APPENDIX B-3

SPDES-Permitted Storm Water Outfall Discharge Data

TABLE B-3A
2007 Storm Water Discharge Monitoring Data for Outfall Group 1

Storm Water Outfall S04

Analyte	*Units*	*N*	*First Flush Grab*	*Flow-weighted Composite*
			4/25/07	*4/25/07*
Aluminum, Total	mg/L	2	4.12	9.18
Ammonia (as NH_3)	mg/L	2	0.034	0.025
BOD_5	mg/L	2	<2.0	2.4
Cadmium, Total Recoverable	mg/L	2	<0.00018	<0.00018
Chromium, Total Recoverable	mg/L	2	0.0108	0.0120
Chromium, Hexavalent, Total Recoverable	mg/L	2	<0.008	<0.008
Copper, Total Recoverable	mg/L	2	0.0215	0.0170
Iron, Total	mg/L	2	7.1	13.5
Lead, Total Recoverable	mg/L	2	0.0107	0.0088
Nitrogen, Nitrate (as N)	mg/L	2	1.3	0.41
Nitrogen, Nitrite (as N)	mg/L	2	<0.020	<0.020
Nitrogen, Total (as N)	mg/L	2	<1.6	<0.53
Nitrogen, Total Kjeldahl	mg/L	2	0.28	0.10
Oil & Grease[a]	mg/L	1	<2.2	NR
pH[b]	SU	1	7.79	NR
Phosphorous, Total	mg/L	2	0.20	0.22
Selenium, Total Recoverable	mg/L	2	<0.0022	<0.0022
Solids, Total Dissolved	mg/L	2	1970	397
Solids, Total Suspended	mg/L	2	143	179
Vanadium, Total Recoverable	mg/L	2	0.0165	0.0179
Zinc, Total Recoverable	mg/L	2	0.123	0.103
Rain Event Summary				
pH of Rainfall During Sampling Event	SU	1	7.41	
Rainfall During Sampling Event	inches	--	0.23	
Total Flow During Sampling Event	gallons	--	226,556	
Maximum Flow Rate During Sampling Event	gpm	--	1,752	

N - Number of samples
NR - Not required by permit
[a] The SPDES permit specifies that oil and grease concentrations shall not exceed 15 mg/L.
[b] The SPDES permit specifies that pH shall not be less than the measured pH of rainfall collected from the site rain gauge at WNSWR01 during storm water discharge sampling or 6.0 SU, whichever is less, and the pH shall not exceed 9.0.

TABLE B-3A *(concluded)*
2007 Storm Water Discharge Monitoring Data for Outfall Group 1

Storm Water Outfall S04

Analyte	*Units*	*N*	*First Flush Grab*	*Flow-weighted Composite*
			7/11/07	*7/11/07*
Aluminum, Total	mg/L	2	5.5	6.1
Ammonia (as NH_3)	mg/L	2	0.20	0.021
BOD_5	mg/L	2	19	3.6
Cadmium, Total Recoverable	mg/L	2	0.00010	0.00019
Chromium, Total Recoverable	mg/L	2	0.0077	0.0069
Chromium, Hexavalent, Total Recoverable	mg/L	2	<0.008	<0.008
Copper, Total Recoverable	mg/L	2	0.012	0.0080
Iron, Total	mg/L	2	7.0	6.4
Lead, Total Recoverable	mg/L	2	0.0068	0.0086
Nitrogen, Nitrate (as N)	mg/L	2	1.0	0.30
Nitrogen, Nitrite (as N)	mg/L	2	<0.020	<0.020
Nitrogen, Total (as N)	mg/L	2	<2.0	<0.64
Nitrogen, Total Kjeldahl	mg/L	2	0.97	0.32
Oil & Grease[a]	mg/L	1	<2.2	NR
pH[b]	SU	1	8.40	NR
Phosphorous, Total	mg/L	2	0.20	0.13
Selenium, Total Recoverable	mg/L	2	0.00060	0.00056
Solids, Total Dissolved	mg/L	2	340	90
Solids, Total Suspended	mg/L	2	200	150
Vanadium, Total Recoverable	mg/L	2	0.0092	0.0077
Zinc, Total Recoverable	mg/L	2	0.085	0.056
Rain Event Summary				
pH of Rainfall During Sampling Event	SU	1	7.01	
Rainfall During Sampling Event	inches	--	0.94	
Total Flow During Sampling Event	gallons	--	1,300,000	
Maximum Flow Rate During Sampling Event	gpm	--	23,000	

N - Number of samples
NR - Not required by permit
[a] The SPDES permit specifies that oil and grease concentrations shall not exceed 15 mg/L.
[b] The SPDES permit specifies that pH shall not be less than the measured pH of rainfall collected from the site rain gauge at WNSWR01 during storm water discharge sampling or 6.0 SU, whichever is less, and the pH shall not exceed 9.0.

