

NOTE: Laboratory Acronyms - EBL = Environmental Bioassay Laboratory, SES = Shealy Environmental Services, CSWTF = Central Sanitary Wastewater Treatment Facility

NOTE: ♦ Not calculated due to less than value

NOTE: (1) Declared invalid

NOTE: (2) Split sample & split blind

Data Table 8-2 NPDES Blind Sample Results

Sample Measurement Section 2014 NPDES Blind Sample Results

Sample Date	NPDES Site	Blind Sample ID	Laboratory	Parameter	Units	Compliance Sample Value	Blind Sample Value	Relative % Difference	Relative Percent Difference (< 20 %)
1/8/2014	A-01	B140101	SES	Oil & Grease	mg/l	<5.5	<5.7	♦	♦
1/9/2014	A-01	B140101	SES	Biochemical Oxygen Demand	mg/l	<2.0	<2.0	♦	♦
1/9/2014	A-01	B140101	EBL	Iron	mg/l	0.0641	0.0640	0.2	Yes
1/9/2014	A-01	B140101	EBL	Total Suspended Solids	mg/l	<1.0	<1.0	♦	♦
1/23/2014	H-02	B140102	EBL	Copper	mg/l	0.0069	0.0063	9.1	Yes
1/23/2014	H-02	B140102	EBL	Lead	mg/l	<0.0020	<0.0020	♦	♦
1/23/2014	H-02	B140102	EBL	Zinc	mg/l	<0.0100	<0.0100	♦	♦
2/3/2014	H-16	B140202	SES	Cadmium	mg/l	<0.0001	<0.0001	♦	♦
2/3/2014	H-16	B140202	SES	Chromium	mg/l	<0.0050	<0.0050	♦	♦
2/3/2014	H-16	B140202	SES	Copper	mg/l	<0.0050	<0.0050	♦	♦
2/3/2014	H-16	B140202	SES	Lead	mg/l	<0.0020	<0.0020	♦	♦
2/3/2014	H-16	B140202	SES	Nickel	mg/l	<0.0100	<0.0100	♦	♦
2/3/2014	H-16	B140202	SES	Silver	mg/l	<0.0050	<0.0050	♦	♦
2/3/2014	H-16	B140202	SES	Zinc	mg/l	0.0061	0.0059	3.3	Yes
2/3/2014	H-16	B140202	SES	Mercury	mg/l	<0.0001	<0.0001	♦	♦
2/10/2014	F-08	B140201	EBL	Lead	mg/l	NO FLOW	NO FLOW	NO FLOW	NO FLOW
2/10/2014	F-08	B140201	EBL	Zinc	mg/l	NO FLOW	NO FLOW	NO FLOW	NO FLOW
3/4/2014	H-07	B141Q01	EBL	Total Suspended Solids	mg/l	NO FLOW	NO FLOW	NO FLOW	NO FLOW
3/11/2014	A-1A	B140301	SES	Tetrachloroethylene	µg/L	NO FLOW	NO FLOW	NO FLOW	NO FLOW
3/11/2014	A-1A	B140301	SES	Trichloroethylene	µg/L	NO FLOW	NO FLOW	NO FLOW	NO FLOW
