

**METALS**  
**Hydraulically Dredged**  
**Wastewater**

Metal Testing Results					
Contaminant	Sample				
of Concern	pH	Concentrations (ug/L)	ug/L		
		Untreated	Treated	Detection limit	% removal
Arsenic	9.15	30	3.2		89.3%
Cadmium	9.15	10	0.32	U	96.8%
Chromium (hex)	9.15				
Chromium	9.15	330	13	U	96.1%
Copper	9.15	230	3.2	U	98.6%
Iron	9.15	22000	29		99.9%
Lead	9.15	590	3.2	U	99.5%
Mercury	9.15	0.72	0.0031		99.6%
Nickel	9.15	42	20	U	52.4%
Zinc	9.15	2200	6.4	U	99.7%
<b>NOTE:</b>	<b>U = undetect</b>				

**PAH's  
Hydraulic Dredged  
Wastewater**

Contaminant of Concern	Sample pH	Analyte Name	Concentrations (ug/L)		% removal
			Untreated	Treated	
2-Methylnaphthalene	9.15	2-Methylnaphthalene	2.1 U	2.1 U	
Acenaphthene	9.15	Acenaphthene	2 U	2 U	
Dibenzofuran	9.15	Dibenzofuran	5 U	5 U	
Naphthalene	9.15	Naphthalene	3 U	3 U	
Phenanthrene	9.15	Phenanthrene	0.48	0.2	58.3%
<b>NOTE:</b>	<b>U = undetect</b>				

**Chlorinated Pesticides  
Hydraulically Dredged  
Wastewater**

Contaminant of Concern	Sample pH	Analyte Name	Concentrations (ug/L)		% removal
			Untreated	Treated	
p,p'DDE	9.15	p,p'DDE	0.098	0.01	10.2%
Aldrin	9.15	Aldrin	0.098	0.01	10.2%
Chlordane, Technical	9.15	Chlordane, Technical	0.49	0.01	2.0%
Heptachlor	9.15	Heptachlor	0.098	0.01	10.2%
<b>NOTE:</b>	<b>U = undetect</b>				

**PCB Congeners  
Hydraulically Dredged  
Wastewater**

Contaminant of Concern	Sample pH	Analyte Name	Concentrations (ug/L)		% removal
			Untreated	Treated	
PCB(Aroclor-1248)	9.15	PCB(Aroclor-1248)	1.1	0.1	9.1%
PCB(Aroclor-1254)	9.15	PCB(Aroclor-1254)	0.1 U	0.1 U	
PCB Total	9.15	PCB Total			
<b>NOTE:</b>	<b>U = undetect</b>				

**Semivolatile  
Organics  
Hydraulically Dredged  
Wastewater**

Contaminant of Concern	Sample pH	Analyte Name	Concentrations (ug/L)		
			Untreated	Treated	% removal
Phenol	9.15	Phenol	5 U	5 U	
<b>NOTE:</b>	<b>U = undetect</b>				

**Volatile Organic  
Compounds  
Hydraulically Dredged  
Wastewater**

Contaminant of Concern	Sample pH	Analyte Name	Concentrations (ug/L)		% removal
			Untreated	Treated	
Benzene	9.15	Benzene	1 ug/l	1	
Ethyl Benzene	9.15	Ethyl Benzene	1 U ug/l	1 U	
Toluene	9.15	Toluene	1 U ug/l	1 U	
Xylenes (total)	9.15	Xylenes (total)	2 U ug/l	2 U	
<b>NOTE:</b>	<b>U = undetect</b>				

**Conventional/  
General Chemistry  
Hydraulically Dredged  
Wastewater**

Contaminant of Concern	Sample pH	Analyte Name	Concentrations (mg/L)		detect limit	% removal
			Untreated	Treated		
Carbon, Total Organic	9.15	Carbon, Total Organic	5.8	2	U	65.5%
BOD <sub>5</sub> (Carbonaceous)	9.15	BOD <sub>5</sub>				
Total Suspended Solids	9.15	Total Suspended Solids	210	4	U	98.1%
Cyanide	9.15	Cyanide				
Ammonia-N	9.15	Ammonia-N	72	67		6.9%
Nitrogen, Nitrate	9.15	Nitrogen, Nitrate	0.15	0.1	U	33.3%
Phosphorus, Total	9.15	Phosphorus, Total	2.3	0.03		98.7%
Oil and Grease	9.15	Oil and Grease	5 U	5 U	U	
Sulfate	9.15	Sulfate	66	54		18.2%
pH	9.15	pH	NA	NA		NA
TDS	9.15	TDS	370	430		-16.2%
<b>NOTE:</b>	<b>U = undetect</b>					