



W-1685
September 2, 2015

Ms. Rebecca Stanizzi
Town of Wayland
41 Cochituate Road
Wayland, MA 01778

Re: **Former Wayland-Sudbury Septage Facility Groundwater Summary
Memorandum - August 2015 Sampling Event**

Dear Ms. Stanizzi:

Enclosed are the results of the groundwater sampling data from the former Wayland-Sudbury Septage Facility. This letter reports on the results of the sampling event conducted on August 17, 2015.

Groundwater Sampling

Groundwater samples were collected from five monitoring wells at the site including MW-2, MW-3, MW-4, MW-5 and D-3. Groundwater samples could not be collected from monitoring well MW-1 because the well location was damaged or could not be located. The locations of the groundwater monitoring wells are shown on the Aerial Site Plan included in Appendix A.

Groundwater from each well was monitored in the field for static water level (groundwater only), temperature, pH, specific conductivity, dissolved oxygen and ORP parameters using a YSI Low Flow cell meter. Groundwater samples were then collected and submitted to ESS Laboratory of Cranston, Rhode Island, for laboratory analysis of MCP-14 Metals and Manganese. Laboratory analytical results are summarized in Table 1, included in Appendix B.

The results of this sampling event indicated that site contaminant concentrations were similar to historical data collected at the site.

The groundwater sampling results were compared to the RCGW-1 Standard set forth by the MassDEP 310 CMR 40.0000 MCP and are shown on the results table in Appendix B. Exceedances are as follows:

- Arsenic exceeded the RCGW-1 Standard in groundwater monitoring wells MW-2 and D-3.
- Manganese was in exceedance of the Secondary Maximum Contaminant Level Standard (SMCL) set forth by the Massachusetts Drinking Water Standards (310 CMR 22.00) in all monitoring wells. This standard was used as a comparison due to the fact that an RCGW-1 Standard for Manganese does not exist.
- No additional compounds were detected in the groundwater samples at concentrations that exceed the RCGW-1 Standards or SMCL values.

Sample Results Discussion

Levels of Arsenic in monitoring wells MW-2 and D-3 were previously noted as part of a Phase I and II Site Assessment Report completed by Tighe & Bond. High levels of arsenic



that were detected in wells MW-2 and D-3 are associated with an existing SLF and are being adequately regulated under the Solid Waste Permitting Program. The elevated concentrations of arsenic found in the two wells does not constitute a reportable condition to the MassDEP under the Massachusetts Contingency Plan (MCP) because it is considered as adequately regulated.

Manganese levels that were detected in all monitoring wells that were sampled on August 17, 2015 were above the Secondary Maximum Contaminant Level Standard (SMCL), however, since the groundwater will not be used as a drinking water source area, this exceedance is not reportable and no further action is required.

According to prior groundwater monitoring reports, mercury was detected in wells MW-1, MW-2, MW-3, MW-4, MW-5 and D-3 in the March 2008 sampling round. Since March of 2008, mercury has not been detected above the laboratory detection limit in any monitoring well. For the August 2015 round of groundwater sampling, mercury was not detected above the laboratory detection limit in any of the monitoring wells that were sampled. We believe that the March 2008 mercury levels recorded in the DMR report represent a reporting error where mercury results were transposed with manganese results.

If you have any questions regarding this report please do not hesitate to call Michael Trovato at 508-471-9629 or Ian Catlow at 508-471-9605.

Very truly yours,

TIGHE & BOND, INC.



Michael T. Trovato
Environmental Scientist



Ian B. Catlow
Senior Project Manager

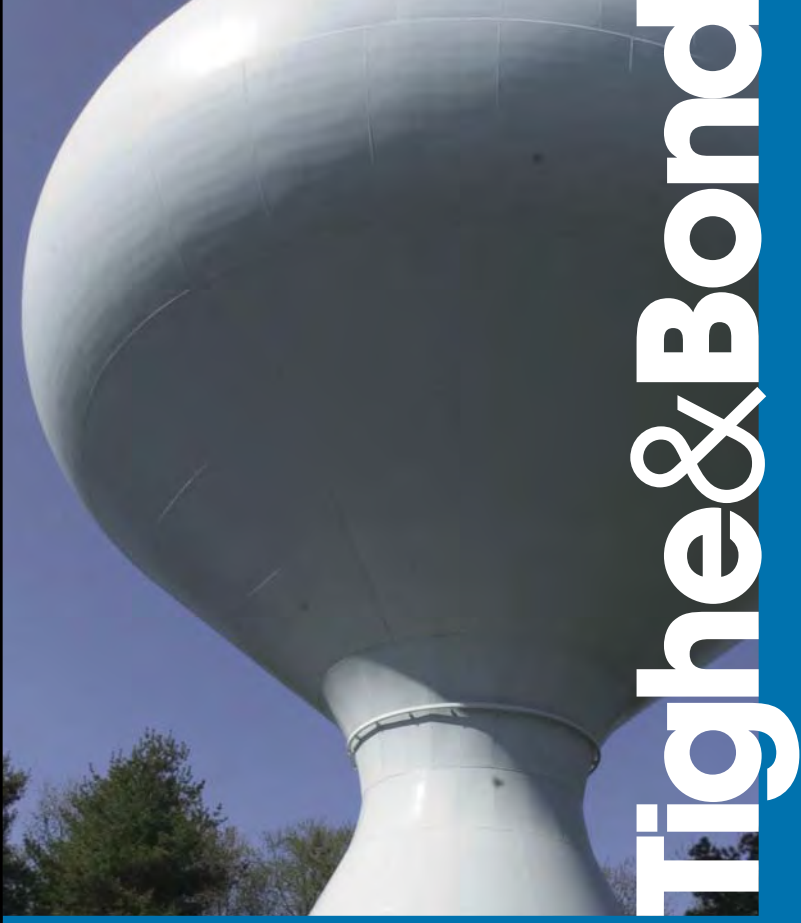
Copy:
Julia Junghanns- Wayland Department of Public Health