3/11/2014	M-05	B140302	SES	Tetrachloroethylene	µg/L	<2.0	<2.0	♦	♦
3/11/2014	M-05	B140302	SES	Trichloroethylene	µg/L	<2.0	<2.0	♦	♦
3/20/2014	K-18	B141Q02	EBL	Total Suspended Solids	mg/l	3.0	5.0	50.0	No
3/20/2014	L-07	B141Q03	EBL	Total Suspended Solids	mg/l	2.0	2.0	0.0	Yes
4/1/2014	A-01	B140402	SES	Oil & Grease	mg/l	<4.0	<4.0	♦	♦
4/2/2014	A-01	B140402	SES	Biochemical Oxygen Demand	mg/l	<2.0	<2.0	♦	♦
4/2/2014	A-01	B140402	EBL	Iron	mg/l	0.1592	0.1569	1.5	Yes
4/2/2014	A-01	B140402	EBL	Total Suspended Solids	mg/l	<1.0	1.0	♦	♦
4/8/2014	A-11	B140401	SES	Biochemical Oxygen Demand	mg/l	<2.0	<2.0	♦	♦
4/8/2014	A-11	B140401	EBL	Total Suspended Solids	mg/l	<1.0	<1.0	♦	♦
5/13/2014	H-12	B140501	EBL	Copper	mg/l	0.0051	0.0054	5.7	Yes
5/13/2014	H-12	B140501	EBL	Zinc	mg/l	0.0380	0.0415	8.8	Yes
5/27/2014	H-16	B140502	SES	Biochemical Oxygen Demand	mg/l	<2.0	<2.0	♦	♦
5/27/2014	H-16	B140502	SES	Total Suspended Solids	mg/l	<1.0	<1.0	♦	♦
6/9/2014	A-1A	B140602	SES	Trichloroethylene	µg/L	NO FLOW	NO FLOW	NO FLOW	NO FLOW
6/9/2014	A-1A	B140602	SES	Tetrachloroethylene	µg/L	NO FLOW	NO FLOW	NO FLOW	NO FLOW
6/9/2014	M-05	B140601	SES	Trichloroethylene	µg/L	<2.0	<2.0	♦	♦
6/9/2014	M-05	B140601	SES	Tetrachloroethylene	µg/L	<2.0	<2.0	♦	♦
7/24/2014	F-08	B140701	EBL	Lead	mg/l	<0.0020	<0.0020	♦	♦
7/24/2014	F-08	B140701	EBL	Zinc	mg/l	0.0915	0.0932	1.8	Yes
7/9/2014	H-16	B140702	SES	Cadmium	mg/l	<0.0001	<0.0001	♦	♦
7/9/2014	H-16	B140702	SES	Chromium	mg/l	<0.0050	<0.0050	♦	♦
7/9/2014	H-16	B140702	SES	Copper	mg/l	<0.0050	<0.0050	♦	♦
7/9/2014	H-16	B140702	SES	Lead	mg/l	<0.0020	<0.0020	♦	♦
7/9/2014	H-16	B140702	SES	Nickel	mg/l	<0.0100	<0.0100	♦	♦
7/9/2014	H-16	B140702	SES	Silver	mg/l	<0.0050	<0.0050	♦	♦
7/9/2014	H-16	B140702	SES	Zinc	mg/l	<0.0050	<0.0050	♦	♦
7/9/2014	H-16	B140702	SES	Mercury	mg/l	<0.0001	<0.0001	♦	♦

