

TABLE 2-1. Hazardous Materials

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WATER PROCESSING CHEMICALS						
Chemical Name	Component	%	State	Storage Capacity and Type	Location	Control Measure
Ammonium Hydroxide	Ammonium Hydroxide	19	Liquid	Two 11,000 Gallon Tanks	Finished Water Bldg	Secondary Containment and Plugged Floor Drains
	Water	79				
Calcium Thiosulfate	Calcium Thiosulfate	24-30	Liquid	Two 4,600 Gallon Tanks	Chem Bldg #1	Secondary Containment and Plugged Floor Drains
	Water	70-76				
Carbon Slurry	Powdered Activated Carbon	10	Liquid	Four 30,000 Gallon Tanks	Carbon Bldg	Indoor Storage and Plugged Floor Drains
	Water	90				
Clarifloc C-6210 (Rec Basin/Dewatering Cationic Polymer)	Cationic Polymer Water	Unknown	Liquid	Two 5,000 Gallon Tanks One 1,000 Gallon Tank	Solids Dewatering Bldg	Secondary Containment and Plugged Floor Drains
				Up to six 275 Gallon Totes Two 1,500 Gallon Tanks, (Dilution Tanks, 0.2 - 0.5%)	Chem Bldg #1	Secondary Containment and Plugged Floor Drains
Clarifloc C-338 (Filter/Coag Aid Polymer)	Cationic Polymer	Unknown	Liquid	Two 5,200 Gallon Tanks Two 600 Gallon Tanks, (Dilution Tanks, 0.2 - 0.5%)	Chem Bldg #1	Secondary Containment and Plugged Floor Drains
	Water	Unknown				
	Water	Unknown				
	Water	Unknown				
Hydrochloric Acid	Hydrochloric Acid	32	Liquid	Three 4,000 Gallon Tanks (One Outside)	Solids Dewatering Bldg	Secondary Containment
	Water	68		Two 275 Gallon Totes One 500 Gallon Tank	Finished Water Bldg	Secondary Containment

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Hydrofluosilicic Acid	Hydrofluosilicic Acid	25	Liquid	One 6,500 Gallon Tank One 5,200 Gallon Tank One 350 Gallon Tank (Day Tank)	Chem Bldg #1	Secondary Containment and Plugged Floor Drains
	Water	75				
Liquid Oxygen	Oxygen	100	Liquid	Four 13,000 Gallon Tanks	Liquid Oxygen Storage Area, Outside Near Sodium Hypochlorite Building	Double-Walled with Interstitial Monitoring, Tanks Protected by Metal Fencing
Pebble Lime (Calcium Oxide, Quicklime)	Calcium Oxide	100	Solid	Two 5,500 Ft ³ Bunkers	Chem Bldg #2	Indoor Storage
Perlite	Perlite	100	Solid	One 700 Ft ³ Silo	Solids Dewatering Bldg	Indoor Storage
				One 5,500 Ft ³ Bunker	Chem Bldg #2	Indoor Storage
Phosphoric Acid	Phosphoric Acid	75	Liquid	Two 5,700 Gallon Tanks	Finished Water Bldg	Secondary Containment and Plugged Floor Drains
	Water	25				
Polyaluminum Chloride	Aluminum Chloride Hydroxide Sulfate	30	Liquid	Three 14,400 Gallon Tanks	Chem Bldg #1	Secondary Containment and Plugged Floor Drains
	Water	70		Three 30,000 Gallon Tanks	Chem Bldg #2	Secondary Containment and Plugged Floor Drains
Sodium Bisulfite (Dry)	Sodium Bisulfite	100	Solid	Forty-50 Pound Bags	Filter Bldg	Indoor Storage
Sodium Bisulfite	Sodium Bisulfite	38	Liquid	Two 275 Gallon Totes One 500 Gallon Tank	Finished Water Bldg	Secondary Containment and Plugged Floor Drains
	Water	62				

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Chemical Name	Component	%	State	Storage Capacity and Type	Location	Control Measure
Sodium Hydroxide (50%)	Sodium Hydroxide Water	50 50	Liquid	One 15,000 Gallon Tank	Chem Bldg #1	Secondary Containment and Plugged Floor Drains
				One 30,000 Gallon Tank	Chem Bldg #2	Secondary Containment and Plugged Floor Drains
				One 500 Gallon Tank	Finished Water Bldg	Secondary Containment and Plugged Floor Drains
Sodium Hydroxide (25-50%)	Sodium Hydroxide	25-50	Liquid	Two 275 Gallon Totes	Finished Water Bldg	Secondary Containment and Plugged Floor Drains
	Water	50-75				
Sodium Hypochlorite (6%)	Sodium Hypochlorite	6	Liquid	Ten 22,000 Gallon Tanks	Sodium Hypochlorite Bldg	Secondary Containment and Plugged Floor Drains
	Water	93				
	Sodium Hydroxide	1				
Sodium Hypochlorite (6-15%)	Sodium Hypochlorite	6-15	Liquid	Two 22,000 Gallon Tanks	Sodium Hypochlorite Bldg	Secondary Containment and Plugged Floor Drains
	Water	84-93				
	Sodium Hydroxide	1				
Sulfuric Acid	Sulfuric Acid	93	Liquid	Two 6,000 Gallon Tanks	Carbon Bldg	Secondary Containment and Plugged Floor Drains
	Water	7				
Water Softener Salt (Saturated Brine)	Sodium Chloride	85	Liquid	One 500 Gallon Tank	Sodium Hypochlorite Bldg	Secondary Containment and Plugged Floor Drains
	Magnesium Chloride	15				