

## **MODULE II - GENERAL FACILITY CONDITIONS**

### **II.A. DESIGN AND OPERATION OF FACILITY**

II.A.1. The Permittee shall maintain and operate all areas of waste management to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, groundwater or surface water which could threaten human health or the environment. Should one of these incidents occur, the Permittee shall investigate and determine the cause of the incident and implement corrective measures to prevent future occurrences. The Director may consider appropriate enforcement action, to include the cessation of waste management activities, until adequate resolution of the problem occurs.

### **II.B. REQUIRED NOTICE**

II.B.1. When the Permittee is to receive hazardous waste from an off-site source (except where the Permittee is also the generator), the Permittee shall inform the generator in writing that Tooele Army Depot-South Area (TEAD-S) has the appropriate Permits for, and will conditionally accept the waste the generator is shipping. This will be accomplished by sending the generator a statement of these facts once for each waste stream. The Permittee shall keep a copy of this written notice as part of the operating record.

### **II.C. WASTE ANALYSIS PLAN**

II.C.1. The Permittee shall comply with the waste analysis procedures found in Attachment 1 (Waste Analysis Plan), as well as all chain-of-custody procedures. In addition, the Permittee shall comply with any other conditions involving waste analysis.

II.C.2. The Permittee shall only use test methods described in Attachment 1 (Waste Analysis Plan) . Changes in test methods described in Attachment 1 (Waste Analysis Plan) as a result of an improvement or refinement by EPA or the State of Utah of that method shall be adopted by the Permittee in accordance with Utah Admin. Code R315-270-42.

II.C.3. The Permittee shall verify the analysis of each waste stream when new or modified wastes are generated and at least once every three years thereafter. The Permittee shall conduct a yearly evaluation of each waste stream and shall submit to the Director a letter report certifying that the known waste streams have not changed. The Waste Stream Evaluation Form as shown in Attachment 1 (Waste Analysis Plan) shall be used for this report.

II.C.4. Waste analyses will not be required for propellants, explosives and pyrotechnics. User knowledge will suffice unless an unknown component is suspected. Residues from the treatment of propellants, explosives and pyrotechnics are subject to Condition II.C.3.

II.C.5. At a minimum, the Permittee shall:

II.C.5.a. Maintain proper functional instruments;

II.C.5.b. Use approved sampling and analytical methods.

II.C.6. If the Permittee uses a contract laboratory to perform analyses, the laboratory shall be certified by the State of Utah to perform the contracted analyses. Provisional certification is not

acceptable as certification under this paragraph. For parameters for which certification is unavailable, the laboratory shall provide quality control/quality assurance data sufficient to assess the validity of the data. The Permittee shall inform the laboratory in writing that it is required to follow the Waste Analysis Plan conditions set forth in Attachment 1 (Waste Analysis Plan).

II.D **SECURITY PROCEDURES**

II.D.1 The Permittee shall comply with the security conditions and procedures found in Attachment 9 (Security Plan).

II.E. **INSPECTION PLAN**

II.E.1. The Permittee shall follow the inspection procedures found in Attachment 2 (Inspection Plan). In addition, the Permittee shall comply with the following conditions as well as conditions pertaining to inspections in Modules I, II and III;

II.E.1.a The Permittee shall remedy any deterioration or malfunction as required by Utah Admin. Code R315-264-15(c). If the remedy requires more than seventy-two (72) hours from the time that the problem is detected, the Permittee shall submit to the Director, before the expiration of the seventy-two (72) -hour periods, a proposed time schedule for correcting the problem.

II.E.1.b. Records of inspections shall be kept as required by Utah Admin. Code R315-264-15 and Utah Admin. Code R315-264-174.

II.E.1.c Any problem which could endanger human health or the environment (tank rupture, dike failure, transportation spills, etc.) shall be corrected as soon as possible after the problem is discovered. If the threat to human health or the environment has not been eliminated within twenty-four (24) hours, the Permittee shall notify the Director.