Appendices

Appendix A – Aerial Site Plan

Appendix B – Groundwater Data Summary Tables

Appendix C – Historical MDR Reports





D-3

MW-2

MW-1

MW-3

MW-5

MW-4

Well potentially destroyed

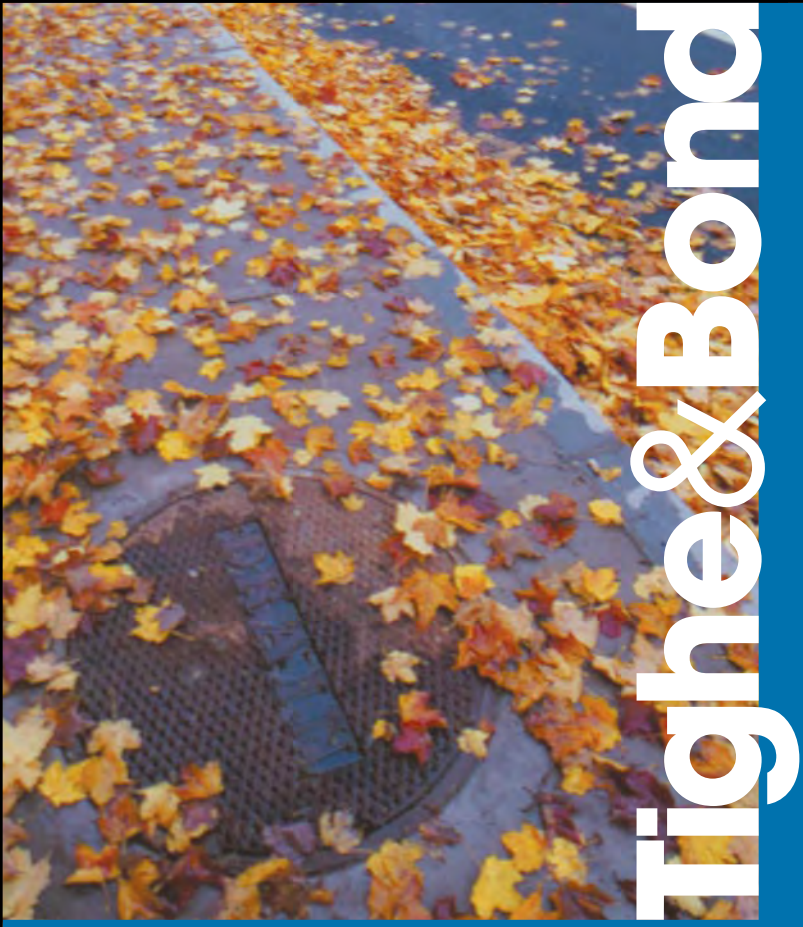


Table 1

Groundwater Analytical Results (August 17, 2015)

Wayland Sudbury Septage Facility

440 Boston Post Road

Wayland, Massachusetts

Analytical Test	Sample ID	MW-4	MW-5	MW-3	MW-2	D-3	RCGW-1
Compound	Sample Type Sample Date	Groundwater 8/17/2015	Groundwater 8/17/2015	Groundwater 8/17/2015	Groundwater 8/17/2015	Groundwater 8/17/2015	Standards (mg/L)
Total Metals							
Antimony		ND (< 0.0025)	ND (< 0.0025)	ND (< 0.0025)	ND (< 0.0025)	ND (< 0.0025)	0.006
Arsenic		ND (< 0.0025)	ND (< 0.0025)	ND (< 0.0025)	0.0469	0.0507	0.01
Barium		0.286	0.0924	0.198	0.0699	0.0752	2
Beryllium		ND (< 0.0005)	ND (< 0.0005)	ND (< 0.0005)	ND (< 0.0005)	ND (< 0.0005)	0.004
Cadmium		ND (< 0.0025)	ND (< 0.0025)	0.0031	ND (< 0.0025)	ND (< 0.0025)	0.004
Chromium		ND (< 0.01)	ND (< 0.01)	ND (< 0.01)	ND (< 0.01)	ND (< 0.01)	0.1
Lead		ND (< 0.01)	ND (< 0.01)	ND (< 0.01)	ND (< 0.01)	ND (< 0.01)	0.01
Manganese		0.532	2.02	7.15	7.16	7.76	0.05*
Mercury		ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.0002)	0.002
Nickel		ND (< 0.025)	ND (< 0.025)	0.0871	ND (< 0.025)	ND (< 0.025)	0.1
Selenium		ND (< 0.025)	ND (< 0.025)	0.0337	ND (< 0.025)	ND (< 0.025)	0.05
Silver		ND (< 0.005)	ND (< 0.005)	ND (< 0.005)	ND (< 0.005)	ND (< 0.005)	0.007
Thallium		ND (< 0.001)	ND (< 0.001)	ND (< 0.001)	ND (< 0.001)	ND (< 0.001)	0.002
Vanadium		ND (< 0.01)	ND (< 0.01)	ND (< 0.01)	ND (< 0.01)	ND (< 0.01)	0.03
Zinc		ND (< 0.025)	ND (< 0.025)	ND (< 0.025)	ND (< 0.025)	ND (< 0.025)	0.9

