

March 31, 2023

Ministry of the Environment
Sault Ste. Marie Regional Office
70 Foster Drive
Sault Ste. Marie ON
P6A 6V4

Attention: Mr. Stephen Rouleau
Senior Environmental Officer

Re: 2022 Performance Report for Hornepayne Wastewater Treatment Plant

Dear Mr. Rouleau:

Attached is the 2022 Performance Report for the **Hornepayne Wastewater Treatment Plant** located in The Corporation of the Township of Hornepayne. This report has been completed in accordance with Condition No. 10(6) cited in *Certificate of Approval Number 4306-A8ANUC* dated March 23 2016 and issued to the Township of Hornepayne.

This report was prepared by the Ontario Clean Water Agency on behalf of the Township of Hornepayne based on information kept on record at the Hornepayne Wastewater plant, and, the report covers the period from January 1, 2022 to December 31, 2022.

Should you have any questions or comments in regards to this annual report, please do not hesitate to contact David Hoffman at 807-854-7142.

Yours truly,

Patrick Couture

Patrick Couture
Senior Operations Manager
Ontario Clean Water Agency
Northwestern Ontario Hub

Copy to: Aileen Singh – CAO/Clerk
Hornepayne Wastewater Operators

2022 Annual Report

Hornepayne Wastewater Treatment Plant

Prepared by the Ontario Clean Water Agency



Ontario Clean Water Agency
Agence Ontarienne Des Eaux

**The Corporation of the Township of Hornepayne
Sewage Treatment Plant
2022 Annual Report**

INTRODUCTION

In accordance with the *Certificate of Approval Number 4306-A8ANUC* dated March 23 2016, section 10 (6), the Corporation of the Township of Hornepayne - Hornepayne Sewage Treatment Plant is required to prepare an annual summary. The 2022 annual facility performance report summarizes important information regarding the treatment quality of the effluent wastewater, analytical test results, relevant activities and maintenance operations of the Works. Some of this information was submitted via the quarterly upload of information, but is being presented again as part of the new Annual Report based on the calendar year.

DESCRIPTION OF WORKS

Rated Capacity of Works	1364 m ³ /day
Service Area	Township of Hornepayne
Service Population	980
Effluent Receiver	Little Jackfish River
Major Process	Extended Aeration Plant – Carrousel-type treatment system

EFFLUENT MONITORING AND RECORDING

Analytical tests to monitor the influent and effluent water quality on a monthly basis are conducted by a laboratory audited by the Canadian Association for Environmental Analytical Laboratories (CAEAL) and accredited by the Standards Council of Canada (SCC). Accreditation ensures that the laboratory has acceptable laboratory protocols and test methods in place. It also requires the laboratory to provide evidence and assurances of the proficiency of the analysts performing the test methods. Weekly analysis is performed in-house in order to maintain the process. When these samples are split with the accredited laboratories, it confirms the procedure accuracy of the in-house testing.

SAMPLING REQUIREMENTS

Samples of raw sewage and final effluent from the WWTP shall be collected and analyzed for the following parameters at the indicated frequencies.

Raw Sewage Monitoring – Samples to be collected at the end of the grit channel

Parameters	Sample Type	Frequency
<i>BOD</i> ₅	Composite*	monthly
Total Suspended Solids	Composite*	monthly
Total Phosphorus	Composite*	monthly
Total Kjeldahl Nitrogen (TKN)	Composite*	monthly

* Composite of three grab samples, taken at time intervals of at least six hours over a 24-hour sampling period.

Final Effluent Monitoring - Samples to be collected at the V-notch at the end of the chlorine contact chamber

Parameters	Sample Type	Frequency
<i>CBOD</i> ₅	Composite*	Monthly
Total Suspended Solids	Composite*	Monthly
Total Phosphorus	Composite*	Monthly
Ammonia – Nitrogen(total)	Composite*	Monthly
<i>E. Coli</i>	Grab	Biweekly
Total Chlorine Residual	Grab	Weekly
pH	Grab	Weekly
Temperature	Grab	Weekly

* Composite of three grab samples, taken at time intervals of at least six hours over a 24-hour sampling period.