TABLE B-3B
2007 Storm Water Discharge Monitoring Data for Outfall Group 2

Storm Water Outfall S06

Analyte	*Units*	*N*	*First Flush Grab*	*Flow-weighted Composite*
			5/10/07	*5/10/07*
Aluminum, Total	mg/L	2	<0.068	<0.068
BOD_5	mg/L	2	3.8	2.7
Copper, Total Recoverable	mg/L	2	0.000618	0.000566
Iron, Total	mg/L	2	0.0975	0.0537
Lead, Total Recoverable	mg/L	2	<0.0005	<0.0005
Oil & Grease[a]	mg/L	1	1.0	NR
pH[b]	SU	1	7.32	NR
Phosphorous, Total	mg/L	2	0.048	0.048
Solids, Total Dissolved	mg/L	2	901	980
Solids, Total Suspended	mg/L	2	1.6	1.4
Surfactant	mg/L	2	<0.030	0.0752
Zinc, Total Recoverable	mg/L	2	0.00610	0.00331
Rain Event Summary				
pH of Rainfall During Sampling Event	SU	1	4.24	
Rainfall During Sampling Event	inches	--	0.14	
Total Flow During Sampling Event	gallons	--	9,619	
Maximum Flow Rate During Sampling Event	gpm	--	1,276	

N - Number of samples
NR - Not required by permit
[a] The SPDES permit specifies that oil and grease concentrations shall not exceed 15 mg/L.
[b] The SPDES permit specifies that pH shall not be less than the measured pH of rainfall collected from the site rain gauge at WNSWR01 during storm water discharge sampling or 6.0 SU, whichever is less, and the pH shall not exceed 9.0.

TABLE B-3B *(concluded)*
2007 Storm Water Discharge Monitoring Data for Outfall Group 2

Storm Water Outfall S33

Analyte	*Units*	*N*	*First Flush Grab*	*Flow-weighted Composite*
			7/11/07	*7/11/07*
Aluminum, Total	mg/L	2	8.9	2.1
BOD_5	mg/L	2	10	4.1
Copper, Total Recoverable	mg/L	2	0.0093	0.0038
Iron, Total	mg/L	2	27	4.2
Lead, Total Recoverable	mg/L	2	0.030	0.0075
Oil & Grease[a]	mg/L	1	<2.2	NR
pH[b]	SU	1	7.50	NR
Phosphorous, Total	mg/L	2	0.60	0.15
Solids, Total Dissolved	mg/L	2	180	460
Solids, Total Suspended	mg/L	2	380	96
Surfactant	mg/L	2	<0.013	<0.013
Zinc, Total Recoverable	mg/L	2	0.081	0.041
Rain Event Summary				
pH of Rainfall During Sampling Event	SU	1	7.01	
Rainfall During Sampling Event	inches	--	0.94	
Total Flow During Sampling Event	gallons	--	4,700	
Maximum Flow Rate During Sampling Event	gpm	--	59	

N - Number of samples
NR - Not required by permit
[a] The SPDES permit specifies that oil and grease concentrations shall not exceed 15 mg/L.
[b] The SPDES permit specifies that pH shall not be less than the measured pH of rainfall collected from the site rain gauge at WNSWR01 during storm water discharge sampling or 6.0 SU, whichever is less, and the pH shall not exceed 9.0.

