

Monitoring Point 5 - Casino Site

EPL No. 1461

Licensee: Northern Co-operative Meat Company

Pollutant	Year 2012	Unit	Monitoring Results			Dates		
			Minimum	Mean	Maximum	Sampled	Obtained	Published
pH	pH units		10.2	10.4	10.6	10/05/2012	08/06/2012	10/12/2012
BOD	(mg/L)	6200	5900	6600	10/05/2012	08/06/2012	10/12/2012	
Chromium 6	(mg/L)	<0.05	<0.05	<0.05	10/05/2012	08/06/2012	10/12/2012	
Conductivity	(mS/cm)	9.4	10.5	11.7	10/05/2012	08/06/2012	10/12/2012	
Nitrogen (total)	(mg/L)	440	653	790	10/05/2012	08/06/2012	10/12/2012	
Oil & Grease	(mg/L)	42	73	120	10/05/2012	08/06/2012	10/12/2012	
Phosphorus (total)	(mg/L)	9.9	12	14	10/05/2012	08/06/2012	10/12/2012	
Total Dissolved Solids	(mg/L)	8100	9233	10000	10/05/2012	08/06/2012	10/12/2012	
Total Suspended Solids	(mg/L)	3700	4500	5300	10/05/2012	08/06/2012	10/12/2012	

Pollutant	Year 2012	Unit	Monitoring Results			Dates		
			Minimum	Mean	Maximum	Sampled	Obtained	Published
pH	pH units		11.2	11.3	11.4	01/11/2012	03/12/2012	10/12/2012
BOD	(mg/L)	8300	8567	11000	01/11/2012	03/12/2012	10/12/2012	
Chromium 6	(mg/L)	<0.01	<0.01	<0.01	01/11/2012	03/12/2012	10/12/2012	
Conductivity	(mS/cm)	11.5	11.6	11.7	01/11/2012	03/12/2012	10/12/2012	
Nitrogen (total)	(mg/L)	780	830	830	01/11/2012	03/12/2012	10/12/2012	
Oil & Grease	(mg/L)	240	460	620	01/11/2012	03/12/2012	10/12/2012	
Phosphorus (total)	(mg/L)	13	15	17	01/11/2012	03/12/2012	10/12/2012	
Total Dissolved Solids	(mg/L)	12000	12667	13000	01/11/2012	03/12/2012	10/12/2012	
Total Suspended Solids	(mg/L)	4900	5600	6700	01/11/2012	03/12/2012	10/12/2012	

Pollutant	Year 2013	Unit	Monitoring Results			Dates		
			Minimum	Mean	Maximum	Sampled	Obtained	Published
pH	pH units		10.1	10.5	10.9	11/04/2013	20/06/2013	21/06/2013
BOD	(mg/L)	4100	7533	9900	11/04/2013	20/06/2013	21/06/2013	
Chromium 6	(mg/L)	<0.005	<0.005	<0.005	11/04/2013	20/06/2013	21/06/2013	
Conductivity	(mS/cm)	8.7	9.1	9.6	11/04/2013	20/06/2013	21/06/2013	
Nitrogen (total)	(mg/L)	740	870	1030	11/04/2013	20/06/2013	21/06/2013	
Oil & Grease	(mg/L)	98	176	220	11/04/2013	20/06/2013	21/06/2013	
Phosphorus (total)	(mg/L)	13	15	16	11/04/2013	20/06/2013	21/06/2013	
Total Dissolved Solids	(mg/L)	10000	11000	12000	11/04/2013	20/06/2013	21/06/2013	
Total Suspended Solids	(mg/L)	4400	4867	5500	11/04/2013	20/06/2013	21/06/2013	