PLANT PERFORMANCE

Effluent Limits as per C of A, condition 7

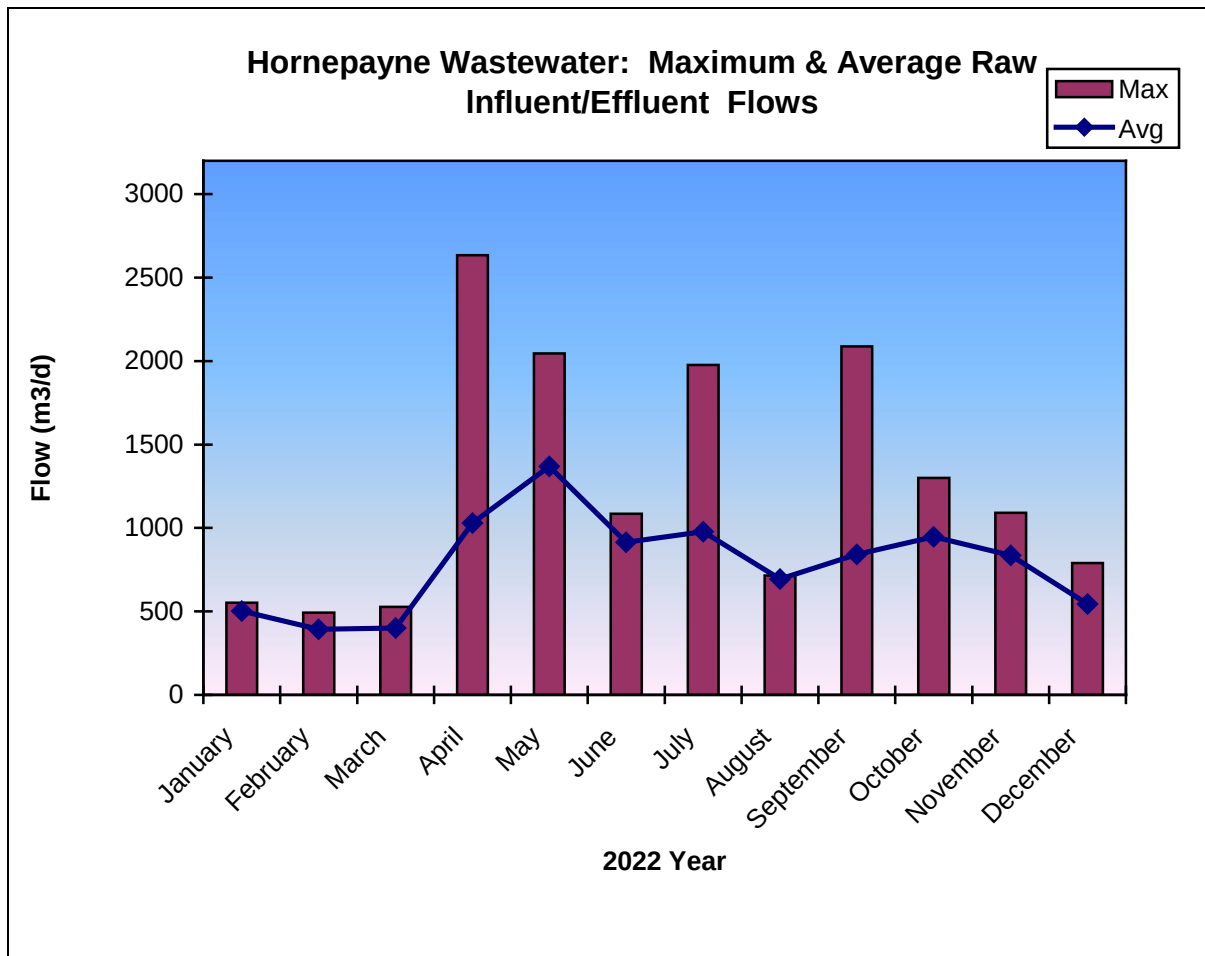
Effluent Parameter	Annual Average Concentration Limit	Average Loading
<i>BOD</i> ₅	25.0 mg/L	34.1 kg/day
Total Suspended Solids	25.0 mg/L	34.1 kg/day
pH	Between 6.0 – 9.5 at all times	
<i>E. Coli</i>	200 organisms/100 ml (monthly Geometric Mean Density)	

