

Monitoring Point 5 - Casino Site Licensee: EPL No. 1461 Northern Co-operative Meat Company

Year 2012				Monitoring Results			Dates			
Pollutant	Unit	Minimum	Mean	Maximum	Sampled	Observed	Published			
pH	pH units	8.2	10.4	10.6	10/20/2012	08/09/2012	10/12/2012			
EC2	(mg/L)	4008	7233	8800	10/20/2012	08/09/2012	10/12/2012			
Chromium 6	(mg/L)	<0.05	<0.05	<0.05	10/20/2012	08/09/2012	10/12/2012			
Conductivity	(microS/cm)	80	144	117	01/10/2012	02/10/2012	10/12/2012			
Nitrate (Nit)	(mg/L)	440	825	750	10/20/2012	08/09/2012	10/12/2012			
Oil & Grease	(mg/L)	42	72	120	10/20/2012	08/09/2012	10/12/2012			
Phosphorus (Tot)	(mg/L)	8.9	12	14	10/20/2012	08/09/2012	10/12/2012			
Total Dissolved Solids	(mg/L)	8000	8225	10000	10/20/2012	08/09/2012	10/12/2012			
Total Suspended Solids	(mg/L)	3700	4900	5300	10/20/2012	08/09/2012	10/12/2012			

Year 2012				Monitoring Results			Dates			
Pollutant	Unit	Minimum	Mean	Maximum	Sampled	Observed	Published			
pH	pH units	11.2	11.1	11.9	01/10/2012	02/10/2012	10/12/2012			
EC2	(mg/L)	8300	9627	11000	01/10/2012	02/10/2012	10/12/2012			
Chromium 6	(mg/L)	<0.05	<0.05	<0.05	10/20/2012	08/09/2012	10/12/2012			
Conductivity	(microS/cm)	80	144	117	01/10/2012	02/10/2012	10/12/2012			
Nitrate (Nit)	(mg/L)	440	825	750	10/20/2012	08/09/2012	10/12/2012			
Oil & Grease	(mg/L)	42	72	120	01/10/2012	02/10/2012	10/12/2012			
Phosphorus (Tot)	(mg/L)	13	15	17	01/10/2012	02/10/2012	10/12/2012			
Total Dissolved Solids	(mg/L)	10000	10000	10000	01/10/2012	02/10/2012	10/12/2012			
Total Suspended Solids	(mg/L)	6000	5800	6700	01/10/2012	02/10/2012	10/12/2012			

Year 2013				Monitoring Results			Dates			
Pollutant	Unit	Minimum	Mean	Maximum	Sampled	Observed	Published			
pH	pH units	10.1	10.5	10.9	11/04/2013	09/20/2013	21/06/2013			
EC2	(mg/L)	4700	7233	8800	11/04/2013	09/20/2013	21/06/2013			
Chromium 6	(mg/L)	<0.05	<0.05	<0.05	11/04/2013	09/20/2013	21/06/2013			
Conductivity	(microS/cm)	80	144	117	11/04/2013	09/20/2013	21/06/2013			
Nitrate (Nit)	(mg/L)	440	825	750	11/04/2013	09/20/2013	21/06/2013			
Oil & Grease	(mg/L)	38	78	200	11/04/2013	09/20/2013	21/06/2013			
Phosphorus (Tot)	(mg/L)	13	15	17	11/04/2013	09/20/2013	21/06/2013			
Total Dissolved Solids	(mg/L)	10000	10000	10000	11/04/2013	09/20/2013	21/06/2013			
Total Suspended Solids	(mg/L)	4000	4000	4000	11/04/2013	09/20/2013	21/06/2013			