Pollutant	Year 2013	Unit	Monitoring Results			Dates		
			Minimum	Mean	Maximum	Sampled	Obtained	Published
pH	pH units		9.5	10.4	11.8	10/10/2013	07/11/2013	13/11/2013
BOD	(mg/L)	1700	1833	1900	10/10/2013	07/11/2013	13/11/2013	
Chromium 6	(mg/L)	<0.5	<0.5	<0.5	10/10/2013	07/11/2013	13/11/2013	
Conductivity	(mS/cm)	6.6	8.7	11.8	10/10/2013	07/11/2013	13/11/2013	
Nitrogen (total)	(mg/L)	550	833	1100	10/10/2013	07/11/2013	13/11/2013	
Oil & Grease	(mg/L)	980	1193	1600	10/10/2013	07/11/2013	13/11/2013	
Phosphorus (total)	(mg/L)	14	15	16	10/10/2013	07/11/2013	13/11/2013	
Total Dissolved Solids	(mg/L)	10000	10667	11000	10/10/2013	07/11/2013	13/11/2013	
Total Suspended Solids	(mg/L)	3300	4333	5200	10/10/2013	07/11/2013	13/11/2013	

Pollutant	Year 2014	Unit	Monitoring Results			Dates		
			Minimum	Mean	Maximum	Sampled	Obtained	Published
pH	pH units		9.3	10	10.6	13/03/2014	13/03/2014	11/04/2014
BOD	(mg/L)	4300	4967	5800	13/03/2014	03/04/2014	11/04/2014	
Chromium 6	(mg/L)	<0.05	0.2	0.28	13/03/2014	16/04/2014	02/05/2014	
Conductivity	(mS/cm)	4900	5100	5300	13/03/2014	03/04/2014	11/04/2014	
Nitrogen (total)	(mg/L)	420	757	940	13/03/2014	03/04/2014	11/04/2014	
Oil & Grease	(mg/L)	1500	1933	2700	13/03/2014	03/04/2014	11/04/2014	
Phosphorus (total)	(mg/L)	14	15.7	17	13/03/2014	11/04/2014	11/04/2014	
Total Dissolved Solids	(mg/L)	11000	11000	11000	13/03/2014	03/04/2014	11/04/2014	
Total Suspended Solids	(mg/L)	4300	5400	6000	13/03/2014	03/04/2014	11/04/2014	

Pollutant	Year 2014	Unit	Monitoring Results			Dates		
			Minimum	Mean	Maximum	Sampled	Obtained	Published
pH	pH units		11.7	12	12.3	06/11/2014	06/11/2014	20/11/2014
BOD	(mg/L)	1700	1733	1800	06/11/2014	18/11/2014	20/11/2014	
Chromium 6	(mg/L)	<0.05	<0.05	<0.05	06/11/2014	18/11/2014	20/11/2014	
Conductivity	(mS/cm)	8480	9200	9600	06/11/2014	18/11/2014	20/11/2014	
Nitrogen (total)	(mg/L)	780	960	1100	06/11/2014	18/11/2014	20/11/2014	
Oil & Grease	(mg/L)	120	393	610	06/11/2014	18/11/2014	20/11/2014	
Phosphorus (total)	(mg/L)	13	15.3	19	06/11/2014	18/11/2014	20/11/2014	
Total Dissolved Solids	(mg/L)	8100	10333	11300	06/11/2014	18/11/2014	20/11/2014	
Total Suspended Solids	(mg/L)	2800	3700	5100	06/11/2014	18/11/2014	20/11/2014	

Pollutant	Year 2015	Unit	Monitoring Results			Dates		
			Minimum	Mean	Maximum	Sampled	Obtained	Published
pH	pH units		9.9	10.7	11.7	16/07/2015	23/07/2015	17/09/2015
BOD	(mg/L)	910	1047	1300	16/07/2015	23/07/2015	17/09/2015	
Chromium 6	(mg/L)	<0.05	<0.05	<0.1	16/07/2015	23/07/2015	17/09/2015	
Conductivity	(mS/cm)	8900	9267	10000	16/07/2015	23/07/2015	17/09/2015	
Nitrogen (total)	(mg/L)	640	720	760	16/07/2015	23/07/2015	17/09/2015	
Oil & Grease	(mg/L)	110	177	280	16/07/2015	23/07/2015	17/09/2015	
Phosphorus (total)	(mg/L)	7.4	10.1	13	16/07/2015	23/07/2015	17/09/2015	
Total Dissolved Solids	(mg/L)	6200	10000	12000	16/07/2015	23/07/2015	17/09/2015	
Total Suspended Solids	(mg/L)	1300	1967	2500	16/07/2015	23/07/2015	17/09/2015	

