



Water and Waste Department  
Environmental Standards Division

# WEWPCC SCHEDULE A Quarterly Monitoring Reports



**January 2015 – December 2015**

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**City Of Winnipeg  
Water Waste Department**

**West End Water Pollution Control Centre Quarterly Monitoring Report**

1st Quarter Sampling Parameter	February 9, 2015			WEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
<b>Miscellaneous</b>					
Chromium, Hexavalent	ug/L	10	10	<10	<10
Mercury (Hg)-Total	ng/L	2.0	1.0	48.0	2.0
Phenols (4AAP)	mg/L	0.0010	0.0010	0.0547	0.0012
Trihalomethanes (total)	mg/L	0.0010	0.0010	0.0027	<0.0010
Oil and Grease (I.R.)	mg/L	10	1.0	28	<1.0
Tetraethyl Lead	ug/L	0.028	0.0280	<0.028	<0.028
Tri-n-butyltin Cation	ug/L	0.069	0.054	<0.069	<0.054
pH unStabilized Trout Bioassay	Pass/Fail				pass
Hardness	mg/L				300
Alkalinity	mg/L				230
Temperature	°C				14.5
Dissolved Oxygen	mg/L				9.98
Conductivity	umhos/cm				1157
pH	units		0.10		7.61
pH Stabilized Trout Bioassay	Pass/Fail				pass
Hardness	mg/L				290
Alkalinity	mg/L				220
Temperature	°C				14.5
Dissolved Oxygen	mg/L				10.12
Conductivity	umhos/cm				1157
pH	units		0.10		7.51
Ammonia, Total (as N)	mg/L		0.10		2.62
Ammonia, Un-ionized (as N)	mg/L		0.010		0.022
Chlorine, Total	mg/L		0.10		<0.10
<b>Total Metals by ICP-MS</b>					
Arsenic (As)-Total	mg/L	0.020	0.020	<0.020	<0.020
Cadmium (Cd)-Total	mg/L	0.0010	0.0010	<0.0010	<0.0010
Chromium (Cr)-Total	mg/L	0.10	0.10	<0.10	<0.10
Copper (Cu)-Total	mg/L	0.020	0.020	0.100	<0.020
Lead (Pb)-Total	mg/L	0.0090	0.0090	<0.0090	<0.0090
Molybdenum (Mo)-Total	mg/L	0.020	0.020	<0.020	<0.020
Nickel (Ni)-Total	mg/L	0.20	0.20	<0.20	<0.20
Selenium (Se)-Total	mg/L	0.10	0.10	<0.10	<0.10
Zinc (Zn)-Total	mg/L	0.20	0.20	<0.20	<0.20
<b>Low Level Nonylphenols and Ethoxylates</b>					
Nonylphenols	ug/L	10	1.0	<10	<1.0
Nonylphenol Monoethoxylates	ug/L	20	2.0	<20	<2.0
Nonylphenol Diethoxylates	ug/L	1.0	0.10	1.3	<0.10
Octylphenol	ug/L	10	1.0	<10	<1.0
Octylphenol Monoethoxylate	ug/L	20	2.0	<20	<2.0
Octylphenol Diethoxylate	ug/L	1.0	0.10	<1.0	<0.10
Bisphenol A	ug/L	2.0	0.20	<2.0	<0.20
Total Nonylphenol Ethoxylates	ug/L	20	2.0	<20	<2.0
Total Octylphenol Ethoxylate	ug/L	20	2.0	<20	<2.0

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	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
<b>Dioxins and Furans</b>					
2378 TCDD	pg/L	0.75	0.72	<0.75	<0.72
12378 PeCDD	pg/L	0.84	0.51	<0.84	<0.51
123478 HxCDD	pg/L	0.74	0.42	<0.74	<0.42
123678 HxCDD	pg/L	0.62	0.32	<0.62	<0.32
123789 HxCDD	pg/L	0.65	0.35	<0.65	<0.35
1234678 HpCDD	pg/L	0.51	0.65	3.88	1.24
OCDD	pg/L	0.71	0.85	35.8	3.11
2378 TCDF	pg/L	0.43	0.45	<0.43	<0.45
12378 PeCDF	pg/L	0.49	0.51	<0.49	<0.51
23478 PeCDF	pg/L	0.44	0.45	<0.44	<0.45
123478 HxCDF	pg/L	0.25	0.52	<0.25	<0.52
123678 HxCDF	pg/L	0.23	0.47	<0.23	<0.47
234678 HxCDF	pg/L	0.26	0.56	<0.26	<0.56
123789 HxCDF	pg/L	0.33	0.83	<0.33	<0.83
1234678 HpCDF	pg/L	0.40	0.37	1.10	<0.37
1234789 HpCDF	pg/L	0.59	0.64	<0.59	<0.64
OCDF	pg/L	0.69	0.76	2.03	<0.76
Total TCDD	pg/L	0.75	0.72	<0.75	<0.72
Total PeCDD	pg/L	0.84	0.51	<0.84	<0.51
Total HxCDD	pg/L	0.74	0.42	<0.74	<0.42
Total HpCDD	pg/L	0.51	0.65	3.88	2.15
Total TCDF	pg/L	0.43	0.45	<0.43	<0.45
Total PeCDF	pg/L	0.49	0.51	<0.49	<0.51
Total HxCDF	pg/L	0.33	0.83	<0.33	<0.83
Total HpCDF	pg/L	0.59	0.64	1.10	<0.64
<b>Phenoxyacid Herbicides by GC/MS</b>					
2,4,5-TP	ug/L	5.0	5.0	<5.0	<5.0
MCPA	ug/L	5.0	5.0	<5.0	<5.0
Mecoprop	ug/L	5.0	5.0	<5.0	<5.0
2,4,5-T	ug/L	5.0	5.0	<5.0	<5.0
2,4-D	ug/L	5.0	5.0	<5.0	<5.0
2,4-DP	ug/L	5.0	5.0	<5.0	<5.0
Bromoxynil	ug/L	5.0	5.0	<5.0	<5.0
Dicamba	ug/L	5.0	5.0	<5.0	<5.0
Dinoseb	ug/L	5.0	5.0	<5.0	<5.0
Picloram	ug/L	5.0	5.0	<5.0	<5.0
<b>PCB</b>					
Aroclor 1016	mg/L	0.00020	0.00010	<0.00020	<0.00010
Aroclor 1221	mg/L	0.00020	0.00010	<0.00020	<0.00010
Aroclor 1232	mg/L	0.00020	0.00010	<0.00020	<0.00010
Aroclor 1242	mg/L	0.00020	0.00010	<0.00020	<0.00010
Aroclor 1248	mg/L	0.00020	0.00010	<0.00020	<0.00010
Aroclor 1254	mg/L	0.00020	0.00010	<0.00020	<0.00010
Aroclor 1260	mg/L	0.00020	0.00010	<0.00020	<0.00010
Aroclor 1262	mg/L	0.00020	0.00010	<0.00020	<0.00010
Aroclor 1268	mg/L	0.00020	0.00010	<0.00020	<0.00010
Total PCBs	mg/L	0.00060	0.00030	<0.00060	<0.00030

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	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
<b>Pesticides, Organochlorine</b>					
Aldrin	ug/L	10	10	<10	<10
a-chlordane	ug/L	10	10	<10	<10
g-chlordane	ug/L	10	10	<10	<10
alpha-BHC	ug/L	10	10	<10	<10
beta-BHC	ug/L	10	10	<10	<10
delta-BHC	ug/L	10	10	<10	<10
op-DDD	ug/L	10	10	<10	<10
pp-DDD	ug/L	10	10	<10	<10
op-DDE	ug/L	10	10	<10	<10
pp-DDE	ug/L	10	10	<10	<10
op-DDT	ug/L	10	10	<10	<10
pp-DDT	ug/L	10	10	<10	<10
Dieldrin	ug/L	10	10	<10	<10
alpha-Endosulfan	ug/L	10	10	<10	<10
beta-Endosulfan	ug/L	10	10	<10	<10
Endosulfan Sulfate	ug/L	10	10	<10	<10
Endrin	ug/L	10	10	<10	<10
Endrin Aldehyde	ug/L	10	10	<10	<10
Hexachlorobenzene	ug/L	10	10	<10	<10
Heptachlor	ug/L	10	10	<10	<10
Heptachlor Epoxide	ug/L	10	10	<10	<10
Lindane	ug/L	10	10	<10	<10
Methoxychlor	ug/L	10	10	<10	<10
Mirex	ug/L	10	10	<10	<10
Oxychlordane	ug/L	10	10	<10	<10
Octachlorostyrene	ug/L	5.0	5.0	<5.0	<5.0
Toxaphene	ug/L	10	5.0	<10	<5.0
<b>EPA 8270 Extractables</b>					
1-Chloronaphthalene	ug/L	4.0	0.40	<4.0	<0.40
1-Methylnaphthalene	ug/L	4.0	0.40	<4.0	<0.40
1,2-Dichlorobenzene	ug/L	4.0	0.40	<4.0	<0.40
1,2,3-Trichlorobenzene	ug/L	4.0	0.40	<4.0	<0.40
1,2,4-Trichlorobenzene	ug/L	4.0	0.40	<4.0	<0.40
1,3-Dichlorobenzene	ug/L	4.0	0.40	<4.0	<0.40
1,4-Dichlorobenzene	ug/L	4.0	0.40	<4.0	<0.40
2-Chloronaphthalene	ug/L	4.0	0.40	<4.0	<0.40
2-Chlorophenol	ug/L	3.0	0.30	<3.0	<0.30
2-Methylnaphthalene	ug/L	4.0	0.40	<4.0	<0.40
2-Methylphenol	ug/L	5.0	0.50	<5.0	<0.50
2-Nitrophenol	ug/L	5.0	0.50	<5.0	<0.50
2,3,4-Trichlorophenol	ug/L	5.0	0.50	<5.0	<0.50
2,3,4,5-Tetrachlorophenol	ug/L	20.0	0.50	<20	<0.50
2,3,4,6-Tetrachlorophenol	ug/L	20.0	0.50	<20	<0.50
2,3,5-Trichlorophenol	ug/L	5.0	0.50	<5.0	<0.50
2,3,5,6-Tetrachlorophenol	ug/L	20.0	0.50	<20	<0.50
2,4-Dichlorophenol	ug/L	3.0	0.30	<3.0	<0.30
2,4-Dimethylphenol	ug/L	5.0	0.50	<5.0	<0.50
2,4-Dinitrophenol	ug/L	60	1.0	<60	<1.0
2,4-Dinitrotoluene	ug/L	4.0	0.40	<4.0	<0.40
2,4,5-Trichlorophenol	ug/L	5.0	0.50	<5.0	<0.50
2,4,6-Trichlorophenol	ug/L	5.0	0.50	<5.0	<0.50

