WP Revision for Change of Cleanup Levels from Residential to Industrial
- (N) SMP is contained in Attachment 5 of the CM Work Plan for SWMU 12/15-Sanitary Landfill and Pesticide Disposal Area
- (O) Phase II RCRA Facility Investigation

**TABLE IX-3
RCRA FACILITY INVESTIGATION COMPLIANCE SCHEDULE
FOR SOLID WASTE MANAGEMENT UNITS (SWMUs)
WITH SUSPECTED RELEASES**

| <u>RFI Activity</u> | <u>Due Date</u> |
|---|---|
| SUBMIT RFI-PHASE I WORKPLAN (TASK I.D.) | Within ninety (90) days of the effective date of this permit. |
| SUBMIT FINAL TASK I REPORT | Within two hundred seventy (270) days of the Director's approval of the RFI-Phase I Workplan |
| SUBMIT DRAFT RFI-PHASE II (TASK II & III) WORKPLAN AND SCHEDULE | With ninety (90) days of the Director's approval of the final Task I Report. |
| INIATE RFI-PHASE II (TASK II AND III) ACTIVITIES | Within sixty (60) days of the Director's approval of the Task II and III workplan and schedule. |
| SUBMIT TASK IV DRAFT REPORT | As specified in the Director approved RFI-Phase II (Task II and III) Workplan and Schedule |
| SUBMIT TASK IV FINAL AND SUMMARY REPORTS | As specified in the Director approved RFI-Phase II (Task II and III) workplan and schedule. |

**TABLE IX-4
RCRA FACILITY INVESTIGATION COMPLIANCE SCHEDULE
FOR SOLID WASTE MANAGEMENT UNITS (SWMUs)
WITH KNOWN RELEASES**

| <u>RFI Activity</u> | <u>Due Date</u> |
|--|---|
| SUBMIT FINAL TASK I REPORT (excluding RFI-Phase I, Task I.D.) | Within 180 days of the effective date of this permit. |
| SUBMIT DRAFT RFI-PHASE II TASK II & III) WORKPLAN AND SCHEDULE | With 90 days of the Director's approval of the final Task I report. |
| INITIATE RFI-PHASE II (TASK II AND III) ACTIVITIES | With 45 days of the Director's approval of the Task II and III workplan and schedule. |
| SUBMIT TASK IV DRAFT REPORT | As specified in the Director approved RFI-Phase II (Task II and III) workplan and schedule. |
| SUBMIT TASK IV FINAL AND SUMMARY REPORTS | As specified in the Director approved RFI-Phase II (Task II and III) workplan and schedule. |

**TABLE IX-5
CORRECTIVE MEASURES STUDY AND IMPLEMENTATION
COMPLIANCE SCHEDULE
FOR SOLID WASTE MANAGEMENT UNITS (SWMUs)**

| <u>CMS SUBMISSION/CMI SUBMISSION</u> | <u>Due Date</u> |
|--|--|
| SUBMIT CMS WORKPLAN (TASK I) | Within 60 days of the Director's approval of the RCRA Facility Investigation Final Report. |
| SUBMIT DRAFT CMS REPORT (TASK I, II, & III) AND DECISION DOCUMENT (STATEMENT OF BASIS) | Within 300 days of the Director's approval of the CMS Workplan. |
| SUBMIT FINAL CMS REPORT (TASK IV.A.) AND DECISION DOCUMENT (STATEMENT OF BASIS) | Within 60 days of the Director's comments on the draft CMS report. |
| SUBMIT DRAFT CMI PLAN (TASK IV.A.) | Within 90 days of the Director's approval of the final CMS report. |
| SUBMIT FINAL CMI PLAN | Within 60 days of the Director's comments on the draft CMI Plan. |
| SUBMIT CORRECTIVE MEASURES DESIGN PRELIMINARY DESIGN APPROXIMATELY 30% COMPLETE | Within 60 days of the Director's approval of the final CMI Plan. |
| SUBMIT CORRECTIVE MEASURES DESIGN PRELIMINARY DESIGN APPROXIMATELY 60% COMPLETE | As specified in the Director approved CMI Plan. |
| SUBMIT CORRECTIVE MEASURES DESIGN PRELIMINARY DESIGN APPROXIMATELY 90% COMPLETE | As specified in the Director approved CMI Plan. |
| SUBMIT CORRECTIVE MEASURES DESIGN | As specified in the Director approved CMS Plan. |

| | |
|--|---|
| SUBMIT DRAFT CQA PLAN (TASK IV.C) | As specified in the Director approved CMI Plan. |
| SUBMIT FINAL CQA PLAN | Within 60 days of the Director's approval of the draft CQA. |
| START OF CONSTRUCTION OF CORRECTIVE MEASURES | Within 60 days of the Director's approval of the final CQA. |
| PREFINAL INSPECTION | As specified in the CQA Plan. |
| PREFINAL INSPECTION REPORT | Within 45 days of Prefinal Inspection. |
| FINAL INSPECTION | As specified in the Prefinal Inspection Report. |
| CORRECTIVE MEASURE CONSTRUCTION REPORT | Within 90 days following completion of construction. |

**TABLE IX-6
CORRECTIVE MEASURES STUDY AND IMPLEMENTATION
COMPLIANCE SCHEDULE
FOR SOLID WASTE MANAGEMENT UNIT (SWMU) 58**

Due Date

CMS SUBMISSION/CMI SUBMISSION

Within 60 days of the Director's approval of the RCRA Facility Investigation Final Report

SUBMIT CMS WORKPLAN

Within 60 days of the Director's approval of the CMS Work Plan

SUBMIT DRAFT INTERIM CORRECTIVE MEASURES WORK PLAN (BUILDING 611)

Within 60 days of the Director's comments on the draft ICM Work Plan

SUBMIT FINAL INTERIM CORRECTIVE MEASURES WORK PLAN (BUILDING 611)

Within 250 days of the Director's approval of the CMS Work Plan

SUBMIT DRAFT GROUNDWATER MANAGEMENT PLAN

Within 60 days of the Director's comments on the draft groundwater management plan

SUBMIT FINAL GROUNDWATER MANAGEMENT PLAN

Within 250 days of the Director's approval of the CMS Work Plan

SUBMIT DRAFT CMI PLAN FOR PRESUMPTIVE SVE REMEDY AT BUILDING 679

Within 60 days of the Director's comments on the draft CMI plan

SUBMIT FINAL CMI PLAN FOR PRESUMPTIVE SVE REMEDY AT BUILDING 679

Within 300 days of the Director's approval of the CMS Work Plan

SUBMIT DRAFT DYNAMIC TEST PLAN SVE REMEDY AT BUILDINGS 615, 620, and Landfill

Within 60 days of the Director's comments on the draft Dynamic Test Plan

SUBMIT FINAL DYNAMIC TEST PLAN SVE REMEDY AT BUILDINGS 615, 620, and Landfill

Within 460 days of the Director's approval of the CMS Work Plan

SUBMIT DRAFT CMS REPORT AND DECISION DOCUMENT (STATEMENT OF BASIS)

Within 60 days of the Director's comments on the draft CMS Report

SUBMIT FINAL CMS REPORT AND DECISION DOCUMENT (STATEMENT OF BASIS)