II.E.1.d. Problems found during periodic inspections conducted under this Module shall be corrected within the time frame stipulated in Condition II.E.1. If, upon determination by the Director or the Permittee, continued operation of the waste management unit involved in the inspection could endanger human health or the environment, the Permittee shall cease operation of the unit until the problem has been corrected. The Permittee shall be allowed to undertake those operations that are part of corrective action activities.

II.E.1.e. The Permittee may make the following revisions to the Inspection Procedures (included as Attachment 2 of this Permit), in accordance with the procedures for Class 1 Permit Modifications, which require pre-approval from the Director, in accordance with Utah Admin. Code R315-270-42:

II.E.1.e.i Upon certification of closure of an individual hazardous waste management unit, any portion of the inspection plan specific to that unit may be deleted from the Inspection Procedures.

II.E.1.e.ii The Permittee may modify inspection requirements in an existing inspection form, table, figure, or record in cases where such modifications will result in additional inspection procedures.

II.E.1.e.iii If necessary, the Permittee shall create additional inspection forms, tables, figures, or records to address inspection requirements for equivalent replacement equipment.

II.F. **TRAINING PLAN**

II.F.1 The Permittee shall conduct personnel training as required by Utah Admin. Code R315-264-16. The Permittee shall comply with the personnel training procedures found in Attachment 3 (Training Plan). New personnel working with or around hazardous waste shall complete the required personnel training on or within six (6) months after their hire date or assignment to the facility or to a new position at the facility. In addition, the Permittee shall comply with the following conditions;

II.F.1.a Facility personnel shall annually review their initial training in both contingency procedures and the hazardous waste management procedures relevant to the positions in which they are employed.

II.F.1.b The Permittee shall maintain training documents and records as required by Utah Admin. Code R315-264-16(d) and Utah Admin. Code R315-264-16(e), in accordance with Attachment 3 (Training Plan). These records shall indicate the type and amount of training received.

II.F.1.c The Permittee shall maintain a copy of the Attachment 3 (Training Plan) at the Facility until the Facility is fully closed and closure is certified.

II.G. **GENERAL REQUIREMENTS FOR IGNITABLE, REACTIVE, OR INCOMPATIBLE WASTE**

II.G.1. The Permittee shall comply with the requirements of Utah Admin. Code R315-264-17 and the requirements of all applicable National Fire Protection Association (NFPA) codes.

II.G.2. In addition to the requirements of Utah Admin. Code R315-264-17, the Permittee shall comply with Conditions III.G and III.H pertaining to ignitable, reactive, or incompatible waste.

II.G.3 The Permittee shall separate and protect ignitable and reactive waste from sources of ignition or reaction including but not limited to: open flames, smoking, cutting and welding, hot surfaces, frictional heat, sparks (static, electrical, or mechanical), spontaneous ignition (e.g., from heat-producing chemical reactions), water and radiant heat.

II.G.4. The Permittee shall take precautions to prevent reactions which:

II.G.4.a. Generate extreme heat or pressure, fire or explosions, or violent reactions;

II.G.4.b. Produce uncontrolled toxic mists, fumes, dusts, or gases in sufficient quantities to threaten human health or the environment;

II.G.4.c. Produce uncontrolled flammable fumes or gases in sufficient quantities to pose a risk of fire or explosions;

II.G.4.d. Damage the structural integrity of the device or facility;

II.G.4.e. Through other like means, threaten human health or the environment.