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2,6-Dichlorophenol	ug/L	5.0	0.50	<5.0	<0.50
2,6-Dinitrotoluene	ug/L	4.0	0.40	<4.0	<0.40
3,3'-Dichlorobenzidine	ug/L	4.0	0.40	<4.0	<0.40
3&4-Methylphenol	ug/L	50	0.50	177	<0.50
4-Bromophenyl phenyl ether	ug/L	4.0	0.40	<4.0	<0.40
4-Chloro-3-methylphenol	ug/L	5.0	0.50	<5.0	<0.50
4-Chloroaniline	ug/L	4.0	0.40	<4.0	<0.40
4-Chlorophenyl phenyl ether	ug/L	4.0	0.40	<4.0	<0.40
4-Nitrophenol	ug/L	5.0	0.50	<5.0	<0.50
4,6-Dinitro-2-methylphenol	ug/L	50	2.0	<50	<2.0
5-Nitroacenaphthene	ug/L	4.0	0.40	<4.0	<0.40
Acenaphthene	ug/L	2.0	0.20	<2.0	<0.20
Acenaphthylene	ug/L	2.0	0.20	<2.0	<0.20
Anthracene	ug/L	2.0	0.20	<2.0	<0.20
Benzo(a)anthracene	ug/L	2.0	0.20	<2.0	<0.20
Benzo(a)pyrene	ug/L	0.50	0.050	<0.50	<0.050
Benzo(b)fluoranthene	ug/L	2.0	0.20	<2.0	<0.20
Benzo(ghi)perylene	ug/L	2.0	0.20	<2.0	<0.20
Benzo(k)fluoranthene	ug/L	2.0	0.20	<2.0	<0.20
Biphenyl	ug/L	4.0	0.40	<4.0	<0.40
Bis(2-chloroethoxy)methane	ug/L	4.0	0.40	<4.0	<0.40
Bis(2-chloroethyl)ether	ug/L	4.0	0.40	<4.0	<0.40
Bis(2-chloroisopropyl)ether	ug/L	4.0	0.40	<4.0	<0.40
Bis(2-ethylhexyl)phthalate	ug/L	20	2.0	<20	<2.0
Butylbenzyl phthalate	ug/L	4.0	0.40	7.8	<0.40
Camphene	ug/L	4.0	0.40	<4.0	<0.40
Chrysene	ug/L	2.0	0.20	<2.0	<0.20
Cresols, Total	ug/L	55	1.0	177	<1.0
Di-n-butylphthalate	ug/L	20	2.0	<20	<2.0
Di-n-octylphthalate	ug/L	4.0	0.40	<4.0	<0.40
Dibenzo(a,h)anthracene	ug/L	2.0	0.20	<2.0	<0.20
Dibenzofuran	ug/L	2.0	0.20	<2.0	<0.20
Diethylphthalate	ug/L	2.0	0.20	3.0	<0.20
Dimethylphthalate	ug/L	2.0	0.20	<2.0	<0.20
Diphenyl ether	ug/L	4.0	0.40	<4.0	<0.40
Diphenylamine	ug/L	4.0	0.40	<4.0	<0.40
Fluoranthene	ug/L	2.0	0.20	<2.0	<0.20
Fluorene	ug/L	2.0	0.20	<2.0	<0.20
Hexachlorobenzene	ug/L	0.40	0.040	<0.40	<0.040
Hexachlorobutadiene	ug/L	2.0	0.20	<2.0	<0.20
Hexachlorocyclopentadiene	ug/L	4.0	0.40	<4.0	<0.40
Hexachloroethane	ug/L	4.0	0.40	<4.0	<0.40
Indeno(1,2,3-cd)pyrene	ug/L	2.0	0.20	<2.0	<0.20
Indole	ug/L	4.0	0.40	27.6	<0.40
Isophorone	ug/L	4.0	0.40	<4.0	<0.40
N-Nitroso-di-n-propylamine	ug/L	4.0	0.40	<4.0	<0.40
Naphthalene	ug/L	2.0	0.20	<2.0	<0.20
Nitrobenzene	ug/L	4.0	0.40	<4.0	<0.40
Pentachlorophenol	ug/L	40	0.50	<40	<0.50
Perylene	ug/L	2.0	0.20	<2.0	<0.20
Phenanthrene	ug/L	2.0	0.20	<2.0	<0.20
Phenol	ug/L	5.0	0.50	33.5	<0.50
Pyrene	ug/L	2.0	0.20	<2.0	<0.20

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	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
<b>Volatile Organics plus F1</b>					
Acetone	mg/L	0.020	0.020	0.032	<0.020
Benzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Bromobenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Bromochloromethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
Bromodichloromethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
Bromoform	mg/L	0.00050	0.00050	<0.00050	<0.00050
Bromomethane	mg/L	0.0010	0.0010	<0.0010	<0.0010
n-Butylbenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
sec-Butylbenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
tert-Butylbenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Carbon Disulfide	mg/L	0.00050	0.00050	0.00055	<0.00050
Carbon tetrachloride	mg/L	0.00050	0.00050	<0.00050	<0.00050
Chlorobenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Chloroethane	mg/L	0.0010	0.0010	<0.0010	<0.0010
Chloroform	mg/L	0.00050	0.00050	0.00269	0.00056
Chloromethane	mg/L	0.0010	0.0010	<0.0010	<0.0010
2-Chlorotoluene	mg/L	0.020	0.020	<0.020	<0.020
4-Chlorotoluene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Dibromochloromethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,2-Dibromo-3-chloropropane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,2-Dibromoethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
Dibromomethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,2-Dichlorobenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,3-Dichlorobenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,4-Dichlorobenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Dichlorodifluoromethane	mg/L	0.0010	0.0010	<0.0010	<0.0010
1,1-Dichloroethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,2-Dichloroethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,1-Dichloroethene	mg/L	0.00050	0.00050	<0.00050	<0.00050
cis-1,2-Dichloroethene	mg/L	0.00050	0.00050	<0.00050	<0.00050
trans-1,2-Dichloroethene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Dichloromethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,2-Dichloropropane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,3-Dichloropropane	mg/L	0.00050	0.00050	<0.00050	<0.00050
2,2-Dichloropropane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,1-Dichloropropene	mg/L	0.00050	0.00050	<0.00050	<0.00050
cis-1,3-Dichloropropene	mg/L	0.00050	0.00050	<0.00050	<0.00050
trans-1,3-Dichloropropene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Dinitropyrene	mg/L	na	na	na	na
Ethyl Benzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
F1	mg/L	0.10	0.10	<0.10	<0.10
Hexachlorobutadiene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Hexane	mg/L	0.00050	0.00050	<0.00050	<0.00050
2-Hexanone	mg/L	0.020	0.020	<0.020	<0.020
Isopropylbenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
4-Isopropyltoluene	mg/L	0.00050	0.00050	<0.00050	<0.00050
MEK	mg/L	0.020	0.020	<0.020	<0.020
MIBK	mg/L	0.020	0.020	<0.020	<0.020
MTBE	mg/L	0.00050	0.00050	<0.00050	<0.00050
4,4'-Methylenebis(2-chloroaniline)	mg/L	na	na	na	na
Naphthalene	mg/L	0.00050	0.00050	<0.00050	<0.00050

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	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Styrene	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,1,1,2-Tetrachloroethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,1,2,2-Tetrachloroethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
Tetrachloroethene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Toluene	mg/L	0.00050	0.00050	0.00323	<0.00050
1,2,3-Trichlorobenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,2,4-Trichlorobenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,1,1-Trichloroethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,1,2-Trichloroethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
Trichloroethene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Trichlorofluoromethane	mg/L	0.0010	0.0010	<0.0010	<0.0010
1,2,3-Trichloropropane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,2,4-Trimethylbenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,3,5-Trimethylbenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Vinyl chloride	mg/L	0.00050	0.00050	<0.00050	<0.00050
m+p-Xylenes	mg/L	0.00050	0.00050	<0.00050	<0.00050
o-Xylene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Xylenes (Total)	mg/L	0.0015	0.0015	<0.0015	<0.0015