Year 2013				Monitoring Results			Dates			
Pollutant	Unit	Minimum	Mean	Maximum	Sampled	Observed	Published			
pH	pH units	9.5	10.4	11.8	10/20/2013	07/11/2013	13/11/2013			
EC2	(mg/L)	4700	7233	8800	10/20/2013	07/11/2013	13/11/2013			
Chromium 6	(mg/L)	<0.05	<0.05	<0.05	10/20/2013	07/11/2013	13/11/2013			
Conductivity	(microS/cm)	80	144	117	10/20/2013	07/11/2013	13/11/2013			
Nitrate (Nit)	(mg/L)	500	825	1100	10/20/2013	07/11/2013	13/11/2013			
Oil & Grease	(mg/L)	800	1100	1200	10/20/2013	07/11/2013	13/11/2013			
Phosphorus (Tot)	(mg/L)	14	15	16	10/20/2013	07/11/2013	13/11/2013			
Total Dissolved Solids	(mg/L)	10000	10000	11000	10/20/2013	07/11/2013	13/11/2013			
Total Suspended Solids	(mg/L)	3000	4200	5000	10/20/2013	07/11/2013	13/11/2013			

Year 2014				Monitoring Results			Dates			
Pollutant	Unit	Minimum	Mean	Maximum	Sampled	Observed	Published			
pH	pH units	9.3	10	10.6	12/02/2014	10/20/2014	11/04/2014			
EC2	(mg/L)	4000	4900	5800	12/02/2014	10/20/2014	11/04/2014			
Chromium 6	(mg/L)	<0.05	<0.05	<0.05	12/02/2014	10/20/2014	11/04/2014			
Conductivity	(microS/cm)	4000	5100	5300	12/02/2014	10/20/2014	11/04/2014			
Nitrate (Nit)	(mg/L)	700	825	900	12/02/2014	10/20/2014	11/04/2014			
Oil & Grease	(mg/L)	1000	1000	1300	12/02/2014	10/20/2014	11/04/2014			
Phosphorus (Tot)	(mg/L)	14	15	17	12/02/2014	10/20/2014	11/04/2014			
Total Dissolved Solids	(mg/L)	11000	11000	11000	12/02/2014	10/20/2014	11/04/2014			
Total Suspended Solids	(mg/L)	4000	6400	3000	12/02/2014	10/20/2014	11/04/2014			

Year 2014				Monitoring Results			Dates			
Pollutant	Unit	Minimum	Mean	Maximum	Sampled	Observed	Published			
pH	pH units	11.7	12	12.3	06/11/2014	06/11/2014	20/11/2014			
EC2	(mg/L)	1700	1725	1800	06/11/2014	06/11/2014	20/11/2014			
Chromium 6	(mg/L)	<0.05	<0.05	<0.05	06/11/2014	06/11/2014	20/11/2014			
Conductivity	(microS/cm)	800	820	850	06/11/2014	06/11/2014	20/11/2014			
Nitrate (Nit)	(mg/L)	150	300	610	06/11/2014	06/11/2014	20/11/2014			
Oil & Grease	(mg/L)	13	15.3	19	06/11/2014	06/11/2014	20/11/2014			
Phosphorus (Tot)	(mg/L)	8000	10000	11000	06/11/2014	06/11/2014	20/11/2014			
Total Dissolved Solids	(mg/L)	3000	4200	5000	06/11/2014	06/11/2014	20/11/2014			
Total Suspended Solids	(mg/L)	3000	4200	5000	06/11/2014	06/11/2014	20/11/2014			

Year 2015				Monitoring Results			Dates			
Pollutant	Unit	Minimum	Mean	Maximum	Sampled	Observed	Published			
pH	pH units	9.9	10.7	11.7	16/07/2015	20/07/2015	17/09/2015			
EC2	(mg/L)	910	1007	1200	16/07/2015	20/07/2015	17/09/2015			
Chromium 6	(mg/L)	<0.05	<0.05	<0.05	16/07/2015	20/07/2015	17/09/2015			
Conductivity	(microS/cm)	800	820	850	16/07/2015	20/07/2015	17/09/2015			
Nitrate (Nit)	(mg/L)	640	720	780	16/07/2015	20/07/2015	17/09/2015			
Oil & Grease	(mg/L)	110	120	130	16/07/2015	20/07/2015	17/09/2015			
Phosphorus (Tot)	(mg/L)	7.4	10.1	13	16/07/2015	20/07/2015	17/09/2015			
Total Dissolved Solids	(mg/L)	8000	10000	11000	16/07/2015	20/07/2015	17/09/2015			
Total Suspended Solids	(mg/L)	3000	1900	2000	16/07/2015	20/07/2015	17/09/2015			