TABLE B-3C
2007 Storm Water Discharge Monitoring Data for Outfall Group 3

Storm Water Outfall S12

Analyte	Units	N	First Flush Grab	Flow-weighted Composite
			5/10/07	5/10/07
Alpha-BHC	mg/L	2	<0.000011	<0.000011
Aluminum, Total	mg/L	2	9.01	9.44
Ammonia (as NH_3)	mg/L	2	0.14	0.20
BOD_5	mg/L	2	<16.3	12.3
Copper, Total Recoverable	mg/L	2	0.0247	0.0294
Iron, Total	mg/L	2	19.4	15.4
Lead, Total Recoverable	mg/L	2	0.0102	0.0102
Nitrogen, Nitrate (as N)	mg/L	2	0.64	1.10
Nitrogen, Nitrite (as N)	mg/L	2	<0.020	<0.020
Nitrogen, Total (as N)	mg/L	2	<2.16	<2.42
Nitrogen, Total Kjeldahl	mg/L	2	1.5	1.3
Oil & Grease[a]	mg/L	1	4.2	NR
pH[b]	SU	1	7.16	NR
Phosphorous, Total	mg/L	2	0.64	0.20
Solids, Total Dissolved	mg/L	2	553	579
Solids, Total Suspended	mg/L	2	322	275
Zinc, Total Recoverable	mg/L	2	0.121	0.127
Rain Event Summary				
pH of Rainfall During Sampling Event	SU	1	4.24	
Rainfall During Sampling Event	inches	--	0.14	
Total Flow During Sampling Event	gallons	--	4,728	
Maximum Flow Rate During Sampling Event	gpm	--	156	

N - Number of samples
NR - Not required by permit
[a] The SPDES permit specifies that oil and grease concentrations shall not exceed 15 mg/L.
[b] The SPDES permit specifies that pH shall not be less than the measured pH of rainfall collected from the site rain gauge at WNSWR01 during storm water discharge sampling or 6.0 SU, whichever is less, and the pH shall not exceed 9.0.

TABLE B-3C *(continued)*
2007 Storm Water Discharge Monitoring Data for Outfall Group 3

Storm Water Outfall S09

Analyte	*Units*	*N*	*First Flush Grab*	*Flow-weighted Composite*
			5/16/07	*5/16/07*
Alpha-BHC	mg/L	2	<0.000011	<0.000011
Aluminum, Total	mg/L	2	11.6	16.9
Ammonia (as NH_3)	mg/L	2	0.26	0.37
BOD_5	mg/L	2	3.4	3.9
Copper, Total Recoverable	mg/L	2	0.0157	0.0205
Iron, Total	mg/L	2	13.4	20.3
Lead, Total Recoverable	mg/L	2	0.0765	0.0653
Nitrogen, Nitrate (as N)	mg/L	2	0.63	0.77
Nitrogen, Nitrite (as N)	mg/L	2	<0.020	<0.020
Nitrogen, Total (as N)	mg/L	2	<1.61	<1.63
Nitrogen, Total Kjeldahl	mg/L	2	0.96	0.84
Oil & Grease[a]	mg/L	1	<2.2	NR
pH[b]	SU	1	7.58	NR
Phosphorous, Total	mg/L	2	0.29	0.31
Solids, Total Dissolved	mg/L	2	204	203
Solids, Total Suspended	mg/L	2	136	481
Zinc, Total Recoverable	mg/L	2	0.152	0.164
Rain Event Summary				
pH of Rainfall During Sampling Event	SU	1	7.55	
Rainfall During Sampling Event	inches	--	0.43	
Total Flow During Sampling Event	gallons	--	246	
Maximum Flow Rate During Sampling Event	gpm	--	7.6	

N - Number of samples
NR - Not required by permit
[a] The SPDES permit specifies that oil and grease concentrations shall not exceed 15 mg/L.
[b] The SPDES permit specifies that pH shall not be less than the measured pH of rainfall collected from the site rain gauge at WNSWR01 during storm water discharge sampling or 6.0 SU, whichever is less, and the pH shall not exceed 9.0.

TABLE B-3C *(concluded)*
2007 Storm Water Discharge Monitoring Data for Outfall Group 3

Storm Water Outfall S12

Analyte	*Units*	*N*	*First Flush Grab*	*Flow-weighted Composite*
			10/2/07	*10/2/07*
Alpha-BHC	mg/L	2	<0.0000066	<0.0000066
Aluminum, Total	mg/L	2	1.1	1.9
Ammonia (as NH_3)	mg/L	2	<0.011	<0.011
BOD_5	mg/L	2	<2.0	3.6
Copper, Total Recoverable	mg/L	2	0.0061	0.0057
Iron, Total	mg/L	2	2.0	2.5
Lead, Total Recoverable	mg/L	2	0.0017	0.0021
Nitrogen, Nitrate (as N)	mg/L	2	0.028	0.36
Nitrogen, Nitrite (as N)	mg/L	2	<0.020	<0.020
Nitrogen, Total (as N)	mg/L	2	<0.51	<0.85
Nitrogen, Total Kjeldhal	mg/L	2	0.46	0.47
Oil & Grease[a]	mg/L	1	<2.2	NR
pH[b]	SU	1	7.4	NR
Phosphorous, Total	mg/L	2	0.077	0.31
Solids, Total Dissolved	mg/L	2	500	290
Solids, Total Suspended	mg/L	2	110	51
Zinc, Total Recoverable	mg/L	2	0.056	0.038
Rain Event Summary				
pH of Rainfall During Sampling Event	SU	1	4.47	
Rainfall During Sampling Event	inches	--	0.25	
Total Flow During Sampling Event	gallons	--	7,600	
Maximum Flow Rate During Sampling Event	gpm	--	88	