**NOTES:**

MDL- Method detection limit

mg/L- milligrams/Litre

ug/L- micrograms/Litre

ng/L- nanograms/Litre

pg/L- picograms/Litre

°C - degrees Celsius

umhos/cm - microohms<sup>-1</sup>/centimeter

<- less than

na - not analyzed due to contract lab error

*All parameters were analyzed by contract laboratory.*

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2nd Quarter Sampling Parameter	May 26, 2015			WEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
<b>Miscellaneous</b>					
Chromium, Hexavalent	ug/L	1.0	1.0	1.1	<1.0
Mercury (Hg)-Total	ng/L	1.0	1.0	99.1	5.1
Phenols (4AAP)	mg/L	0.0010	0.0010	0.0374	<0.0010
Trihalomethanes (total)	mg/L	0.0010	0.0010	0.0027	<0.0010
Oil and Grease (I.R.)	mg/L	1.0	1.0	5.9	<1.0
Tetraethyl Lead	ug/L	0.070	0.0070	<0.070	<0.0070
Tri-n-butyltin Cation	ug/L	0.050	0.050	<0.050	<0.050
pH unStabilized Trout Bioassay	Pass/Fail				pass
Hardness	mg/L				nr
Alkalinity	mg/L				nr
Temperature	°C				16.1
Dissolved Oxygen	mg/L				10.8
Conductivity	umhos/cm				618
pH	units				9.0
pH Stabilized Trout Bioassay	Pass/Fail				pass
Hardness	mg/L				180
Alkalinity	mg/L				144
Temperature	°C				15.0
Dissolved Oxygen	mg/L				10.4
Conductivity	umhos/cm				598
pH	units				8.60
Ammonia, Total (as N)	mg/L				0.19
Ammonia, Un-ionized (as N)	mg/L				0.02
Chlorine, Total	mg/L				0.08
<b>Total Metals by ICP-MS</b>					
Arsenic (As)-Total	mg/L	0.0020	0.0020	<0.0020	<0.0020
Cadmium (Cd)-Total	mg/L	0.00010	0.00010	0.00013	<0.00010
Chromium (Cr)-Total	mg/L	0.010	0.010	<0.010	<0.010
Copper (Cu)-Total	mg/L	0.0020	0.0020	0.0886	0.0081
Lead (Pb)-Total	mg/L	0.00090	0.00090	0.00269	0.00104
Molybdenum (Mo)-Total	mg/L	0.0020	0.0020	0.0039	0.0095
Nickel (Ni)-Total	mg/L	0.020	0.020	<0.020	<0.020
Selenium (Se)-Total	mg/L	0.010	0.010	<0.010	<0.010
Zinc (Zn)-Total	mg/L	0.020	0.020	0.108	0.030
<b>Low Level Nonylphenols and Ethoxylates</b>					
Nonylphenols	ug/L	1.0	1.0	1.1	<1.0
Nonylphenol Monoethoxylates	ug/L	2.0	2.0	<2.0	<2.0
Nonylphenol Diethoxylates	ug/L	0.10	0.10	2.3	<0.10
Octylphenol	ug/L	1.0	1.0	<1.0	<1.0
Octylphenol Monoethoxylate	ug/L	2.0	2.0	<2.0	<2.0
Octylphenol Diethoxylate	ug/L	0.10	0.10	<0.10	<0.10
Bisphenol A	ug/L	0.20	0.20	<0.20	<0.20
Total Nonylphenol Ethoxylates	ug/L	2.0	2.0	3.6	<2.0
Total Octylphenol Ethoxylate	ug/L	2.0	2.0	<2.0	<2.0



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	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
<b>Dioxins and Furans</b>					
2378 TCDD	pg/L	0.25	0.24	<0.25	<0.24
12378 PeCDD	pg/L	0.54	0.31	<0.54	<0.31
123478 HxCDD	pg/L	0.52	0.48	<0.52	<0.48
123678 HxCDD	pg/L	0.44	0.41	<0.44	<0.41
123789 HxCDD	pg/L	0.47	0.43	<0.47	<0.43
1234678 HpCDD	pg/L	0.30	0.16	2.70	1.30
OCDD	pg/L	0.69	0.41	41.0	6.91
2378 TCDF	pg/L	0.28	0.23	<0.28	<0.23
12378 PeCDF	pg/L	0.27	0.24	<0.27	0.29
23478 PeCDF	pg/L	0.22	0.21	<0.22	0.28
123478 HxCDF	pg/L	0.88	0.12	<0.88	<0.12
123678 HxCDF	pg/L	0.79	0.11	<0.79	<0.11
234678 HxCDF	pg/L	1.2	0.12	<1.2	<0.12
123789 HxCDF	pg/L	0.89	0.13	<0.89	0.18
1234678 HpCDF	pg/L	0.39	0.15	0.94	0.26
1234789 HpCDF	pg/L	0.49	0.19	<0.49	<0.19
OCDF	pg/L	0.18	0.38	2.49	0.70
Total TCDD	pg/L	0.25	0.24	<0.25	0.74
Total PeCDD	pg/L	0.54	0.31	<0.54	<0.31
Total HxCDD	pg/L	0.52	0.48	<0.52	<0.48
Total HpCDD	pg/L	0.30	0.16	2.99	<0.16
Total TCDF	pg/L	0.28	0.23	<0.28	<0.23
Total PeCDF	pg/L	0.27	0.24	<0.27	<0.24
Total HxCDF	pg/L	1.2	0.13	<1.2	<0.13
Total HpCDF	pg/L	0.49	0.19	<0.49	0.26
<b>Phenoxyacid Herbicides by GC/MS</b>					
2,4,5-TP	ug/L	5.0	0.50	<5.0	<0.50
MCPA	ug/L	5.0	0.50	<5.0	<0.50
Mecoprop	ug/L	5.0	0.50	<5.0	<0.50
2,4,5-T	ug/L	5.0	0.50	<5.0	<0.50
2,4-D	ug/L	5.0	0.50	<5.0	<0.50
2,4-DP	ug/L	5.0	0.50	<5.0	<0.50
Bromoxynil	ug/L	5.0	0.50	<5.0	<0.50
Dicamba	ug/L	5.0	0.50	<5.0	<0.50
Dinoseb	ug/L	5.0	0.50	<5.0	<0.50
Picloram	ug/L	5.0	0.50	<5.0	<0.50
<b>PCB</b>					
Aroclor 1016	mg/L	0.00010	0.000050	<0.00010	<0.000050
Aroclor 1221	mg/L	0.00010	0.000050	<0.00010	<0.000050
Aroclor 1232	mg/L	0.00010	0.000050	<0.00010	<0.000050
Aroclor 1242	mg/L	0.00010	0.000050	<0.00010	<0.000050
Aroclor 1248	mg/L	0.00010	0.000050	<0.00010	<0.000050
Aroclor 1254	mg/L	0.00010	0.000050	<0.00010	<0.000050
Aroclor 1260	mg/L	0.00010	0.000050	<0.00010	<0.000050
Aroclor 1262	mg/L	0.00010	0.000050	<0.00010	<0.000050
Aroclor 1268	mg/L	0.00010	0.000050	<0.00010	<0.000050
Total PCBs	mg/L	0.00030	0.00015	<0.00030	<0.00015

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	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
<b>Pesticides, Organochlorine</b>					
Aldrin	ug/L	1.0	0.10	<1.0	<0.10
a-chlordane	ug/L	1.0	0.10	<1.0	<0.10
g-chlordane	ug/L	1.0	0.10	<1.0	<0.10
alpha-BHC	ug/L	1.0	0.10	<1.0	<0.10
beta-BHC	ug/L	1.0	0.10	<1.0	<0.10
delta-BHC	ug/L	1.0	0.10	<1.0	<0.10
op-DDD	ug/L	1.0	0.10	<1.0	<0.10
pp-DDD	ug/L	1.0	0.10	<1.0	<0.10
op-DDE	ug/L	3.0	0.10	<3.0	<0.10
pp-DDE	ug/L	1.0	0.10	<1.0	<0.10
op-DDT	ug/L	1.0	0.10	<1.0	<0.10
pp-DDT	ug/L	1.0	0.10	<1.0	<0.10
Dieldrin	ug/L	3.0	0.18	<3.0	<0.18
alpha-Endosulfan	ug/L	3.0	0.10	<3.0	<0.10
beta-Endosulfan	ug/L	1.0	0.10	<1.0	<0.10
Endosulfan Sulfate	ug/L	1.0	0.10	<1.0	<0.10
Endrin	ug/L	1.0	0.10	<1.0	<0.10
Endrin Aldehyde	ug/L	1.0	0.10	<1.0	<0.10
Hexachlorobenzene	ug/L	1.0	0.10	<1.0	<0.10
Heptachlor	ug/L	1.0	0.10	<1.0	<0.10
Heptachlor Epoxide	ug/L	1.0	0.10	<1.0	<0.10
Lindane	ug/L	1.0	0.10	<1.0	<0.10
Methoxychlor	ug/L	1.0	0.10	<1.0	<0.10
Mirex	ug/L	1.0	0.10	<1.0	<0.10
Oxychlordane	ug/L	1.5	0.10	<1.5	<0.10
Octachlorostyrene	ug/L	0.50	0.050	<0.50	<0.050
Toxaphene	ug/L	4.5	2.0	<4.5	<2.0
<b>EPA 8270 Extractables</b>					
1-Chloronaphthalene	ug/L	4.0	0.40	<4.0	<0.40
1-Methylnaphthalene	ug/L	4.0	0.40	<4.0	<0.40
1,2-Dichlorobenzene	ug/L	4.0	0.40	<4.0	<0.40
1,2,3-Trichlorobenzene	ug/L	4.0	0.40	<4.0	<0.40
1,2,4-Trichlorobenzene	ug/L	4.0	0.40	<4.0	<0.40
1,3-Dichlorobenzene	ug/L	4.0	0.40	<4.0	<0.40
1,4-Dichlorobenzene	ug/L	4.0	0.40	<4.0	<0.40
2-Chloronaphthalene	ug/L	4.0	0.40	<4.0	<0.40
2-Chlorophenol	ug/L	3.0	0.30	<3.0	<0.30
2-Methylnaphthalene	ug/L	4.0	0.40	<4.0	<0.40
2-Methylphenol	ug/L	5.0	0.50	<5.0	<0.50
2-Nitrophenol	ug/L	5.0	0.50	<5.0	<0.50
2,3,4-Trichlorophenol	ug/L	5.0	0.50	<5.0	<0.50
2,3,4,5-Tetrachlorophenol	ug/L	5.0	0.50	<5.0	<0.50
2,3,4,6-Tetrachlorophenol	ug/L	5.0	0.50	<5.0	<0.50
2,3,5-Trichlorophenol	ug/L	5.0	0.50	<5.0	<0.50
2,3,5,6-Tetrachlorophenol	ug/L	5.0	0.50	<5.0	<0.50
2,4-Dichlorophenol	ug/L	3.0	0.30	<3.0	<0.30
2,4-Dimethylphenol	ug/L	5.0	0.50	<5.0	<0.50
2,4-Dinitrophenol	ug/L	20	2.0	<20	<2.0
2,4-Dinitrotoluene	ug/L	4.0	0.40	<4.0	<0.40
2,4,5-Trichlorophenol	ug/L	5.0	0.50	<5.0	<0.50
2,4,6-Trichlorophenol	ug/L	5.0	0.50	<5.0	<0.50