Effluent Objectives (best effort) as per C of A, condition 6 (1)

Effluent Parameter	Concentration Objective	Loading Objective
CBOD ₅	15.0 mg/L	20.5 kg/day
Total Suspended Solids	15.0 mg/L	20.5 kg/day
<i>E. Coli</i>	150 organisms/100 ml (monthly <i>Geometric Mean Density</i>)	
pH	6.5- 8.5	

EFFLUENT FLOWS

In order to review, at a glance, the performance of the WWTP, a graph has been prepared showing the average and maximum monthly effluent flows for the year; January to December 2022. The total effluent flows for this timeframe report as 288,119 m³, compared to 228,731 m³ for the 2021 calendar year.



EFFLUENT SAMPLING

In the reporting year 2022, $CBOD_5$ was analyzed and the average was 2.68mg/L; this is well within the effluent limits imposed by the *Certificate of Approval* condition 6.1 of 25.0 mg/L. This also was within the objective limits of 15 mg/l

The annual average suspended solids concentrations for the effluent in 2022 was 6.48 mg/L. This parameter is likewise within the annual compliance level of 25.0 mg/L. This parameter has an objective value of 15 mg/l. The objective limit was achieved in 2022.

The plant compliance criteria states; the pH of the effluent shall be maintained between 6.0 and 9.5, inclusive, at all times. The average pH during this period was 7.65 with a high of 9.32 and a low of 6.64. The effluent did meet the limits but did not meet the objective levels of 6.5 to 8.5. The pH values were above the objective of 8.5 during January (7 days), February (4 days) and March (9 days). The values met the objectives during the remainder of the year.

The effluent parameter includes a requirement to maintain the monthly geometric mean density of e-coli less than of 200 organisms per 100 ml. In 2022, the maximum monthly geometric mean density for e-coli was 22 organisms per 100 ml. The limit was achieved in 2022

MAINTENANCE

OCWA maintains a Work Management System (WMS), which is a comprehensive computer based maintenance program that is based on a proactive preventive approach. This includes running checks, weekly, monthly and annual maintenance, as required. A full report on all maintenance carried out in 2021 is available upon request.

There were no modifications made to the Hornepayne Sewage Plant as per Schedule B of the ECA. The Federal Regulation requiring the effluent to be below 0.02 mg/l chlorine residual came into effect in 2021. The facility used a temporary dechlorination system in the effluent channel to meet this regulatory requirement until a permanent solution is engineered and installed. The final effluent samples are collected after the dechlorination.

OPERATIONAL ISSUES

The Federal Regulation requiring the effluent to be below 0.02 mg/l chlorine residual came into effect in 2021. The facility used a temporary dechlorination system in the effluent channel to meet this regulatory requirement until a permanent solution is engineered and installed. The collection of the final effluent samples are collected after the dechlorination.

The operators have determined the correct dosing of the dechlorination chemicals to meet the treatment requirements. The residual values collected after the dechlorination met the Federal requirements. The summary table of the residuals is appended to this report

CALIBRATIONS

The owner shall maintain a continuous flow-measuring device to measure the flow rate within an accuracy of +/- 5% of actual rate of flow within the range of 10% to 100% of the full-scale reading of the measuring devices.

In 2022, calibration of the continuous measuring device was calibrated by Lakeside Process Controls; results attached. The units were within the required accuracy, as outlined in the criteria above.

SLUDGE SUMMARY

Sludge is hauled from the facility to the sludge drying beds site by the Ontario Clean Water Agency. A summary of the sludge hauled for Hornepayne Sewage Treatment Plant is outlined in the following table.

Sludge Volume Hauled in 2022

Month	Total Volume(m3)
January	0
February	0
March	100
April	0
May	0
June	100
July	100
August	120
September	0
October	0
November	100
December	0
Total:	520

Attached are the sludge volume figures and Biosolids sludge quality sample results for the timeframe covered 2022.

The sludge is disposed of in the Hornepayne Sludge Drying Beds. There is no expected change in the sludge handling methods or disposal areas for the WWTP in the coming year.

COMPLAINTS/ENVIRONMENTAL INCIDENT

There were no complaints reported in 2022.