N - Number of samples
NR - Not required by permit
[a] The SPDES permit specifies that oil and grease concentrations shall not exceed 15 mg/L.
[b] The SPDES permit specifies that pH shall not be less than the measured pH of rainfall collected from the site rain gauge at WNSWR01 during storm water discharge sampling or 6.0 SU, whichever is less, and the pH shall not exceed 9.0.

TABLE B-3D
2007 Storm Water Discharge Monitoring Data for Outfall Group 4

Storm Water Outfall S34

Analyte	Units	N	First Flush Grab	Flow-weighted Composite
			4/4/07	4/4/07
Aluminum, Total	mg/L	2	41.5 / 38.8	16.0
BOD_5	mg/L	2	3.7 / 3.7	<2.0
Copper, Total Recoverable	mg/L	2	0.0649 / 0.116	0.0338
Iron, Total	mg/L	2	71.3 / 73.0	23.0
Lead, Total Recoverable	mg/L	2	0.0458 / 0.0443	0.0161
Oil & Grease[a]	mg/L	1	3.8 / 5.2	NR
pH[b]	SU	2	7.58 / 7.59	NR
Phosphorous, Total	mg/L	2	0.62 / 0.61	0.20
Solids, Total Dissolved	mg/L	2	463 / 431	361
Solids, Total Suspended	mg/L	2	1340 / 1220	419
Surfactant	mg/L	2	<0.013 / <0.013	<0.013
Zinc, Total Recoverable	mg/L	2	0.197 / 0.192	0.122
Rain Event Summary				
pH of Rainfall During Sampling Event	SU	1	6.51	
Rainfall During Sampling Event	inches	--	0.12	
Total Flow During Sampling Event	gallons	--	18,136	
Maximum Flow Rate During Sampling Event	gpm	--	285	

Note: The first flush grab samples were sampled and analyzed in duplicate.
N - Number of samples
NR - Not required by permit
[a] The SPDES permit specifies that oil and grease concentrations shall not exceed 15 mg/L.
[b] The SPDES permit specifies that pH shall not be less than the measured pH of rainfall collected from the site rain gauge at WNSWR01 during storm water discharge sampling or 6.0 SU, whichever is less, and the pH shall not exceed 9.0.

TABLE B-3D *(concluded)*
2007 Storm Water Discharge Monitoring Data for Outfall Group 4

Storm Water Outfall S34

Analyte	*Units*	*N*	*First Flush Grab*	*Flow-weighted Composite*
			7/11/07	*7/11/07*
Aluminum, Total	mg/L	2	12	5.6
BOD_5	mg/L	2	16	4.0
Copper, Total Recoverable	mg/L	2	0.023	0.0083
Iron, Total	mg/L	2	18	6.5
Lead, Total Recoverable	mg/L	2	0.014	0.0062
Oil & Grease[a]	mg/L	1	3.8	NR
pH[b]	SU	1	7.7	NR
Phosphorous, Total	mg/L	2	0.30	0.13
Solids, Total Dissolved	mg/L	2	280	130
Solids, Total Suspended	mg/L	2	500	170
Surfactant	mg/L	2	0.18	0.019
Zinc, Total Recoverable	mg/L	2	0.19	0.079
Rain Event Summary				
pH of Rainfall During Sampling Event	SU	1	7.01	
Rainfall During Sampling Event	inches	--	0.94	
Total Flow During Sampling Event	gallons	--	1,800,000	
Maximum Flow Rate During Sampling Event	gpm	--	27,000	

N - Number of samples
NR - Not required by permit
[a] The SPDES permit specifies that oil and grease concentrations shall not exceed 15 mg/L.
[b] The SPDES permit specifies that pH shall not be less than the measured pH of rainfall collected from the site rain gauge at WNSWR01 during storm water discharge sampling or 6.0 SU, whichever is less, and the pH shall not exceed 9.0.

