

Permits

From: Miki Ehrlich
Sent: Thursday, October 22, 2015 3:34 PM
To: Permits
Subject: FW: Data inquiry
Attachments: TP - Yellowknife Fiddler's Treatment System.xlsx

Please post email and attachment to MV2009L3-0007 – Permit-Lic-Other Issuances – SNP program
Title – City of YK – ENR compilation of monitoring results for phosphorus at lagoon SNP sites – Oct22-15

From: Jeanne Arsenault [mailto:Jeanne_Arsenault@gov.nt.ca]
Sent: Thursday, October 22, 2015 2:38 PM
To: Miki Ehrlich
Subject: RE: Data inquiry

Hi Miki,

Yes, we've been compiling lots of data. The attached excel sheet was simplified to include Total Phosphorus only. Data was taken from Annual Reports for the years 2014, 2013, 2011, 2009, 2007 and 2005. Let me know if you have any questions.

Jeanne

From: Miki Ehrlich [mailto:mehrich@mvlwb.com]
Sent: Thursday, October 22, 2015 11:28 AM
To: Jeanne Arsenault
Subject: Data inquiry

Hi Jeanne,

I understand that as part of your work with the Wastewater Systems Effluent Regulations (WSER) group you are compiling data on various effluent components. Would you have any information to share on total phosphorus? There is a meeting next week to discuss nutrient management and monitoring for the City of Yellowknife's lagoon system and additional information on total phosphorus would be helpful for our discussions.

Thanks for any assistance you can provide,

Miki

Miki Ehrlich
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Discharge to Great Slave Lake

Yellowknife

Compliance Point at SNP 0032-F3
(Downstream from Decant/Discharge)

No Discharge EQCs at SNP 0032-10 - Decant Structure

2 0 1 4

	F1	F3	F6	
	Near Pt to GSL	Compliance Pt	Discharge Pt	
Date	TP	TP	TP	TP = Total Phosphorus
15/01/2014	1.51	2.49		
19/02/2014	2.35	2.97		
12/3/2014	2.91	3.62		
2/4/2014	3.53	4.12		
21/05/2014	0.403	0.241		
18/06/2014	0.937	1.24		
16/07/2014	0.923	1.9		
20/08/2014	0.962	1.28		
3/9/2014	0.907	0.694	3.29	
10/9/2014	1.1	0.442	3.16	Decant
17/09/2014	0.872	0.422	2.79	
24/09/2014	0.897	0.555	2.84	
1/10/2014	0.607	0.974	2.93	
8/10/2014	0.622	1.23	2.7	
15/10/2014	0.873	1.31	2.71	
22/10/2014	0.826	1.24	2.6	
29/10/2014	0.876	1.4	3.02	
5/11/2014	1.03	1.19	3.64	
12/11/2014	1.13	1.39	5.45	
19/11/2014	1.2	1.46	7.23	
26/11/2014	1.25	1.51	5.48	
3/12/2014	1.29	1.45	5.45	
10/12/2014	1.43	1.52	5.08	
17/12/2014	1.38	1.5		

2 0 1 3

	F1	F3	F6
	Near Pt to GSL	Compliance Pt	Discharge Pt
Date	TP	TP	TP
2/1/2013	2.45	3.1	
9/1/2013	2.41	3.38	
16/01/2013	2.62	3.72	
20/02/2013	4.19	5.47	
20/03/2013	5.64	6.35	
17/04/2013	6.53	7.31	

15/05/2013	0.0549	0.0537		
22/05/2013	1.01	0.897	3.87	
29/05/2013	0.768	0.899	3.69	
5/6/2013	0.744	1.03	3.97	
12/6/2013	0.894	1.14	3.92	
19/06/2013	0.896	1.2	4	
3/7/2013	0.931	1.63	4.4	
17/7/2013	0.759	1.52	3.77	
31/07/2013	0.715	1.83	3.6	
14/8/2013	0.729	2.26	2.97	
28/08/2013	0.79	1.98	3.24	Decant
4/9/2013	0.8	1.63	3.07	
11/9/2013	0.75	1.63	3.02	
18/09/2013	0.86	0.71		
25/09/2013	0.841	0.886	3.23	
2/10/2013	0.719	0.532	3.35	
9/10/2013	0.555	0.65	3.42	
16/10/2013	0.479	0.603	3.45	
23/10/2013	0.439	0.657	4.42	
30/10/2013	0.471	0.755	4.25	
6/11/2013	0.559	0.825	4.8	
13/11/2013	0.653	0.829	5.19	
20/11/2013	0.788	0.995	5.31	
27/11/2013	0.934	1.53	6.2	
4/12/2013	1.02	1.69	5.05	
11/12/2013	1.11	1.7		
18/11/2013	1.15	1.6		
2 0 1 1				
	F1	F3	F6	
	Near Pt to GSL	Compliance Pt	Discharge Pt	
Date	TP	TP	TP	
19/01/2011	2.06	2.8		
16/02/2011	1.56	5.03		
16/03/2011	1.89	7.69		
20/04/2011	3.97	9.95		
18/05/2011	0.66	0.48		
15/06/2011	0.55	1.37		
20/07/2011	0.58	1.05		
27/7/2011	0.65	0.75	3.42	
3/8/2011	0.76	1.03	4.48	
10/8/2011	0.58	0.96	3.69	
17/08/2011	1.01	1.87	3.36	
24/08/2011	0.96	2.39	3.5	
31/08/2011	1.46	2.79	3.2	Decant
7/9/2011	0.71	2.56	2.88	
14/09/2011	0.62	2.45	2.93	