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	Units	MDL-Raw	MDL-Final	Raw Sewage	Final Effluent
				Grab	Grab
2,6-Dichlorophenol	ug/L	5.0	0.50	<5.0	<0.50
2,6-Dinitrotoluene	ug/L	4.0	0.40	<4.0	<0.40
3,3'-Dichlorobenzidine	ug/L	4.0	0.40	<4.0	<0.40
3&4-Methylphenol	ug/L	50	0.50	153	<0.50
4-Bromophenyl phenyl ether	ug/L	4.0	0.40	<4.0	<0.40
4-Chloro-3-methylphenol	ug/L	5.0	0.50	<5.0	<0.50
4-Chloroaniline	ug/L	4.0	0.40	<4.0	<0.40
4-Chlorophenyl phenyl ether	ug/L	4.0	0.40	<4.0	<0.40
4-Nitrophenol	ug/L	5.0	0.50	<5.0	<0.50
4,6-Dinitro-2-methylphenol	ug/L	20	2.0	<20	<2.0
5-Nitroacenaphthene	ug/L	4.0	0.40	<4.0	<0.40
Acenaphthene	ug/L	2.0	0.20	<2.0	<0.20
Acenaphthylene	ug/L	2.0	0.20	<2.0	<0.20
Anthracene	ug/L	2.0	0.20	<2.0	<0.20
Benzo(a)anthracene	ug/L	2.0	0.20	<2.0	<0.20
Benzo(a)pyrene	ug/L	0.50	0.05	<0.50	<0.050
Benzo(b)fluoranthene	ug/L	2.0	0.20	<2.0	<0.20
Benzo(ghi)perylene	ug/L	2.0	0.20	<2.0	<0.20
Benzo(k)fluoranthene	ug/L	2.0	0.20	<2.0	<0.20
Biphenyl	ug/L	4.0	0.40	<4.0	<0.40
Bis(2-chloroethoxy)methane	ug/L	4.0	0.40	<4.0	<0.40
Bis(2-chloroethyl)ether	ug/L	4.0	0.40	<4.0	<0.40
Bis(2-chloroisopropyl)ether	ug/L	4.0	0.40	<4.0	<0.40
Bis(2-ethylhexyl)phthalate	ug/L	20	2.0	<20	<2.0
Butylbenzyl phthalate	ug/L	4.0	0.40	<4.0	<0.40
Camphene	ug/L	4.0	0.40	<4.0	<0.40
Chrysene	ug/L	2.0	0.20	<2.0	<0.20
Cresols, Total	ug/L	55	1.0	153	<1.0
Di-n-butylphthalate	ug/L	20	2.0	<20	<2.0
Di-n-octylphthalate	ug/L	4.0	0.40	<4.0	<0.40
Dibenzo(a,h)anthracene	ug/L	2.0	0.20	<2.0	<0.20
Dibenzofuran	ug/L	2.0	0.20	<2.0	<0.20
Diethylphthalate	ug/L	2.0	0.20	3.0	<0.20
Dimethylphthalate	ug/L	2.0	0.20	<2.0	<0.20
Diphenyl ether	ug/L	4.0	0.40	<4.0	<0.40
Diphenylamine	ug/L	4.0	0.40	<4.0	<0.40
Fluoranthene	ug/L	2.0	0.20	<2.0	<0.20
Fluorene	ug/L	2.0	0.20	<2.0	<0.20
Hexachlorobenzene	ug/L	0.40	0.040	<0.40	<0.040
Hexachlorobutadiene	ug/L	2.0	0.20	<2.0	<0.20
Hexachlorocyclopentadiene	ug/L	4.0	0.40	<4.0	<0.40
Hexachloroethane	ug/L	4.0	0.40	<4.0	<0.40
Indeno(1,2,3-cd)pyrene	ug/L	2.0	0.20	<2.0	<0.20
Indole	ug/L	30.0	0.40	33.5	<0.40
Isophorone	ug/L	4.0	0.40	<4.0	<0.40
N-Nitroso-di-n-propylamine	ug/L	4.0	0.40	<4.0	<0.40
Naphthalene	ug/L	2.0	0.20	<2.0	<0.20
Nitrobenzene	ug/L	4.0	0.40	<4.0	<0.40
Pentachlorophenol	ug/L	5	0.50	<5.0	<0.50
Perylene	ug/L	2.0	0.20	<2.0	<0.20
Phenanthrene	ug/L	2.0	0.20	<2.0	<0.20
Phenol	ug/L	5.0	0.50	22.1	<0.50
Pyrene	ug/L	2.0	0.20	<2.0	<0.20

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<b>Volatile Organics plus F1</b>					
Acetone	mg/L	0.020	0.020	0.024	<0.020
Benzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Bromobenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Bromochloromethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
Bromodichloromethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
Bromoform	mg/L	0.00050	0.00050	<0.00050	<0.00050
Bromomethane	mg/L	0.0010	0.0010	<0.0010	<0.0010
n-Butylbenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
sec-Butylbenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
tert-Butylbenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Carbon Disulfide	mg/L	0.00050	0.00050	<0.00050	<0.00050
Carbon tetrachloride	mg/L	0.00050	0.00050	<0.00050	<0.00050
Chlorobenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Chloroethane	mg/L	0.0010	0.0010	<0.0010	<0.0010
Chloroform	mg/L	0.00050	0.00050	0.00267	<0.00050
Chloromethane	mg/L	0.0010	0.0010	<0.0010	<0.0010
2-Chlorotoluene	mg/L	0.020	0.020	<0.020	<0.020
4-Chlorotoluene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Dibromochloromethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,2-Dibromo-3-chloropropane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,2-Dibromoethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
Dibromomethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,2-Dichlorobenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,3-Dichlorobenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,4-Dichlorobenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Dichlorodifluoromethane	mg/L	0.0010	0.0010	<0.0010	<0.0010
1,1-Dichloroethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,2-Dichloroethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,1-Dichloroethene	mg/L	0.00050	0.00050	<0.00050	<0.00050
cis-1,2-Dichloroethene	mg/L	0.00050	0.00050	<0.00050	<0.00050
trans-1,2-Dichloroethene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Dichloromethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,2-Dichloropropane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,3-Dichloropropane	mg/L	0.00050	0.00050	<0.00050	<0.00050
2,2-Dichloropropane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,1-Dichloropropene	mg/L	0.00050	0.00050	<0.00050	<0.00050
cis-1,3-Dichloropropene	mg/L	0.00050	0.00050	<0.00050	<0.00050
trans-1,3-Dichloropropene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Dinitropyrene	mg/L	na	na	na	na
Ethyl Benzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
F1	mg/L	0.10	0.10	<0.10	<0.10
Hexachlorobutadiene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Hexane	mg/L	0.00050	0.00050	<0.00050	<0.00050
2-Hexanone	mg/L	0.020	0.020	<0.020	<0.020
Isopropylbenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
4-Isopropyltoluene	mg/L	0.00050	0.00050	<0.00050	<0.00050
MEK	mg/L	0.020	0.020	<0.020	<0.020
MIBK	mg/L	0.020	0.020	<0.020	<0.020
MTBE	mg/L	0.00050	0.00050	<0.00050	<0.00050
4,4'-Methylenebis(2-chloroaniline)	mg/L	na	na	na	na
Naphthalene	mg/L	0.00050	0.00050	<0.00050	<0.00050

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	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Styrene	mg/L	0.00050	0.00050	0.00076	<0.00050
1,1,1,2-Tetrachloroethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,1,2,2-Tetrachloroethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
Tetrachloroethene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Toluene	mg/L	0.00050	0.00050	0.00145	<0.00050
1,2,3-Trichlorobenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,2,4-Trichlorobenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,1,1-Trichloroethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,1,2-Trichloroethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
Trichloroethene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Trichlorofluoromethane	mg/L	0.0010	0.0010	<0.0010	<0.0010
1,2,3-Trichloropropane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,2,4-Trimethylbenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,3,5-Trimethylbenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Vinyl chloride	mg/L	0.00050	0.00050	<0.00050	<0.00050
m+p-Xylenes	mg/L	0.00050	0.00050	<0.00050	<0.00050
o-Xylene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Xylenes (Total)	mg/L	0.0015	0.0015	<0.0015	<0.0015

