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The TEXT indicated with < > is to be selected or filled in by the Specifier to meet the requirements of the project.

If any of the SECTIONS (i.e. 1.02, 1.03, etc.) below are not required for the project do NOT delete the Section, but rather change the title of the Section to “NOT USED” (i.e. 1.02 NOT USED) so that numbering of specification references is preserved, and delete the specification language in this Section below the title.

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. General.
- B. Waste Management.
- C. Surplus Fill / Environmental Media.
- D. Surplus Chemicals, Products, & Substances.
- E. Recycling.
- F. Non-Hazardous Solid Waste Disposal.
- G. Non-Hazardous Liquid Waste Disposal.
- H. Hazardous Waste Disposal.
- I. Asbestos Containing Waste Disposal.
- J. Submittals.

1.02 GENERAL

- A. This Specification provides procedures and requirements for waste management and disposal, and information to assist CONTRACTOR with assuring the proper management, storage, control, security, transportation, and disposition of waste generated as a result of the Work.
- B. In the event of conflicts between this Specification and the requirements of the Laws and Regulations; the more restrictive shall apply.
- C. Unless otherwise directed by UTILITIES, costs related to this Specification shall be considered inherent to Work, and be included in the Contract Price (i.e., no separate measurement and payment).
- D. Refer also to:
 - 1. Section 01 35 43 - Environmental Procedures.
 - 2. Section 01 41 00 - Permit Requirements.
 - 3. Section 01 57 19 - Environmental Controls.

1.03 WASTE MANAGEMENT

- A. CONTRACTOR is responsible for the proper storage, management, transport, and disposal of Hazardous Materials and Hazardous Substances in accordance with all applicable Laws and Regulations. Unless otherwise directed by UTILITIES, proper management of hazardous waste generated by CONTRACTOR as part of its work, including waste generated by unintentional spills, leaks, discharges, or releases, is the responsibility of CONTRACTOR. CONTRACTOR shall have primary generator responsibility for all such hazardous waste and shall manage such hazardous waste in accordance with all applicable Laws and Regulations, including proper waste characterization through generator knowledge and/or analytical testing and any required notifications to AHJs regarding the generation of hazardous waste. CONTRACTOR shall be responsible for coordinating the shipment of all hazardous waste for which they have primary generator responsibility, including but not limited to obtaining required generator identification numbers, arranging for transport to a properly Permitted hazardous waste treatment, storage, and disposal facility, and signing all hazardous waste manifests.
- B. CONTRACTOR shall provide, install, inspect performance, and maintain sufficient BMPs / Control Measures during handling, storing, loading, transporting, and disposing of waste to prevent releases to Environmental Receptors; and with consideration of the public, Site occupants, worker health, and fire codes.
- C. CONTRACTOR shall train workers and Subcontractors on proper waste management procedures, as appropriate for the Work.
- D. Upon generation of waste, CONTRACTOR shall determine if it is universal, non-hazardous or hazardous, and promptly store and manage such waste accordingly; CONTRACTOR shall also consider labeling, employee training, and regulatory time limits on length of storage prior to shipment.
- E. If a determination regarding the type of waste cannot be made based on information from labels, safety data sheets, other written information, or knowledge of the material, then CONTRACTOR shall evaluate the waste using representative analytical testing (note: the disposal facility may also have testing requirements).
- F. Universal Waste includes batteries, pesticides, mercury-containing devices, mercury-containing lamps, aerosol cans, electronic devices and components. The Universal Waste Regulations provide an alternative set of reduced management standards that the CONTRACTOR can follow instead of the full hazardous waste requirements. CONTRACTOR shall utilize the Universal Waste Regulations for its benefits, if practicable and cost effective.
- G. Work involving friable and non-friable potential Asbestos containing waste shall only be performed by Colorado certified individuals, consulting firms, general abatement contractors, and Colorado registered laboratories.
- H. If hazardous waste is generated by the Work:
 - 1. CONTRACTOR shall notify and collaborate with UTILITIES Representative and UTILITIES' Environmental Services - Regulatory Services Section to develop a mutual understanding regarding management roles and responsibilities in light of the requirements of this and other Related Specifications.
- I. The <Project Facility> is currently designated as a <Large Quantity Generator> <Small Quantity Generator> <Very-Small Quantity Generator>.
 - 1. CONTRACTOR shall conduct the Work in accordance with the requirements of this generator designation, or
 - 2. CONTRACTOR shall notify and collaborate with UTILITIES' Representative and UTILITIES' Environmental Services - Regulatory Services Section to amend the designation with the CDPHE.
- J. CONTRACTOR shall ensure that sampling for waste characterization purposes shall be performed by appropriately trained and qualified personnel.

