

TABLE OF CONTENTS

Signature Page i
Table of Contents..... iii
Definitions iv

Module I - Standard Permit Conditions

Module II - General Facility Conditions

Module III - Treatment of Energetic Wastes

Module IV - Corrective Action for Solid Waste Management Units and Schedule of Compliance

Module V - Landfill #5 Post Closure Care

Module VI - RCRA/CERCLA Integration for Corrective Action

Module VII- Storage of Energetic Wastes

Attachments

1 Facility Description and Location
2 Waste Characterization Technical Memorandum for Hill Air Force Range
3 Waste Analysis Plan for Residue and Ash
4 Security Plan
5 Inspection Plan
6 Personnel Training Plan
7 Contingency Plan and Equipment List
8 Closure and Post-Closure Plan for TTU
9A Surface Water Sampling and Analysis Plan
9B Thermal Treatment Unit Soil Sampling and Analysis Plan
10A UTTR TTU Ecological Risk Screen
10B UTTR TTU Human Health Risk Assessment
11 Noise Prediction, Mitigation and Management Program
12 Landfill 5 Facility Description
13 Landfill 5 Maintenance Plan
14 Landfill 5 Inspection Plan
15 Thermal Treatment Unit and Landfill 5 Groundwater Sampling and Analysis Plan
16 Storage in the Missile Storage Area
17 Integration Agreement for Air Force Cleanup of the Air Force’s Utah Test and Training Range, the Wendover Range and the Little Mountain Complex

DEFINITIONS

For the purposes of this permit, the following definitions shall apply:

Act shall mean the Utah Solid and Hazardous Waste Act UCA 19-6-101 et seq.

Background shall mean the naturally occurring level, plus two standard deviations from the mean, of constituents of an environmental medium not affected by facility operations or leakage from a unit.

Board shall mean the Utah Solid and Hazardous Waste Control Board.

Division shall mean the Division of Solid and Hazardous Waste of the Utah Department of Environmental Quality.

Energetic is a substance, either a pure compound or a mixture of compounds, capable of undergoing a very rapid chemical change. Energetics include high explosives, low explosives (most propellants and pyrotechnics), incendiaries, fuse powders and thermites.

Executive Secretary shall mean the Executive Secretary of the Utah Solid and Hazardous Waste Control Board.

Explosive is a chemical compound or mixture which, when subjected to heat, impact, friction, shock or other suitable stimulus, undergoes a very rapid chemical reaction with the evolution of large volumes of heated gases that exert high pressures in the surrounding medium.

Facility shall mean all contiguous land and structures and other appurtenances and improvements on the land at the Utah Test and Training Range. The facility description is set forth in Attachment 1.

Hazardous Waste Management Unit (HWMU) shall mean a contiguous area of land on or in which hazardous waste is placed, or the largest area in which there is significant likelihood of mixing hazardous waste constituents in the same area.

High Explosive is an energetic material in which the decomposition process (detonation) proceeds through the entire material at supersonic speed; a shock wave is produced.

Low Explosive is an energetic material in which the decomposition process (deflagration) occurs at subsonic speed. The decomposition process occurs on the surface of the explosive only; there is no shock wave.

Open Burning shall mean the high temperature oxidation of fuel with the release of heat and combustion products.

Open Detonation shall mean a chemical reaction of explosive material in conjunction with a shock wave.

Permittee shall mean the United States Air Force.

RCRA shall mean the Resource Conservation and Recovery Act of 1976, as amended by the Hazardous and Solid Waste Amendments of 1984.

Semi-annual shall mean once every six months.

Solid Waste Management Unit (SWMU) shall mean any discernible unit at which solid wastes have been placed at any time, irrespective of whether the unit was intended for the management of solid or hazardous waste. Such units include any area at a facility at which solid wastes have been routinely and systematically managed.

UTTR shall mean the facility as defined previously.

Waste Munitions shall mean all types of conventional ammunition products and their components, produced by or for the Department of Defense (DOD) for national defense and security. This includes munitions produced by other parties under contract to or acting as an agent for DOD.

All definitions contained in applicable sections of UAC R315 are hereby incorporated, in their entirety, by reference into this permit, except that any of the definitions used above shall supersede any definition of the same term stated in UAC R315.