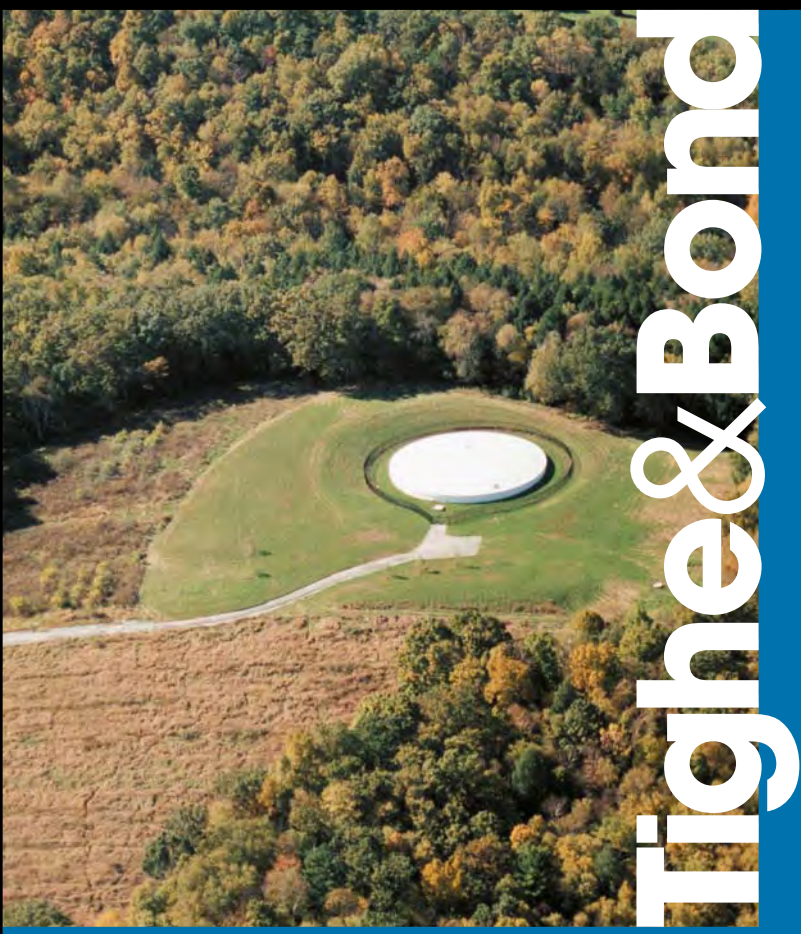
Notes:

ND = Not Detected

< XX = Not Detected at Indicated Laboratory Detection Limit

* = Secondary Maximum Contaminant Level Standard

Units: All Data is displayed in mg/L



Tighe & Bond

Permit: 60

Facility Name: WAYLAND/SUDBURY WWTP

TOWN: WAYLAND

Basin: CONC

Monthly Maximum Data Report

Jan 01, 2009 through Dec 31, 2009

Contaminant	Sample Location	Permit Version	Permit Limit	Freq:	Jan 2009	Feb 2009	Mar 2009	Apr 2009	May 2009	Jun 2009	Jul 2009	Aug 2009	Sep 2009	Oct 2009
Flow (gpd)	Effluent Point	1	25,000	D	24,471	12,053	24,451	24,614	24,438	24,621	24,592	24,970		24,448
pH (s.u.)	Influent Point	1	NR	D				7.1						
	Effluent Point	1	RO	D	7.7	7.2	7.2		7.4	7.6	7.5	7.2		7.7
	D-3(CG)	1	RO	M	6.5	6.3	6.7	6.4	6.8	7.4	6.4	6.6		7.4
	MW-1(CG)	1	RO	M	6.3	6.1	6.2	6.1	6.3	6.6	6	6.4		7.4
	MW-2(DG)	1	RO	M	6.2	6.4	6.2	6.2	6.4	6.7	6.1	6.5		6.9
	MW-3(DG)	1	RO	M	6.5	6.2	6.7	6	6.2	6.5	6.1	6.5		6.5
	MW-4(DG)	1	RO	M	5.9	6	6.6	6.4	6.3	7.3	6	6.5		6.4
	MW-5(DG)	1	RO	M	6	6.1	6.3	6	6	6.3	6.2	6.3		6.8
BOD (mg/l)	Influent Point	1	RO	M	6,500	1,800	170	430	930	3,300	3,700	1,900		2,400
	Effluent Point	1	10	M	32	ND	ND	31	24	18	ND	9.6		ND
TSS (mg/l)	Influent Point	1	RO	M	24,000	21,000	1,300	5,000	7,200	10,000	11,400	5,600		11,000
	Effluent Point	1	20	M	24	9	29	18	30	4	4	3.3		2
Total Solids (mg/l)	Influent Point	1	RO	M	26,000	22,000	23,000	64,000	7,900	13,000	13,000	7,000		12,000
	Effluent Point	1	RO	M	1,300	1,300	2,400	650	760	600	660	720		1,100
Settleable Solids (ml/l)	Effluent Point	1	0.1	D										
Ammonia-N (mg/l)	Influent Point	1	RO	M	58	46	16	54	40	46	62	59.6		57.4
Nitrate-N (mg/l)	Effluent Point	1	RO	M	4.5	6.6	10	10	0.5	5.9	11	7.6		6.4
	D-3(CG)	1	10	Q		0.02			ND			ND		0.01
	MW-1(CG)	1	10	Q		5.6			1.5			4.6		10
	MW-2(DG)	1	RO	Q		0.4			ND			ND		0.018
	MW-3(DG)	1	10	Q		1.4			1.5			1.5		0.66
	MW-4(DG)	1	10	Q		1.7			1.2			2		1.9
	MW-5(DG)	1	10	Q		2.6			2.7			2.2		1.8