Pollutant	Year 2015	Unit	Monitoring Results			Dates		
			Minimum	Mean	Maximum	Sampled	Obtained	Published
pH	pH units		9.9	10.3	10.4	11/05/2015	26/11/2015	12/03/2015
BOD	(mg/L)	4000	4067	4100	11/05/2015	26/11/2015	12/03/2015	
Chromium 6	(mg/L)	<0.05	<0.05	<0.05	11/05/2015	26/11/2015	12/03/2015	
Conductivity	(mS/cm)	9000	10467	13000	11/05/2015	26/11/2015	12/03/2015	
Nitrogen (total)	(mg/L)	630	907	1100	11/05/2015	26/11/2015	12/03/2015	
Oil & Grease	(mg/L)	490	416	870	11/05/2015	26/11/2015	12/03/2015	
Phosphorus (total)	(mg/L)	5.8	15.9	27	11/05/2015	26/11/2015	12/03/2015	
Total Dissolved Solids	(mg/L)	12000	13667	16000	11/05/2015	26/11/2015	12/03/2015	
Total Suspended Solids	(mg/L)	6500	11500	14000	11/05/2015	26/11/2015	12/03/2015	

Pollutant	Year 2016	Unit	Monitoring Results			Dates		
			Minimum	Mean	Maximum	Sampled	Obtained	Published
pH	pH units		8.54	11/04/2016	22/04/2016	27/01/2017		
BOD	(mg/L)	4310	11/04/2016	22/04/2016	27/01/2017			
Chromium 6	(mg/L)	0.05	11/04/2016	22/04/2016	27/01/2017			
Conductivity	(mS/cm)	12330	11/04/2016	22/04/2016	27/01/2017			
Nitrogen (total)	(mg/L)	670	11/04/2016	22/04/2016	27/01/2017			
Oil & Grease	(mg/L)	194	11/04/2016	22/04/2016	27/01/2017			
Phosphorus (total)	(mg/L)	4.97	11/04/2016	22/04/2016	27/01/2017			
Total Dissolved Solids	(mg/L)	6330	11/04/2016	22/04/2016	27/01/2017			
Total Suspended Solids	(mg/L)	960	11/04/2016	22/04/2016	27/01/2017			

Pollutant	Year 2016	Unit	Monitoring Results			Dates		
			Minimum	Mean	Maximum	Sampled	Obtained	Published
pH	pH units		9.35	21/10/2016	20/11/2016	27/01/2017		
BOD	(mg/L)	5630	11/04/2016	20/11/2016	27/01/2017			
Chromium 6	(mg/L)	<0.1	11/04/2016	20/11/2016	27/01/2017			
Conductivity	(mS/cm)	11650	11/04/2016	20/11/2016	27/01/2017			
Nitrogen (total)	(mg/L)	914	11/04/2016	20/11/2016	27/01/2017			
Oil & Grease	(mg/L)	791	11/04/2016	20/11/2016	27/01/2017			
Phosphorus (total)	(mg/L)	14.3	11/04/2016	20/11/2016	27/01/2017			
Total Dissolved Solids	(mg/L)	10250	11/04/2016	20/11/2016	27/01/2017			
Total Suspended Solids	(mg/L)	3440	11/04/2016	20/11/2016	27/01/2017			

Pollutant	Year 2016	Unit	Monitoring Results			Dates		
			Minimum	Mean	Maximum	Sampled	Obtained	Published
pH	pH units		7.26	19/01/2017	23/11/2017	05/12/2017		
BOD	(mg/L)	5890	19/01/2017	23/11/2017	05/12/2017			
Chromium 6	(mg/L)	<0.05	19/01/2017	23/11/2017	05/12/2017			
Conductivity	(mS/cm)	13900	19/01/2017	23/11/2017	05/12/2017			
Nitrogen (total)	(mg/L)	794	19/01/2017	23/11/2017	05/12/2017			
Oil & Grease	(mg/L)	746	19/01/2017	23/11/2017	05/12/2017			
Phosphorus (total)	(mg/L)	12.8	19/01/2017	23/11/2017	05/12/2017			
Total Dissolved Solids	(mg/L)	4400	19/01/2017	23/11/2017	05/12/2017			
Total Suspended Solids	(mg/L)	3460	19/01/2017	23/11/2017	05/12/2017			

