Table 3.4-17 Anticipated Hazardous Material Usage and Storage During Operation (Continued)

Material	Application	Amount Stored On-Site	Phase	CAS Number	Hazards [3]	CalARP Threshold Quantity
Hydrogen	Generator Cooling	24,000 SCF	Gas	1333-74-0	Acute, fire, pressure, reactive	10,000 lb
Nitrogen	Blanketing	400 lb	Gas	7727-37-9	Pressure	N/A
Diesel Fuel Oil	Diesel Firewater Pump Motor, Emergency Diesel Generator	280 US gal	Liquid	68476-34-6	Acute, chronic, fire	N/A
Natural Gas	Gas Turbine Generator and Duct Burner Fuel	2,600 lb [4]	Gas	None	Acute, fire, pressure	N/A

Notes:

1. Demineralizer regeneration chemicals for makeup water are not included - plant will use the leased demineralizer trailers, which are regenerated off-site.
2. All quantities are approximate.
3. Hazards categories are defined by 40 CFR 370.2. Health hazards include acute (immediate) and chronic (delayed). Physical categories include fire, sudden release of pressure and reactive.
4. In the equipment and pipelines.
5. Chemicals are pre-mixed in portable containers and provided by the Chemical Supplier. Typical volume is 400 US gal with 375 US gal usable.
6. These chemicals are commonly used as stated. Similar chemicals could be substituted, which do not cause significantly.
7. Gas turbine generator water wash cleaning chemicals are not stored on-site; cleaning is by a contractor.
8. Threshold applies to hydrogen chloride.