Permit: 60

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Monthly Maximum Data Report

Jan 01, 2009 through Dec 31, 2009

Contaminant

Sample Location	Permit Version	Permit Limit	Freq:	Jan 2009	Feb 2009	Mar 2009	Apr 2009	May 2009	Jun 2009	Jul 2009	Aug 2009	Sep 2009	Oct 2009
Total Nitrogen(NO3+NO2+TKN) (mg/l)													
Effluent Point	1	RO	M	8.3	10.2	13	1.4	5.1	8.6	13	10		9.1
D-3(CG)	1	RO	Q		1.2			1.2			1.1		1
MW-1(CG)	1	RO	Q		6.7			2.5			5.9		11
MW-2(DG)	1	RO	Q		2.5			1.8			2.2		1.8
MW-3(DG)	1	RO	Q		2.6			2.9			3.2		4.5
MW-4(DG)	1	RO	Q		2.1			1.2			2		2.2
MW-5(DG)	1	RO	Q		3.1			2.7			2.2		2.3
Oil & Grease (mg/l)													
Effluent Point	1	15	M	1.5	1.1	3.2	2	4.1	4.8	4.3	4.8		ND
Chlorine Residual (mg/l)													
Effluent Point	1	1	D	0.97	0.92	0.97	0.6	0.94	0.98	0.98	0.88		0.97
UV Intensity (%)													
Effluent Point	1	NR	D		ND								
Fecal Coliform (/100 ml)													
Effluent Point	1	200	M	ND	6	1	21	27	ND	ND	4		ND
Chloride (mg/l)													
D-3(CG)	1	RO	Q		63			70			71		68
MW-1(CG)	1	RO	Q		160			740			210		240
MW-2(DG)	1	RO	Q		66			280			170		220
MW-3(DG)	1	RO	Q		24			190			320		180
MW-4(DG)	1	RO	Q		230			140			390		410
MW-5(DG)	1	RO	Q		120			160			150		260
Static Water Level (Feet)													
D-3(CG)	1	RO	M	6.1	6.5	6.3	6.2	6.4	6.7	6.3	6.3		7.2
MW-1(CG)	1	RO	M	36.1	36.6	36.2	36.2	36.4	36.6	36.2	36.3		37.1
MW-2(DG)	1	RO	M	45.9	46.4	46	46.9	46.2	46.4	45.9	46		46.9
MW-3(DG)	1	RO	M	27	27.4	27.1	27.1	27.3	27.6	27	27.1		28.1
MW-4(DG)	1	RO	M	11.4	11.9	11.6	11.6	11.8	12.1	11.5	11.6		12.5
MW-5(DG)	1	RO	M	13.7	14.1	13.9	15.8	14.1	14.4	13.8	13.9		14.8