2014 NPDES Blind Sample Results

Sample Date	NPDES Site	Blind Sample ID	Laboratory	Parameter	Units	Compliance Sample Value	Blind Sample Value	Relative % Difference	Relative Percent Difference (< 20 %)
8/13/2014	A-11	B140802	SES	Biochemical Oxygen Demand	mg/l	<2.0	<2.0	◆	◆
8/13/2014	A-11	B140802	EBL	Total Suspended Solids	mg/l	<1.0	<1.0	◆	◆
8/19/2014	H-12	B140801	EBL	Copper	mg/l	0.0053	<0.0050	◆	◆
8/19/2014	H-12	B140801	EBL	Zinc	mg/l	<0.0100	0.0132	◆	◆
9/16/2014	F-08	B140901	EBL	Lead	mg/l	NO FLOW	NO FLOW	NO FLOW	NO FLOW
9/16/2014	F-08	B140901	EBL	Zinc	mg/l	NO FLOW	NO FLOW	NO FLOW	NO FLOW
9/18/2014	H-02	B140902	EBL	Copper	mg/l	<0.0050	<0.0050	◆	◆
9/18/2014	H-02	B140902	EBL	Lead	mg/l	<0.0020	<0.0020	◆	◆
9/18/2014	H-02	B140902	EBL	Zinc	mg/l	<0.0100	<0.0100	◆	◆
10/2/2014	D-01	B141003	EBL	Aluminum	mg/l	NO FLOW	NO FLOW	NO FLOW	NO FLOW
10/2/2014	D-01	B141003	EBL	Manganese	mg/l	NO FLOW	NO FLOW	NO FLOW	NO FLOW
10/2/2014	D-01B	B141004	EBL	Copper	mg/l	NO FLOW	NO FLOW	NO FLOW	NO FLOW
10/2/2014	D-01B	B141004	EBL	Nickel	mg/l	NO FLOW	NO FLOW	NO FLOW	NO FLOW
10/2/2014	D-01B	B141004	SES	Oil & Grease	mg/l	NO FLOW	NO FLOW	NO FLOW	NO FLOW
10/2/2014	D-01B	B141004	EBL	Total Suspended Solids	mg/l	NO FLOW	NO FLOW	NO FLOW	NO FLOW
10/2/2014	D-01B	B141004	EBL	Zinc	mg/l	NO FLOW	NO FLOW	NO FLOW	NO FLOW
10/2/2014	D-01C	B141005	SES	Oil & Grease	mg/l	NO FLOW	NO FLOW	NO FLOW	NO FLOW
10/2/2014	D-01C	B141005	EBL	Total Suspended Solids	mg/l	NO FLOW	NO FLOW	NO FLOW	NO FLOW
10/2/2014	D-01D	B141006	SES	Oil & Grease	mg/l	NO FLOW	NO FLOW	NO FLOW	NO FLOW
10/2/2014	D-01D	B141006	EBL	Total Suspended Solids	mg/l	NO FLOW	NO FLOW	NO FLOW	NO FLOW
10/2/2014	D-02	B141007	EBL	Copper	mg/l	NO FLOW	NO FLOW	NO FLOW	NO FLOW
10/2/2014	D-02	B141007	EBL	Nickel	mg/l	NO FLOW	NO FLOW	NO FLOW	NO FLOW
10/2/2014	D-02	B141007	SES	Oil & Grease	mg/l	NO FLOW	NO FLOW	NO FLOW	NO FLOW
10/2/2014	D-02	B141007	EBL	Total Suspended Solids	mg/l	NO FLOW	NO FLOW	NO FLOW	NO FLOW
10/2/2014	D-02	B141007	EBL	Zinc	mg/l	NO FLOW	NO FLOW	NO FLOW	NO FLOW
10/2/2014	D-03	B141008	EBL	Aluminum	mg/l	NO FLOW	NO FLOW	NO FLOW	NO FLOW
10/2/2014	D-03	B141008	EBL	Copper	mg/l	NO FLOW	NO FLOW	NO FLOW	NO FLOW
