

TABLE 1

Treatment Chemicals Used at Mirant Kendall Cogeneration Station					
Chemical Name	Use	Hazardous Constituents and Chemicals of Concern	Where Used	Approximate amount used per year in gallons	Concentration in Process Equipment
Sodium Bisulfite 38-40%	Dechlorination agent	Sodium Bisulfite	In UF Permeate line prior to RO	5,500	10 to 50 ppm
Avista Vitec 3000	Reduces scale precipitates and particulate fouling in RO system	None	RO System	660	5 ppm constantly in influent to RO System
BL-1794 (Phosphate)	Reduce Boiler iron oxide build up	None	Boiler Units	2,200	
BL-1240 (Oxygen Scavenger)	Oxygen Scavenger	Erythorbic Acid	Boiler Units	1,870	
BL-1554 (Amine)	Condensate system corrosion control	Methoxypropylamine and Diethylaminoethanol	Boiler Units	1,150	
BL-129	Oxygen Scavenger	Sodium Sulfite	Boiler Units	< 300	
BL-4350 (Phosphate)	Reduce Boiler iron oxide build up	None	Boiler Units	<300	
Anhydrous Citric Acid	Cleaning Agent	None	UF Filter		
Sulfuric Acid	Neutralization Agent	Corrosive	Prior to Mixed Bed Waste Tank	Variable	96% feed rate a function of the Ph
Sodium Hydroxide	Neutralization Agent and Cleaning Agent to Reduce Fouling	Corrosive	Prior to Mixed Bed Waste Tank and in UF during Backwash	Variable	50% Sodium Hydroxide feed rate a function of Ph
Sodium Hypochlorite	Biocide	Free Chlorine	Influent to water treatment prior to UF and in Plant intake water	Variable. Depends on the Chlorine demand capacity of the river water	20% solution. UF influent at 1-2 ppm and 35-50 ppm in Backflush. Also fed through each intake at a rate of 0.1 ppm free product to control biofouling