Permit: 60

Facility Name: WAYLAND/SUDBURY WWTP

TOWN: WAYLAND

Basin: CONC

Monthly Maximum Data Report

Jan 01, 2009 through Dec 31, 2009

Contaminant	Sample Location	Permit Version	Permit Limit	Freq:	Jan 2009	Feb 2009	Mar 2009	Apr 2009	May 2009	Jun 2009	Jul 2009	Aug 2009	Sep 2009	Oct 2009
Specific Conductance (umhos/c)														
D-3(CG)	1	RO	M		347	538	600	651	635	641	598	536		567
MW-1(CG)	1	RO	M		512	898	1,014	2,041	2,330	1,530	1,243	882		1,003
MW-2(DG)	1	RO	M		462	757	694	925	524	1,200	964	840		916
MW-3(DG)	1	RO	M		231	299	356	628	319	466	1,345	1,044		815
MW-4(DG)	1	RO	M		422	912	829	923	268	670	1,275	1,269		1,177
MW-5(DG)	1	RO	M		513	740	1,305	888	312	858	970	878		1,014
Lead (mg/l)														
D-3(CG)	1	0.05	Q			ND			ND			ND		ND
MW-1(CG)	1	0.05	Q			ND			ND			ND		ND
MW-2(DG)	1	RO	Q			ND			ND			ND		ND
MW-3(DG)	1	0.05	Q			ND			ND			ND		ND
MW-4(DG)	1	0.05	Q			ND			ND			ND		ND
MW-5(DG)	1	0.05	Q			ND			ND			ND		ND
Manganese (mg/l)														
D-3(CG)	1	0.05	Q			6.59			7.36			7.38		7.7
MW-1(CG)	1	0.05	Q			0.185			0.11			0.288		0.08
MW-2(DG)	1	RO	Q			1.02			2.06			1.43		1.69
MW-3(DG)	1	0.05	Q			5.69			5.9			7.99		12.2
MW-4(DG)	1	0.05	Q			0.13			0.11			3.07		0.539
MW-5(DG)	1	0.05	Q			0.378			0.37			0.107		0.09
Mercury (mg/l)														
D-3(CG)	1	0.002	Q			ND			ND			ND		ND
MW-1(CG)	1	0.002	Q			ND			ND			ND		ND
MW-2(DG)	1	RO	Q			ND			ND			ND		ND
MW-3(DG)	1	0.002	Q			ND			ND			ND		ND
MW-4(DG)	1	0.002	Q			ND			ND			ND		ND
MW-5(DG)	1	0.002	Q			ND			ND			ND		ND
Total VOC (ug/l)														
D-3(CG)	1	RO	A									ND		
MW-1(CG)	1	RO	A									2		
MW-2(DG)	1	RO	A									ND		
MW-3(DG)	1	RO	A									ND		
MW-4(DG)	1	RO	A									ND		
MW-5(DG)	1	RO	A									ND		

Permit: 60
Facility Name: WAYLAND/SUDBURY WWTP
TOWN: WAYLAND
Basin: CONC

Monthly Maximum Data Report

Jan 01, 2009 through Dec 31, 2009

Contaminant													
Sample Location	Permit Version	Permit Limit	Freq:	Jan 2009	Feb 2009	Mar 2009	Apr 2009	May 2009	Jun 2009	Jul 2009	Aug 2009	Sep 2009	Oct 2009
Chloroform (ug/l)													
MW-1(CG)	1	RO	A										2

Report Parameters

Permit: 60
Date Range: January 01, 2009 - December 31, 2009
Region: NE

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Monthly Maximum Data Report

Jan 01, 2008 through Dec 31, 2008

Contaminant	Sample Location	Permit Version	Permit Limit	Freq:	Jan 2008	Feb 2008	Mar 2008	Apr 2008	May 2008	Jun 2008	Jul 2008	Aug 2008	Sep 2008	Oct 2008	Nov 2008	Dec 2008
Flow (gpd)																
Effluent Point	1	25,000	D		24,714	24,676	25,006	24,853	24,801	24,752	24,754	25,015	24,828	24,676	24,659	24,864
pH (s.u.)																
Effluent Point	1	RO	D		8	7.6	7.3	7.2	7.7	7.5	7.4	7.4	7.9	7.6	7.6	7.7
D-3(CG)	1	RO	M		8.1	7.5	6.8	7.1	6.6		6.2	6.3	7.1	7	6.6	7.4
MW-1(CG)	1	RO	M		6.3	6.5	6.3	6.4	6.3		6.4	6.2	6.8	6.5	6.3	6.3
MW-2(DG)	1	RO	M		8.4	6.7	6.5	6.4	6.4		6.3	6.5	7.2	6.5	6.7	6.6
MW-3(DG)	1	RO	M		6.5	26.5	6.2	6.7	6.1		6	5.8	6.8	6.9	6.1	6.5
MW-4(DG)	1	RO	M		6.2	6	5.8	6.5	5.8		6.5	6.5	6.3	7.1	6.1	5.9
MW-5(DG)	1	RO	M		8.8	6.5	6.4	6.9	6.2		6	6.3	6.7	6.6	6.2	6.1
BOD (mg/l)																
Influent Point	1	RO	M		5,200	240	2,600	3,200	4,400		4,600	1,400	810	600	1,800	3,900
Effluent Point	1	10	M		24	ND	15	ND	9		7.9	8.4	7.6	26	23	28
TSS (mg/l)																
Influent Point	1	RO	M		24,000	280	9,500	5,900	13,000		13,000	4,700	4,700	4,200	8,300	15,000
Effluent Point	1	20	M		5.6	85	11	12	9.7		5.3	9.5	8	6.5	14	20
Total Solids (mg/l)																
Influent Point	1	RO	M		29,000	3,400	12,000	7,700	14,000		13,000	5,900	4,900	4,400	9,400	17,000
Effluent Point	1	RO	M		2,100	16,000	1,200	840	860		780	650	610	620	660	540
Settleable Solids (ml/l)																
Effluent Point	1	0.1	D													
Ammonia-N (mg/l)																
Influent Point	1	RO	M		62	27	56	61	67		74	50	44	51	52	57
Nitrate-N (mg/l)																
Effluent Point	1	RO	M		10.9	6.5	9.8	24	9.5		5	3.9	4.8	6.5	11	8.5
D-3(CG)	1	10	Q				ND		0.54						ND	
MW-1(CG)	1	10	Q				11		13						7.4	
MW-2(DG)	1	RO	Q				ND		ND						ND	
MW-3(DG)	1	10	Q				1.6		16						0.99	
MW-4(DG)	1	10	Q				2.4		1.5						2.2	
MW-5(DG)	1	10	Q				5.2		4.4						4.1	