TABLE B-3E
2007 Storm Water Discharge Monitoring Data for Outfall Group 5

Storm Water Outfall S14

Analyte	Units	N	First Flush Grab	Flow-weighted Composite
			4/25/07	4/25/07
Aluminum, Total	mg/L	2	0.156	0.357
Ammonia (as NH_3)	mg/L	2	<0.011	<0.011
BOD_5	mg/L	2	<2.0	<2.0
Copper. Total Recoverable	mg/L	2	0.0012	0.0014
Iron, Total	mg/L	2	1.48	4.90
Lead, Total Recoverable	mg/L	2	0.00022	0.00054
Nitrogen, Nitrate (as N)	mg/L	2	0.18	0.14
Nitrogen, Nitrite (as N)	mg/L	2	<0.020	<0.020
Nitrogen, Total (as N)	mg/L	2	<0.52	<0.46
Nitrogen, Total Kjeldahl	mg/L	2	0.32	0.30
Oil & Grease[a]	mg/L	1	4.4	NR
pH[b]	SU	1	7.81	NR
Phosphorous, Total	mg/L	2	0.026	0.094
Solids, Setttleable	mL/L	2	<0.1	<0.1
Solids, Total Dissolved	mg/L	2	216	256
Solids, Total Suspended	mg/L	2	4	34
Sulfide	mg/L	2	<0.022	<0.022
Surfactant	mg/L	2	<0.013	<0.013
Vanadium, Total Recoverable	mg/L	2	<0.00078	<0.00078
Zinc, Total Recoverable	mg/L	2	0.0050	0.0046
Rain Event Summary				
pH of Rainfall During Sampling Event	SU	1	7.41	
Rainfall During Sampling Event	inches	--	0.27	
Total Flow During Sampling Event	gallons	--	425	
Maximum Flow Rate During Sampling Event	gpm	--	2.6	

N - Number of samples
NR - Not required by permit
[a] The SPDES permit specifies that oil and grease concentrations shall not exceed 15 mg/L.
[b] The SPDES permit specifies that pH shall not be less than the measured pH of rainfall collected from the site rain gauge at WNSWR01 during storm water discharge sampling or 6.0 SU, whichever is less, and the pH shall not exceed 9.0.

TABLE B-3E *(continued)*
2007 Storm Water Discharge Monitoring Data for Outfall Group 5

Storm Water Outfall S17

Analyte	*Units*	*N*	*First Flush Grab*	*Flow-weighted Composite*
			7/11/07	*7/11/07*
Aluminum, Total	mg/L	2	3.7	2.3
Ammonia (as NH_3)	mg/L	2	0.041	<0.011
BOD_5	mg/L	2	5.2	2.6
Copper. Total Recoverable	mg/L	2	0.0040	0.0033
Iron, Total	mg/L	2	3.0	1.5
Lead, Total Recoverable	mg/L	2	0.0014	0.0012
Nitrogen, Nitrate (as N)	mg/L	2	0.066	0.27
Nitrogen, Nitrite (as N)	mg/L	2	<0.020	<0.020
Nitrogen, Total (as N)	mg/L	2	<0.88	<0.80
Nitrogen, Total Kjeldahl	mg/L	2	0.79	0.51
Oil & Grease[a]	mg/L	1	2.8	NR
pH[b]	SU	1	8.2	NR
Phosphorous, Total	mg/L	2	0.14	0.034
Solids, Setttleable	mL/L	2	0.2	0.2
Solids, Total Dissolved	mg/L	2	83	140
Solids, Total Suspended	mg/L	2	85	30
Sulfide	mg/L	2	0.047	<0.022
Surfactant	mg/L	2	<0.013	<0.013
Vanadium, Total Recoverable	mg/L	2	0.0063	0.0044
Zinc, Total Recoverable	mg/L	2	0.014	0.015
Rain Event Summary				
pH of Rainfall During Sampling Event	SU	1	7.01	
Rainfall During Sampling Event	inches	--	0.94	
Total Flow During Sampling Event	gallons	--	81,000	
Maximum Flow Rate During Sampling Event	gpm	--	820	

N - Number of samples
NR - Not required by permit
[a] The SPDES permit specifies that oil and grease concentrations shall not exceed 15 mg/L.
[b] The SPDES permit specifies that pH shall not be less than the measured pH of rainfall collected from the site rain gauge at WNSWR01 during storm water discharge sampling or 6.0 SU, whichever is less, and the pH shall not exceed 9.0.

