

**Mesa County Solid Waste Management Waste Matrix (Version 12/2014)**

|                             | Waste Type  | Waste Example  | Concerns  | Mesa County Disposal Options   | Analytical Testing Which May Be Required Prior to Disposal<br>*All chemical analysis must be performed by a Utah certified laboratory | Acceptance Standards  | Additional Requirements  | Required Mesa County Solid Waste Management Forms                            | Approval Contact   |  |                    |
|-----------------------------|---|--|---|--|---|---|--|--|--|--|--------------------|
| <b>NON MANIFESTED WASTE</b> |   |  |   |  |   |   |  |  |  |  |                    |
| 1                           | Animal Waste  | Cows<br>Horses<br>House Pets   | Free Liquids<br>Preservation Agents<br>Cause of Death<br>Significant Number of Mortalities<br>Odors             | Landfill Disposal  | Pathogen Identification   | No Public Health Risk From Pathogens  | Animals preserved with Formaldehyde are not acceptable for landfill disposal. Commercial haulers/users must sign an acknowledgement form.  |  | Scale House Personnel  |  |                    |
| 2                           | Animal Waste  | Deer<br>Elk<br>Sheep<br>Goats  | Pathogens<br>Safety Issues<br>Odors<br>Cause of Death   | Landfill Disposal  | Pathogen Identification<br>Chronic Wasting Disease Test   | Negative Test Results for Chronic Wasting Disease   |  |  | Scale House Personnel  |  |                    |
| 3                           | Automobiles and Trailers                                    | Any Car, Truck or Trailer that requires licensing from the Department of Motor Vehicles  | Ownership Documentation   | Landfill Disposal  |   | Title/Ownership<br>Drained of all free liquids  |  |  | Scale House Personnel  |  |                    |
| 4                           | Manufactured & Mobile Homes                                 | Single family dwellings  | Regulatory Compliance   | Landfill Disposal  |   | Certificate of Destruction for Destruction<br>Copy of title   | Permit<br>Manufactured & Mobile Homes having been placed on a foundation are defined as real property per HOB 08-1260, and will a Certificate of Removal in addition to the Certificate of Destruction, Permit for Destruction, and the title. | See Acceptance Standards and Additional Requirements                         | Compliance Manager   |  |                    |
| 5                           | Automotive Tires  | Regulated: Any vehicle that can be driven on the highway - passenger vehicles, trucks, semi-trucks, and tractor trailers.<br>Exempted: motorcycles, ATV's, front-end loaders, farm tractors, and processed tires - chopped, quartered, baled, sidewalls cut out. | Regulatory Compliance   | All tires are disposed of in the Tire Diversion Area with the expectation of processed tires. Processed tires are placed in the Landfill for disposal. |   | Tires must be cut in half, quartered, or chipped for landfill disposal. Regulated tires are deposited in the Tire Disposal Area.  | 1 to 4 Tires = accepted<br>5 to 9 Tires = accepted with a waste tire manifest; limit 9 tires per day<br>10 or more Tires = must be a registered waste tire hauler with a waste tire manifest; no disposal limit                                |  | Scale House Personnel  |  |                    |
| 6                           | Compressed Gas Cylinders                                    | Propane Cylinders<br>Other Gas Cylinders   | Safety Issues<br>Hazardous Constituents<br>Regulatory Compliance<br>Ignitable Vapors                            | Hazardous Waste Collection Facility  |   | For landfill disposal the compressed gas cylinder/container must be empty, valves removed, and at atmospheric pressure.           | Cylinders up to 25 PSI can be brought to the Hazardous Waste Collection Facility.  |  | Scale House Personnel  |  |                    |