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Monthly Maximum Data Report

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Contaminant	Sample Location	Permit Version	Permit Limit	Freq:	Jan 2008	Feb 2008	Mar 2008	Apr 2008	May 2008	Jun 2008	Jul 2008	Aug 2008	Sep 2008	Oct 2008	Nov 2008	Dec 2008
Total Nitrogen(NO3+NO2+TKN) (mg/l)																
	Effluent Point	1	RO	M	13.4	9.6	28.5	14.3	13.9		7.6	7	7.5	8.8	14	12.8
	D-3(CG)	1	RO	Q			1.1		1.5						ND	
	MW-1(CG)	1	RO	Q			12		14						7.4	
	MW-2(DG)	1	RO	Q			3.2		14						ND	
	MW-3(DG)	1	RO	Q			4.4		2.8						0.99	
	MW-4(DG)	1	RO	Q			2.8		1.5						2.2	
	MW-5(DG)	1	RO	Q			5.8		4.4						4.1	
Oil & Grease (mg/l)																
	Effluent Point	1	15	M	1.1	5.8	1.5	2	7		2.4	5.4	3.4	1.8	2.4	2.8
Chlorine Residual (mg/l)																
	Effluent Point	1	1	D	0.98	0.98	0.98	0.91	0.92	0.91	0.98	0.99	0.97	0.94	0.99	0.98
UV Intensity (%)																
	Effluent Point	1	NR	D	ND											
Fecal Coliform (/100 ml)																
	Effluent Point	1	200	M	180	ND	ND	141	ND		ND	ND	6	27	130	16
Chloride (mg/l)																
	D-3(CG)	1	RO	Q			63		66						66	
	MW-1(CG)	1	RO	Q			390		460						160	
	MW-2(DG)	1	RO	Q			190		630						110	
	MW-3(DG)	1	RO	Q			97		260						110	
	MW-4(DG)	1	RO	Q			240		230						220	
	MW-5(DG)	1	RO	Q			260		260						230	
Static Water Level (Feet)																
	D-3(CG)	1	RO	M	7.7	6	5.7	6.2	6.2		7.5	6.6	6.7	6.8	6.9	6.7
	MW-1(CG)	1	RO	M	37.8	35.9	35.4	36.2	36.2		36.9	36.3	36.6	36.7	36.8	36.7
	MW-2(DG)	1	RO	M	47.7	45.8	45.5	46.2	46		46.8	46.1	36.3	46.5	46.6	46.5
	MW-3(DG)	1	RO	M	28.7	26.4	26.8	27.1	27.1		27.9	27.3	27.5	26.8	27.8	27.5
	MW-4(DG)	1	RO	M	12.9	11.2	11	11.6	11.6		12.3	11.7	11.9	12.1	12.2	12
	MW-5(DG)	1	RO	M	15.3	13.2	13.1	13.8	13.8		14.7	14	14.2	14.5	14.5	14.3

Permit: 60

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Contaminant	Sample Location	Permit Version	Permit Limit	Freq:	Jan 2008	Feb 2008	Mar 2008	Apr 2008	May 2008	Jun 2008	Jul 2008	Aug 2008	Sep 2008	Oct 2008	Nov 2008	Dec 2008
Specific Conductance (umhos/c)																
D-3(CG)		1	RO	M	309	276	353	300	509		364	330	335	370	423	325
MW-1(CG)		1	RO	M	364	359	561	546	1,477		633	498	714	600	532	706
MW-2(DG)		1	RO	M	440	327	486	471	1,651		658	412	756	640	523	460
MW-3(DG)		1	RO	M	330	256	376	356	756		494	432	530	370	366	283
MW-4(DG)		1	RO	M	397	366	595	446	739		422	349	640	555	426	349
MW-5(DG)		1	RO	M	415	383	510	457	892		502	372	770	660	183	482
Lead (mg/l)																
D-3(CG)		1	0.05	Q			ND		ND						ND	
MW-1(CG)		1	0.05	Q			ND		ND						ND	
MW-2(DG)		1	RO	Q			ND		ND						0.042	
MW-3(DG)		1	0.05	Q			ND		ND						ND	
MW-4(DG)		1	0.05	Q			ND		ND						ND	
MW-5(DG)		1	0.05	Q			ND		ND						ND	
Manganese (mg/l)																
D-3(CG)		1	0.05	Q			ND		7.98						6.68	
MW-1(CG)		1	0.05	Q			ND		0.182						0.14	
MW-2(DG)		1	RO	Q			ND		4.28						1.19	
MW-3(DG)		1	0.05	Q			ND		4.13						10.6	
MW-4(DG)		1	0.05	Q			ND		0.172						0.19	
MW-5(DG)		1	0.05	Q			ND		0.54						0.811	
Mercury (mg/l)																
D-3(CG)		1	0.002	Q			7.61		ND						ND	
MW-1(CG)		1	0.002	Q			0.234		ND						ND	
MW-2(DG)		1	RO	Q			2.91		ND						ND	
MW-3(DG)		1	0.002	Q			8.65		ND						ND	
MW-4(DG)		1	0.002	Q			0.18		ND						ND	
MW-5(DG)		1	0.002	Q			2.82		ND						ND	
Total VOC (ug/l)																
Effluent Point		1	RO	A											46	
D-3(CG)		1	RO	A			ND									
MW-1(CG)		1	RO	A			ND									
MW-2(DG)		1	RO	A			ND									
MW-3(DG)		1	RO	A			1									
MW-4(DG)		1	RO	A			ND									
MW-5(DG)		1	RO	A			ND									

