

Monthly Operations Report

for the Municipality of Casselman's Water and
Wastewater Systems

December 2023



Ontario Clean Water Agency
Agence Ontarienne Des Eaux

Table of Contents

Section 1 - Monthly Operations Report Card

Section 2 - Facility Listing

Section 3 - Compliance

Section 4 - Facility Performance

Section 5 - Drinking Water Quality Management System (DWQMS)

Section 6 - Maintenance / Capital / Added Value

Section 7 - Complaints

Section 8 - Recommendations / General Comments

Appendices

Appendix A – Performance Assessment Reports

Appendix B – Work Order Summary Report

Appendix C – Locate Summary



SECTION 1 – MONTHLY OPERATIONS REPORT CARD

Operations and Compliance Reliability Indices

Legend					
✓	●	▲	✗	Y/N	N/A
Achieved	On Target	Caution	Not Achieved	Yes/No	Not Applicable

	Target	Current Month	Comments
Health & Safety			
Number of Incidents	0	●	
<i>Actual Result</i>		0	
Drinking Water			
Inspection Ratings (YTD)	100 %	●	
<i>Actual Result</i>		100 %	
AWQI's	0	●	
<i>Actual Result</i>		0	
Number of Non-Compliances	0	●	
<i>Actual Result</i>		0	
Number of Water Main Breaks	0	●	
<i>Actual Result</i>		0	
Number of Complaints	0	●	
<i>Actual Result</i>		0	
Water Main Flushing	0	●	
<i>Target Achieved</i>		Y	
Wastewater			
Number of Non-Compliances	0	●	
<i>Actual Result</i>		0	
Number of Bypasses	0	●	
<i>Actual Result</i>		0	
Number of Sanitary Sewer Back-ups	0	●	
<i>Actual Result</i>		0	
Sanitary Collection System Flushing	Y	●	
<i>Target Achieved</i>		Y	
Preventive Maintenance			
Work Orders Completed	>95%	●	
<i>Target Achieved</i>		Y	

SECTION 2 – FACILITY LISTING

Water Treatment & Distribution

Facility	Type
5971 - Casselman Water Treatment Plant	1 WTP (Actiflo Process)
1553 - Casselman Water Distribution System	1 Water Storage Tower + Water Distribution System

Wastewater Treatment & Collection

Facility	Type
1501 - Casselman Wastewater Treatment Plant	3 Facultative Lagoon Cells 1 MBBR (Moving Bed Biofilm Reactor)
5976 - Casselman Wastewater Collection System	6 Sewage Pumping Stations + Wastewater Collection System

SECTION 3 – COMPLIANCE

There were no compliance issues to report for Casselman’s water and wastewater treatment systems.

The most recent MECP inspections are listed below:

Location	Inspector	Inspection Rating (%)	Date
Casselman Water	Jean-Francois Durocher	100	February 9, 2023
Casselman Sewage	<i>*OCWA has no recent sewage system inspections on file.</i>		

There are no outstanding actions required from any recent MECP inspections.

SECTION 4 – FACILITY PERFORMANCE

Please see the Water & Wastewater Performance Assessment Reports attached in Appendix A.

SECTION 5 – DRINKING WATER QUALITY MANAGEMENT SYSTEM (DWQMS)

OCWA was re-accredited as the Operating Authority for Casselman’s Drinking Water System on January 24, 2023.

SECTION 6 - MAINTENANCE / CAPITAL / ADDED VALUE

Water Treatment & Distribution

- Responded to 18 after-hours call-in alarms
- Capital Controls in to repair issue with backwash flow meter
- Repaired Hydrant #199 on Racine Street
- Bolts and valve chamber replaced on VB43, VB46, Valve at St. Isidore & Guillaume, VB164, Hydrant #60, VB47, VB48, VB45, VB41, VB39, VB42
- Service shut off at 736 Brebeuf
- Rebuilt Hydrants #30, #23 and #25 (Principale St.); Hydrant #49 (Levesque); Hydrant #51 (Joliette); Hydrant #119 (Racine)
- Performed service on Recirculation Pump #1 at the WTP

Wastewater Treatment & Collection

- Responded to 2 after-hours call-in alarms due to power outage and high level at SPS #1
- Replaced H2S sensor for compactor room at SPS #1
- Performed service on Pump #1 & #2 at SPS #1
- Performed service on alum pumps at lagoon
- Lagoon discharge continued through December

Preventive Maintenance Plan (PMP) Work Order Summary

All required work orders were completed. Please refer to the summary reports attached in Appendix B.

SECTION 7 – COMPLAINTS

Facility	Date	Description
Water Distribution	Dec. 8	Low Pressure on Isabelle Street. Operated standpost, no further complaint received.
Water Distribution	Dec. 13	Low Pressure on Nature Street. Issue relates to the on demand water heater which is rated for a higher pressure than the water system typically provides.

SECTION 8 – RECOMMENDATIONS / GENERAL COMMENTS

General

- 4 locates were completed in December.

Water Treatment & Distribution

- Capital/Major Maintenance projects approved for 2023 were completed.
- After investigating some low pressure complaints in the water distribution system, it appears that some water heaters are being installed that are rated for a higher system pressure than is being provided by the water system in Casselman. Residents with these heaters will continue to experience issues with low pressure, especially during times of peak water use.

Wastewater Treatment & Collection

- Capital/Major Maintenance projects approved for 2023 were completed.