Year 2015				Monitoring Results			Dates			
Pollutant	Unit	Minimum	Mean	Maximum	Sampled	Observed	Published			
pH	pH units	9.9	10.1	10.4	11/09/2015	20/11/2015	12/03/2015			
EC2	(mg/L)	4000	4900	5800	11/09/2015	20/11/2015	12/03/2015			
Chromium 6	(mg/L)	<0.05	<0.05	<0.05	11/09/2015	20/11/2015	12/03/2015			
Conductivity	(microS/cm)	8000	10400	13000	11/09/2015	20/11/2015	12/03/2015			
Nitrate (Nit)	(mg/L)	400	700	1300	11/09/2015	20/11/2015	12/03/2015			
Oil & Grease	(mg/L)	490	490	870	11/09/2015	20/11/2015	12/03/2015			
Phosphorus (Tot)	(mg/L)	8.8	10.1	12	11/09/2015	20/11/2015	12/03/2015			
Total Dissolved Solids	(mg/L)	10000	13000	16000	11/09/2015	20/11/2015	12/03/2015			
Total Suspended Solids	(mg/L)	4000	11000	11000	11/09/2015	20/11/2015	12/03/2015			

Year 2016				Monitoring Results			Dates			
Pollutant	Unit	Minimum	Mean	Maximum	Sampled	Observed	Published			
pH	pH units	8.54	11/04/2016	20/04/2016	23/01/2017					
EC2	(mg/L)	4000	11/04/2016	20/04/2016	23/01/2017					
Chromium 6	(mg/L)	2.055	11/04/2016	20/04/2016	23/01/2017					
Conductivity	(microS/cm)	10300	11/04/2016	20/04/2016	23/01/2017					
Nitrate (Nit)	(mg/L)	275	11/04/2016	20/04/2016	23/01/2017					
Oil & Grease	(mg/L)	154	11/04/2016	20/04/2016	23/01/2017					
Phosphorus (Tot)	(mg/L)	4.52	11/04/2016	20/04/2016	23/01/2017					
Total Dissolved Solids	(mg/L)	6033	11/04/2016	20/04/2016	23/01/2017					
Total Suspended Solids	(mg/L)	800	11/04/2016	20/04/2016	23/01/2017					

Year 2016				Monitoring Results			Dates			
Pollutant	Unit	Minimum	Mean	Maximum	Sampled	Observed	Published			
pH	pH units	9.35	21/10/2016	20/11/2016	23/01/2017					
EC2	(mg/L)	4000	21/10/2016	20/11/2016	23/01/2017					
Chromium 6	(mg/L)	<0.1	11/04/2016	20/11/2016	23/01/2017					
Conductivity	(microS/cm)	11000	11/04/2016	20/11/2016	23/01/2017					
Nitrate (Nit)	(mg/L)	914	11/04/2016	20/11/2016	23/01/2017					
Oil & Grease	(mg/L)	794	11/04/2016	20/11/2016	23/01/2017					
Phosphorus (Tot)	(mg/L)	14.8	11/04/2016	20/11/2016	23/01/2017					
Total Dissolved Solids	(mg/L)	10520	11/04/2016	20/11/2016	23/01/2017					
Total Suspended Solids	(mg/L)	3400	11/04/2016	20/11/2016	23/01/2017					

Year 2017				Monitoring Results			Dates			
Pollutant	Unit	Minimum	Mean	Maximum	Sampled	Observed	Published			

Parameter	Unit	Value	04/01/2019	05/01/2019	05/12/2019
Conductivity	(mcms/cm)	780	04/01/2019	05/01/2019	05/12/2019
Chromium 6	(mg/L)	20	04/01/2019	05/01/2019	05/12/2019
Chloride	(mg/L)	32	04/01/2019	05/01/2019	05/12/2019
Chlorine	(mg/L)	2.6	04/01/2019	05/01/2019	05/12/2019
Phosphate (total)	(mg/L)	0.26	04/01/2019	05/01/2019	05/12/2019
Total Dissolved Solids	(mg/L)	610	04/01/2019	05/01/2019	05/12/2019
Total Suspended Solids	(mg/L)	470	04/01/2019	05/01/2019	05/12/2019