BY-PASS REPORTS

There was one bypass incident in 2022. On November 30 2022, a power failure occurred at the Sprucdale Lift Station. The outage resulted in 5.22 m3 of sewage to be bypassed to Bucknells pond over the 7 hours of the outage. The outage required the assistance of Hydro One to correct.

Performance Assessment Report 1st January – December 31st 2022

Performance Assessment Report

03/01/2023

From 1/1/2022 to 12/31/2022

Page 1 of 2

5985 HORNEPAYNE WASTEWATER TREATMENT FACILITY 110001952

	1/ 2022	2/ 2022	3/ 2022	4/ 2022	5/ 2022	6/ 2022	7/ 2022	8/ 2022	9/ 2022	10/ 2022	11/ 2022	12/ 2022	<--Total-->	<--Avg-->	<--Max-->	<-Criteria-->
Flows																
Raw Flow: Total - Influent m³/d	15,551.00	10,993.00	12,437.00	30,884.00	42,435.00	27,410.00	30,295.00	21,515.00	25,274.00	29,383.00	25,070.00	16,872.00	288,119.00			0.00
Raw Flow: Avg - Influent m³/d	501.65	392.61	401.19	1,029.47	1,368.87	913.67	977.26	694.03	842.47	947.84	835.67	544.26		789.37		
Raw Flow: Max - Influent m³/d	553.00	493.00	528.00	2,635.00	2,045.00	1,086.00	1,977.00	716.00	2,088.00	1,300.00	1,091.00	789.00			2,635.00	0.00
Raw Flow: Count - Influent m³/d	31.00	28.00	31.00	30.00	31.00	30.00	31.00	31.00	30.00	31.00	30.00	31.00	365.00			0.00
Eff. Flow: Total - Effluent m³/d	15,551.00	10,993.00	12,437.00	30,884.00	42,435.00	27,410.00	30,295.00	21,515.00	25,274.00	29,383.00	25,070.00	16,872.00	288,119.00			0.00
Eff. Flow: Avg - Effluent m³/d	501.65	392.61	401.19	1,029.47	1,368.87	913.67	977.26	694.03	842.47	947.84	835.67	544.26		789.37		
Eff. Flow: Max - Effluent m³/d	553.00	493.00	528.00	2,635.00	2,045.00	1,086.00	1,977.00	716.00	2,088.00	1,300.00	1,091.00	789.00			2,635.00	0.00
Eff Flow: Count - Effluent m³/d	31.00	28.00	31.00	30.00	31.00	30.00	31.00	31.00	30.00	31.00	30.00	31.00	365.00			0.00
Carbonaceous Biochemical Oxygen Demand: CBOD																
Eff: Avg cBOD5 - Effluent mg/L	< 3.00	3.10	3.10	2.20	3.90	5.30	1.10	2.90	2.00	2.00	< 0.50	3.10		< 2.68	< 5.30	
Eff: # of samples of cBOD5 - Effluent	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	12.00			0.00
Loading: cBOD5 - Effluent kg/d	< 1.505	1.217	1.244	2.265	5.339	4.842	1.075	2.013	1.685	1.896	< 0.418	1.687		< 2.10	< 5.34	0.000
Biochemical Oxygen Demand: BOD5																
Raw: Avg BOD5 - Influent mg/L	81.00	100.00	110.00	23.00	23.00	23.00	56.00	< 20.00	71.00	31.00	190.00	34.00		63.50	190.00	0.00
Raw: # of samples of BOD5 - Influent	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	12.00			0.00
Total Suspended Solids: TSS																
Raw: Avg TSS - Influent mg/L	76.00	106.00	122.00	121.00	46.00	49.30	71.00	33.30	84.00	38.70	28.00	8.00		65.28	122.00	0.00
Raw: # of samples of TSS - Influent	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	12.00			0.00
Eff: Avg TSS - Effluent mg/L	7.67	6.30	4.70	7.00	8.67	8.67	5.70	7.00	5.70	4.70	5.70	6.00		6.48		
Eff: # of samples of TSS - Effluent	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	12.00			0.00
Loading: TSS - Effluent kg/d	3.848	2.473	1.886	7.206	11.868	7.921	5.570	4.858	4.802	4.455	4.763	3.266		5.24	11.87	0.000
Percent Removal: TSS - Influent %	89.91	94.06	96.15	94.21	81.15	82.41	91.97	78.98	93.21	87.86	79.64	25.00			96.15	0.00
Total Phosphorus: TP																
Raw: Avg TP - Influent mg/L	1.87	2.38	2.84	1.58	0.86	1.24	0.89	0.78	1.67	0.71	0.58	0.13		1.29	2.84	0.00
Raw: # of samples of TP - Influent	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	12.00			0.00
Eff: Avg TP - Effluent mg/L	0.40	0.38	0.31	0.78	0.35	0.40	0.31	0.33	< 0.00	0.49	0.46	0.37		0.38	0.78	
Eff: # of samples of TP - Effluent	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	12.00			0.00
Loading: TP - Effluent kg/d	0.202	0.149	0.125	0.803	0.479	0.368	0.303	0.232	< 0.002	0.462	0.387	0.201		0.31	0.80	0.000
Percent Removal: TP - Influent %	78.50	84.08	89.01	50.63	59.21	67.50	65.17	57.23	99.88	31.70	20.45	-181.68			99.88	0.00