| 7                           | Empty Containers  | 5 to 55 Gallon Containers<br>Empty Septic Tanks  | Free Liquids<br>Hazardous Constituents<br>Regulatory Compliance<br>Ignitable Vapors                             | Landfill Disposal<br>Hazardous Waste Collection Facility   |   | RCRA empty or Triple Rinsed per 40 CFR 261.7  | Triple Rinse Certificate   | Certificate of Triple Rinse  | Scale House Personnel  |  |                    |
| 8                           | Refrigerators and Other CFC Containing Items                | Air Conditioners / HVAC Units<br>Refrigerators & Freezers  | Regulatory Compliance   | Acceptable for landfill disposal if CFCs removed and with appropriate removal certification letter.  |   | CFCs have been legally removed and a Small Appliance Refrigerant Recovery Certification form filled out by EPA approved recycler. | Small Appliance Refrigerant Recovery Certification from EPA approved recycler  | Small Appliance Refrigerant Recovery Certification                           | Scale House Personnel  |  |                    |
| <b>MANIFESTED WASTE</b>     |   |  |   |  |   |   |  |  |  |  |                    |
| 9                           | Asbestos  | Insulation<br>Tiles<br>Brick   | Dust/Airborne Fibers<br>Safety Issues<br>Regulatory Compliance  | Landfill Disposal (Non-Friable)<br>Asbestos Waste Cell Disposal (Friable or mixedloads)  |   | Double wrapped with 6 ml plastic completely covered and sealed. Labeled Caution Contains Asbestos.                                | Delivery personnel must be equipped to repair packaging that is ripped open during off loading.  | Waste Characterization Data Form - Section 1<br>Waste Manifest               | Compliance Manager/ Landfill Manager   |  |                    |
| 10                          | Methamphetamine Contaminated Debris                         | Demolition Debris<br>Remediation Debris<br>All Methamphetamine Contaminated Debris/ Medias   | Dust<br>Absorption  | Landfill Disposal  | At the discretion of the Compliance Manager.  | Double wrapped with 6 ml plastic completely covered and sealed.   | Delivery personnel must be equipped to repair packaging that is ripped open during off loading.  | Waste Characterization Data Form - Section 1<br>Non-Hazardous Waste Manifest | Compliance Manager/ Landfill Manager   |  |                    |
| 11                          | Carbon Filters  | Filter Media and Cartridges  | Hazardous Constituents  | Landfill Disposal<br>Hazardous Waste Collection Facility   | TCLP - Metals<br>TCLP - Volatiles<br>TCLP - Semi-Volatiles  | See Table 1 Concentrations  | At the discretion of the Compliance Manager.   | Waste Characterization Data Form<br>Waste Manifest<br>Letter of Approval     | Compliance Manager   |  |                    |
| 12                          | Construction/ Demolition Debris                             | Painted Lumber and Residues<br>Concrete Debris<br>Asbestos Containing Tiles<br>Select Insulation<br>Metal Wire   | Dust<br>Hazardous Constituents<br>Safety Issues<br>Regulatory Compliance  | Landfill Disposal  | TCLP - Metals<br>Asbestos   | See Table 1 Concentrations  | Waste materials may be required to be deposited in specific areas of the landfill at the discretion of the Landfill Project Manager.   | Waste Characterization Data Form<br>Waste Manifest                           | Compliance Manager   |  |                    |
| 13                          | Contaminated Soils  | Petroleum Impacted Soil<br>Street Sweeping<br>Car Wash Debris<br>Excavated Landfills   | Pesticide Impacted Soil<br>Exploration and Production (E&P) Waste   | Free Liquids<br>Dust<br>Hazardous Constituents<br>Safety Issues<br>Ignitable Vapors  | Landfill Disposal   | Radioactivity (gross Alpha)<br>Paint Filter Test<br>TCLP - Metals<br>TCLP - Volatiles<br>TCLP - Semi-Volatiles<br>TCLP - BTEX     | TCLP - PAH<br>TCLP - Pesticides<br>Reactivity, Corrosivity, Ignitability<br>TEPH TVPH  | Pass Paint Filter Test<br>See Table 1 Concentrations                         | Pre-submittal meeting and site visit with Mesa County Solid Waste are required. Waste disposal must be scheduled with the Landfill Project Manager prior to drop-off.<br>Shipping Manifest | Waste Characterization Data Form<br>Waste Manifest<br>Letter of Approval | Compliance Manager |