Pollutant	Year 2017	Unit	Monitoring Results			Dates		
			Minimum	Mean	Maximum	Sampled	Obtained	Published
pH	pH units		10.42	28/04/2017	23/11/2017	05/12/2017		
BOD	(mg/L)	4800	28/04/2017	23/11/2017	05/12/2017			
Chromium 6	(mg/L)	<0.5	28/04/2017	23/11/2017	05/12/2017			
Conductivity	(mS/cm)							

Conductivity	(microS/cm)	11440	29/03/2018	20/11/2018	26/11/2018
Nitrogen (total)	(mg/L)	139	29/03/2018	20/11/2018	26/11/2018
Oil & Grease	(mg/L)	223	29/03/2018	20/11/2018	26/11/2018
Phosphorus (total)	(mg/L)	4.3	29/03/2018	20/11/2018	26/11/2018
Total Dissolved Solids	(mg/L)	8382	29/03/2018	20/11/2018	26/11/2018
Total Suspended Solids	(mg/L)	535	29/03/2018	20/11/2018	26/11/2018

Year 2018		Monitoring Results	Dates		
Pollutant	Unit		Sampled	Obtained	Published
pH	pH units	6.82	06/07/2018	20/11/2018	26/11/2018
BOD	(mg/L)	705	06/07/2018	20/11/2018	26/11/2018
Chromium 6	(mg/L)	0.001	06/07/2018	20/11/2018	26/11/2018
Conductivity	(microS/cm)	821	06/07/2018	20/11/2018	26/11/2018
Nitrogen (total)	(mg/L)	64.6	06/07/2018	20/11/2018	26/11/2018
Oil & Grease	(mg/L)	99	06/07/2018	20/11/2018	26/11/2018
Phosphorus (total)	(mg/L)	1.95	06/07/2018	20/11/2018	26/11/2018
Total Dissolved Solids	(mg/L)	-	06/07/2018	20/11/2018	26/11/2018
Total Suspended Solids	(mg/L)	298	06/07/2018	20/11/2018	26/11/2018

Year 2018		Monitoring Results	Dates		
Pollutant	Unit		Sampled	Obtained	Published
pH	pH units	7.42	04/10/2018	20/11/2018	26/11/2018
BOD	(mg/L)	762	04/10/2018	20/11/2018	26/11/2018
Chromium 6	(mg/L)	<0.004	04/10/2018	20/11/2018	26/11/2018
Conductivity	(microS/cm)	6490	04/10/2018	20/11/2018	26/11/2018
Nitrogen (total)	(mg/L)	61.7	04/10/2018	20/11/2018	26/11/2018
Oil & Grease	(mg/L)	113	04/10/2018	20/11/2018	26/11/2018
Phosphorus (total)	(mg/L)	2.05	04/10/2018	20/11/2018	26/11/2018
Total Dissolved Solids	(mg/L)	-	04/10/2018	20/11/2018	26/11/2018
Total Suspended Solids	(mg/L)	338	04/10/2018	20/11/2018	26/11/2018

Year 2019		Monitoring Results	Dates		
Pollutant	Unit		Sampled	Obtained	Published
pH	pH units	7.35	08/01/2019	19/02/2019	19/02/2019
BOD	(mg/L)	1487	08/01/2019	19/02/2019	19/02/2019
Chromium 6	(mg/L)	0.001	08/01/2019	19/02/2019	19/02/2019
Conductivity	(microS/cm)	11700	08/01/2019	19/02/2019	19/02/2019
Nitrogen (total)	(mg/L)	84.3	08/01/2019	19/02/2019	19/02/2019
Oil & Grease	(mg/L)	444	08/01/2019	19/02/2019	19/02/2019
Phosphorus (total)	(mg/L)	2.35	08/01/2019	19/02/2019	19/02/2019
Total Dissolved Solids	(mg/L)	7967	08/01/2019	19/02/2019	19/02/2019
Total Suspended Solids	(mg/L)	740	08/01/2019	19/02/2019	19/02/2019