**NOTES:**

MDL- Method detection limit

mg/L- milligrams/Litre

ug/L- micrograms/Litre

ng/L- nanograms/Litre

pg/L- picograms/Litre

°C - degrees Celsius

umhos/cm - microohms<sup>-1</sup>/centimeter

<- less than

na - not analyzed due to contract lab error

nr - no result provided by contract lab

*All parameters were analyzed by contract laboratory.*

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3rd Quarter Sampling Parameter	September 2, 2015			WEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
<b>Miscellaneous</b>					
Chromium, Hexavalent	ug/L	1.0	1.0	<1.0	<1.0
Mercury (Hg)-Total	ng/L	1.0	1.0	56.9	3.4
Phenols (4AAP)	mg/L	0.0010	0.0010	0.0401	0.0017
Trihalomethanes (total)	mg/L	0.0010	0.0010	0.0031	<0.0010
Oil and Grease (I.R.)	mg/L	5.0	5.0	25.8	<5.0
Tetraethyl Lead	ug/L	0.070	0.0070	<0.070	<0.0070
Tri-n-butyltin Cation	ug/L	0.050	0.055	<0.050	<0.055
pH unStabilized Trout Bioassay	Pass/Fail				pass
Hardness	mg/L				350
Alkalinity	mg/L				190
Temperature	°C				14.5
Dissolved Oxygen	mg/L				8.24
Conductivity	umhos/cm				1479
pH	units		0.10		9.17
pH Stabilized Trout Bioassay	Pass/Fail				pass
Hardness	mg/L				360
Alkalinity	mg/L				180
Temperature	°C				14.5
Dissolved Oxygen	mg/L				8.56
Conductivity	umhos/cm				1524
pH	units		0.10		9.07
Ammonia, Total (as N)	mg/L		0.010		0.183
Ammonia, Un-ionized (as N)	mg/L		0.010		0.043
Chlorine, Total	mg/L		0.10		<0.10
<b>Total Metals by ICP-MS</b>					
Arsenic (As)-Total	mg/L	0.00020	0.00020	0.00089	0.00167
Cadmium (Cd)-Total	mg/L	0.000010	0.000010	0.000056	0.000011
Chromium (Cr)-Total	mg/L	0.0010	0.0010	0.0012	<0.0010
Copper (Cu)-Total	mg/L	0.00020	0.00020	0.0399	0.00376
Lead (Pb)-Total	mg/L	0.000090	0.000090	0.00113	0.000284
Molybdenum (Mo)-Total	mg/L	0.00020	0.00020	0.00189	0.00386
Nickel (Ni)-Total	mg/L	0.0020	0.0020	0.0038	0.0033
Selenium (Se)-Total	mg/L	0.0010	0.0010	<0.0010	<0.0010
Zinc (Zn)-Total	mg/L	0.0020	0.0020	0.058	0.0029
<b>Low Level Nonylphenols and Ethoxylates</b>					
Nonylphenols	ug/L	10	1.0	<10	<1.0
Nonylphenol Monoethoxylates	ug/L	20	2.0	<20	<2.0
Nonylphenol Diethoxylates	ug/L	1.0	0.10	<1.0	<0.10
Octylphenol	ug/L	10	1.0	<10	<1.0
Octylphenol Monoethoxylate	ug/L	20	2.0	<20	<2.0
Octylphenol Diethoxylate	ug/L	1.0	0.10	<1.0	<0.10
Bisphenol A	ug/L	2.0	0.20	<2.0	<0.20
Total Nonylphenol Ethoxylates	ug/L	20	2.0	<20	<2.0
Total Octylphenol Ethoxylate	ug/L	20	2.0	<20	<2.0

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	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
<b>Dioxins and Furans</b>					
2378 TCDD	pg/L	0.48	2.0	<0.48	<2.0
12378 PeCDD	pg/L	0.30	1.2	<0.30	<1.2
123478 HxCDD	pg/L	0.31	0.83	<0.31	<0.83
123678 HxCDD	pg/L	0.30	0.82	<0.30	<0.82
123789 HxCDD	pg/L	0.30	0.81	<0.30	<0.81
1234678 HpCDD	pg/L	0.28	0.78	3.96	<0.78
OCDD	pg/L	0.35	0.61	35.2	4.30
2378 TCDF	pg/L	0.43	1.6	<0.43	<1.6
12378 PeCDF	pg/L	0.25	1.1	<0.25	<1.1
23478 PeCDF	pg/L	0.22	0.92	<0.22	<0.92
123478 HxCDF	pg/L	0.28	0.58	<0.28	<0.58
123678 HxCDF	pg/L	0.23	0.48	<0.23	<0.48
234678 HxCDF	pg/L	0.31	0.55	<0.31	<0.55
123789 HxCDF	pg/L	0.35	0.70	0.56	<0.70
1234678 HpCDF	pg/L	0.28	0.67	0.78	<0.67
1234789 HpCDF	pg/L	0.43	0.93	<0.43	<0.93
OCDF	pg/L	0.28	0.67	0.81	<0.67
Total TCDD	pg/L	0.48	2.0	<0.48	<2.0
Total PeCDD	pg/L	0.30	1.2	<0.30	<1.2
Total HxCDD	pg/L	0.31	0.83	<0.31	<0.83
Total HpCDD	pg/L	0.28	0.78	7.33	<0.78
Total TCDF	pg/L	0.43	1.6	<0.43	<1.6
Total PeCDF	pg/L	0.25	1.1	<0.25	<1.1
Total HxCDF	pg/L	0.35	0.70	0.94	<0.70
Total HpCDF	pg/L	0.43	0.93	0.84	<0.93
<b>Phenoxyacid Herbicides by GC/MS</b>					
2,4,5-TP	ug/L	2.5	0.50	<2.5	<0.50
MCPA	ug/L	2.5	0.50	<2.5	<0.50
Mecoprop	ug/L	2.5	0.50	<2.5	<0.50
2,4,5-T	ug/L	2.5	0.50	<2.5	<0.50
2,4-D	ug/L	2.5	0.50	<2.5	<0.50
2,4-DP	ug/L	2.5	0.50	<2.5	<0.50
Bromoxynil	ug/L	2.5	0.50	<2.5	<0.50
Dicamba	ug/L	2.5	0.50	<2.5	<0.50
Dinoseb	ug/L	2.5	0.50	<2.5	<0.50
Picloram	ug/L	2.5	0.50	<2.5	<0.50
<b>PCB</b>					
Aroclor 1016	mg/L	0.00010	0.00010	<0.00010	<0.00010
Aroclor 1221	mg/L	0.00010	0.00010	<0.00010	<0.00010
Aroclor 1232	mg/L	0.00010	0.00010	<0.00010	<0.00010
Aroclor 1242	mg/L	0.00010	0.00010	<0.00010	<0.00010
Aroclor 1248	mg/L	0.00010	0.00010	<0.00010	<0.00010
Aroclor 1254	mg/L	0.00010	0.00010	<0.00010	<0.00010
Aroclor 1260	mg/L	0.00010	0.00010	<0.00010	<0.00010
Aroclor 1262	mg/L	0.00010	0.00010	<0.00010	<0.00010
Aroclor 1268	mg/L	0.00010	0.00010	<0.00010	<0.00010
Total PCBs	mg/L	0.00030	0.00030	<0.00030	<0.00030

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	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
<b>Pesticides, Organochlorine</b>					
Aldrin	ug/L	5.0	1.0	<5.0	<1.0
a-chlordane	ug/L	5.0	1.0	<5.0	<1.0
g-chlordane	ug/L	5.0	1.0	<5.0	<1.0
alpha-BHC	ug/L	5.0	1.0	<5.0	<1.0
beta-BHC	ug/L	5.0	1.0	<5.0	<1.0
delta-BHC	ug/L	5.0	1.0	<5.0	<1.0
op-DDD	ug/L	5.0	1.0	<5.0	<1.0
pp-DDD	ug/L	5.0	1.0	<5.0	<1.0
op-DDE	ug/L	5.0	1.0	<5.0	<1.0
pp-DDE	ug/L	5.0	1.0	<5.0	<1.0
op-DDT	ug/L	5.0	1.0	<5.0	<1.0
pp-DDT	ug/L	5.0	1.0	<5.0	<1.0
Dieldrin	ug/L	6.5	1.0	<6.5	<1.0
alpha-Endosulfan	ug/L	14	1.0	<14	<1.0
beta-Endosulfan	ug/L	5.0	1.0	<5.0	<1.0
Endosulfan Sulfate	ug/L	5.0	1.0	<5.0	<1.0
Endrin	ug/L	5.0	1.0	<5.0	<1.0
Endrin Aldehyde	ug/L	5.0	1.0	<5.0	<1.0
Hexachlorobenzene	ug/L	5.0	1.0	<5.0	<1.0
Heptachlor	ug/L	5.0	1.0	<5.0	<1.0
Heptachlor Epoxide	ug/L	5.0	1.0	<5.0	<1.0
Lindane	ug/L	5.0	1.0	<5.0	<1.0
Methoxychlor	ug/L	5.0	1.0	<5.0	<1.0
Mirex	ug/L	5.0	1.0	<5.0	<1.0
Oxychlordane	ug/L	5.0	1.0	<5.0	<1.0
Octachlorostyrene	ug/L	2.5	0.50	<2.5	<0.50
Toxaphene	ug/L	10	10	<10	<10
<b>EPA 8270 Extractables</b>					
1-Chloronaphthalene	ug/L	2.0	0.40	<2.0	<0.40
1-Methylnaphthalene	ug/L	2.0	0.40	<2.0	<0.40
1,2-Dichlorobenzene	ug/L	2.0	0.40	<2.0	<0.40
1,2,3-Trichlorobenzene	ug/L	2.0	0.40	<2.0	<0.40
1,2,4-Trichlorobenzene	ug/L	2.0	0.40	<2.0	<0.40
1,3-Dichlorobenzene	ug/L	2.0	0.40	<2.0	<0.40
1,4-Dichlorobenzene	ug/L	2.0	0.40	<2.0	<0.40
2-Chloronaphthalene	ug/L	2.0	0.40	<2.0	<0.40
2-Chlorophenol	ug/L	1.5	0.30	<1.5	<0.30
2-Methylnaphthalene	ug/L	2.0	0.40	<2.0	<0.40
2-Methylphenol	ug/L	2.5	0.50	<2.5	<0.50
2-Nitrophenol	ug/L	2.5	0.50	<2.5	<0.50
2,3,4-Trichlorophenol	ug/L	2.5	0.50	<2.5	<0.50
2,3,4,5-Tetrachlorophenol	ug/L	5.0	1.0	<5.0	<1.0
2,3,4,6-Tetrachlorophenol	ug/L	5.0	1.0	<5.0	<1.0
2,3,5-Trichlorophenol	ug/L	2.5	0.50	<2.5	<0.50
2,3,5,6-Tetrachlorophenol	ug/L	5.0	1.0	<5.0	<1.0
2,4-Dichlorophenol	ug/L	1.5	0.30	<1.5	<0.30
2,4-Dimethylphenol	ug/L	2.5	0.50	<2.5	<0.50
2,4-Dinitrophenol	ug/L	5.0	1.0	<5.0	<1.0
2,4-Dinitrotoluene	ug/L	2.0	0.40	<2.0	<0.40
2,4,5-Trichlorophenol	ug/L	2.5	0.50	<2.5	<0.50
2,4,6-Trichlorophenol	ug/L	2.5	0.50	<2.5	<0.50



