

**Disposition
WIPP Information Request**

(please provide numerical data in commonly reported units)

Store and ship up to 6 MT of plutonium to WIPP		
Information Requested	E-Area mods (if any) and storage awaiting shipment	WIPP
		Assumes that if the material can be accepted at WIPP there would be no change in impacts from those analyzed in the WIPP SEIS.
General	No new construction or facility modifications are anticipated as a result of this activity.	
Schedule - Design - Construction or Modification - Operation - Deactivation and decommissioning	N/A	
Description of modifications to facility including: - Latitude and Longitude - Elevation above NGVD (units) - Floor space used (units) - Plot plan - Floor plan with equipment arrangement - Features that prevent unauthorized entry (unclassified description) - Features that ensure safeguards against malevolent acts or material diversion by internal and external entities (unclassified description) - Fire protection systems - Features that control releases of airborne contaminants (include diagram of treatment train) - Features that control releases of waterborne contaminants (include diagram of treatment train) - Features/procedures that prevent criticality - Description of liquid and non-liquid waste processing	N/A	

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Construction/modification	No new construction or facility modifications are anticipated as a result of this activity.	
Land disturbed (acres or hectares)	N/A	
Description of activities conducted (e.g., decontamination/removal/disposal of existing facilities/equipment, land clearing, onsite concrete plant) and modifications needed (e.g., floors, walls, support beams, roof, waste management, ventilation, new roads)	N/A	
Describe type and quantity of air pollutant emitting equipment and frequency and duration of use.	N/A	
Describe type and quantity of noise producing equipment and frequency and duration of use.	N/A	
Emission release parameters <ul style="list-style-type: none"> - For any stack releases - release location (latitude & longitude), stack height, stack diameter, stack exhaust velocity or flow rate, exhaust air temperature - For fugitive releases - release location and dimensions of source area 	N/A	
Air emissions (point source and fugitive): <ul style="list-style-type: none"> - Criteria Pollutants (metric tons/yr) - HAPs (kilograms/yr) - Radioisotopes (curies/yr) 	N/A	
Liquid effluents <ul style="list-style-type: none"> - Location(s) of discharge(s) and copies of permit(s) - Rate(s) of discharge(s) (units/day) - Concentrations of contaminants (picocuries/liter or micrograms/liter) 	N/A	
Employment for each year (FTEs)	N/A	
Shifts	N/A	
Worker radiological exposure - total dose (person-rem)	N/A	
Number of exposed workers	N/A	

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Utilities needed - Potable water (units/yr) - Non-potable water (units/yr) - Electricity (units) - Gasoline (units/yr) - Diesel Fuel (units/yr)	N/A	
Resources needed - Concrete (units) - Asphalt (units) - Steel (units) - Crushed stone (units) - Sand & Gravel (units) - Soil (units) - Lumber (units) - Chemicals (units) - Gases (units) - Other construction materials (units)	N/A	
Waste generated (provide solid and liquid separately) (units/yr): - TRU - LLW - MLLW - Hazardous - Non-Hazardous	N/A	
Operations	This activity is only a portion of the overall waste storage, treatment and disposal program maintained by Solid Waste Management (SWM). No significant changes to facility or operational program are anticipated due to this activity.	
Land area occupied by the completed facility (acres or hectares)	<u>The current facility occupies approximately 140 acres.</u>	

