

**TABLE 9.1-2 (REVISED April 2003)**  
**Chemicals Used During Operations and Maintenance**

<b>Chemical</b>	<b>Estimated Quantity</b>	<b>Storage</b>	<b>Purpose</b>
Lubricating oil	25,800 gallons	In STG and GTG equipment, lockers for smaller rotating equipment	Lubrication of rotating equipment
Control oil	400 gallons	In STG equipment	STG equipment
Hydrogen	605,000 scf	GTG/STG gas bottles	Coolant for power generation
Carbon dioxide	32,500 scf	GTG/STG gas bottles	Purge and fire protection for power generation equipment
Transformer oil	49,500 gallons	Combustion turbine transformers	Coolant
Transformer oil	17,000 gallons	Steam turbine transformer	Coolant
Transformer oil	10,000 gallons	Auxiliary transformers	Coolant
Anhydrous Ammonia	168,500 gallons annually	Above grade horizontal cylindrical tank	No <sub>x</sub> reduction
SCR Catalyst (Note 1)	4,800 ft <sup>3</sup>	In HRSG	No <sub>x</sub> reduction
CO Catalyst (Note 1)	990 ft <sup>3</sup>	In HRSG	CO reduction
Propylene glycol	22,800 gallons	Above grade tank	Closed loop cooling water system
nitrate/borate corrosion inhibitor	50 gallons	Drum	Closed loop cooling water system
diethyl hydroxylamine oxygen scavenger	500 gallons	Tank	Boiler Feedwater Treatment
morpholine corrosion inhibitor	500 gallons	Tank	Boiler Feedwater Treatment
Di- and trisodium phosphate pH/scale control agent	200 pounds	Bags/tank	Boiler Feedwater Treatment
Cation resin	950 ft <sup>3</sup>	Warehouse/tank	Water treatment system
Anion resin	900 ft <sup>3</sup>	Warehouse/tank	Water treatment system
Caustic (50 wt%)	8000 gallons	Tank	Water treatment system
Sulfuric acid (93 wt%)	16,000 gallons	(2) Tanks	Water treatment system
polyquaternary amine polymer	350 gallons	Tank	Water treatment system
Powdered cellulose and activated carbon	2000lb	Bags or drums	Water treatment system
Sodium Hypochlorite 15% solution	16,000 gallons	(2) Tanks	Cooling tower circulating water treatment
Polyacrylamide polymer	800 gallons	(2) Tanks	Cooling tower circulating water treatment
Zinc and phosphonate solution	800 gallons	(2) Tanks	Cooling tower circulating water treatment
Natural Gas	N/A	Pipeline	Fuel

Note 1: This is a fixed ceramic matrix material that is replaced at 3 to 5 year intervals.