| 14                          | Dust Generating Wastes                                      | Off-Specification Cement   | Dust<br>Safety Issues<br>Regulatory Compliance Issues   | Landfill Disposal  |   | Meets campus air permit requirements for particulate emissions compliance.  | At the discretion of the Landfill Project Manager or Compliance Manager.   | Waste Characterization Data Form   | Compliance Manager   |  |                    |
| 15                          | Foundry waste   | Core Sands<br>Finishing Dusts<br>Casting Molds & Sweepings   | Dust<br>Hazardous Constituents<br>Safety Issues<br>Regulatory Compliance  | Landfill Disposal  | TCLP - Metals   | See Table 1 Concentrations  | At the discretion of the Landfill Project Manager or Compliance Manager.   | Waste Characterization Data Form<br>Waste Manifest<br>Letter of Approval     | Compliance Manager   |  |                    |
| 16                          | Industrial Sludge   | Bio-Solids<br>Ink<br>Lime<br>Wood and Paper Pulp   | Free Liquids<br>Hazardous Constituents<br>Regulatory Compliance Issues  | Landfill Disposal  | Radioactivity (gross Alpha)<br>Paint Filter Test<br>TCLP - Metals<br>TCLP - Volatiles   | TCLP - Semi-Volatiles<br>TCLP - BTEX<br>TCLP - PAH  | Pass Paint Filter Test<br>See Table 1 Concentrations   | At the discretion of the Compliance Manager.                                 | Waste Characterization Data Form<br>Waste Manifest   | Compliance Manager   |                    |
| 17                          | Medical Waste   | Materials that are lightly to moderately contaminated with blood and/ or bodily fluids.<br>Solid pharmaceuticals that are not regulated under RCRA or the DEA.   | Disease exposure  | Landfill Disposal  |   | Must be non-infectious waste double wrapped in 6 ml plastic and sealed. Must be labeled as non-infectious waste.                  | At the discretion of the Compliance Manager.   | Waste Characterization Data Form - Section 1<br>Waste Manifest               | Compliance Manager   |  |                    |
| 18                          | Resins/Paint Residue  | Epoxy<br>Fiberglass<br>Urethane<br>Polyurethane  | Free Liquids  | Landfill Disposal  |   | Waste resins must not exhibit excessive heat, stickiness, or have a styrene order.  | Waste must be fully cured and in a solid state.  | Waste Characterization Data Form - Section 1<br>Waste Manifest               | Compliance Manager   |  |                    |
| <b>UNACCEPTABLE WASTES</b>  |   |  |   |  |   |   |  |  |  |  |                    |
| 19                          | Unacceptable Waste for Disposal at the Mesa County Landfill | PCB Waste<br>Waste Oils<br>Spontaneously Combustible<br>Mercury Containing Devices<br>Hazardous Chemicals  | Biomedical Infectious<br>Used Syringes / Sharps<br>Fluorescent Light tubes<br>Electronic Waste<br>Liquid Wastes | Free Liquids<br>Hazardous Constituents<br>Regulatory Compliance Issues<br>Safety Issues<br>Hazardous Vapors  | Hazardous Waste Collection Facility   | At the discretion of the Hazardous Materials Manager  | At the discretion of the Masardous Materials Manager   |  | Hazardous Materials Manager  |  |                    |
| 20                          | Unacceptable Waste within Mesa County System                | Radioactive Wastes<br>Biomedical Infectious<br>Explosives  | Radioactivity<br>Safety Issues<br>Regulatory Compliance   | None   |   | Waste can not exceed 20% above background radiation levels.   | Waste is considered radioactive if the material alarms campus radiation detection monitors   |  | NOT ACCEPTABLE   |  |                    |