Performance Assessment Report

03/01/2023

From 1/1/2022 to 12/31/2022

Page 2 of 2

Nitrogen Series

Raw: Avg TKN - Influent mg/L

		17.60		19.80		22.00		11.00		6.20		8.00		5.90		5.00		10.30		8.10	<	2.00		8.20			10.34		22.00		0.00
		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00	12.00					0.00	
		0.01		0.01		0.01		0.01		0.01		0.01		0.01		0.01		0.01		0.02		0.01		0.04			<	0.01	<	0.04	
		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00	12.00					0.00	
		0.005		0.004		0.004		0.010		0.014		0.009		0.010		0.007		0.008		0.019		0.008		0.022			<	0.01	<	0.02	0.000

Disinfection

Eff: GMD E. Coli - Effluent cfu/100mL

	19.48		24.00		13.29		21.07		64.76		15.87		26.83		4.45		37.42		13.74		47.37		23.92							
	3.00		2.00		5.00		3.00		3.00		2.00		2.00		3.00		2.00		3.00		2.00		2.00		32.00					0.00

pH Monthly Process Data Report

From: 01/01/2022 to 31/12/2022

Facility Org Number:	5985
Facility Works Number:	110001952
Facility Name:	HORNEPAYNE WASTEWATER TREATMENT FACILITY
Facility Owner:	Municipality: The Corporation of the Township of Hornepayne
Facility Classification:	Class 2 Wastewater Treatment
Receiver:	Little Jackfish River
Service Population:	1050.0
Total Design Capacity:	1363.0 m3/day

	01/2022	02/2022	03/2022	04/2022	05/2022	06/2022	07/2022	08/2022	09/2022	10/2022	11/2022	12/2022	Total	Avg	Max	Min
Effluent / pH - ---																
Max IH	8.76	8.75	9.32	7.9	8.1	8.12	8.12	7.7	7.35	7.41	7.24	8.31			9.32	
Mean IH	8.341	8.397	8.4	7.692	7.939	7.96	7.552	7.344	7.147	7.199	7	6.788		7.65		
Min IH	7.66	8.11	7.49	7.54	7.84	7.68	7.2	6.88	7.03	7.06	6.64	6.64				6.64

De-chlorination Monthly Process Data Report

From: 01/01/2022 to 31/12/2022

Facility Org Number:	5985
Facility Works Number:	110001952
Facility Name:	HORNEPAYNE WASTEWATER TREATMENT FACILITY
Facility Owner:	Municipality: The Corporation of the Township of Hornepayne
Facility Classification:	Class 2 Wastewater Treatment
Receiver:	Little Jackfish River
Service Population:	1050.0
Total Design Capacity:	1363.0 m3/day

	01/2022	02/2022	03/2022	04/2022	05/2022	06/2022	07/2022	08/2022	09/2022	10/2022	11/2022	12/2022	Total	Avg	Max	Min
Dechlorination / Cl Residual: Total - mg/L																
Max IH	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02			0.02	
Mean IH	0.013	0.012	0.016	0.015	0.011	0.01	0.014	0.015	0.009	0.011	0.016	0.011		0.013		
Min IH	0	0	0	0	0	0	0	0	0	0	0	0				0