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2,6-Dichlorophenol	ug/L	2.5	0.50	<2.5	<0.50
2,6-Dinitrotoluene	ug/L	2.0	0.40	<2.0	<0.40
3,3'-Dichlorobenzidine	ug/L	2.0	0.40	<2.0	<0.40
3&4-Methylphenol	ug/L	13	0.50	107	<0.50
4-Bromophenyl phenyl ether	ug/L	2.0	0.40	<2.0	<0.40
4-Chloro-3-methylphenol	ug/L	2.5	0.50	<2.5	<0.50
4-Chloroaniline	ug/L	2.0	0.40	<2.0	<0.40
4-Chlorophenyl phenyl ether	ug/L	2.0	0.40	<2.0	<0.40
4-Nitrophenol	ug/L	2.5	0.50	<2.5	<0.50
4,6-Dinitro-2-methylphenol	ug/L	10	2.0	<10	<2.0
5-Nitroacenaphthene	ug/L	2.0	0.40	<2.0	<0.40
Acenaphthene	ug/L	1.0	0.20	<1.0	<0.20
Acenaphthylene	ug/L	1.0	0.20	<1.0	<0.20
Anthracene	ug/L	1.0	0.20	<1.0	<0.20
Benzo(a)anthracene	ug/L	1.0	0.20	<1.0	<0.20
Benzo(a)pyrene	ug/L	0.25	0.050	<0.25	<0.050
Benzo(b)fluoranthene	ug/L	1.0	0.20	<1.0	<0.20
Benzo(ghi)perylene	ug/L	1.0	0.20	<1.0	<0.20
Benzo(k)fluoranthene	ug/L	1.0	0.20	<1.0	<0.20
Biphenyl	ug/L	2.0	0.40	<2.0	<0.40
Bis(2-chloroethoxy)methane	ug/L	2.0	0.40	<2.0	<0.40
Bis(2-chloroethyl)ether	ug/L	2.0	0.40	<2.0	<0.40
Bis(2-chloroisopropyl)ether	ug/L	2.0	0.40	<2.0	<0.40
Bis(2-ethylhexyl)phthalate	ug/L	10	2.0	<10	<2.0
Butylbenzyl phthalate	ug/L	2.0	0.40	<2.0	<0.40
Camphene	ug/L	2.0	0.40	<2.0	<0.40
Chrysene	ug/L	1.0	0.20	<1.0	<0.20
Cresols, Total	ug/L	15	1.0	107	<1.0
Di-n-butylphthalate	ug/L	10	2.0	<10	<2.0
Di-n-octylphthalate	ug/L	2.0	0.40	<2.0	<0.40
Dibenzo(a,h)anthracene	ug/L	1.0	0.20	<1.0	<0.20
Dibenzofuran	ug/L	1.0	0.20	<1.0	<0.20
Diethylphthalate	ug/L	1.0	0.20	1.8	<0.20
Dimethylphthalate	ug/L	1.0	0.20	<1.0	<0.20
Diphenyl ether	ug/L	2.0	0.40	<2.0	<0.40
Diphenylamine	ug/L	2.0	0.40	<2.0	<0.40
Fluoranthene	ug/L	1.0	0.20	<1.0	<0.20
Fluorene	ug/L	1.0	0.20	<1.0	<0.20
Hexachlorobenzene	ug/L	0.20	0.040	<0.20	<0.040
Hexachlorobutadiene	ug/L	1.0	0.20	<1.0	<0.20
Hexachlorocyclopentadiene	ug/L	2.0	0.40	<2.0	<0.40
Hexachloroethane	ug/L	2.0	0.40	<2.0	<0.40
Indeno(1,2,3-cd)pyrene	ug/L	1.0	0.20	<1.0	<0.20
Indole	ug/L	10.0	0.40	16.0	<0.40
Isophorone	ug/L	2.0	0.40	<2.0	<0.40
N-Nitroso-di-n-propylamine	ug/L	2.0	0.40	<2.0	<0.40
Naphthalene	ug/L	1.0	0.20	<1.0	<0.20
Nitrobenzene	ug/L	2.0	0.40	<2.0	<0.40
Pentachlorophenol	ug/L	5.0	1.0	<5.0	<1.0
Perylene	ug/L	1.0	0.20	<1.0	<0.20
Phenanthrene	ug/L	1.0	0.20	<1.0	<0.20
Phenol	ug/L	2.5	0.50	26	<0.50
Pyrene	ug/L	1.0	0.20	<1.0	<0.20

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	Parameter	Units	MDL-Raw	MDL-Final	Raw Sewage Grab
<b>Volatile Organics plus F1</b>					
Acetone	mg/L	0.020	0.020	0.047	<0.020
Benzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Bromobenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Bromochloromethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
Bromodichloromethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
Bromoform	mg/L	0.00050	0.00050	<0.00050	<0.00050
Bromomethane	mg/L	0.0010	0.0010	<0.0010	<0.0010
n-Butylbenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
sec-Butylbenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
tert-Butylbenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Carbon Disulfide	mg/L	0.0010	0.0010	<0.0010	<0.0010
Carbon tetrachloride	mg/L	0.00050	0.00050	<0.00050	<0.00050
Chlorobenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Chloroethane	mg/L	0.0010	0.0010	<0.0010	<0.0010
Chloroform	mg/L	0.00050	0.00050	0.00308	<0.00050
Chloromethane	mg/L	0.0010	0.0010	<0.0010	<0.0010
2-Chlorotoluene	mg/L	0.020	0.020	<0.020	<0.020
4-Chlorotoluene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Dibromochloromethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,2-Dibromo-3-chloropropane	mg/L	0.0010	0.0010	<0.0010	<0.0010
1,2-Dibromoethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
Dibromomethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,2-Dichlorobenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,3-Dichlorobenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,4-Dichlorobenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Dichlorodifluoromethane	mg/L	0.0010	0.0010	<0.0010	<0.0010
1,1-Dichloroethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,2-Dichloroethane	mg/L	0.0010	0.0010	<0.0010	<0.0010
1,1-Dichloroethene	mg/L	0.00050	0.00050	<0.00050	<0.00050
cis-1,2-Dichloroethene	mg/L	0.0010	0.0010	<0.0010	<0.0010
trans-1,2-Dichloroethene	mg/L	0.0010	0.0010	<0.0010	<0.0010
Dichloromethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,2-Dichloropropane	mg/L	0.0010	0.0010	<0.0010	<0.0010
1,3-Dichloropropane	mg/L	0.0010	0.0010	<0.0010	<0.0010
2,2-Dichloropropane	mg/L	0.0010	0.0010	<0.0010	<0.0010
1,1-Dichloropropene	mg/L	0.00050	0.00050	<0.00050	<0.00050
cis-1,3-Dichloropropene	mg/L	0.0010	0.0010	<0.0010	<0.0010
trans-1,3-Dichloropropene	mg/L	0.0010	0.0010	<0.0010	<0.0010
Dinitropyrene	mg/L	na	na	na	na
Ethyl Benzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
F1	mg/L	0.10	0.10	<0.10	<0.10
Hexachlorobutadiene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Hexane	mg/L	0.0010	0.0010	<0.0010	<0.0010
2-Hexanone	mg/L	0.020	0.020	<0.020	<0.020
Isopropylbenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
4-Isopropyltoluene	mg/L	0.0010	0.0010	<0.0010	<0.0010
MEK	mg/L	0.020	0.020	<0.020	<0.020
MIBK	mg/L	0.020	0.020	<0.020	<0.020
MTBE	mg/L	0.00050	0.00050	<0.00050	<0.00050
4,4'-Methylenebis(2-chloroaniline)	mg/L	na	na	na	na
Naphthalene	mg/L	0.0010	0.0010	<0.0010	<0.0010

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3rd Quarter Sampling Parameter	September 2, 2015			WEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Styrene	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,1,1,2-Tetrachloroethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,1,2,2-Tetrachloroethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
Tetrachloroethene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Toluene	mg/L	0.00050	0.00050	0.00123	<0.00050
1,2,3-Trichlorobenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,2,4-Trichlorobenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,1,1-Trichloroethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,1,2-Trichloroethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
Trichloroethene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Trichlorofluoromethane	mg/L	0.0020	0.0020	<0.0020	<0.0020
1,2,3-Trichloropropane	mg/L	0.0010	0.0010	<0.0010	<0.0010
1,2,4-Trimethylbenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,3,5-Trimethylbenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Vinyl chloride	mg/L	0.00050	0.00050	<0.00050	<0.00050
m+p-Xylenes	mg/L	0.00050	0.00050	<0.00050	<0.00050
o-Xylene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Xylenes (Total)	mg/L	0.0015	0.0015	<0.0015	<0.0015

