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DONALD VON RAESFELD POWER PLANT (02-AFC-3)

Hazardous waste management requirements

Waste Types	Characterization Requirements	Containment Requirements	Storage Requirements	Transportation Requirements	Disposal Requirements	Status 2024
Used Oil, Oil Filters - 1000 gal oil/yr - 150 lbs. filters per year	Spent oil filters and oil will be handled as a Specified California Hazardous Waste. "Drained" oil filters to be managed as a non-hazardous solid waste. Recycling of the "empty" filters is the preferred method for removal of this material from site.	Used oil to be stored in 55-gallon containers. "Drained" oil filters to be placed into plastic bags. Filters to be drained and stored at either the "Empty Drum" storage area or within the secondary containment area at the used oil storage area.	Used oil to be stored in the used oil storage area Fifty-five gallon containers of used oil are also to be labeled "USED OIL/HAZARDOUS WASTE." Apply "repetitive" accumulation start date label. Spent oil filters to be completely drained and placed into plastic bags and placed into non-hazardous solid waste dumpsters. A contracted waste oil recycler shall pick up used oil within 90 days of placement of first drop of oil in the container.	HW manifest required.	Contracted Recycler to pickup and recycle used oil and empty filters. Secondary choice would be disposal of the bagged (drained) oil filters at an approved Class III solid waste landfill.	Oil is hauled off-site within 90-day storage limits to an oil recycler Oil filters are drained and treated as hazardous waste
Laboratory analysis waste - approx. 150 gal per year	Can run total analysis, TCLP, WET or use process knowledge to characterize the waste.	DOT-approved 55-gal. drums (1A1 or 1A2 depending on whether a liquid or solid) or DOT-approved Super Sacks.	HW - Labeling should consist of a completed commercial HW label. Containers must be sealed/covered when not being managed. Containers must be elevated to prevent contact with any ponded precipitation. HW - the storage accumulation clock starts from the date that waste is first put into the container destined for off-site disposal (90-day max. allowed) <u>Allowable Storage Locations</u>: The less than 90-day storage area.	HW - HW manifest and DOT placarding required. Must use an USEPA-permitted transporter. Must also have LDR certifications as necessary. Individuals involved in overseeing or shipping hazardous materials must meet HM-181 & HM-126F training requirements.	Disposed of in a Class I landfill.	Laboratory waste collected in Laboratory Accumulation site then moved into 90-Day storage area within one year or at 55-Gallons.

DONALD VON RAESFELD POWER PLANT (02-AFC-3)

Hazardous waste management requirements

Waste Types	Characterization Requirements	Containment Requirements	Storage Requirements	Transportation Requirements	Disposal Requirements	Status 2024
SCR & CO catalyst units - 25,000 lbs. every 3 to 5 years	Managed as hazardous waste based on heavy metals content.	By recycling contractor.	NA	By recycling contractor. HW manifest required.	Recycled by catalyst manufacturer or disposed in Class I landfill.	None in 2024.
Chemical cleaning waste - 50.000 gal. every 10 years	Managed as hazardous waste	NA – will be removed following completion of cleaning by contractor.	NA – will be removed following completion of cleaning by contractor.	Appropriately licensed transporter. HW manifest required.	Off-site treatment/disposal by contractor at permitted hazardous waste facility.	None generated in 2024.
Condensate from natural gas pipeline - 900 gal. per year	Managed as hazardous waste.	Underground storage tank meeting California Title 22 and RCRA requirements. Secondary containment systems shall be tested every 3 years for leakage per Fire Department permit and California Health and Safety Code.	Contained in double-walled underground storage tank. Continuous monitoring will be conducted in interstitial space.	Contracted hazardous waste management company will remove condensate. HW manifest required.	Off-site treatment/disposal by contractor at permitted hazardous waste facility.	Pumped out ~560 gallons of hazardous waste in 2024.
Batteries: alkaline, nickel cadmium, mercury, lead acid	Managed as universal waste. Batteries will be recycled by vendor or battery recycling facility.	Place in appropriately sized container. Alkaline batteries will be staged in area with secondary containment until collected by the vendor.	Place on universal waste storage area.	Appropriately licensed transporter. Documentation required.	Batteries will be recycled to extent possible.	All batteries are collected on-site for transport to recycling facility, 43 lbs in 2024.