Biosolids Sludge Quality

**TESTMARK Laboratories Ltd.***Committed to Quality and Service*

CERTIFICATE OF ANALYSIS

OCWA - North West Region - Hornepayne WWTP

Work Order Number: 482673

WORK ORDER RESULTS

Sample Description	Annual Sludge		
Sample Date	11/8/2022 7:24 AM		
Lab ID	1823708		
Anions	Result	MDL	Units
Nitrate (as N)	0.33	0.05	mg/L

Sample Description	Annual Sludge		
Sample Date	11/8/2022 7:24 AM		
Lab ID	1823708		
General Chemistry	Result	MDL	Units
Ammonia (as N)	7.5	0.1	mg/L
Total Phosphorus (as P)	146.0 [142.0]	0.6	mg/L

Sample Description	Annual Sludge		
Sample Date	11/8/2022 7:24 AM		
Lab ID	1823708		
Metals (Total)	Result	MDL	Units
Total Aluminum	566000	1000	ug/L
Total Antimony	12	5	ug/L
Total Arsenic	60	10	ug/L
Total Barium	6740	100	ug/L
Total Beryllium	<5	5	ug/L
Total Bismuth	525	10	ug/L
Total Boron	468	20	ug/L
Total Cadmium	8.8	0.2	ug/L

**TESTMARK Laboratories Ltd.***Committed to Quality and Service***CERTIFICATE OF ANALYSIS**

OCWA - North West Region - Hornepayne WWTP

Work Order Number: 482673

Sample Description	Annual Sludge		
Sample Date	11/8/2022 7:24 AM		
Lab ID	1823708		
Metals (Total)	Result	MDL	Units
Total Calcium	548000	5000	ug/L
Total Cerium	95	10	ug/L
Total Cesium	<10	10	ug/L
Total Chromium	224	10	ug/L
Total Cobalt	64	1	ug/L
Total Copper	40000	1000	ug/L
Total Europium	<10	10	ug/L
Total Gallium	167	10	ug/L
Total Iron	172000	2000	ug/L
Total Lanthanum	59	10	ug/L
Total Lead	229	1	ug/L
Total Lithium	<50	50	ug/L
Total Magnesium	116000	40	ug/L
Total Manganese	28100	100	ug/L
Total Mercury	2	1	ug/L
Total Molybdenum	42	10	ug/L
Total Nickel	232	10	ug/L
Total Niobium	<10	10	ug/L
Total Phosphorus	290000	5000	ug/L
Total Potassium	57300	1000	ug/L
Total Rhodium	<10	10	ug/L
Total Rubidium	74	10	ug/L
Total Scandium	11	10	ug/L
Total Selenium	2	2	ug/L

**TESTMARK Laboratories Ltd.***Committed to Quality and Service***CERTIFICATE OF ANALYSIS**

OCWA - North West Region - Hornepayne WWTP

Work Order Number: 482673

Sample Description	Annual Sludge		
Sample Date	11/8/2022 7:24 AM		
Lab ID	1823708		
Metals (Total)	Result	MDL	Units
Total Silicon	39000	6000	ug/L
Total Silver	7	1	ug/L
Total Sodium	40300	1000	ug/L
Total Strontium	940	10	ug/L
Total Sulphur	116000	8000	ug/L
Total Tellurium	<10	10	ug/L
Total Thallium	3	1	ug/L
Total Thorium	<10	10	ug/L
Total Tin	12	10	ug/L
Total Titanium	860	10	ug/L
Total Tungsten	<10	10	ug/L
Total Uranium	45	10	ug/L
Total Vanadium	133	10	ug/L
Total Yttrium	27	10	ug/L
Total Zinc	8780	100	ug/L
Total Zirconium	60	10	ug/L

Sample Description	Annual Sludge		
Sample Date	11/8/2022 7:24 AM		
Lab ID	1823708		
Solids	Result	MDL	Units
Total Suspended Solids	14000	20	mg/L



TESTMARK Laboratories Ltd.