Year 2019		Monitoring Results	Dates		
Pollutant	Unit		Sampled	Obtained	Published
pH	pH units	7.73	01/03/2019	27/07/2019	05/12/2019
BOD	(mg/L)	2590	01/03/2019	27/07/2019	05/12/2019
Chromium 6	(mg/L)	<0.004	01/03/2019	27/07/2019	05/12/2019
Conductivity	(microS/cm)	11900	01/03/2019	27/07/2019	05/12/2019
Nitrogen (total)	(mg/L)	269	01/03/2019	27/07/2019	05/12/2019
Oil & Grease	(mg/L)	365	01/03/2019	27/07/2019	05/12/2019
Phosphorus (total)	(mg/L)	17.57	01/03/2019	27/07/2019	05/12/2019
Total Dissolved Solids	(mg/L)	10700	01/03/2019	27/07/2019	05/12/2019
Total Suspended Solids	(mg/L)	2580	01/03/2019	27/07/2019	05/12/2019

Year 2019		Monitoring Results	Dates		
Pollutant	Unit		Sampled	Obtained	Published
pH	pH units	9.05	04/07/2019	26/07/2019	05/12/2019
BOD	(mg/L)	1847	04/07/2019	26/07/2019	05/12/2019
Chromium 6	(mg/L)	0.022	04/07/2019	26/07/2019	05/12/2019
Conductivity	(microS/cm)	7080	04/07/2019	26/07/2019	05/12/2019
Nitrogen (total)	(mg/L)	283	04/07/2019	26/07/2019	05/12/2019
Oil & Grease	(mg/L)	77	04/07/2019	26/07/2019	05/12/2019
Phosphorus (total)	(mg/L)	2.38	04/07/2019	26/07/2019	05/12/2019
Total Dissolved Solids	(mg/L)	6130	04/07/2019	26/07/2019	05/12/2019
Total Suspended Solids	(mg/L)	470	04/07/2019	26/07/2019	05/12/2019

Year 2019		Monitoring Results	Dates		
Pollutant	Unit		Sampled	Obtained	Published
pH	pH units	7.29	03/10/2019	11/10/2019	05/12/2019
BOD	(mg/L)	5140	03/10/2019	11/10/2019	05/12/2019
Chromium 6	(mg/L)	0.264	03/10/2019	11/10/2019	05/12/2019
Conductivity	(microS/cm)	6620	03/10/2019	11/10/2019	05/12/2019
Nitrogen (total)	(mg/L)	244	03/10/2019	11/10/2019	05/12/2019
Oil & Grease	(mg/L)	47	03/10/2019	11/10/2019	05/12/2019
Phosphorus (total)	(mg/L)	2.57	03/10/2019	11/10/2019	05/12/2019
Total Dissolved Solids	(mg/L)	4150	03/10/2019	11/10/2019	05/12/2019
Total Suspended Solids	(mg/L)	184	03/10/2019	11/10/2019	05/12/2019

Year 2020		Monitoring Results	Dates		
Pollutant	Unit		Sampled	Obtained	Published
pH	pH units	7.38	06/03/2020	31/03/2020	07/04/2020
BOD	(mg/L)	1890	06/03/2020	31/03/2020	07/04/2020
Chromium 6	(mg/L)	<0.004	06/03/2020	31/03/2020	07/04/2020
Conductivity	(microS/cm)	6120	06/03/2020	31/03/2020	07/04/2020
Nitrogen (total)	(mg/L)	159	06/03/2020	31/03/2020	07/04/2020
Oil & Grease	(mg/L)	275	06/03/2020	31/03/2020	07/04/2020
Phosphorus (total)	(mg/L)	3.76	06/03/2020	31/03/2020	07/04/2020
Total Dissolved Solids	(mg/L)	4360	06/03/2020	31/03/2020	07/04/2020
Total Suspended Solids	(mg/L)	882	06/03/2020	31/03/2020	07/04/2020

Year 2020		Monitoring Results	Dates		
Pollutant	Unit		Sampled	Obtained	Published
pH	pH units	7.35	02/07/2020	14/07/2020	28/09/2020
BOD	(mg/L)	2170	02/07/2020	14/07/2020	28/09/2020
Chromium 6	(mg/L)	<0.004	02/07/2020	14/07/2020	28/09/2020
Conductivity	(microS/cm)	6750	02/07/2020	14/07/2020	28/09/2020
Nitrogen (total)	(mg/L)	292	02/07/2020	14/07/2020	28/09/2020
Oil & Grease	(mg/L)	278	02/07/2020	14/07/2020	28/09/2020
Phosphorus (total)	(mg/L)	4.57	02/07/2020	14/07/2020	28/09/2020
Total Dissolved Solids	(mg/L)	4150	02/07/2020	14/07/2020	28/09/2020
Total Suspended Solids	(mg/L)	960	02/07/2020	14/07/2020	28/09/2020