Year	Parameter	Unit	Value	Sampled	Observed	Published
2019	pH	pH units	7.28	03/12/2019	11/10/2019	05/12/2019
	EC	(mg/L)	240	03/12/2019	11/10/2019	05/12/2019
	Chromium 6	(mg/L)	24	03/12/2019	11/10/2019	05/12/2019
	Conductivity	(mcms/cm)	820	03/12/2019	11/10/2019	05/12/2019
	Chloride	(mg/L)	24	03/12/2019	11/10/2019	05/12/2019
	Chlorine	(mg/L)	47	03/12/2019	11/10/2019	05/12/2019
	Phosphate (total)	(mg/L)	2.2	03/12/2019	11/10/2019	05/12/2019
	Total Dissolved Solids	(mg/L)	410	03/12/2019	11/10/2019	05/12/2019
	Total Suspended Solids	(mg/L)	184	03/12/2019	11/10/2019	05/12/2019

Year	Parameter	Unit	Value	Sampled	Observed	Published
2020	pH	pH units	7.28	06/03/2020	31/03/2020	07/04/2020
	EC	(mg/L)	160	06/03/2020	31/03/2020	07/04/2020
	Chromium 6	(mg/L)	<0.04	06/03/2020	31/03/2020	07/04/2020
	Conductivity	(mcms/cm)	620	06/03/2020	31/03/2020	07/04/2020
	Chloride	(mg/L)	25	06/03/2020	31/03/2020	07/04/2020
	Chlorine	(mg/L)	275	06/03/2020	31/03/2020	07/04/2020
	Phosphate (total)	(mg/L)	3.78	06/03/2020	31/03/2020	07/04/2020
	Total Dissolved Solids	(mg/L)	490	06/03/2020	31/03/2020	07/04/2020
	Total Suspended Solids	(mg/L)	180	06/03/2020	31/03/2020	07/04/2020

Year	Parameter	Unit	Value	Sampled	Observed	Published
2020	pH	pH units	7.35	02/07/2020	14/07/2020	28/09/2020
	EC	(mg/L)	210	02/07/2020	14/07/2020	28/09/2020
	Chromium 6	(mg/L)	<0.04	02/07/2020	14/07/2020	28/09/2020
	Conductivity	(mcms/cm)	670	02/07/2020	14/07/2020	28/09/2020
	Chloride	(mg/L)	20	02/07/2020	14/07/2020	28/09/2020
	Chlorine	(mg/L)	47	02/07/2020	14/07/2020	28/09/2020
	Phosphate (total)	(mg/L)	4.7	02/07/2020	14/07/2020	28/09/2020
	Total Dissolved Solids	(mg/L)	410	02/07/2020	14/07/2020	28/09/2020
	Total Suspended Solids	(mg/L)	160	02/07/2020	14/07/2020	28/09/2020

Year	Parameter	Unit	Value	Sampled	Observed	Published
2020	pH	pH units	7.51	01/10/20	20/10/2020	20/10/2020
	EC	(mg/L)	360	01/10/20	20/10/2020	20/10/2020
	Chromium 6	(mg/L)	<0.04	01/10/20	20/10/2020	20/10/2020
	Conductivity	(mcms/cm)	620	01/10/20	20/10/2020	20/10/2020
	Chloride	(mg/L)	34	01/10/20	20/10/2020	20/10/2020
	Chlorine	(mg/L)	172	01/10/20	20/10/2020	20/10/2020
	Phosphate (total)	(mg/L)	4.84	01/10/20	20/10/2020	20/10/2020
	Total Dissolved Solids	(mg/L)	610	01/10/20	20/10/2020	20/10/2020
	Total Suspended Solids	(mg/L)	630	01/10/20	20/10/2020	20/10/2020

Year	Parameter	Unit	Value	Sampled	Observed	Published
2021	pH	pH units	12.27	21/01/21	05/02/2021	18/02/2021
	EC	(mg/L)	205	21/01/21	05/02/2021	18/02/2021
	Chromium 6	(mg/L)	0.08	21/01/21	05/02/2021	18/02/2021
	Conductivity	(mcms/cm)	208	21/01/21	05/02/2021	18/02/2021
	Chloride	(mg/L)	45.31	21/01/21	05/02/2021	18/02/2021
	Chlorine	(mg/L)	16	21/01/21	05/02/2021	18/02/2021
	Phosphate (total)	(mg/L)	6.51	21/01/21	05/02/2021	18/02/2021
	Total Dissolved Solids	(mg/L)	760	21/01/21	05/02/2021	18/02/2021
	Total Suspended Solids	(mg/L)	590	21/01/21	05/02/2021	18/02/2021