Permit: 60
Facility Name: WAYLAND/SUDBURY WWTP
TOWN: WAYLAND
Basin: CONC

Monthly Maximum Data Report

Jan 01, 2008 through Dec 31, 2008

Contaminant		Permit Version	Permit Limit	Freq:	Jan 2008	Feb 2008	Mar 2008	Apr 2008	May 2008	Jun 2008	Jul 2008	Aug 2008	Sep 2008	Oct 2008	Nov 2008	Dec 2008
Sample Location																
Toluene (ug/l)																
Effluent Point	1	RO	A													1
Chloroform (ug/l)																
Effluent Point	1	RO	A													37
4-Methyl-2-pentanone (MIBK) (ug/l)																
MW-3(DG)	1	RO	A				1									
Bromodichloromethane (ug/l)																
Effluent Point	1	RO	A													8

Report Parameters

Permit: 60
Date Range: January 01, 2008 - December 31, 2008
Region: NE

Permit: 888
 Facility Name: CONCORD MEWS
 TOWN: CONCORD
 Basin: CONC

Monthly Maximum Data Report

Jul 01, 2014 through Jun 30, 2015

Contaminant	Sample Location	Permit Version	Permit Limit	Freq:	Jul 2014	Aug 2014	Sep 2014	Oct 2014	Nov 2014	Dec 2014	Jan 2015	Feb 2015	Mar 2015	Apr 2015	May 2015	Jun 2015
Flow (gpd)																
	Effluent Point(UK)	0	66,000	D		42,843	38,190	43,347	35,255	38,700	42,199	39,355	44,938	39,901	39,717	
pH (s.u.)																
	Influent Point(UK)	0	NR	D		6.7	6.7	6.8	7.2	7.1	7.2	7.2	7.2	7.3	7.1	
	Effluent Point(UK)	0	RO	D		7.2	7.2	7.2	7.3	7.3	7.3	7.4	7.4	7.4	7.4	
	MW-11(CG)	0	RO	M	6.35	6.32	6.23	6.18	6.21	6.19	6.17	NS	6.08	6.21	6.36	
	MW-1A(DG)	0	RO	M	5.95	5.91	5.98	6.01	6.07	6	5.95	NS	5.91	5.9	5.98	
	MW-1B(DG)	0	RO	M	6.65	6.47	6.48	6.58	6.62	6.74	6.72	NS	6.58	6.64	6.83	
	MW-2(UG)	0	RO	M	6.15	5.95	6.11	6.15	6.31	6.28	6.01	NS	5.92	6.1	6.08	
	MW-8(CG)	0	RO	M	5.88	5.86	5.97	5.99	6.05	6.01	5.82	NS	5.91	5.78	5.91	
BOD (mg/l)																
	Influent Point(UK)	0	RO	M	320	330	236	258	252	288	293	351	425	305	233	
	Effluent Point(UK)	0	30	W	ND	ND(4)	17(4)	13.2(4)	6.3(4)	6(4)	ND(4)	12.5(4)	10.5(4)	8.4(4)	5.9(4)	
TSS (mg/l)																
	Influent Point(UK)	0	RO	M	96	134	64	50	90	131	74	144	130	82	60	
	Effluent Point(UK)	0	10	W	2.5	ND(4)	2(4)	57(4)	ND(4)	ND(4)	ND(4)	ND(4)	ND(4)	ND(4)	1.9(4)	
Total Solids (mg/l)																
	Influent Point(UK)	0	RO	M	760	690	610	600	410	640	590	54	700	580	600	
	Effluent Point(UK)	0	RO	M	28	350	330	400	230	370	300	290	305	310	320	
Nitrate-N (mg/l)																
	Effluent Point(UK)	0	10	W	6.01(4)	2.92(4)	3(4)	2.91(4)	1.42(4)	2.06(4)	1.77(4)	1.61(4)	2.29(4)	1.57(4)	4(4)	
	MW-11(CG)	0	10	Q		10.7			16.9				14.7		9.4	
	MW-1A(DG)	0	10	Q		3.73			4.2				4.36		3.87	
	MW-1B(DG)	0	10	Q		1.48			1.02				0.64		0.6	
	MW-2(UG)	0	10	Q		0.55			ND				0.67		0.86	
	MW-8(CG)	0	10	Q		2.09			2.69				3.72		3.79	
Total Nitrogen(NO3+NO2+TKN) (mg/l)																
	Effluent Point(UK)	0	10	W	9.07(4)	13.7(4)	7.27(4)	40(4)	15.16(4)	13.87(4)	18.03(4)	21.8(4)	17.45(4)	17.66(4)	10.54(4)	
	MW-11(CG)	0	RO	Q		10.7			16.9				14.7		9.4	
	MW-1A(DG)	0	RO	Q		3.73			4.2				4.36		3.87	
	MW-1B(DG)	0	RO	Q		1.48			1.02				0.64		0.6	
	MW-2(UG)	0	RO	Q		0.55			ND				0.67		0.86	
	MW-8(CG)	0	RO	Q		2.09			2.69				3.72		3.79	