Year 2020		Monitoring Results	Dates		
Pollutant	Unit		Sampled	Obtained	Published
pH	pH units	7.91	01/10/20	20/10/2020	20/10/2020
BOD	(mg/L)	3990	01/10/20	20/10/2020	20/10/2020
Chromium 6	(mg/L)	<0.004	01/10/20	20/10/2020	20/10/2020
Conductivity	(microS/cm)	6963	01/10/20	20/10/2020	20/10/2020
Nitrogen (total)	(mg/L)	348	01/10/20	20/10/2020	20/10/2020
Oil & Grease	(mg/L)	173	01/10/20	20/10/2020	20/10/2020
Phosphorus (total)	(mg/L)	4.84	01/10/20	20/10/2020	20/10/2020
Total Dissolved Solids	(mg/L)	6100	01/10/20	20/10/2020	20/10/2020
Total Suspended Solids	(mg/L)	1033	01/10/20	20/10/2020	20/10/2020

Year 2021		Monitoring Results	Dates		
Pollutant	Unit		Sampled	Obtained	Published
pH	pH units	12.07	21/01/21	15/02/2021	18/02/2021
BOD	(mg/L)	3659	21/01/21	15/02/2021	18/02/2021
Chromium 6	(mg/L)	0.008	21/01/21	15/02/2021	18/02/2021
Conductivity	(microS/cm)	6208	21/01/21	15/02/2021	18/02/2021
Nitrogen (total)	(mg/L)	45.31	21/01/21	15/02/2021	18/02/2021
Oil & Grease	(mg/L)	198	21/01/21	15/02/2021	18/02/2021
Phosphorus (total)	(mg/L)	6.01	21/01/21	15/02/2021	18/02/2021
Total Dissolved Solids	(mg/L)	7450	21/01/21	15/02/2021	18/02/2021
Total Suspended Solids	(mg/L)	1540	21/01/21	15/02/2021	18/02/2021

Year 2021		Monitoring Results	Dates		
Pollutant	Unit		Sampled	Obtained	Published
pH	pH units	8.16	09/04/21	13/05/2021	14/05/2021
BOD	(mg/L)	680	09/04/21	13/05/2021	14/05/2021
Chromium 6	(mg/L)	<0.004	09/04/21	13/05/2021	14/05/2021
Conductivity	(microS/cm)	3476	09/04/21	13/05/2021	14/05/2021
Nitrogen (total)	(mg/L)	87.4	09/04/21	13/05/2021	14/05/2021
Oil & Grease	(mg/L)	34	09/04/21	13/05/2021	14/05/2021
Phosphorus (total)	(mg/L)	1.37	09/04/21	13/05/2021	14/05/2021
Total Dissolved Solids	(mg/L)	2502	09/04/21	13/05/2021	14/05/2021
Total Suspended Solids	(mg/L)	437	09/04/21	13/05/2021	14/05/2021

Year 2021		Monitoring Results	Dates		
Pollutant	Unit		Sampled	Obtained	Published
pH	pH units	9.02	14/07/21	01/08/2021	28/09/2021
BOD	(mg/L)	2778	14/07/21	01/08/2021	28/09/2021
Chromium 6	(mg/L)	<0.004	14/07/21	01/08/2021	28/09/2021
Conductivity	(microS/cm)	6000	14/07/21	01/08/2021	28/09/2021
Nitrogen (total)	(mg/L)	226	14/07/21	01/08/2021	28/09/2021
Oil & Grease	(mg/L)	638	14/07/21	01/08/2021	28/09/2021
Phosphorus (total)	(mg/L)	5.26	14/07/21	01/08/2021	28/09/2021
Total Dissolved Solids	(mg/L)	3980	14/07/21	01/08/2021	28/09/2021
Total Suspended Solids	(mg/L)	2603	14/07/21	01/08/2021	28/09/2021