

Annual Monitoring and Pollutant Scan

Permit No. NC0021865
Outfall 001Month July
Year 2013Facility Name Town of Chadbourne WTP
Date of sampling 5-2-13
Analytical Laboratory Environment 1ORC Daniel C. Ward
Phone 910 654-3045

Parameter	Sample Type	Analytical Method	Quantitation Level	Sample Result	Units of Measurement	Number of samples
Ammonia (as N)	Composite	EPA 350.1		<0.04	mg/L	
Dissolved oxygen	Grab	SM 4500.0		9.0	"	
Nitrate/Nitrite	Composite	EPA 353.2		10.10	"	
Total Kjeldahl nitrogen	Composite	EPA 351.2		1.20	"	
Total Phosphorus	Composite	EPA 365.4		0.59	"	
Total dissolved solids	Composite	SM 2540C		225	"	
Hardness	Composite	SM 2340C		72	"	
Chlorine (total residual, TRC)	Grab	SM 4500C-6		<15	ug/L	
Oil and grease	Grab	EPA 1664A		<5.0	mg/L	
Metals (total recoverable), cyanide and total phenols						
Antimony	Composite	EPA 200.8		<3.0	ug/L	
Arsenic	Composite	SM 3113B		<5.0	"	
Beryllium	Composite	EPA 200.7		<1.0	"	
Cadmium	Composite	SM 3113B		<1.0	"	
Chromium	Composite	EPA 200.7		<5.0	"	
Copper	Composite	EPA 200.7		<10	"	
Lead	Composite	SM 3113B		<5.0	"	
Mercury	Composite	EPA 1631		<1.3		
Nickel	Composite	EPA 200.7		<10	ug/L	
Selenium	Composite	SM 3113B		<10	"	
Silver	Composite	EPA 200.7		<5.0	"	
Thallium	Composite	EPA 200.8		<1.0	"	
Zinc	Composite	SM 3111B		14	ug/L	
Cyanide	Grab	SM 4500CNE		<0.005	mg/L	
Total phenolic compounds	Grab	SM 510A+B		<2	ug/L	
Volatile organic compounds						
Acrolein	Grab	EPA 624	ug/L	<100.00	ug/L	
Acrylonitrile	Grab	"		<50.00	"	
Benzene	Grab	"		<5.00	"	
Bromoform	Grab	"		<5.00	"	
Carbon tetrachloride	Grab	"		<5.00	"	
Chlorobenzene	Grab	"		<5.00	"	
Chlorodibromomethane	Grab	"		<5.00	"	
Chloroethane	Grab	"		<10.00	"	
2-chloroethylvinyl ether	Grab	"		<5.00	"	
Chloroform	Grab	"		8.60	"	
Dichlorobromomethane	Grab	"		<5.00	"	
1,1-dichloroethane	Grab	"		<5.00	"	
1,2-dichloroethane	Grab	"		<5.00	"	
Trans-1,2-dichloroethylene	Grab	"		<5.00	"	

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Volatile organic compounds (Cont.)						
1,1-dichloroethylene	Grab	EPA624		<5.00	ug/L	
1,2-dichloropropane	Grab	11		<5.00	11	
1,3-dichloropropylene	Grab	11		<5.00	11	
Ethylbenzene	Grab	11		<5.00	11	
Methyl bromide	Grab	11		<10.00	11	
Methyl chloride	Grab	11		<10.00	11	
Methylene chloride	Grab	11		<10.00	11	
1,1,2,2-tetrachloroethane	Grab	11		<5.00	11	
Tetrachloroethylene	Grab	11		<5.00	11	
Toluene	Grab	11		<5.00	11	
1,1,1-trichloroethane	Grab	11		<5.00	11	
1,1,2-trichloroethane	Grab	11		<5.00	11	
Trichloroethylene	Grab	11		<5.00	11	
Vinyl chloride	Grab	11		<10.00	11	
Acid-extractable compounds						
P-chloro-m-creso	Grab	EPA625		<20.00	ug/L	
2-chlorophenol	Grab	11		<10.00	11	
2,4-dichlorophenol	Grab	11		<10.00	11	
2,4-dimethylphenol	Grab	11		<10.00	11	
4,6-dinitro-o-cresol	Grab	11		<50.00	11	
2,4-dinitrophenol	Grab	11		<50.00	11	
2-nitrophenol	Grab	11		<10.00	11	
4-nitrophenol	Grab	11		<50.00	11	
Pentachlorophenol	Grab	11		<50.00	11	
Phenol	Grab	EPA625		<10.00	ug/L	
2,4,6-trichlorophenol	Grab	EPA625		<10.00	11	
Base-neutral compounds						
Acenaphthene	Grab	EPA625		<10.00	ug/L	
Acenaphthylene	Grab	11		11	11	
Anthracene	Grab	11		11	11	
Benzidine	Grab	11		<100.00	11	
Benzo(a)anthracene	Grab	11		<10.00	11	
Benzo(a)pyrene	Grab	11		11	11	
3,4 benzofluoranthene	Grab	11		11	11	
Benzo(ghi)perylene	Grab	11		11	11	
Benzo(k)fluoranthene	Grab	11		11	11	
Bis (2-chloroethoxy) methane	Grab	11		11	11	
Bis (2-chloroethyl) ether	Grab	11		11	11	
Bis (2-chloroisopropyl) ether	Grab	11		11	11	
Bis (2-ethylhexyl) phthalate	Grab	11		<20.00	11	
4-bromophenyl phenyl ether	Grab	11		<10.00	11	
Butyl benzyl phthalate	Grab	11		<10.00	11	
2-chloronaphthalene	Grab	11		<10.00	11	

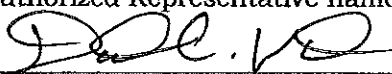
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4-chlorophenyl phenyl ether	Grab	EPA 625		<10.00	ug/L	
Base-neutral compounds (cont.)						
Chrysene	Grab	EPA 625		<10.00	ug/L	
Di-n-butyl phthalate	Grab					
Di-n-octyl phthalate	Grab					
Dibenzo(a,h)anthracene	Grab					
1,2-dichlorobenzene	Grab					
1,3-dichlorobenzene	Grab					
1,4-dichlorobenzene	Grab					
3,3-dichlorobenzidine	Grab					
Diethyl phthalate	Grab					
Dimethyl phthalate	Grab					
2,4-dinitrotoluene	Grab					
2,6-dinitrotoluene	Grab					
1,2-diphenylhydrazine	Grab					
Fluoranthene	Grab					
Fluorene	Grab					
Hexachlorobenzene	Grab					
Hexachlorobutadiene	Grab					
Hexachlorocyclo-pentadiene	Grab					
Hexachloroethane	Grab					
Indeno(1,2,3-cd)pyrene	Grab					
Isophorone	Grab					
Naphthalene	Grab					
Nitrobenzene	Grab					
N-nitrosodi-n-propylamine	Grab					
N-nitrosodimethylamine	Grab					
N-nitrosodiphenylamine	Grab					
Phenanthrene	Grab					
Pyrene	Grab					
1,2,4,-trichlorobenzene	Grab					

I certify under penalty of law that this document and all attachments were prepared under my direction and supervision in accordance with a system to design to assure that qualified perdonnel properly gather and evaluat the information submitted. Based on my inquiry of the person or persons that manage the system, or those persons directly responsibel for gathering the information, the information submitted is , to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Daniel C. Ward ORC WWTP
 Authorized Representative name

 Signature