TABLE B-3F
2007 Storm Water Discharge Monitoring Data for Outfall Group 6

Storm Water Outfall S41

Analyte	Units	N	First Flush Grab	Flow-weighted Composite
			4/25/07	4/25/07
Aluminum, Total	mg/L	2	2.44	3.86
Ammonia (as NH_3)	mg/L	2	0.044	0.013
BOD_5	mg/L	2	<2.0	<2.0
Copper, Total Recoverable	mg/L	2	0.0041	0.0051
Iron, Total	mg/L	2	2.39	4.04
Lead, Total Recoverable	mg/L	2	0.0020	0.0023
Nitrogen, Nitrate (as N)	mg/L	2	0.61	0.35
Nitrogen, Nitrite (as N)	mg/L	2	<0.020	<0.020
Nitrogen, Total (as N)	mg/L	2	<1.10	<0.66
Nitrogen, Total Kjeldahl	mg/L	2	0.47	0.29
Oil & Grease[a]	mg/L	1	<2.2	NR
pH[b]	SU	1	7.81	NR
Phosphorous, Total	mg/L	2	0.059	0.083
Solids, Settleable	mL/L	2	<0.1	<0.1
Solids, Total Dissolved	mg/L	2	283	286
Solids, Total Suspended	mg/L	2	63	49
Sulfide	mg/L	2	<0.022	<0.022
Surfactant	mg/L	2	<0.013	<0.013
Vanadium, Total Recoverable	mg/L	2	0.0052	0.0018
Zinc, Total Recoverable	mg/L	2	0.0208	0.0221
Rain Event Summary				
pH of Rainfall During Sampling Event	SU	1	7.41	
Rainfall During Sampling Event	inches	--	0.28	
Total Flow During Sampling Event	gallons	--	1,639	
Maximum Flow Rate During Sampling Event	gpm	--	11.3	

N - Number of samples
NR - Not required by permit
[a] The SPDES permit specifies that oil and grease concentrations shall not exceed 15 mg/L.
[b] The SPDES permit specifies that pH shall not be less than the measured pH of rainfall collected from the site rain gauge at WNSWR01 during storm water discharge sampling or 6.0 SU, whichever is less, and the pH shall not exceed 9.0.

TABLE B-3F *(concluded)*
2007 Storm Water Discharge Monitoring Data for Outfall Group 6

Storm Water Outfall S42

Analyte	*Units*	*N*	*First Flush Grab*	*Flow-weighted Composite*
			7/11/07	*7/11/07*
Aluminum, Total	mg/L	2	0.11	0.61
Ammonia (as NH_3)	mg/L	2	<0.011	<0.011
BOD_5	mg/L	2	2.2	<2.0
Copper, Total Recoverable	mg/L	2	0.0079	0.0061
Iron, Total	mg/L	2	0.51	1.5
Lead, Total Recoverable	mg/L	2	0.00081	0.00098
Nitrogen, Nitrate (as N)	mg/L	2	0.72	0.65
Nitrogen, Nitrite (as N)	mg/L	2	<0.020	<0.020
Nitrogen, Total (as N)	mg/L	2	<1.1	<1.2
Nitrogen, Total Kjeldahl	mg/L	2	0.37	0.48
Oil & Grease[a]	mg/L	1	4.3	NR
pH[b]	SU	1	8.10	NR
Phosphorous, Total	mg/L	2	<0.005	0.0061
Solids, Settleable	mL/L	2	[c]	[c]
Solids, Total Dissolved	mg/L	2	2,900	1,900
Solids, Total Suspended	mg/L	2	<4.0	24
Sulfide	mg/L	2	<0.022	<0.022
Surfactant	mg/L	2	0.027	<0.013
Vanadium, Total Recoverable	mg/L	2	<0.00078	<0.0014
Zinc, Total Recoverable	mg/L	2	0.011	0.013
Rain Event Summary				
pH of Rainfall During Sampling Event	SU	1	7.01	
Rainfall During Sampling Event	inches	--	0.94	
Total Flow During Sampling Event	gallons	--	5,700	
Maximum Flow Rate During Sampling Event	gpm	--	60	

N - Number of samples
NR - Not required by permit
[a] The SPDES permit specifies that oil and grease concentrations shall not exceed 15 mg/L.
[b] The SPDES permit specifies that pH shall not be less than the measured pH of rainfall collected from the site rain gauge at WNSWR01 during storm water discharge sampling or 6.0 SU, whichever is less, and the pH shall not exceed 9.0.
[c] Sample for settleable solids was not sampled/analyzed.