- K. CONTRACTOR shall ensure that laboratory analytical testing for waste characterization purposes shall be performed by appropriately qualified and certified laboratories.
- L. CONTRACTOR shall perform all coordination, profiling, characterization, and testing activities needed to obtain disposal facility's acceptance and transportation manifests; then load, transport, and dispose of the waste. CONTRACTOR shall transport waste in accordance with Department of Transportation (DOT) regulations. Document all quantities transported.
- M. For quality assurance, CONTRACTOR shall refer to the CDPHE's Compliance Bulletin's and other guidance documents, as amended at times.
 - 1. Contaminated Shop Towels & Reusable Absorbents, August 2002.
 - 2. Mercury Spill and Fluorescent Bulb Cleanup, September 2009.
 - 3. P & U Listed Hazardous Wastes, Interpretive Memo, January 2008.
 - 4. Used Antifreeze, August 2002.
 - 5. Used Oil Generators, November 2007.

1.04 SURPLUS FILL / ENVIRONMENTAL MEDIA

- A. Prior to completion of the Work, all excess clean Environmental Media with no visible discoloration, unusual odors, or other apparent or reasonable potential to be contaminated (or Debris containing), shall be deemed property of the CONTRACTOR and removed by CONTRACTOR from the Site.

1.05 SURPLUS CHEMICALS, PRODUCTS, & SUBSTANCES

- A. Prior to completion of the Work, all excess unused chemicals, products, and substances (i.e., paints, lubricants, adhesives, cleaning products, etc.) brought on-site as part of the Work, shall be deemed property of the CONTRACTOR and removed by CONTRACTOR from the Site.

1.06 RECYCLING

- A. If practicable, CONTRACTOR shall recycle non-hazardous solid waste. If not practicable, CONTRACTOR shall dispose of the waste.
- B. Recyclers must be legitimate and legal, and shall maintain any required government approvals.

1.07 NON-HAZARDOUS SOLID WASTE DISPOSAL

- A. For Work within El Paso County, CONTRACTOR shall dispose of all Work generated non-hazardous solid waste at the following UTILITIES-approved landfills:
 - 1. Waste Management – Midway Landfill (8925 Rancho Colorado Boulevard, Fountain, CO)
 - 2. Waste Management – Colorado Springs Landfill (1010 Blaney Road, Colorado Springs, CO)
- B. For Work outside of El Paso County, a CDPHE Permitted - RCRA Subtitle D landfill is the minimum acceptable solid waste disposal option for CONTRACTOR.
- C. Alternate solid waste disposal options may be proposed by CONTRACTOR with detailed rationale; however, such disposal shall require UTILITIES' approval.

1.08 NON-HAZARDOUS LIQUID WASTE DISPOSAL

- A. CONTRACTOR shall dispose of all Work-generated non-hazardous liquid waste at the following UTILITIES-approved facility:
 - 1. Twin Enviro – Phantom Landfill (Penrose, CO)
- B. Alternate non-hazardous liquid waste disposal options may be proposed by CONTRACTOR with detailed rationale; however, such disposal shall require UTILITIES' approval.

1.09 HAZARDOUS WASTE DISPOSAL

- A. CONTRACTOR shall dispose of all Work-generated hazardous waste at the following UTILITIES-approved landfills, depending on the hazardous waste characteristics:
 - 1. Clean Harbors – Deer Park, TX (Non-Metal Bearing Waste, Corrosive, Organic)
 - 2. US Ecology – Beatty, NV (Metals, PCB Debris)
 - 3. Veolia – Phoenix, AZ (Mercury Reclamation)
- B. Alternate hazardous waste disposal options may be proposed by CONTRACTOR, with detailed rationale; however, such disposal shall require UTILITIES' approval.

1.10 ASBESTOS CONTAINING WASTE DISPOSAL

- A. If the Work results in the generation of any asbestos containing waste, whether friable or non-friable, it shall be disposed of by CONTRACTOR at the following UTILITIES-approved landfills:
 - 1. Preferred Location - Waste Management - Colorado Springs Landfill (1010 Blaney Road, Colorado Springs, CO)
 - 2. Waste Management - Denver Arapahoe Disposal Site (3500 South Gun Club Road, Aurora, CO)
- B. Alternate Permitted disposal facilities may be proposed by CONTRACTOR, with detailed rationale; however, such disposal shall require UTILITIES' approval.

PART 2 PRODUCTS

NOT USED

PART 3 EXECUTION

3.01 SUBMITTALS

- A. Submittals to be provided by the CONTRACTOR shall include but are not limited to the following:
 - 1. Waste Disposal Documentation
 - a. Upon request by UTILITIES' Representative, or otherwise upon substantial completion of Work, furnish via PM SaaS in accordance with Section 01 33 12 – PM SaaS, copies of documentation necessary to demonstrate proper disposal of wastes (facility acceptance, laboratory reports, quantities, and executed transport manifests).

END OF SECTION