**NOTES:**

MDL- Method detection limit

mg/L- milligrams/Litre

ug/L- micrograms/Litre

ng/L- nanograms/Litre

pg/L- picograms/Litre

°C - degrees Celsius

umhos/cm - microohms<sup>-1</sup>/centimeter

<- less than

na - not analyzed due to contract lab error

*All parameters were analyzed by contract laboratory.*

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4th Quarter Sampling Parameter	November 24, 2015			WEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
<b>Miscellaneous</b>					
Chromium, Hexavalent	ug/L	1.0	1.0	<1.0	<1.0
Mercury (Hg)-Total	ng/L	0.50	0.50	33.2	5.65
Phenols (4AAP)	mg/L	0.010	0.0010	0.081	0.0017
Trihalomethanes (total)	mg/L	0.0010	0.0010	0.0025	<0.0010
Oil and Grease (I.R.)	mg/L	5.0	5.0	36.2	<5.0
Tetraethyl Lead	ug/L	0.070	0.070	<0.070	<0.070
Tri-n-butyltin Cation	ug/L	0.055	0.055	<0.055	<0.055
pH unStabilized Trout Bioassay	Pass/Fail				pass
Hardness	mg/L				310
Alkalinity	mg/L				200
Temperature	°C				14.6
Dissolved Oxygen	mg/L				10.19
Conductivity	umhos/cm				1288
pH	units		0.10		8.16
pH Stabilized Trout Bioassay	Pass/Fail				pass
Hardness	mg/L				310
Alkalinity	mg/L				210
Temperature	°C				14.4
Dissolved Oxygen	mg/L				10.72
Conductivity	umhos/cm				1316
pH	units		0.10		8.30
Ammonia, Total (as N)	mg/L		0.010		0.326
Ammonia, Un-ionized (as N)	mg/L		0.010		0.016
Chlorine, Total	mg/L		0.10		0.10
<b>Total Metals by ICP-MS</b>					
Arsenic (As)-Total	mg/L	0.00020	0.00020	0.00075	0.00108
Cadmium (Cd)-Total	mg/L	0.000010	0.000010	0.000091	0.000037
Chromium (Cr)-Total	mg/L	0.0010	0.0010	0.0012	<0.0010
Copper (Cu)-Total	mg/L	0.00020	0.00020	0.0799	0.00786
Lead (Pb)-Total	mg/L	0.000090	0.000090	0.00170	0.00117
Molybdenum (Mo)-Total	mg/L	0.00020	0.00020	0.00296	0.00496
Nickel (Ni)-Total	mg/L	0.0020	0.0020	0.0043	0.0042
Selenium (Se)-Total	mg/L	0.0010	0.0010	<0.0010	<0.0010
Zinc (Zn)-Total	mg/L	0.0020	0.0020	0.0798	0.0135
<b>Low Level Nonylphenols and Ethoxylates</b>					
Nonylphenols	ug/L	1.0	1.0	1.3	<1.0
Nonylphenol Monoethoxylates	ug/L	2.0	2.0	5.6	<2.0
Nonylphenol Diethoxylates	ug/L	0.10	0.10	1.38	<0.10
Octylphenol	ug/L	1.0	1.0	<1.0	<1.0
Octylphenol Monoethoxylate	ug/L	2.0	2.0	<2.0	<2.0
Octylphenol Diethoxylate	ug/L	0.10	0.10	<0.10	<0.10
Bisphenol A	ug/L	0.20	0.20	<0.20	<0.20
Total Nonylphenol Ethoxylates	ug/L	2.0	2.0	7.0	<2.0
Total Octylphenol Ethoxylate	ug/L	2.0	2.0	<2.0	<2.0

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4th Quarter Sampling Parameter	November 24, 2015			WEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
<b>Dioxins and Furans</b>					
2378 TCDD	pg/L	2.1	3.5	<2.1	<3.5
12378 PeCDD	pg/L	0.99	1.3	<0.99	<1.3
123478 HxCDD	pg/L	1.6	1.5	<1.6	<1.5
123678 HxCDD	pg/L	1.6	1.4	<1.6	<1.4
123789 HxCDD	pg/L	1.6	1.5	<1.6	<1.5
1234678 HpCDD	pg/L	0.93	1.4	2.70	2.0
OCDD	pg/L	0.87	0.74	23.6	11.8
2378 TCDF	pg/L	1.5	3.0	<1.5	<3.0
12378 PeCDF	pg/L	0.76	1.1	<0.76	<1.1
23478 PeCDF	pg/L	0.68	0.99	<0.68	<0.99
123478 HxCDF	pg/L	1.1	0.84	<1.1	<0.84
123678 HxCDF	pg/L	1.1	0.77	<1.1	<0.77
234678 HxCDF	pg/L	1.1	0.82	<1.1	<0.82
123789 HxCDF	pg/L	1.6	1.3	<1.6	<1.3
1234678 HpCDF	pg/L	0.79	0.80	<0.79	<0.80
1234789 HpCDF	pg/L	1.3	1.2	<1.3	<1.2
OCDF	pg/L	1.0	0.92	1.1	<0.92
Total TCDD	pg/L	2.1	3.5	<2.1	<3.5
Total PeCDD	pg/L	0.99	1.3	<0.99	<1.3
Total HxCDD	pg/L	1.6	1.5	<1.6	<1.5
Total HpCDD	pg/L	0.93	3.0	3.29	3.0
Total TCDF	pg/L	1.5	3.0	<1.5	<3.0
Total PeCDF	pg/L	0.76	1.1	<0.76	<1.1
Total HxCDF	pg/L	1.6	1.3	<1.6	<1.3
Total HpCDF	pg/L	1.3	1.2	<1.3	<1.2
<b>Phenoxyacid Herbicides by GC/MS</b>					
2,4,5-TP	ug/L	5.0	5.0	<5.0	<5.0
MCPA	ug/L	5.0	5.0	<5.0	<5.0
Mecoprop	ug/L	5.0	5.0	<5.0	<5.0
2,4,5-T	ug/L	5.0	5.0	<5.0	<5.0
2,4-D	ug/L	5.0	5.0	<5.0	<5.0
2,4-DP	ug/L	5.0	5.0	<5.0	<5.0
Bromoxynil	ug/L	5.0	5.0	<5.0	<5.0
Dicamba	ug/L	13	13	<13	<13
Dinoseb	ug/L	5.0	5.0	<5.0	<5.0
Picloram	ug/L	5.0	5.0	<5.0	<5.0
<b>PCB</b>					
Aroclor 1016	mg/L	0.00010	0.00010	<0.00010	<0.00010
Aroclor 1221	mg/L	0.00010	0.00010	<0.00010	<0.00010
Aroclor 1232	mg/L	0.00010	0.00010	<0.00010	<0.00010
Aroclor 1242	mg/L	0.00010	0.00010	<0.00010	<0.00010
Aroclor 1248	mg/L	0.00010	0.00010	<0.00010	<0.00010
Aroclor 1254	mg/L	0.00010	0.00010	<0.00010	<0.00010
Aroclor 1260	mg/L	0.00010	0.00010	<0.00010	<0.00010
Aroclor 1262	mg/L	0.00010	0.00010	<0.00010	<0.00010
Aroclor 1268	mg/L	0.00010	0.00010	<0.00010	<0.00010
Total PCBs	mg/L	0.00030	0.00030	<0.00030	<0.00030

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4th Quarter Sampling	November 24, 2015			WEWPCC		
	Parameter	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
<b>Pesticides, Organochlorine</b>						
Aldrin	ug/L	1.0	0.50	<1.0	<0.50	
a-chlordane	ug/L	1.0	0.50	<1.0	<0.50	
g-chlordane	ug/L	1.0	0.50	<1.0	<0.50	
alpha-BHC	ug/L	1.0	0.50	<1.0	<0.50	
beta-BHC	ug/L	1.0	0.50	<1.0	<0.50	
delta-BHC	ug/L	1.0	0.50	<1.0	<0.50	
op-DDD	ug/L	1.0	0.50	<1.0	<0.50	
pp-DDD	ug/L	1.0	0.50	<1.0	<0.50	
op-DDE	ug/L	3.5	0.50	<3.5	<0.50	
pp-DDE	ug/L	1.0	0.50	<1.0	<0.50	
op-DDT	ug/L	10	0.50	<10	<0.50	
pp-DDT	ug/L	10	0.50	<10	<0.50	
Dieldrin	ug/L	2.8	0.50	<2.8	<0.50	
alpha-Endosulfan	ug/L	10	0.50	<10	<0.50	
beta-Endosulfan	ug/L	1.0	0.50	<1.0	<0.50	
Endosulfan Sulfate	ug/L	1.0	0.50	<1.0	<0.50	
Endrin	ug/L	1.0	0.50	<1.0	<0.50	
Endrin Aldehyde	ug/L	1.0	0.50	<1.0	<0.50	
Hexachlorobenzene	ug/L	1.0	0.50	<1.0	<0.50	
Heptachlor	ug/L	1.0	0.50	<1.0	<0.50	
Heptachlor Epoxide	ug/L	1.0	0.50	<1.0	<0.50	
Lindane	ug/L	1.0	0.50	<1.0	<0.50	
Methoxychlor	ug/L	10	0.50	<10	<0.50	
Mirex	ug/L	1.0	0.50	<1.0	<0.50	
Oxychlordane	ug/L	1.0	0.50	<1.0	<0.50	
Octachlorostyrene	ug/L	5.0	0.25	<5.0	<0.25	
Toxaphene	ug/L	5.5	2.0	<5.5	<2.0	
<b>EPA 8270 Extractables</b>						
1-Chloronaphthalene	ug/L	20	20	<20	<20	
1-Methylnaphthalene	ug/L	20	20	<20	<20	
1,2-Dichlorobenzene	ug/L	20	20	<20	<20	
1,2,3-Trichlorobenzene	ug/L	20	20	<20	<20	
1,2,4-Trichlorobenzene	ug/L	20	20	<20	<20	
1,3-Dichlorobenzene	ug/L	20	20	<20	<20	
1,4-Dichlorobenzene	ug/L	20	20	<20	<20	
2-Chloronaphthalene	ug/L	20	20	<20	<20	
2-Chlorophenol	ug/L	15	15	<15	<15	
2-Methylnaphthalene	ug/L	20	20	<20	<20	
2-Methylphenol	ug/L	25	25	<25	<25	
2-Nitrophenol	ug/L	25	25	<25	<25	
2,3,4-Trichlorophenol	ug/L	25	25	<25	<25	
2,3,4,5-Tetrachlorophenol	ug/L	25	25	<25	<25	
2,3,4,6-Tetrachlorophenol	ug/L	25	25	<25	<25	
2,3,5-Trichlorophenol	ug/L	25	25	<25	<25	
2,3,5,6-Tetrachlorophenol	ug/L	25	25	<25	<25	
2,4-Dichlorophenol	ug/L	15	15	<15	<15	
2,4-Dimethylphenol	ug/L	25	25	<25	<25	
2,4-Dinitrophenol	ug/L	50	50	<50	<50	
2,4-Dinitrotoluene	ug/L	20	20	<20	<20	
2,4,5-Trichlorophenol	ug/L	25	25	<25	<25	
2,4,6-Trichlorophenol	ug/L	25	25	<25	<25	