10/2/2014	D-03	B141008	EBL	Nickel	mg/l	NO FLOW	NO FLOW	NO FLOW	NO FLOW
10/2/2014	D-03	B141008	SES	Oil & Grease	mg/l	NO FLOW	NO FLOW	NO FLOW	NO FLOW
10/2/2014	D-03	B141008	EBL	Total Residual Chlorine	mg/l	NO FLOW	NO FLOW	NO FLOW	NO FLOW
10/2/2014	D-03	B141008	EBL	Total Suspended Solids	mg/l	NO FLOW	NO FLOW	NO FLOW	NO FLOW
10/2/2014	D-03	B141008	EBL	Zinc	mg/l	NO FLOW	NO FLOW	NO FLOW	NO FLOW
10/2/2014	D-06	B141009	EBL	Aluminum	mg/l	NO FLOW	NO FLOW	NO FLOW	NO FLOW
10/2/2014	D-06	B141009	EBL	Copper	mg/l	NO FLOW	NO FLOW	NO FLOW	NO FLOW
10/2/2014	D-06	B141009	EBL	Nickel	mg/l	NO FLOW	NO FLOW	NO FLOW	NO FLOW
10/2/2014	D-06	B141009	SES	Oil & Grease	mg/l	NO FLOW	NO FLOW	NO FLOW	NO FLOW
10/2/2014	D-06	B141009	SES	Total Petroleum Hydrocarbons	mg/l	NO FLOW	NO FLOW	NO FLOW	NO FLOW
10/2/2014	D-06	B141009	EBL	Total Residual Chlorine	mg/l	NO FLOW	NO FLOW	NO FLOW	NO FLOW
10/2/2014	D-06	B141009	EBL	Total Suspended Solids	mg/l	NO FLOW	NO FLOW	NO FLOW	NO FLOW
10/6/2014	H-07	B143Q01	EBL	Total Suspended Solids	mg/l	NO FLOW	NO FLOW	NO FLOW	NO FLOW
10/7/2014	K-18	B143Q02	EBL	Total Suspended Solids	mg/l	1.0	1.0	0.0	Yes
10/7/2014	L-07	B143Q03	EBL	Total Suspended Solids	mg/l	1.0	1.0	0.0	Yes
10/8/2014	M-05	B141002	SES	Trichloroethylene	µg/L	<2.0	<2.0	◆	◆
10/8/2014	M-05	B141002	SES	Tetrachloroethylene	µg/L	<2.0	<2.0	◆	◆
10/28/2014	A-1A	B141001	SES	Trichloroethylene	µg/L	<2.0	<2.0	◆	◆
10/28/2014	A-1A	B141001	SES	Tetrachloroethylene	µg/L	<2.0	<2.0	◆	◆
11/3/2014	A-01	B141102	SES	Oil & Grease	mg/l	<5.0	<4.7	◆	◆
11/4/2014	A-01	B141102	SES	Biochemical Oxygen Demand	mg/l	29.0 ^{1.}	<2.0	◆	◆
11/4/2014	A-01	B141102	EBL	Iron	mg/l	0.1519	0.1515	0.3	Yes
11/4/2014	A-01	B141102	EBL	Total Suspended Solids	mg/l	1.0	1.0	0.0	Yes
11/4/2014	A-11	B141101	SES	Biochemical Oxygen Demand	mg/l	14.0 ^{1.}	<2.0	◆	◆
11/4/2014	A-11	B141101	EBL	Total Suspended Solids	mg/l	<1.0	<1.0	◆	◆
11/12/2014	A-01	B141105	SES	Biochemical Oxygen Demand	mg/l	<2.0 ^{2.}	<2.0 ^{2.}	◆	◆
11/12/2014	A-11	B141104	SES	Biochemical Oxygen Demand	mg/l	<2.0 ^{2.}	<2.0 ^{2.}	◆	◆
11/19/2014	A-01	B141106	CSWTF	Biochemical Oxygen Demand	mg/l	<2.0	<2.0	◆	◆

