

TABLE 4.14-1A (BASED UPON TABLE 5.14-2 OF THE AFC, BOLDED TEXT DENOTES ADDITIONAL WASTES ASSOCIATED WITH TANK DEMOLITION AND OCEAN WATER PURIFICATION PLANT)

Combined List of Wastes Generated during the Construction Phase at the CECF Facility – July 2008

Waste	Origin	Composition	Estimated Quantity	Classification	Disposal
Scrap Plate	Demolition	Metal Composites	4500 tons	Nonhazardous	Recycle and/or dispose of in a Class II or III landfill
Concrete Rings	Demolition	Concrete	1100 cubic yards	Nonhazardous	Recycle and/or dispose of in a Class II or III landfill
Construction and Demolition Materials	Demolition	Miscellaneous	900 cubic yard	Nonhazardous	Recycle and/or dispose of in a Class II or III landfill
Entrained Oil	Demolition	Petroleum Hydrocarbon	16,000 – 32,000 gallons (64-128 tons)	Nonhazardous	Recycle and/or dispose of in a Class II or III landfill
Pipe with Entrained Oil	Demolition	Petroleum laden metal	350 tons	Nonhazardous	Recycle and/or dispose of in a Class II or III landfill
Asbestos	Demolition	Asbestos laden construction debris	60 tons	Hazardous	Recycle at a permitted TSDF
Asphalt Topping	Demolition	Asphalt	2000 cubic yards	Nonhazardous	Recycle and/or dispose of in a Class II or III landfill
Scrap wood, glass, plastic, paper, calcium silicate insulation, and mineral wool insulation	Construction	Normal refuse	8,000 lbs/mo (dumpster)	Nonhazardous	Recycle and/or dispose of in a Class II or III landfill
Scrap Metals	Construction	Parts, containers	1,000 lbs/mo	Nonhazardous	Recycle and/or dispose of in a Class III landfill
Concrete	Construction	Concrete	60 tons during construction	Nonhazardous	Recycle and/or dispose of in a Class III landfill
Empty liquid material containers	Construction	Drums, containers, totes	100 containers*	Nonhazardous solids	Containers <5 gallons will be disposed as normal refuse. Containers >5 gallons will be returned to vendors for recycling or reconditioning.
Spent welding materials, i.e. welding rods	Construction	Solid	100 lbs/mo	Nonhazardous	Recycle with vendors or Dispose at a Class I landfill if hazardous

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Waste oil filters	Construction equipment and vehicles	Solids	100 lbs/mo	Nonhazardous	Recycle at a permitted TSDf
Used and waste lube oil	CT and ST lube oil flushes	Hydrocarbons	200 drums (life of project construction)	Hazardous	Recycle at a permitted TSDf
Oily rags, oil sorbent excluding lube oil flushes	Cleanup of small spills	Hydrocarbons	100 lb/mo	Hazardous	Recycle or dispose at a permitted TSDf
Solvents, paint, adhesives	Maintenance	Varies	180 lbs/mo	Hazardous	Recycle at a permitted TSDf
Spent lead acid batteries	Construction equipment, trucks.	Heavy metals	5 batteries per year	Hazardous	Store no more than 10 batteries (up to 1-year) – recycle offsite.
Spent alkaline batteries	Equipment	Metals	10 batteries per month	Universal Waste solids	Recycle or dispose offsite at an Universal Waste Destination Facility
Steam turbine cleaning waste	Pre-boiler piping	Corrosive cleaning chemicals	200 gallons before plant startup	Hazardous or nonhazardous liquid	Dispose at a permitted TSDf
Waste oil	Equipment, vehicles	Hydrocarbons	20 gal/mo	Non-RCRA Hazardous Liquid	Dispose at a permitted TSDf
Sanitary waste	Portable toilet holding tanks	Sewage	500 gal/day	Nonhazardous Liquid	Remove by contracted sanitary service
Storm water	Rainfall	Water	2 acre-feet (from 10-yr storm event)	Nonhazardous Liquid	Discharge to storm water drain
Fluorescent, mercury vapor lamps	Lighting	Metals and PCBs	100 lbs/yr	Universal Waste solids	Recycle or dispose offsite at an Universal Waste Destination Facility
Passivating and chemical cleaning fluid waste	Pipe cleaning and flushing	Varies	600,000 gal (life of project construction)	Hazardous or nonhazardous liquid	Sample and characterize – if clean, dispose of in sanitary sewer; otherwise, manage appropriately offsite