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Description of Process including: <ul style="list-style-type: none"> - Flowchart - Throughput (units/yr) 	<p style="color: red;">Packaged waste materials will be brought to the SWM facility via closed body trucks from the generating site. Waste containers are off loaded using forklifts and stored on covered TRU storage pads. Periodically, the DOE Carlsbad Field Office (CBFO) will schedule a characterization campaign at the SRS. The characterization crew will perform the following certified actions: non-destructive examination (NDE), non-destructive assay (NDA), and head space gas analysis (HSG). The results will be analyzed and compared to the Acceptable Knowledge (AK) report describing the specific waste stream. Once agreement is established, the container will be scheduled for disposal. Again a crew from the CBFO will be assigned to load the certified waste containers into Type B shipping casks and then transported to the WIPP Facility in Carlsbad, NM for disposal. SRS personnel are responsible for the safe storage and container movement activities associated with this program.</p>	
Emission release parameters <ul style="list-style-type: none"> - For stack releases - release location (latitude & longitude), stack height, stack diameter, stack exhaust velocity or flow rate, exhaust air temperature - For fugitive releases - release location and dimensions (including height) of vents or louvers from which release would occur - Emissions from emergency generators, boilers, and other ancillary equipment 	<p style="color: red;">No change in the emission release parameters are expected due to this activity.</p>	
Air emissions <ul style="list-style-type: none"> - Criteria Pollutants (metric tons/yr) - HAPs (kilograms/yr) - Radioisotopes (curies/yr) 	<p style="color: red;">No change in the air emissions are expected due to this activity.</p>	

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Liquid effluents - Location(s) of outfall(s) - Rate(s) of discharge(s) (units/day) - Concentrations of contaminants (picocuries/liter or micrograms/liter)	No change in the liquid effluent is expected due to this activity.	
Employment (FTEs)	No additional employees are anticipated due to this activity. SWM employment is expected to be about 150.	
Shifts	Normal operational hours are 4 days a week, Monday - Thursday, 10 hours per day.	
Employee radiological exposure - total dose (person-rem)	No change in dose rate is expected due to this activity. TRU operation personnel average between 340 - 500 mRem per year depending on their job activity.	
Number of exposed workers	No addition workers are anticipated due to this activity. The current TRU Operation workforce is approximately 15 people.	
Utilities needed - Potable water (units/yr) - Non-potable water (units/yr) - Electricity (kw/hr) - Natural gas (units/yr) - Coal (units/yr) - Gasoline (units/yr) - Diesel Fuel (transportation) (units/yr) - Heating fuel oil (units/yr)	No change in utility requirements is expected due to this activity.	
Resources needed - Metals (units/yr) - Chemicals (units/yr) - Gases (units/yr) - other materials (units/yr)	No increase in resources is expected as a result of this activity.	
Waste generated (solid or liquid) (units/yr): - TRU - Mixed TRU - LLW - MLLW - Hazardous - Non-Hazardous	No waste generation is expected as a result of this activity.	

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Please provide any safety documentation (e.g., safety assessments, safety analysis reports) for this facility.	Documented Safety Analysis, Solid Waste Management Facility, Savannah River Site, WSRC-SA-22 Rev. 12, July 2010 Technical Safety Requirements, Solid Waste Management Facility, Savannah River Site, WSRC-TS-95-16 Rev. 15, January 2010	
List any accident scenarios (in existing safety or NEPA documents) that need to be modified because of changes produced by the proposed action. For any new or modified scenarios provide the information listed below:	No new or modified Safety Basis scenarios are anticipated due to this activity.	
Radiological accidents <ul style="list-style-type: none"> - Accident description (include release pathways and mitigating factors) - Accident frequency - Material at risk - Material characteristics - Source term released to environment (curies by isotope) - Release parameters: release fractions, release timing, location, release height, release duration, and heat of release - Filtration (specify efficiency) - Number of involved workers 	N/A	
Chemical inventory for chemical accident analysis <ul style="list-style-type: none"> - List chemicals, total facility inventory, and annual usage of the chemical - Size and location of largest tank (storage container) for each chemical. Include floor area or diked area that would contain the spill when applicable. - Concentration of chemical in largest tank (identify if this is the highest concentration of the chemical being stored). If not, also list the other storage locations, size of tank and concentration of chemical being stored. 	N/A	
Design basis earthquake frequency and intensity	N/A	

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Earthquake frequency that would result in loss of structural integrity	N/A	
Other natural phenomena that would result in loss of structural integrity and their frequency	N/A	
Aircraft crash frequency	N/A	

MOX FFF = Mixed Oxide Fuel Fabrication Facility