II.H. **RESERVED**

II.I. **PREPAREDNESS AND PREVENTION**

- II.I.1. The Permittee shall follow the preparedness and prevention procedures found in Attachment 10 (Preparedness and Prevention Plan).
- II.I.2. At a minimum, the Permittee shall equip and maintain in good operating condition at the Facility the equipment identified in Attachment 10 (Preparedness and Prevention Plan), as required by Utah Admin. Code R315-264-32.
- II.I.3. The Permittee shall test and maintain the equipment specified in Condition II.I.2 as required by the National Fire Protection Association (NFPA) to assure its proper operation in time of emergency.
- II.I.4. The Permittee shall maintain records of those preventative maintenance and repair activities specified in Condition II.I.2 and shall keep schedules reflecting minimum and planned frequency for the performance of preventative maintenance activities in the Operating Record at the facility.
- II.I.5. The Permittee shall maintain access to the communications or alarm system as required by Utah Admin. Code R315-264-34.
- II.I.6. At a minimum, the Permittee shall maintain aisle space as required by Utah Admin. Code R315-264-35. A minimum of 2.5 feet of aisle space is required in the container storage areas.
- II.I.7. The Permittee shall attempt to make arrangements with State and local authorities as required by Utah Admin. Code R315-264-37. The attempts to make such arrangements, any refusals and all final arrangements shall be documented in the Operating Record.

II.J. **CONTINGENCY PLAN**

- II.J.1. The Permittee shall comply with Attachment 4 (Contingency Plan), and follow the emergency procedures described by Utah Admin. Code R315-264-56 whenever there is a fire, explosion or release of hazardous waste or hazardous waste constituents which threatens or could threaten human health or the environment. The Permittee shall comply with Utah Admin. Code R315-263-30 and Condition I.S in reporting releases to the Director.
- II.J.2. The Permittee shall maintain copies of the plan in accordance with the requirements of Utah Admin. Code R315-264-53.
- II.J.3. The Permittee shall review Attachment 4 (Contingency Plan) in accordance with Utah Admin. Code R315-264-54. The Permittee shall immediately amend, if necessary, Attachment 4 (Contingency Plan) in accordance with Utah Admin. Code R315-270-42.
- II.J.4. A trained emergency coordinator shall be available at all times in case of an emergency as required by Utah Admin. Code R315-264-55. The names, addresses, and telephone numbers of all persons qualified to act as emergency coordinators shall be supplied to the Director as required by Utah Admin. Code R315-264-52(d).

II.K. **MANIFEST SYSTEM**

- II.K.1. The manifest number shall be recorded in the Operating Record with each waste load that leaves

the Permittee's facility. The Permittee shall comply with Utah Admin. Code R315-262-21 through 27 and Utah Admin. Code R315-264-70 for the movement of each waste load off site.

II.K.2. The manifest number shall be recorded in the Operating Record with each waste load that arrives at the Permittee's facility. The Permittee shall comply with the manifest requirements of Utah Admin. Code R315-264-71, Utah Admin. Code R315-264-72, and Utah Admin. Code R315-264-76.

II.K.3. If the waste load is refused and returned to the generator, such action shall be documented in the Operating Record.

II.L. **RECORDKEEPING AND REPORTING**

II.L.1. The Permittee shall maintain an accurate written Operating Record at the facility in accordance with Utah Admin. Code R315-264-73 and Utah Admin. Code R315-264 Appendix I.

II.L.2. The operating record shall be maintained on site and available for review as required by Condition I. N. and Condition I.DD.

II.L.3. The Permittee shall, by March 31 of each year, submit to the Director a certification pursuant to Utah Admin. Code R315-264-73, signed by the owner or operator of the facility or his authorized representative, that the Permittee has a waste minimization program in place to reduce the volume and toxicity of hazardous waste that he generates to the degree determined by the Permittee to be economically practicable; and that the proposed method of treatment, storage, or disposal is the most practicable method currently available to the Permittee which minimizes the present and future threat to human health or the environment.

II.L.3.a. The Permittee shall, by March 31 or each year, submit to the Director a certification that Open Detonation (OD) treatment is the only practicable method currently available to minimize the present and future threat to human health or the environment for all of the items detonated the previous year, and that the Permittee has a program in place to investigate available technologies, other than OD of energetic wastes, to reduce the volume and toxicity of released treatment residues and discharges. A report with an evaluation of alternatives shall be included with the certification. The report shall present a list and analysis of viable alternatives according to technical feasibility, economic feasibility, impact to employee health and safety and whether the alternatives will reduce releases and discharges to the environment. Alternatives that are not viable shall be identified with the rationale for the rejection.

