

Table OP-10 Estimated Composition of Waste during Operations (Page 1 of 2)

Class of Waste	Specific Waste Type	Estimated Monthly Quantity	Storage Method	Disposal Method
Solid Waste				
Non-11(e)(2) Byproduct	Paper	1.7 yd ³	Recycle bins	1 ⁽¹⁾
	Cardboard	4.2 yd ³	Recycle bins	1
	Kitchen garbage	4.2 yd ³	Trash can with transfer to dumpster	2
	Sewer sludge	0.3 yd ³	No storage; immediate transfer to disposal upon collecting	2
	Mud/cement sacks	16.7 yd ³	Dumpster	2
	HDPE/PVC pipe scrap	8.3 yd ³	Dumpster	2
	Wood Pallets	16.7 yd ³	Stored outdoors	3
	Miscellaneous	--	Appropriate to material	1
11(e)(2) Byproduct	Bag filters	2.9 yd ³	5	4
	Spent resin	0.2 yd ³	5	4
	Tank sludge	0.2 yd ³	5	4
	Gloves	0.1 yd ³	5	4
	Protective coveralls (i.e. Tyvek)	0.2 yd ³	5	4
	Scale	0.1 yd ³	5	4
	Piping	2.9 yd ³	5	4
	Valves	0.2 yd ³	5	4
	Cardboard	0.3 yd ³	5	4
	Paper	0.1 yd ³	5	4
	Miscellaneous	---	5	4
Hazardous Material	Fluorescent bulbs	2 bulbs	Packaged/labeled according to EPA regulations and placed in a dumpster	2
	Ballast	0.2 ballasts	Stored indoors until disposal	2
	Rechargeable batteries	1 pound	Stored indoors until disposal	1
	Miscellaneous	---	Appropriate to material	1

Table OP-10 Estimated Composition of Waste during Operations (Page 2 of 2)

Class of Waste	Specific Waste Type	Estimated Monthly Quantity	Storage Method	Disposal Method
Liquid Waste				
Non-11(e)(2) Byproduct	Domestic Sewage	20,000 gallons	None	Septic tank w/ leach field
	Waste petroleum products	40 to 80 gallons	6	6
11(e)(2) Byproduct	Hydrologic Bleed	3,060,000 ⁽²⁾	Wells with ponds available. ⁽³⁾	Disposal Well
	RO Brine	6,600,000		
	Groundwater Sweep	5,300,000		
	Plant Process Water	440,000		
Hazardous Material (Petroleum products & chemicals)	Not associated w/ laboratory	<1 gallon	7	7
	Associated w/ laboratory	<1 gallon	None	Disposal Well

- ⁽¹⁾ 1 - Recycle to extent possible; remainder of material sent to local licensed landfill.
 2 - Send to local permitted landfill or sewage pond as appropriate
 3 - Recycle to extent possible; remainder of pallets sent to local licensed landfill or burned on-site with an air quality permit from WDEQ-AQD.
 4 - Dispose of at a facility licensed by the NRC or an Agreement State to receive 11(e)(2) Byproduct material for disposal.
 5 - Place in trash container in plant and then transferred to a DOT-approved container for disposal.
 6 - Store in sealed, strong, tight, waterproof, labeled container(s) in indoor, bermed, and ventilated area adjacent to maintenance shop. Waste petroleum products may be burned on-site to generate heat. If not burned on-site, the petroleum waste will be sent to a local permitted recycling facility, such as the Casper landfill.
 7 - Store in sealed, strong, tight, waterproof, labeled containers above ground in accordance with EPA requirements and in berms suitable for their contents, e.g., acid waste containers in the acid tank berm.
- ⁽²⁾ The processes generating the waste water streams described below do not always operate concurrently. Therefore, this table must be read along with the timeline presented in Figure OP-4a and Water Balance Figures OP-5a thru 5f.
- ⁽³⁾ Generally, 11(e)(2) waste water will be sent directly to the disposal well. However, the option for storage in the lined storage ponds is available as needed.