21/09/2011	0.63	2.35	2.76
28/09/2011	1.47	2.05	2.83
5/10/2011	1.39	1.34	3.01
12/10/2011	1.31	1.69	3.03
19/10/2011	1.16	1.65	3.1
26/10/2011	1.18	1.65	3.11
2/11/2011	1.1	1.84	3.28
9/11/2011	1.12	1.8	2.97
16/11/2011	1.14	1.94	3.29
23/11/2011	1.35	2.29	3.98
30/11/2011	1.34	2.22	0.36
7/12/2011	1.39	2.17	
14/12/2011	1.49	2.21	
21/12/2011	1.72	2.56	
28/12/2011	1.61	2.59	

2 0 0 9

	F1	F3	F6
	Near Pt to GSL	Compliance Pt	Discharge Pt
Date	TP	TP	TP
21/01/2009	2.16	3.63	
18/02/2009	3.34	3.71	
18/03/2009	3.2	4.29	
15/04/2009	3.87	3.78	
20/05/2009	0.28	0.6	
17/06/2009	0.6	0.94	3.46
24/06/2009	0.44	1.36	3.12
2/7/2009	0.7	1.58	3.27
8/7/2009	0.73	2.11	3.68
15/07/2009	0.73	2.06	6.76
22/07/2009	0.74	2.06	4
29/7/2009	0.89	2.17	4.99
5/8/2009	0.63	1.16	3.99
12/8/2009	0.83	1.63	3.45
19/08/2009	0.63	1.67	3.67
26/08/2009	<0.01	0.06	0.17
2/9/2009	2.93	1.42	0.51
9/9/2009	0.62	1.54	3.95
16/9/2009	0.05	1.54	2.76
23/09/2009	0.68	2.11	3.33
30/09/2009	1	1.3	3.68
7/10/2009	0.92	1.26	3.4
16/10/2009	1.72	1.98	5.04
21/10/2009	1.5	2.02	5.24
28/10/2009	1.42	1.83	5.64
4/11/2009	1.47	1.48	4.24
13/11/2009	1.28	1.44	3.9

Decant on Sept 8, 2009

18/11/2009	1.33	1.48	3.6
25/11/2009	1.41	1.86	4.01
2/12/2009	0.62	1.87	3.65
16/12/2009	1.63	2.63	

2 0 0 7

	F1	F3	F6
	Near Pt to GSL	Compliance Pt	Discharge Pt
Date	TP	TP	TP
24/01/2007	<2	4	
21/02/2007	5	10	
22/03/2007	5	11	
25/04/2007	8	16	
24/05/2007	3	6	
20/06/2007	2	2	
25/7/2007	2	<2	43
22/8/2007	4	<2	43
12/9/2007	3	<2	23
26/9/2007	6	4	17
10/10/2007	1.12	1.66	3.97
24/10/2007	1.04	1.36	3.52
7/11/2007	1.02	1.59	4.38
21/11/2007	1.64	2.08	

Decant

2 0 0 5

	F1	F3	F6
	Near Pt to GSL	Compliance Pt	Discharge Pt
Date	TP	TP	TP
4/1/2005	2.01	2.94	
1/2/2005	2.63	6.3	
2/3/2005	3.37	7.14	
30/03/2005	4.33	9.94	
27/04/2005	1.27	1.4	
18/05/2005	0.39	0.9	
8/6/2005			4.79
15/06/2007	1	1.58	4.63
22/06/2007			4.83
29/06/2007			4.73
6/7/2005			4.36
12/7/2005			4.55
20/7/2005	0.76	0.48	4.77
27/7/2005			4
3/8/2005			4.2
10/8/2005			4.67
17/8/2005			4.04
24/8/2005	0.57	0.69	3.73
31/8/2005			3.55

Decant on Sept 6, 2005