2014 NPDES Blind Sample Results

Sample Date	NPDES Site	Blind Sample ID	Laboratory	Parameter	Units	Compliance Sample Value	Blind Sample Value	Relative % Difference	Relative Percent Difference (< 20 %)
11/19/2014	H-02	B141103	EBL	Copper	mg/l	<0.0050	0.0050	◆	◆
11/19/2014	H-02	B141103	EBL	Lead	mg/l	<0.0020	<0.0020	◆	◆
11/19/2014	H-02	B141103	EBL	Zinc	mg/l	<0.0100	<0.0100	◆	◆
12/1/2014	H-16	B141201	CSWTF	Biochemical Oxygen Demand	mg/l	<2.0	<2.0	◆	◆
12/1/2014	H-16	B141201	SES	Total Suspended Solids	mg/l	<1.0	<1.0	◆	◆
12/2/2014	H-12	B141202	EBL	Copper	mg/l	<0.0050	<0.0050	◆	◆
12/2/2014	H-12	B141202	EBL	Zinc	mg/l	0.0253	0.0230	9.5	Yes
12/4/2014	D-01	B141203	EBL	Aluminum	mg/l	NO FLOW	NO FLOW	NO FLOW	NO FLOW
12/4/2014	D-01	B141203	EBL	Manganese	mg/l	NO FLOW	NO FLOW	NO FLOW	NO FLOW
12/4/2014	D-01B	B141204	EBL	Copper	mg/l	NO FLOW	NO FLOW	NO FLOW	NO FLOW
12/4/2014	D-01B	B141204	EBL	Nickel	mg/l	NO FLOW	NO FLOW	NO FLOW	NO FLOW
12/4/2014	D-01B	B141204	SES	Oil & Grease	mg/l	NO FLOW	NO FLOW	NO FLOW	NO FLOW
12/4/2014	D-01B	B141204	EBL	Total Suspended Solids	mg/l	NO FLOW	NO FLOW	NO FLOW	NO FLOW
12/4/2014	D-01B	B141204	EBL	Zinc	mg/l	NO FLOW	NO FLOW	NO FLOW	NO FLOW
12/4/2014	D-01C	B141205	SES	Oil & Grease	mg/l	NO FLOW	NO FLOW	NO FLOW	NO FLOW
12/4/2014	D-01C	B141205	EBL	Total Suspended Solids	mg/l	NO FLOW	NO FLOW	NO FLOW	NO FLOW
12/4/2014	D-01D	B141206	SES	Oil & Grease	mg/l	NO FLOW	NO FLOW	NO FLOW	NO FLOW
12/4/2014	D-01D	B141206	EBL	Total Suspended Solids	mg/l	NO FLOW	NO FLOW	NO FLOW	NO FLOW
12/4/2014	D-03	B141208	EBL	Aluminum	mg/l	NO FLOW	NO FLOW	NO FLOW	NO FLOW
12/4/2014	D-03	B141208	EBL	Copper	mg/l	NO FLOW	NO FLOW	NO FLOW	NO FLOW
12/4/2014	D-03	B141208	EBL	Nickel	mg/l	NO FLOW	NO FLOW	NO FLOW	NO FLOW
12/4/2014	D-03	B141208	SES	Oil & Grease	mg/l	NO FLOW	NO FLOW	NO FLOW	NO FLOW
12/4/2014	D-03	B141208	EBL	Total Residual Chlorine	mg/l	NO FLOW	NO FLOW	NO FLOW	NO FLOW
12/4/2014	D-03	B141208	EBL	Total Suspended Solids	mg/l	NO FLOW	NO FLOW	NO FLOW	NO FLOW
12/4/2014	D-03	B141208	EBL	Zinc	mg/l	NO FLOW	NO FLOW	NO FLOW	NO FLOW
12/4/2014	D-06	B141209	EBL	Aluminum	mg/l	NO FLOW	NO FLOW	NO FLOW	NO FLOW
12/4/2014	D-06	B141209	EBL	Copper	mg/l	NO FLOW	NO FLOW	NO FLOW	NO FLOW
12/4/2014	D-06	B141209	EBL	Nickel	mg/l	NO FLOW	NO FLOW	NO FLOW	NO FLOW
12/4/2014	D-06	B141209	SES	Oil & Grease	mg/l	NO FLOW	NO FLOW	NO FLOW	NO FLOW
12/4/2014	D-06	B141209	SES	Total Petroleum Hydrocarbons	mg/l	NO FLOW	NO FLOW	NO FLOW	NO FLOW
12/4/2014	D-06	B141209	EBL	Total Residual Chlorine	mg/l	NO FLOW	NO FLOW	NO FLOW	NO FLOW
12/4/2014	D-06	B141209	EBL	Total Suspended Solids	mg/l	NO FLOW	NO FLOW	NO FLOW	NO FLOW