

ATTACHMENT DR 72-1
OPERATIONS WASTE TABLE

Operation Phase

During PSEGS operation, the primary waste generated will be nonhazardous solid waste. However, varying quantities of both solid and liquid hazardous waste will also be generated periodically. The types of waste and their estimated quantities are discussed below.

Nonhazardous Solid Waste

The majority of nonhazardous waste will be condensate polishing vessels and deionization trailers from the onsite water treatment unit. PSEGS will also produce maintenance and generating facility wastes, typical of power generation operations. These will include rags, broken and rusted metal and machine parts, defective or broken electrical materials, empty containers, the typical refuse generated by workers and small office operations, and other miscellaneous solid wastes. The quantity generated is estimated to be about 235 tons per year excluding sewer sludge. Large metal parts will be recycled.

Hazardous Waste

Hazardous waste generated at the site will include waste lubricating oil, used oil filters, and chemical cleaning wastes. They will consist of alkaline and acidic cleaning solutions used during chemical cleaning of the boiler system turbine. These wastes generally contain high concentrations of heavy metals and will be collected for offsite disposal.

Nonhazardous and hazardous wastes that potentially would be generated at the facility are summarized in Table DR 72-1.

TABLE DR 72-1
Potential Wastes Generated during PSEGS Operation

Waste	Origin	Composition	Estimated Quantity	Classification	Disposal
Lubricating oil	Small leaks and spills from the steam turbine lubricating oil system and routine maintenance of the steam turbine	Hydrocarbons	200 gallons per steam turbine, or 600 gallons per maintenance event	Hazardous	Recycled by certified oil recycler
Lubricating oil filters	Steam turbine lubricating oil system	Paper, metal, and hydrocarbons	1,500 pounds per year	Hazardous	Recycled by certified oil recycler
Solvents, paint, adhesives	Operation of facility	Varies	180 pounds per month	Hazardous	Recycle at a permitted TSDF
Deionization Trailer unit	Water Treatment Process	Metal and resins	Trailers will be changed out every 2 weeks	Non-Hazardous	Recycled by water treatment manufacturer
Condensate polishing vessels	Water Treatment Process	Metal and resins	Vessels will be changed out every 2 weeks	Non-Hazardous	Recycled by water treatment manufacturer

TABLE DR 72-1
Potential Wastes Generated during PSEGS Operation

Waste	Origin	Composition	Estimated Quantity	Classification	Disposal
Oily rags	Maintenance, wipe down of equipment, etc.	Hydrocarbons, cloth	900 pounds per year (~800 rags per year)	Hazardous	Recycled by certified oil recycler
Oil sorbents	Cleanup of small spills	Hydrocarbons	600 pounds per year	Hazardous	Recycled or disposed of by certified oil recycler
Operating Area Wash Down	Evaporator System concentrate derived from plant oily wash down water (wash down is first treated by O/W separator)	Detergents, Soluble oil, suspended solids	679 gallons per day for each power Station/field (combined total of 1,358 gallons/day)	Non-Hazardous	Transported off-site for disposal by certified solid waste treatment facility
Onsite sanitary sewage treatment system	Sanitary wastewater will be discharged to an onsite septic tank and overflow into an underground leach field	Sanitary wastewater	700 gallons per day for each power station/field	Non-Hazardous	Contents of septic tank will be removed by sanitary hauler as needed