Permit: 888
 Facility Name: CONCORD MEWS
 TOWN: CONCORD
 Basin: CONC

Monthly Maximum Data Report

Jul 01, 2014 through Jun 30, 2015

Contaminant

Sample Location	Permit Version	Permit Limit	Freq:	Jul 2014	Aug 2014	Sep 2014	Oct 2014	Nov 2014	Dec 2014	Jan 2015	Feb 2015	Mar 2015	Apr 2015	May 2015	Jun 2015
Total Phosphorus as P (mg/l)															
Effluent Point(UK)	0	RO	Q		ND			ND			ND				0.4
MW-11(CG)	0	RO	Q		ND			ND				ND			0.4
MW-1A(DG)	0	RO	Q		ND			ND				ND			0.4
MW-1B(DG)	0	RO	Q		ND			ND				ND			0.4
MW-2(UG)	0	RO	Q		ND			ND				ND			0.4
MW-8(CG)	0	RO	Q		ND			ND				ND			0.4
Ortho Phosphate (mg/l)															
Effluent Point(UK)	0	RO	Q		ND			ND			ND				0.4
MW-11(CG)	0	RO	Q		ND			ND				ND			0.4
MW-1A(DG)	0	RO	Q		ND			ND				ND			0.4
MW-1B(DG)	0	RO	Q		ND			ND				ND			0.4
MW-2(UG)	0	RO	Q		ND			ND				ND			0.4
MW-8(CG)	0	RO	Q		ND			ND				ND			0.4
Oil & Grease (mg/l)															
Effluent Point(UK)	0	15	M	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.9
UV Intensity (%)															
Effluent Point(UK)	0	RO	D												
Turbidity (NTUs)															
Effluent Point(UK)	0	5	D		1.53	0.79	1.6	1.01	0.63	1.84	0.49	0.65	2.2	2.98	
Fecal Coliform (/100 ml)															
Effluent Point(UK)	0	200	BW	2	ND(8)	ND(8)	4(8)	ND(8)	ND(8)	ND(8)	ND(8)	2(8)	ND(8)	1(8)	
Static Water Level (Feet)															
MW-11(CG)	0	RO	M	177.64	177.74	177.44	177.14	177.34	177.34	177.64	NS	177.14	171.74	171.54	
MW-1A(DG)	0	RO	M	161.2	161.1	160.7	160.5	160.6	160.7	161.4	NS	160.8	161.5	161.7	
MW-1B(DG)	0	RO	M	171.72	171.82	171.22	171.22	171.12	171.62	171.72	NS	171.32	172.02	171.82	
MW-2(UG)	0	RO	M	178.71	178.71	178.31	178.11	178.31	178.21	178.61	NS	177.91	178.61	178.31	
MW-8(CG)	0	RO	M	161.47	161.37	161.07	160.87	161.17	161.27	161.87	NS	161.37	162.07	161.97	
Specific Conductance (umhos/c)															
MW-11(CG)	0	RO	M	687	703	574	528	564	587	552	NS	577	618	616	
MW-1A(DG)	0	RO	M	209	233	232	252	260	268	258	NS	293	328	312	
MW-1B(DG)	0	RO	M	123	130	141	142	146	139	183	NS	183	160	117	
MW-2(UG)	0	RO	M	54	54.7	69.5	67.7	53.7	53.6	68.3	NS	63.7	78.4	97	
MW-8(CG)	0	RO	M	189	184	208	210	219	267	279	NS	320	360	413	

Permit: 888
 Facility Name: CONCORD MEWS
 TOWN: CONCORD
 Basin: CONC

Monthly Maximum Data Report

Jul 01, 2014 through Jun 30, 2015

Contaminant	Sample Location	Permit Version	Permit Limit	Freq:	Jul 2014	Aug 2014	Sep 2014	Oct 2014	Nov 2014	Dec 2014	Jan 2015	Feb 2015	Mar 2015	Apr 2015	May 2015	Jun 2015
Cadmium (mg/l)																
	Effluent Point(UK)	0	RO	Q		ND			ND			ND				ND
Copper (mg/l)																
	Effluent Point(UK)	0	RO	Q		ND			ND			ND				ND
Mercury (mg/l)																
	Effluent Point(UK)	0	RO	Q		ND			ND			ND				ND
Zinc (mg/l)																
	Effluent Point(UK)	0	RO	Q		0.05			0.05			0.05				45
Total Organic Carbon (mg/l)																
	Effluent Point(UK)	0	RO	SA					1.7							
	MW-11(CG)	0	RO	SA					ND							
	MW-1A(DG)	0	RO	SA					ND							
	MW-1B(DG)	0	RO	SA					ND							
	MW-2(UG)	0	RO	SA					ND							
	MW-8(CG)	0	RO	SA					ND							
Total VOC (ug/l)																
	Effluent Point(UK)	0	RO	A												ND
	MW-11(CG)	0	RO	A												ND
	MW-1A(DG)	0	RO	A												ND
	MW-1B(DG)	0	RO	A												ND
	MW-2(UG)	0	RO	A												6.1
	MW-8(CG)	0	RO	A												ND
Chloroform (ug/l)																
	MW-2(UG)	0	RO	A												6.1

Report Parameters

Permit: 888
 Date Range: July 01, 2014 - June 30, 2015
 Region: NE