

EXHIBIT 48-1

Table 2.8-1 - Operations Hazardous Materials (Rev. 8/28/08)

MATERIAL	USE/SOURCE	QUANTITY OF PRODUCTS STORED OR WASTE GENERATED	TRANSPORT FREQUENCY	TOTAL TRUCKS PER YEAR	HAZARDS	CAS NUMBER
Products with Hazardous Properties						
Aqueous Ammonia, 19.0 weight percent	NO _x emissions control in SCR	10,000 gallons	Bi-monthly	6	Acute and chronic toxicity	7664-41-7
Mineral Insulating Oil (Non PCB)	Electrical transformers	12,000 gallons	No routine transport ⁽²⁾	No routine transport ⁽²⁾	Fire	8012-95-1 ⁽⁷⁾
Synthetic Lubricating Oil	CTGs roller bearing lubrication and cooling	300 gallons	No routine transport ⁽³⁾	No routine transport ⁽³⁾	Fire	1330-78-5 ⁽⁷⁾
Hydraulic Oil	CTGs start system	100 gallons	No routine transport ⁽²⁾	No routine transport ⁽²⁾	Fire	Mixture
Propylene Glycol	Antifreeze for closed cooling water system and in inlet air chillers	55 gallons	No routine transport ⁽²⁾	No routine transport ⁽²⁾	Chronic toxicity	57-55-6
Mineral Lube Oil	Generator sleeve bearing lubrication and cooling	1,000 gallons	No routine transport ⁽³⁾	No routine transport ⁽³⁾	Acute toxicity and corrosive	99551-14-1 ⁽⁷⁾
Mineral Lube Oil	Fuel gas reciprocating compressors bearing and cylinder lubrication and cooling	100 gallons	165 gallons/6 months	2	Acute and chronic toxicity, reactive and corrosive	99551-14-1 ⁽⁷⁾
Diesel No. 2	Fire pump	250 gallons	No routine transport ⁽⁴⁾	1	Fire	68334-30-5
Compressed Gasses NO _x O ₂ CO	CEMS	1,000 cu. ft.	Bi-monthly	6	Pressure Release	175876-44-5 80937-33-3 630-08-0
Lead Acid Batteries (sealed)	Emergency fire pump, black-start generator engines; plant uninterruptible power supply		No routine transport ⁽²⁾	No routine transport ⁽²⁾	Acute and chronic toxicity, reactive and corrosive	7664-93-9
CO ₂	Fire suppression	100 ft ³	No routine transport ⁽⁴⁾	No routine transport ⁽⁴⁾	Asphyxiant, pressure release	124-38-9

MATERIAL	USE/SOURCE	QUANTITY OF PRODUCTS STORED OR WASTE GENERATED	TRANSPORT FREQUENCY	TOTAL TRUCKS PER YEAR	HAZARDS	CAS NUMBER
HFC-134a	Chiller Refrigerant	5,600 lbs	No routine transport ⁽²⁾	No routine transport ⁽²⁾	Asphyxiant	811-97-2
Sulfuric Acid	Circulating system pH control	2,500 lbs (approx 200 gallons)	Shipped Quarterly	4 ⁽⁶⁾	Corrosive, skin, eye and lung hazard	7664-93-9
Chlorine	Circulating system biocide	250 lbs	Shipped Quarterly	⁽⁶⁾	Corrosive, skin eye and lung hazard	8007-59-8
Proprietary scale/corrosion control made up of: Sodium Tolyltriazole; 2-Phosphono butane-1, 2, 4-Tricarboxylic acid; Sodium poly-acrylate; Poly-phosphate; Sodium hydroxide (product pH control); Water	Circulating system scale and corrosion control	(Mixture) Sodium Tolyltriazole: 100 lbs; 2-Phosphono butane-1, 2, 4-Tricarboxylic acid: 100 lbs; Sodium poly-acrylate: 100 lbs; Poly-phosphate; 100 lbs; Sodium hydroxide; 100lbs	Shipped Quarterly	⁽⁶⁾	Corrosive, skin, eye and lung hazard	Various
Acetylene	Welding gas	650 cu. ft.	Shipped Quarterly	4	Fire	74-86-2
Natural Gas	CTG/Blackstart generator fuel	Pipeline supplies natural gas	No routine transport	No routine transport	Fire	74-82-8
Sulfur Hexaflouride	Switchyard breakers	66 lbs.	No routine transport ⁽²⁾	No routine transport ⁽²⁾	Asphyxiant	2551-62-4
Laboratory Reagents (liquid)	Water quality testing	10 gallons	Shipped Quarterly	4	Various	Various
Laboratory Reagents (solid)	Water quality testing	50 lbs	Shipped Quarterly	4	Various	Various
Hazardous and Universal Waste						
Used Oil	Mechanical equipment	165 gallons/6 months	Shipped twice per year.	2	Fire, toxicity	8002-05-9

MATERIAL	USE/SOURCE	QUANTITY OF PRODUCTS STORED OR WASTE GENERATED	TRANSPORT FREQUENCY	TOTAL TRUCKS PER YEAR	HAZARDS	CAS NUMBER
Other Non-Resource Conservation and Recovery Act (RCRA) and RCRA Hazardous Waste Liquids	Waste paint, used or off-spec petroleum products, spent solvent, water with hydrocarbons, spent or off-spec coolant	Small Quantity Generator ⁽⁵⁾	Shipped twice per year.	2	Fire, toxicity, corrosivity	Various
Non-RCRA and RCRA Hazardous Waste Solids	Petroleum wastes, sandblast residue, paint residue, oil filters, spent SCR catalyst	Small Quantity Generator ⁽⁵⁾	Small quantities shipped twice per year. Partial SCR catalyst replacement every 3-5 years.	2	Fire, toxicity	Various
Universal Waste	Used batteries, used lamps, cathode ray tubes, electronic equipment, aerosol cans	Small Quantity Handler ⁽⁵⁾	Shipped at least once per year	1	Fire, toxicity	Various
TOTAL ESTIMATED TRUCKS PER YEAR				30		

- (1) Hazards and hazard categories for products are following 40 CFR Ch. 1, Section 370.2. Health hazards include acute (immediate) and chronic (delayed). Physical categories include air, sudden release of pressure, and reactive. For Hazardous and Universal Waste, Hazardous characteristics are from CCR Title 22 Division 4.5.
- (2) Transport required for construction, and possibly on infrequent occasions during operations.
- (3) Following initial fill during construction, routine consumption is very small (e.g., less than 2 drums per year.)
- (4) Replenish as necessary as a result of actual use or weekly testing.
- (5) Generator/Handler categories under RCRA hazardous waste management regulations.
- (6) Water treatment reagents shipped quarterly on a common truck.
- (7) Individual product providers may have other CAS numbers for substantially the same materials with similar hazardous properties. Therefore, the CAS number of this product onsite may change from time to time depending on the vendor or manufacturer.