Committed to Quality and Service

CERTIFICATE OF ANALYSIS

OCWA - North West Region - Hornepayne WWTP

Work Order Number: 482673

LEGEND

Dates: Dates are formatted as mm/dd/year throughout this report.

[rr]: After a parameter name indicates a re-run of that parameter. If multiple re-runs exist they are suffixed by a number. Sample may not have been handled according to the recommended temperature, hold time and head space requirements of the method after the initial analysis.

MDL: Method detection limit or minimum reporting limit.

[]: Results for laboratory replicates are shown in square brackets immediately below the associated sample result for ease of comparison.

Quality Control: All associated Quality Control data is available on request.

Field Data: Reports containing Field Parameters represent data that has been collected and provided by the client. Testmark is not responsible for the validity of this data which may be used in subsequent calculations.

Sample Condition Deviations: A noted sample condition deviation may affect the validity of the result. Results apply to the sample(s) as received.

Reproduction of Report: Report shall not be reproduced, except in full, without the approval of Testmark Laboratories Ltd.

ICPMS Dustfall Insoluble: The ICPMS Dustfall Insoluble Portion method analyzes only the particulate matter from the Dustfall Sampler which is retained on the analysis filter during the Dustfall method.

Regulation Comparisons: Disclaimer: Please note that regulation criteria are provided for comparative purposes, however the onus on ensuring the validity of this comparison rests with the client.

Analyzer Verification/Calibration Summary

Calibration Certificate 2221

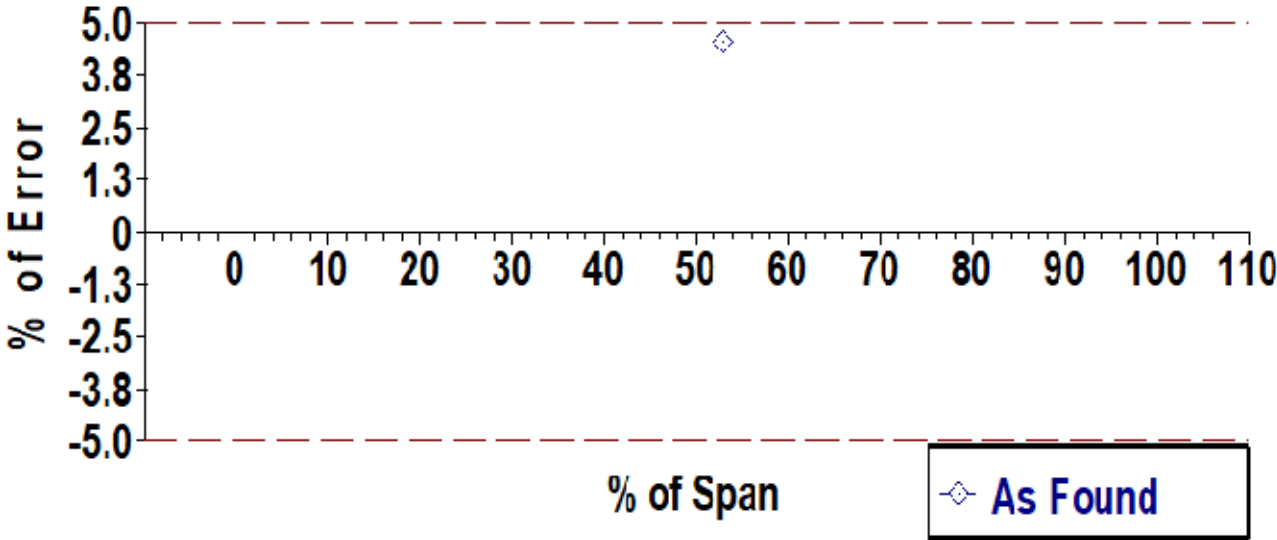
AMS Tag: Hornepayne Final Effluent

Calibrated at: 2022-06-08 9:10:44 AM

Calibration Result: PASSED

Device Identification	
AMS Tag:	Hornepayne Final Effluent
Device Tag:	
Manufacturer:	Siemens
Model Name:	Sitrans LUT440
Device Identifier:	3190364