II.L.4. The Permittee shall comply with the biennial report requirements of Condition I.X.1. The report shall include wastes generated, treated or stored at the Permittee's facility during the previous odd-numbered year.

II.L.5. The Permittee shall submit additional reports to the Director in accordance with Utah Admin. Code R315-264-77.

II.M. **CLOSURE**

II.M.1. The Permittee shall comply with Utah Admin. Code R315-264-110 through 120 and close the facility in accordance with Attachment 5(Closure Plan).

II.M.2. For all hazardous waste management units, minor deviations from the procedures found in

Attachment 5 (Closure Plan) that are necessary to accommodate proper closure shall be described in narrative form with the closure certification statements. The Permittee shall describe the rationale for implementing minor changes as part of this narrative report. Within sixty (60) days after completion of closure of each hazardous waste management unit the Permittee shall submit the certification statements and narrative report to the Director.

- II.M.3. The Permittee shall amend Attachment 5 (Closure Plan) in accordance with Utah Admin. Code R315-270-42 whenever necessary, or when required to do so by the Director.
- II.M.4. The Permittee shall notify the Director in writing of the partial closure of any portion of the facility in accordance with Utah Admin. Code R315-264-110 through 120.
- II.M.5. After receiving the final volume of hazardous waste, the Permittee shall treat or remove from the site all hazardous waste and complete closure activities in accordance with the schedule specified in Attachment 5 (Closure Plan).
- II.M.6. The Permittee shall decontaminate or dispose of all facility equipment, structures, soil and rinsate as required by Utah Admin. Code R315-264-110 through 120 and Attachment 5 (Closure Plan). Facility equipment, structures and soil which have not been decontaminated shall be disposed of only at a hazardous waste treatment, storage or disposal facility that has a hazardous waste treatment, storage or disposal permit.
- II.M.7. The Permittee shall certify that the facility has been closed in accordance with the specifications in Attachment 5 (Closure Plan) and as required by Utah Admin. Code R315-264-110 through 120, and shall provide a certification by an independent, registered professional engineer qualified by experience and education in the appropriate engineering field.
- II.M.8. In the event that any hazardous waste management unit cannot be clean closed by removing hazardous waste, hazardous constituents, contaminated subsoil, and any contaminated groundwater as specified in Attachment 5 (Closure Plan) the Permittee shall submit the modified Closure/Post-Closure Plan for that hazardous waste management unit to the Director, as a Permit Modification request, in accordance with Utah Admin. Code R315-270-42. Within thirty (30) days of the date that the Director approves the modification request, the unit shall be closed as a landfill, in accordance with R315-264-110 through 120.
- II.M.9. Wash waters resulting from decontamination of facility structures and equipment at the time of closure shall be sampled, analyzed and disposed in accordance with Attachment 5 (Closure Plan).

II.N. **COST ESTIMATES FOR THE FACILITY CLOSURE**

- II.N.1 The Permittee is exempt from the requirements for closure cost estimates in accordance with Utah Admin. Code R315-264-140 through 151.

II.O. **FINANCIAL ASSURANCE FOR THE FACILITY CLOSURE**

- II.O.1 The Permittee is exempt from the requirements for financial assurance in accordance with Utah Admin. Code R315-264-140 through 151.

II.P. **LIABILITY REQUIREMENTS**

II.P.1 The Permittee is exempt from liability requirements in accordance with Utah Admin. Code R315-264-140 through 151.

II.Q. **AIR EMISSION STANDARDS (Subpart CC)**

II.Q.1 The Permittee shall comply with Utah Admin. Code R315-264-1080 through 1091 for storage of hazardous waste in containers.