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4th Quarter Sampling Parameter	November 24, 2015			WEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
2,6-Dichlorophenol	ug/L	25	25	<25	<25
2,6-Dinitrotoluene	ug/L	20	20	<20	<20
3,3'-Dichlorobenzidine	ug/L	100	100	<100	<100
3&4-Methylphenol	ug/L	25	25	127	<25
4-Bromophenyl phenyl ether	ug/L	20	20	<20	<20
4-Chloro-3-methylphenol	ug/L	25	25	<25	<25
4-Chloroaniline	ug/L	100	100	<100	<100
4-Chlorophenyl phenyl ether	ug/L	20	20	<20	<20
4-Nitrophenol	ug/L	25	25	<25	<25
4,6-Dinitro-2-methylphenol	ug/L	100	100	<100	<100
5-Nitroacenaphthene	ug/L	20	20	<20	<20
Acenaphthene	ug/L	10	10	<10	<10
Acenaphthylene	ug/L	10	10	<10	<10
Anthracene	ug/L	10	10	<10	<10
Benzo(a)anthracene	ug/L	10	10	<10	<10
Benzo(a)pyrene	ug/L	2.5	2.5	<2.5	<2.5
Benzo(b)fluoranthene	ug/L	10	10	<10	<10
Benzo(ghi)perylene	ug/L	10	10	<10	<10
Benzo(k)fluoranthene	ug/L	10	10	<10	<10
Biphenyl	ug/L	20	20	<20	<20
Bis(2-chloroethoxy)methane	ug/L	20	20	<20	<20
Bis(2-chloroethyl)ether	ug/L	20	20	<20	<20
Bis(2-chloroisopropyl)ether	ug/L	20	20	<20	<20
Bis(2-ethylhexyl)phthalate	ug/L	100	100	<100	<100
Butylbenzyl phthalate	ug/L	20	20	<20	<20
Camphene	ug/L	20	20	<20	<20
Chrysene	ug/L	10	10	<10	<10
Cresols, Total	ug/L	50	50	127	<50
Di-n-butylphthalate	ug/L	100	100	<100	<100
Di-n-octylphthalate	ug/L	20	20	<20	<20
Dibenzo(a,h)anthracene	ug/L	10	10	<10	<10
Dibenzofuran	ug/L	10	10	<10	<10
Diethylphthalate	ug/L	10	10	<10	<10
Dimethylphthalate	ug/L	10	10	<10	<10
Diphenyl ether	ug/L	20	20	<20	<20
Diphenylamine	ug/L	20	20	<20	<20
Fluoranthene	ug/L	10	10	<10	<10
Fluorene	ug/L	10	10	<10	<10
Hexachlorobenzene	ug/L	2.0	2.0	<2.0	<2.0
Hexachlorobutadiene	ug/L	10	10	<10	<10
Hexachlorocyclopentadiene	ug/L	20	20	<20	<20
Hexachloroethane	ug/L	20	20	<20	<20
Indeno(1,2,3-cd)pyrene	ug/L	10	10	<10	<10
Indole	ug/L	20	20	<20	<20
Isophorone	ug/L	20	20	<20	<20
N-Nitroso-di-n-propylamine	ug/L	20	20	<20	<20
Naphthalene	ug/L	10	10	<10	<10
Nitrobenzene	ug/L	20	20	<20	<20
Pentachlorophenol	ug/L	25	25	<25	<25
Perylene	ug/L	10	10	<10	<10
Phenanthrene	ug/L	10	10	<10	<10
Phenol	ug/L	25	25	<25	<25
Pyrene	ug/L	10	10	<10	<10

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4th Quarter Sampling	November 24, 2015			WEWPCC		
	Parameter	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
<b>Volatile Organics plus F1</b>						
Acetone	mg/L	0.020	0.020	0.045	<0.020	
Benzene	mg/L	0.00050	0.00050	<0.00050	<0.00050	
Bromobenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050	
Bromochloromethane	mg/L	0.00050	0.00050	<0.00050	<0.00050	
Bromodichloromethane	mg/L	0.00050	0.00050	<0.00050	<0.00050	
Bromoform	mg/L	0.00050	0.00050	<0.00050	<0.00050	
Bromomethane	mg/L	0.0010	0.0010	<0.0010	<0.0010	
n-Butylbenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050	
sec-Butylbenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050	
tert-Butylbenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050	
Carbon Disulfide	mg/L	0.00050	0.00050	<0.00050	<0.00050	
Carbon tetrachloride	mg/L	0.00050	0.00050	<0.00050	<0.00050	
Chlorobenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050	
Chloroethane	mg/L	0.0010	0.0010	<0.0010	<0.0010	
Chloroform	mg/L	0.00050	0.00050	0.00249	<0.00050	
Chloromethane	mg/L	0.0010	0.0010	<0.0010	<0.0010	
2-Chlorotoluene	mg/L	0.020	0.020	<0.020	<0.020	
4-Chlorotoluene	mg/L	0.00050	0.00050	<0.00050	<0.00050	
Dibromochloromethane	mg/L	0.00050	0.00050	<0.00050	<0.00050	
1,2-Dibromo-3-chloropropane	mg/L	0.00050	0.00050	<0.00050	<0.00050	
1,2-Dibromoethane	mg/L	0.00050	0.00050	<0.00050	<0.00050	
Dibromomethane	mg/L	0.00050	0.00050	<0.00050	<0.00050	
1,2-Dichlorobenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050	
1,3-Dichlorobenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050	
1,4-Dichlorobenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050	
Dichlorodifluoromethane	mg/L	0.0010	0.0010	<0.0010	<0.0010	
1,1-Dichloroethane	mg/L	0.00050	0.00050	<0.00050	<0.00050	
1,2-Dichloroethane	mg/L	0.00050	0.00050	<0.00050	<0.00050	
1,1-Dichloroethene	mg/L	0.00050	0.00050	<0.00050	<0.00050	
cis-1,2-Dichloroethene	mg/L	0.00050	0.00050	<0.00050	<0.00050	
trans-1,2-Dichloroethene	mg/L	0.00050	0.00050	<0.00050	<0.00050	
Dichloromethane	mg/L	0.00050	0.00050	<0.00050	<0.00050	
1,2-Dichloropropane	mg/L	0.00050	0.00050	<0.00050	<0.00050	
1,3-Dichloropropane	mg/L	0.00050	0.00050	<0.00050	<0.00050	
2,2-Dichloropropane	mg/L	0.00050	0.00050	<0.00050	<0.00050	
1,1-Dichloropropene	mg/L	0.00050	0.00050	<0.00050	<0.00050	
cis-1,3-Dichloropropene	mg/L	0.00050	0.00050	<0.00050	<0.00050	
trans-1,3-Dichloropropene	mg/L	0.00050	0.00050	<0.00050	<0.00050	
Dinitropyrene	mg/L	na	na	na	na	
Ethyl Benzene	mg/L	0.00050	0.00050	<0.00050	<0.00050	
F1	mg/L	0.10	0.10	<0.10	<0.10	
Hexachlorobutadiene	mg/L	0.00050	0.00050	<0.00050	<0.00050	
Hexane	mg/L	0.00050	0.00050	<0.00050	<0.00050	
2-Hexanone	mg/L	0.020	0.020	<0.020	<0.020	
Isopropylbenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050	
4-Isopropyltoluene	mg/L	0.0010	0.0010	<0.0010	<0.0010	
MEK	mg/L	0.020	0.020	<0.020	<0.020	
MIBK	mg/L	0.020	0.020	<0.020	<0.020	
MTBE	mg/L	0.00050	0.00050	<0.00050	<0.00050	
4,4'-Methylenebis(2-chloroaniline)	mg/L	na	na	na	na	
Naphthalene	mg/L	0.00050	0.00050	<0.00050	<0.00050	



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4th Quarter Sampling Parameter	November 24, 2015			WEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Styrene	mg/L	0.0020	0.00050	<0.0020	<0.00050
1,1,1,2-Tetrachloroethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,1,2,2-Tetrachloroethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
Tetrachloroethene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Toluene	mg/L	0.00050	0.00050	0.00273	<0.00050
1,2,3-Trichlorobenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,2,4-Trichlorobenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,1,1-Trichloroethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,1,2-Trichloroethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
Trichloroethene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Trichlorofluoromethane	mg/L	0.0010	0.0010	<0.0010	<0.0010
1,2,3-Trichloropropane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,2,4-Trimethylbenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,3,5-Trimethylbenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Vinyl chloride	mg/L	0.00050	0.00050	<0.00050	<0.00050
m+p-Xylenes	mg/L	0.00050	0.00050	<0.00050	<0.00050
o-Xylene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Xylenes (Total)	mg/L	0.0015	0.0015	<0.0015	<0.0015

**NOTES:**

MDL- Method detection limit

mg/L- milligrams/Litre

ug/L- micrograms/Litre

ng/L- nanograms/Litre

pg/L- picograms/Litre

°C - degrees Celsius

umhos/cm - microohms<sup>-1</sup>/centimeter

<- less than

na - not analyzed due to contract lab error

*All parameters were analyzed by contract laboratory.*