TABLE B-3G
2007 Storm Water Discharge Monitoring Data for Outfall Group 7

Storm Water Outfall S20

Analyte	Units	N	First Flush Grab	Flow-weighted Composite
			4/25/07	4/25/07
Aluminum, Total	mg/L	2	4.86	0.564
Ammonia (as NH_3)	mg/L	2	<0.011	0.22
BOD_5	mg/L	2	<2.0	3.0
Copper, Total Recoverable	mg/L	2	0.0088	0.0015
Iron, Total	mg/L	2	9.99	1.16
Lead, Total Recoverable	mg/L	2	0.0079	0.00086
Nitrogen, Nitrate (as N)	mg/L	2	0.62	0.45
Nitrogen, Nitrite (as N)	mg/L	2	<0.020	<0.020
Nitrogen, Total (as N)	mg/L	2	<0.82	<0.62
Nitrogen, Total Kjeldahl	mg/L	2	0.18	0.15
Oil & Grease[a]	mg/L	1	<2.2	NR
pH[b]	SU	1	7.57	NR
Phosphorous, Total	mg/L	2	0.057	0.016
Solids, Total Dissolved	mg/L	2	312	59
Solids, Total Suspended	mg/L	2	79	13
Sulfide	mg/L	2	<0.022	<0.022
Surfactant	mg/L	2	0.023	0.019
Zinc, Total Recoverable	mg/L	2	0.156	0.0194
Rain Event Summary				
pH of Rainfall During Sampling Event	SU	1	7.41	
Total Rainfall During Sampling Event	inches	--	0.10	
Total Flow During SamplingEvent	gallons	--	40,299	
Maximum Flow Rate During Sampling Event	gpm	--	290	

N - Number of samples
NR - Not required by permit
[a] The SPDES permit specifies that oil and grease concentrations shall not exceed 15 mg/L.
[b] The SPDES permit specifies that pH shall not be less than the measured pH of rainfall collected from the site rain gauge at WNSWR01 during storm water discharge sampling or 6.0 SU, whichever is less, and the pH shall not exceed 9.0.

TABLE B-3G *(concluded)*
2007 Storm Water Discharge Monitoring Data for Outfall Group 7

Storm Water Outfall S20

Analyte	*Units*	*N*	*First Flush Grab*	*Flow-weighted Composite*
			10/2/07	*10/2/07*
Aluminum, Total	mg/L	3	0.32 / 0.36	0.21
Ammonia (as NH_3)	mg/L	3	0.046 / 0.051	0.13
BOD_5	mg/L	3	3.4 / 2.9	<2.0
Copper, Total Recoverable	mg/L	3	0.0017 / 0.0018	0.00096
Iron, Total	mg/L	3	0.42 / 0.40	0.22
Lead, Total Recoverable	mg/L	3	0.00050 / 0.00058	0.00023
Nitrogen, Nitrate (as N)	mg/L	3	0.87 / 0.87	0.50
Nitrogen, Nitrite (as N)	mg/L	3	<0.020 / <0.020	<0.020
Nitrogen, Total (as N)	mg/L	3	<1.4 / <1.3	<0.78
Nitrogen, Total Kjeldahl	mg/L	3	0.51 / 0.42	0.26
Oil & Grease[a]	mg/L	2	<2.2 / <2.2	NR
pH[b]	SU	2	7.9 / 7.9	NR
Phosphorous, Total	mg/L	3	<0.005 / <0.005	<0.005
Solids, Total Dissolved	mg/L	3	90 / 89	41
Solids, Total Suspended	mg/L	3	23 / 24	8.0
Sulfide	mg/L	3	<0.022 / <0.022	<0.022
Surfactant	mg/L	3	<0.013 / 0.019	<0.013
Zinc, Total Recoverable	mg/L	3	0.011 / 0.0098	0.0097
Rain Event Summary				
pH of Rainfall During Sampling Event	SU	1	4.47	
Total Rainfall During Sampling Event	inches	--	0.25	
Total Flow During SamplingEvent	gallons	--	52,000	
Maximum Flow Rate During Sampling Event	gpm	--	340	

Note: The first flush grab samples were sampled and analyzed in duplicate.
N - Number of samples
NR - Not required by permit
[a] The SPDES permit specifies that oil and grease concentrations shall not exceed 15 mg/L.
[b] The SPDES permit specifies that pH shall not be less than the measured pH of rainfall collected from the site rain gauge at WNSWR01 during storm water discharge sampling or 6.0 SU, whichever is less, and the pH shall not exceed 9.0.

