

City of Winnipeg  
Water and Waste Department  
West End Water Pollution Control Centre Monitoring Data

May 2016

Licence # 2669 E RR	File # 53.10	Final Effluent 24 Hour Composite						Final Effluent Grab Sample					
		Date	Raw Sewage Daily Flow	TSS	cBOD5	Ammonia	Ortho Phosphorus	Total Phosphorus	Total Nitrogen	Temp.	pH	Fecal Coliform	E.Coli
			ML	(mg/L)	(mg/L)	(kg NH3-N/day)	(mg/L-P)	(mg/L-P)*	(mg/L-N)*	(°C)	(units)	MPN/100 mL	
1-May-16	27.4	ns	ns	ns	ns	0.5	14.5	11.6	9.17	21	21		
2-May-16	26.3	45	13	127	0.03	0.5	14.2	ns	ns	ns	ns		
3-May-16	26.1	32	13	124	0.05	0.5	13.9	14.8	9.31	9	9		
4-May-16	25.4	50	12	107	0.02	0.5	13.6	14.3	9.09	43	43		
5-May-16	27.0	45	14	96	0.02	0.5	13.3	15.1	8.78	93	93		
6-May-16	27.0	44	18	94	<0.01	0.5	13.0	16.8	9.41	43	43		
7-May-16	27.2	44	12	75	0.07	0.4	12.6	15.1	9.28	nr	nr		
8-May-16	27.3	47	14	66	0.01	0.4	12.3	15.7	9.56	nr	nr		
9-May-16	26.7	59	13	52	0.02	0.4	12.0	16.1	9.93	9	9		
10-May-16	32.7	39	14	56	<0.01	0.4	11.6	16.0	9.93	9	9		
11-May-16	29.6	21	12	46	0.03	0.4	11.3	14.7	9.64	9	9		
12-May-16	28.1	25	13	43	<0.01	0.4	10.9	13.2	9.64	93	93		
13-May-16	27.3	23	10	33	<0.01	0.4	10.5	10.7	9.69	43	43		
14-May-16	27.3	27	11	35	0.01	0.4	10.2	8.3	9.60	43	43		
15-May-16	27.4	24	12	26	0.01	0.4	9.8	8.8	9.60	9	9		
16-May-16	26.3	17	11	26	<0.01	0.4	9.5	10.7	9.60	15	15		
17-May-16	25.8	22	10	16	<0.01	0.4	9.1	12.1	9.66	nr	23		
18-May-16	25.7	19	11	15	0.02	0.4	8.8	14.3	9.69	nr	9		
19-May-16	25.7	17	13	12	0.02	0.4	8.5	14.5	9.64	nr	9		
20-May-16	25.0	19	11	9	<0.01	0.4	8.2	15.7	9.64	nr	7		
21-May-16	24.0	20	10	7	0.02	0.3	7.9	17.6	9.72	<3	<3		
22-May-16	23.5	15	7	9	0.03	0.3	7.6	18.1	9.67	nr	4		
23-May-16	48.3	8	6	27	0.06	0.3	7.3	18.5	9.56	4	4		
24-May-16	31.5	6	6	22	0.08	0.3	7.1	19.3	9.63	nr	9		
25-May-16	33.2	10	7	38	0.16	0.3	6.9	19.8	9.27	240	240		
26-May-16	61.5	10	7	81	0.21	0.3	6.7	18.8	9.09	30	30		
27-May-16	46.7	12	7	82	0.28	0.3	6.5	19.3	8.85	4	4		
28-May-16	45.2	8	6	93	0.33	0.3	6.3	19.0	8.57	9	9		
29-May-16	37.7	13	9	92	0.40	0.3	6.1	19.1	8.29	4	4		
30-May-16	33.6	11	8	87	0.42	0.4	6.4	20.2	8.00	4	4		
31-May-16	49.4	14	6	148	0.50	0.4	6.6	19.1	7.88	23	23		
<b>Max:</b>	61.5												
<b>Min:</b>	23.5												
<b>Average:</b>	<b>31.5</b>	<b>25</b>	<b>11</b>	<b>58</b>	<b>0.09</b>			<b>15.6</b>	<b>9.31</b>				
<b>Total Flow:</b>	<b>975.9</b>												
<b>Geo.Mean:</b>										<b>16</b>	<b>14</b>		

**Notes:**

- (1) Effluent ammonia load based upon Raw Sewage flows and Final Cell NH3-N concentrations
- (2) nr - not recorded or no result; na - not analyzed; ns - no sample

- (3) Where value is expressed as less than (<), the value is halved and used in the calculations
- (4) \* = 30 day rolling average