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Combined List of Wastes Generated during the Construction Phase at the CECF Facility – July 2008

Waste	Origin	Composition	Estimated Quantity	Classification	Disposal
Hydrotest water	Testing equipment and piping integrity	Water	300,000 gallons (life of project construction)	Hazardous or nonhazardous liquid	Sample and characterize – if clean, dispose of in storm drain; otherwise, manage appropriately offsite

Note: Containers include <5-gallon containers and 55-gallon drums or totes

TABLE 4.14-2A (BASED UPON TABLE 5.14-3 OF THE AFC, BOLDED TEXT DENOTES ADDITIONAL HAZARDOUS WASTES ASSOCIATED WITH TANK DEMOLITION AND OCEAN WATER PURIFICATION PLANT)

Combined List of Hazardous Wastes Generated at the CECF Facility During Operation – July 2008

Waste	Origin	Composition	Estimated Quantity	Classification	Disposal
Filtered Cake (dry)	Operational waste from water purification system	Heavy metals and sludge	150-300 pounds/day	Hazardous/ Non-hazardous	Class II or III Landfill
Filtered Cake (wet)	Operational waste from water purification system	Heavy metals and liquefied sludge	300-600 pounds/day	Hazardous/ Non-hazardous	Class II or III Landfill
Lubricating oil/oil sorbents	Small leaks and spills from the gas turbine lubricating oil system	Hydrocarbons	700 lb/yr	Hazardous	Cleaned up using sorbent and rags – disposed of by certified oil recycler
Lubricating oil filters	Gas turbine lubricating oil system	Paper, metal, and hydrocarbons	1,000 lb/yr	Hazardous	Recycled by certified oil recycler
Lubricating oil	Maintenance of turbine, equipment	Hydrocarbons	500 lb/yr	Hazardous	Recycled by certified oil recycler
Solvents, paint, adhesives	Maintenance	Varies	200 lbs/mo	Hazardous	Recycle at a permitted TSDf
Laboratory analysis waste	Water treatment	Waste reagents/ laboratory chemicals	50 gals/yr	Hazardous	Recycled by certified recycler

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Combined List of Hazardous Wastes Generated at the CECP Facility During Operation – July 2008

Waste	Origin	Composition	Estimated Quantity	Classification	Disposal
SCR catalyst units	SCR system (Warranty is 3 years-use tends to be 3 to 5 years)	Metal and heavy metals, including vanadium	60 to 70 tons every 3 to 5 yrs	Hazardous	Recycled by SCR manufacturer or disposed of in Class I landfill
CO catalyst units	HRSRG (Use tends to be 3 to 5 years)	Metal and heavy metals, including vanadium	6 to 7 tons every 3 to 5 yrs	Hazardous	Recycled by manufacturer
Spent lead acid batteries	Electrical room, equipment	Metals	5 batteries/year	Hazardous	Store no more than 10 batteries (up to 1-year) – recycle offsite.
Spent alkaline batteries	Equipment	Metals	50 lbs/year	Universal waste solids	Recycle or dispose offsite at an Universal Waste Destination Facility
Fluorescent tubes	Lighting of maintenance areas	Metals	50 lbs/year	Universal waste solids	Recycle or dispose offsite at an Universal Waste Destination Facility
Oily rags	Maintenance, wipe down of equipment, etc.	Hydrocarbons, cloth	300 lb/yr (~800 rags/yr)	Hazardous	Recycled by certified oil recycler
Chemical feed area drainage	Spillage, tank overflow, area washdown water	Water with water treatment chemicals	Minimal	May be hazardous if corrosive	Discharged to sewer if nonhazardous; shipped offsite for disposal if hazardous