TABLE B-3H
2007 Storm Water Discharge Monitoring Data for Outfall Group 8

Storm Water Outfall S27

Analyte	Units	N	First Flush Grab	Flow-weighted Composite
			4/4/07	4/4/07
Aluminum, Total	mg/L	2	0.725	0.258
Ammonia (as NH_3)	mg/L	2	<0.011	<0.011
BOD_5	mg/L	2	3.4	<2.0
Copper, Total Recoverable	mg/L	2	0.0034	0.0024
Iron, Total	mg/L	2	0.675	0.226
Lead, Total Recoverable	mg/L	2	0.0020	0.00031
Nitrogen, Nitrate (as N)	mg/L	2	0.039	<0.011
Nitrogen, Nitrite (as N)	mg/L	2	<0.020	<0.020
Nitrogen, Total (as N)	mg/L	2	<0.90	<0.66
Nitrogen, Total Kjeldahl	mg/L	2	0.84	0.63
Oil & Grease[a]	mg/L	1	4.9	NR
pH[b]	SU	1	7.68	NR
Phosphorous, Total	mg/L	2	0.079	0.046
Solids, Total Dissolved	mg/L	2	317	344
Solids, Total Suspended	mg/L	2	163	8.0
Surfactant	mg/L	2	0.027	0.015
Zinc, Total Recoverable	mg/L	2	0.0116	0.0075
Rain Event Summary				
pH of Rainfall During Sampling Event	SU	1	6.51	
Rainfall During Sampling Event	inches	--	0.12	
Total Flow During Sampling Event	gallons	--	456	
Maximum Flow Rate During Sampling Event	gpm	--	2.9	

N - Number of samples
NR - Not required by permit
[a] The SPDES permit specifies that oil and grease concentrations shall not exceed 15 mg/L.
[b] The SPDES permit specifies that pH shall not be less than the measured pH of rainfall collected from the site rain gauge at WNSWR01 during storm water discharge sampling or 6.0 SU, whichever is less, and the pH shall not exceed 9.0.

TABLE B-3H *(concluded)*
2007 Storm Water Discharge Monitoring Data for Outfall Group 8

Storm Water Outfall S35

Analyte	*Units*	*N*	*First Flush Grab*	*Flow-weighted Composite*
			10/2/07	*10/2/07*
Aluminum, Total	mg/L	2	0.13	0.24
Ammonia (as NH_3)	mg/L	2	<0.011	<0.011
BOD_5	mg/L	2	<2.0	<2.0
Copper, Total Recoverable	mg/L	2	0.0031	0.0020
Iron, Total	mg/L	2	0.11	0.19
Lead, Total Recoverable	mg/L	2	0.00059	0.00074
Nitrogen, Nitrate (as N)	mg/L	2	0.091	1.4
Nitrogen, Nitrite (as N)	mg/L	2	<0.020	<0.020
Nitrogen, Total (as N)	mg/L	2	<0.69	<1.8
Nitrogen, Total Kjeldahl	mg/L	2	0.58	0.37
Oil & Grease[a]	mg/L	1	<2.2	NR
pH[b]	SU	1	7.50	NR
Phosphorous, Total	mg/L	2	<0.005	<0.005
Solids, Total Dissolved	mg/L	2	600	510
Solids, Total Suspended	mg/L	2	10	6.0
Surfactant	mg/L	2	0.54	<0.013
Zinc, Total Recoverable	mg/L	2	0.050	0.049
Rain Event Summary				
pH of Rainfall During Sampling Event	SU	1	4.47	
Rainfall During Sampling Event	inches	--	0.25	
Total Flow During Sampling Event	gallons	--	2,900	
Maximum Flow Rate During Sampling Event	gpm	--	32	

N - Number of samples
NR - Not required by permit
[a] The SPDES permit specifies that oil and grease concentrations shall not exceed 15 mg/L.
[b] The SPDES permit specifies that pH shall not be less than the measured pH of rainfall collected from the site rain gauge at WNSWR01 during storm water discharge sampling or 6.0 SU, whichever is less, and the pH shall not exceed 9.0.

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