Device Calibration Data			
Date/Time Calibrated:	2022-06-08 9:10:44 AM	Max Error Limit:	5.00 % of Span
Technician:	DESKTOP-79S6M3S \\Lakeside	Notification Limit:	5.00 % of Span
User:	DESKTOP-79S6M3S \\Lakeside	Adjustment Limit:	4.00 % of Span
Ambient Temperature:	20.00 deg C	Calibration Interval:	12 Months
Temperature Standard:	ITS-90	Critical Service:	Yes
Work Order Number:		Input Range:	0.00 - 24.39 cm
Service Reason:	Not Given	Output Range:	0.00 - 24.39 cm
Service Notes:			
Relationship: Linear			



Calibration Certificate 2221

AMS Tag: Hornepayne Final Effluent

Test Equipment					
AMS Tag	Manufacturer	Model	Serial Number	Last Calibration	Calibration Interval:
Fluke Distance Meter	Fluke	416D	0682056623		12 Months

Errors (%)			
Error	Limit	Actual: As Found	Actual: As Left
Maximum	5.0000	4.5510 (Pass)	(N/A)
Zero	(N/A)	(N/A)	(N/A)
Span	(N/A)	(N/A)	(N/A)
Linearity	(N/A)	(N/A)	(N/A)
Hysteresis	(N/A)	(N/A)	(N/A)

Calibration Results: As Found				
Test Point	Input	Output	Output Error	Output Error (%)
1	12.9000	14.0100	1.1100	4.5510

Calibration Results: As Left				
Test Point	Input	Output	Output Error	Output Error (%)

Authorization			
Title	Lakeside Process Controls - Asset Reliability Services		
Signature	Chris Foulds	Date	06/08/2022
Title			
Signature		Date	

By-Pass Reports – 2022

Environmental Incident Report



Ontario Clean Water Agency
Agence Ontarienne Des Eaux

System: **Hornepayne WPCP**

MOE Works: 110001952

Location: **HORNEPAYNE**

Receiver: **BOCKWILLS POND**

Start of Incident:	Date: NOVEMBER 30/2022	Time: 0905
☐ Spill	Details/Cause of Incident:	
☒ Bypass	POWER FAILURE AT SPRUCEDALE LIFT STATION	
☐ Other		
Downstream Users ☐ Yes ☐ No	Possible effects on receiver, environment or downstream users: INCREASED TSS, INCREASED BOD, INCREASED E-COLI	
Chlorination	☒ Yes ☐ No	
Corrective Actions: CHLORINATED, SAMPLED, CONTACTED HORNE		
MOE SAC called	Date: Nov. 30/2022 at 1122	Contact: STEPHANIE M'GILL
MOH - Porcupine Health Unit (PHU) called	Date: Nov. 30/2022 at 1118	Contact: KALLIE LAWLOR
PAT COGNURE Gordon-Williams called	Date: Nov. 30/2022 at 0935	Contact: PAT COGNURE
JEFF ST-PIERRE Miles-Brown called	Date: Nov. 30/2022 at 1134	Contact: JEFF ST-PIERRE
Township of Hornepayne called	Date: Nov. 30/2022 at 1136	Contact: LAIL JARNEY
Additional Calls - refer to Notification Cover Sheet		
Reference #: 1-2AJITB Operator Reporting Incident: MARK VAN BREDA.		

Termination:	Date: NOVEMBER 30 / 2022	Time: 1600	Duration: 7 HOURS
Approximate Volume (m³)	5.22		
SAC called	Date: NOVEMBER 30/2022 at 1640	Contact: FATIMA JABEEN	
Further Actions Required: NONE			
Operator Reporting Termination: MARK VAN BREDA			
MOE SAC	Tel: 800 268-6060 Fax: 800 268-6061	Comments	
MOH - PHU (after hours)	Tel: 1-800-461-1818 Tel: 705-267-1181 Fax: 705-264-3980	Comments	
Environment Canada	Fax: 819-994-0237 Attn: Wastewater Program		

Verbal notifications: MOE SAC, MOH, Operations Manager, Client/Owner, VP Operations, Regional Manager, ORO
Fax completed report: MOE SAC, MOH, Environment Canada, VP Operations/Corporate Office, Regional Manager, Longlac Hub Office Group, Client/Owner