Year	Parameter	Unit	Value	Sampled	Observed	Published
2021	pH	pH units	8.16	08/04/21	13/05/2021	14/05/2021
	EC	(mg/L)	180	08/04/21	13/05/2021	14/05/2021
	Chromium 6	(mg/L)	0.04	08/04/21	13/05/2021	14/05/2021
	Conductivity	(mcms/cm)	395	08/04/21	13/05/2021	14/05/2021
	Chloride	(mg/L)	8.4	08/04/21	13/05/2021	14/05/2021
	Chlorine	(mg/L)	38	08/04/21	13/05/2021	14/05/2021
	Phosphate (total)	(mg/L)	1.37	08/04/21	13/05/2021	14/05/2021
	Total Dissolved Solids	(mg/L)	300	08/04/21	13/05/2021	14/05/2021
	Total Suspended Solids	(mg/L)	427	08/04/21	13/05/2021	14/05/2021

Year	Parameter	Unit	Value	Sampled	Observed	Published
2021	pH	pH units	8.55	14/07/21	01/08/2021	28/09/2021
	EC	(mg/L)	275	14/07/21	01/08/2021	28/09/2021
	Chromium 6	(mg/L)	<0.04	14/07/21	01/08/2021	28/09/2021
	Conductivity	(mcms/cm)	300	14/07/21	01/08/2021	28/09/2021
	Chloride	(mg/L)	20	14/07/21	01/08/2021	28/09/2021
	Chlorine	(mg/L)	63	14/07/21	01/08/2021	28/09/2021
	Phosphate (total)	(mg/L)	2.8	14/07/21	01/08/2021	28/09/2021
	Total Dissolved Solids	(mg/L)	288	14/07/21	01/08/2021	28/09/2021
	Total Suspended Solids	(mg/L)	303	14/07/21	01/08/2021	28/09/2021

Year	Parameter	Unit	Value	Sampled	Observed	Published
2021	pH	pH units	10	30/08/21	04/09/2021	10/09/2021
	EC	(mg/L)	800	30/08/21	04/09/2021	10/09/2021
	Chromium 6	(mg/L)	0.02	30/08/21	04/09/2021	10/09/2021
	Conductivity	(mcms/cm)	1170	30/08/21	04/09/2021	10/09/2021
	Chloride	(mg/L)	46	30/08/21	04/09/2021	10/09/2021
	Chlorine	(mg/L)	212	30/08/21	04/09/2021	10/09/2021
	Phosphate (total)	(mg/L)	34.4	30/08/21	04/09/2021	10/09/2021
	Total Dissolved Solids	(mg/L)	1587	30/08/21	04/09/2021	10/09/2021
	Total Suspended Solids	(mg/L)	1800	30/08/21	04/09/2021	10/09/2021

Year	Parameter	Unit	Value	Sampled	Observed	Published
2022	pH	pH units	7.52	28/01/22	07/02/2022	10/03/2022
	EC	(mg/L)	400	28/01/22	07/02/2022	10/03/2022
	Chromium 6	(mg/L)	<0.04	28/01/22	07/02/2022	10/03/2022
	Conductivity	(mcms/cm)	110	28/01/22	07/02/2022	10/03/2022
	Chloride	(mg/L)	104	28/01/22	07/02/2022	10/03/2022
	Chlorine	(mg/L)	14.7	28/01/22	07/02/2022	10/03/2022
	Phosphate (total)	(mg/L)	12.17	28/01/22	07/02/2022	10/03/2022
	Total Dissolved Solids	(mg/L)	480	28/01/22	07/02/2022	10/03/2022

