DESCRIPTION:

This work shall consist of constructing, operating, maintaining, decontaminating and removing the Temporary Segregation and Storage Area (TSSA) to be used for segregating radioactive contaminated material from non-contaminated material during excavation and the temporary storage and management of radioactive contaminated material in accordance with the Contaminated Material Handling Plan.

MATERIALS:

As per the Contaminated Material Handling Plan (CMHP) and as outlined in Special Notes.

CONSTRUCTION DETAILS:

Contractor shall erect perimeter fence and locking access gate(s). The TSSA will be labeled with appropriate signage as determined by the radioactive materials licensee. The TSSA shall include a decontamination facility consisting of a large equipment decontamination and small personnel decontamination stations. The large equipment stations will be used for removal of contaminated soil, sediment, debris, and dust from large equipment (excavator, loader, haul trucks, etc.) at the end of excavation activities upon leaving restricted areas. The large equipment stations will be lined with a polyethylene liner or asphalt pad, and bermed in sufficient size to contain all decontamination water and sediment. The large stations will be equipped with decontamination and access control personnel, pressure washers or steam cleaner, sump and storage containers for wastewater. Proper radiation detection equipment and supplies will be provided, as needed, at all restricted ingress and egress locations.

The small personnel station will be used to clean hand equipment and reusable personnel protective equipment (PPE). The small station will be lined, bermed, and equipped with containerized rinse water and cleaning supplies. 55-gallon drums will also be used for the storage of decontamination wastewater and contaminated PPE.

Small non-disposable equipment (i.e., sampling equipment) and PPE will be decontaminated using the following procedure:

- Wash with non-phosphate laboratory grade detergent such as Liquinox or Alconox and hot water, using a brush to remove any particulate matter or surface film;
- Rinse with tap water;
- Rinse twice with deionized water; and
- Air dry

After decontamination, the sampling devices will be wrapped in aluminum foil to prevent contamination during handling.

The access road(s) shall be constructed to permit decontamination of personnel, trucks and equipment prior to exiting the TSSA. Silt fencing, hay bales and berms with sumps shall be used to mitigate contaminated run-off. The staged material shall be covered daily and during precipitation events.

Upon completion of use, the TSSA shall be decontaminated and removed. All surfaces shall be restored to pre-existing conditions using the appropriate specifications for restoration materials.
ITEM 205.020000NI - RADIOACTIVE CONTAMINATED MATERIAL TEMPORARY SEGREGATION AND STORAGE AREA

MEATHOD OF MEASUREMENT:

The work will be measured on a lump sum basis.

This item includes all station(s) and area(s) constructed for the purposes of being for segregation and storage of radioactive contaminated material.

BASIS OF PAYMENT:

The price bid shall include the cost of all labor, materials and equipment necessary to satisfactorily complete the work and restore the area to pre-existing conditions as outlined in this specification.

75% of the price bid for this item will be paid upon satisfactory installation and operation of the segregation and storage area. The remaining 25% of the price bid will be paid upon satisfactory removal of the area to pre-existing conditions.

Payments will be made under:

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