Year	Parameter	Unit	Value	Sampled	Observed	Published
2022	pH	pH units	8.5	07/07/22	28/07/2022	27/08/2022
	EC	(mg/L)	700	07/07/22	28/07/2022	27/08/2022
	Chromium 6	(mg/L)	0.08	07/07/22	28/07/2022	27/08/2022
	Conductivity	(mcms/cm)	700	07/07/22	28/07/2022	27/08/2022
	Chloride	(mg/L)	48	07/07/22	28/07/2022	27/08/2022
	Chlorine	(mg/L)	20	07/07/22	28/07/2022	27/08/2022
	Phosphate (total)	(mg/L)	2.8	07/07/22	28/07/2022	27/08/2022
	Total Dissolved Solids	(mg/L)	675	07/07/22	28/07/2022	27/08/2022
	Total Suspended Solids	(mg/L)	580	07/07/22	28/07/2022	27/08/2022

Year	Parameter	Unit	Value	Sampled	Observed	Published
2022	pH	pH units	7.02	17/10/22	03/11/2022	27/02/2023
	EC	(mg/L)	420	17/10/22	03/11/2022	27/02/2023
	Chromium 6	(mg/L)	0.04	17/10/22	03/11/2022	27/02/2023
	Conductivity	(mcms/cm)	600	17/10/22	03/11/2022	27/02/2023
	Chloride	(mg/L)	29	17/10/22	03/11/2022	27/02/2023
	Chlorine	(mg/L)	21	17/10/22	03/11/2022	27/02/2023
	Phosphate (total)	(mg/L)	12.7	17/10/22	03/11/2022	27/02/2023
	Total Dissolved Solids	(mg/L)	760	17/10/22	03/11/2022	27/02/2023
	Total Suspended Solids	(mg/L)	280	17/10/22	03/11/2022	27/02/2023

Year	Parameter	Unit	Value	Sampled	Observed	Published
2022	pH	pH units	8.12	24/11/22	08/12/2022	27/02/2023
	EC	(mg/L)	400	24/11/22	08/12/2022	27/02/2023
	Chromium 6	(mg/L)	<0.04	24/11/22	08/12/2022	27/02/2023
	Conductivity	(mcms/cm)	700	24/11/22	08/12/2022	27/02/2023
	Chloride	(mg/L)	48	24/11/22	08/12/2022	27/02/2023
	Chlorine	(mg/L)	107	24/11/22	08/12/2022	27/02/2023
	Phosphate (total)	(mg/L)	8.5	24/11/22	08/12/2022	27/02/2023
	Total Dissolved Solids	(mg/L)	770	24/11/22	08/12/2022	27/02/2023
	Total Suspended Solids	(mg/L)	300	24/11/22	08/12/2022	27/02/2023

Year	Parameter	Unit	Value	Sampled	Observed	Published
2023	pH	pH units	7.73	27/02/23	07/03/2023	29/01/2024
	EC	(mg/L)	800	27/02/23	07/03/2023	29/01/2024
	Chromium 6	(mg/L)	0.04	27/02/23	07/03/2023	29/01/2024
	Conductivity	(mcms/cm)	910	27/02/23	07/03/2023	29/01/2024
	Chloride	(mg/L)	80	27/02/23	07/03/2023	29/01/2024
	Chlorine	(mg/L)	200	27/02/23	07/03/2023	29/01/2024
	Phosphate (total)	(mg/L)	44	27/02/23	07/03/2023	29/01/2024
	Total Dissolved Solids	(mg/L)	800	27/02/23	07/03/2023	29/01/2024
	Total Suspended Solids	(mg/L)	1070	27/02/23	07/03/2023	29/01/2024

Year	Parameter	Unit	Value	Sampled	Observed	Published
2023	pH	pH units	7.81	30/06/23	07/07/2023	29/01/2024
	EC	(mg/L)	700	30/06/23	07/07/2023	29/01/2024
	Chromium 6	(mg/L)	0.04	30/06/23	07/07/2023	29/01/2024
	Conductivity	(mcms/cm)	870	30/06/23	07/07/2023	29/01/2024
	Chloride	(mg/L)	67	30/06/23	07/07/2023	29/01/2024
	Chlorine	(mg/L)	20	30/06/23	07/07/2023	29/01/2024
	Phosphate (total)	(mg/L)	1.58	30/06/23	07/07/2023	29/01/2024
	Total Dissolved Solids	(mg/L)	1250	30/06/23	07/07/2023	29/01/2024