Appendix A

Performance Assessment Reports



ONTARIO CLEAN WATER AGENCY PERFORMANCE ASSESSMENT REPORT

MUNICIPALITY: MUNICIPALITY OF CASSELMAN
PROJECT: CASSELMAN DRINKING WATER SYSTEM
DESCRIPTION: SURFACE WATER TREATMENT PLANT
CHEMICALLY ASSISTED FILTRATION

YEAR: 2023
WATER SOURCE: NATION RIVER
DESIGN CAPACITY: 3182 m3/d
WORKS NUM.: 210001219

MONTH	SYSTEM FLOWS (TREATED)			TREATED		DISTRIBUTION		RAW					TREATED					DISTRIBUTION				
	Total Flow (m ³)	Avg. Flow (m ³)	Max Day Flow (m ³)	Min. Free Cl ₂ Resid. (mg/L)	Max Free Cl ₂ Resid. (mg/L)	Min Combined Cl ₂ Resid. (mg/L)	Max Combined Cl ₂ Resid. (mg/L)	Dissolved Organic Carbon (mg/L)	Total Organic Carbon (mg/L)	Total Hardness (mg/L)	Average Manganese (mg/L)	Max Manganese (mg/L)	IH Avg. Turbidity (NTU)	IH Max. Turbidity (NTU)	Dissolved Organic Carbon (mg/L)	Total Organic Carbon (mg/L)	Total Hardness (mg/L)	Average Manganese (mg/L)	Max Manganese (mg/L)	THM (µg/L) quarterly	HAA (µg/L) quarterly	NDMA (µg/L) quarterly
JAN	30,573	986	1259	1.10	2.49	1.00	2.26	8.30	8.40	242	0.12	0.20	0.22	0.33	3.00	3.20	224	0.07	0.18	53.75	32.13	< 0.0009
FEB	28,511	1018	1342	1.33	2.55	0.70	2.02	4.00	4.00	372	0.12	0.18	0.27	0.42	1.40	1.70	361	0.12	0.35	-	-	-
MAR	30,820	994	1223	1.38	2.37	1.01	2.00	4.60	4.60	330	0.16	0.19	0.26	0.35	2.00	2.00	329	0.06	0.09	-	-	-
APR	31,287	1043	1266	0.83	3.60	0.79	1.79	3.30	5.60	169	0.11	0.13	0.35	0.53	1.60	1.70	161	0.03	0.04	27.00	26.80	< 0.0009
MAY	38373	1238	1571	0.85	2.87	0.30	2.63	6.90	6.90	222	0.13	0.19	0.48	0.77	2.00	2.00	218	0.03	0.05	-	-	-
JUN	39275	1309	1879	1.50	2.37	0.66	2.33	3.30	3.30	275	0.31	0.88	1.04	4.43	1.60	1.60	281	0.11	0.55	-	-	-
JUL	39232	1266	1988	0.73	3.10	0.58	2.40	5.20	5.20	274	0.62	1.22	4.06	13.20	1.00	1.00	271	0.39	1.00	147.00	119.00	0.0024
AUG	36194	1168	1449	1.00	2.96	0.30	2.45	5.90	5.90	245	0.11	0.17	0.41	0.50	3.10	3.10	248	0.03	0.07	-	-	-
SEP	37708	1257	1524	0.97	3.26	0.46	2.06	8.50	8.50	308	0.20	0.53	0.45	0.73	4.40	4.40	287	0.03	0.06	-	-	-
OCT	36609	1181	1851	0.99	2.85	0.54	2.07	1.80	6.70	323	0.12	0.16	0.42	0.59	0.20	1.50	321	0.04	0.07	90.00	28.30	< 0.0009
NOV	34467	1149	1442	1.02	2.65	0.54	2.18	6.70	6.70	333	0.09	0.10	0.34	0.42	4.70	4.70	329	0.04	0.06	-	-	-
DEC	34789	1122	1329	1.31	2.65	0.79	2.58	5.60	6.50	337	0.09	0.16	0.36	0.50	3.90	4.40	333	0.04	0.06	-	-	-
TOTAL	417,839																					
AVG		1,144						5.34	6.03	286	0.18		0.72		2.41	2.61	280	0.08		79.44	51.56	0.0009
MAX			1,988		3.60		2.63					1.22		13.20				1.00				
MIN				0.73		0.30																
CRITERIA			3,182	CT		0.25	3.00													<100	<80	<0.009

MONTH	SYSTEM FLOWS (RAW)			ACTIFLO FILTER #1		ACTIFLO FILTER #2		Efficiency		TANK		TREATED				E. coli / Total Coliform / HPC (Number of Samples Collected)				RAW WATER			
	Total Flow (m ³)	Avg. Day Flow (m ³)	Max. Flow (m ³)	Max. Flow Rate (L/min)	Avg. Turbidity (NTU)	Max. Turbidity (NTU)	Avg. Turbidity (NTU)	Max. Turbidity (NTU)	Turbidity % < 0.3 NTU Filter #1	Turbidity % < 0.3 NTU Filter #2	Backwash TSS (mg/L)	Supernatant TSS (mg/L)	OL Avg. Turbidity (NTU)	OL Max. Turbidity (NTU)	Min UV Intensity (mJ/cm ²)	Min UVT (%)	Safe		Adverse		Max. Coliform Count	Max. E.coli Count	
																		Treated	Distribution	Treated	Distribution		
JAN	38,963	1257	1790	2195	0.14	0.56	0.08	0.84	99.71	99.71	11	3	0.44	0.90	70	81	5	15	0	0	16,200	66	
FEB	38,499	1375	1666	2149	0.15	0.34	0.10	0.29	99.97	99.97	3	6	-	-	65	87	4	12	0	0	1,860	85	
MAR	38,816	1252	1606	2016	0.16	0.72	0.11	0.38	98.93	98.93	3	5	-	-	82	86	4	12	0	0	780	76	
APR	39,411	1314	1963	2086	0.18	0.81	0.14	0.71	97.00	98.39	3	11	-	-	96	86	4	12	0	0	19,600	45	
MAY	45,286	1461	1750	2021	0.21	0.83	0.15	0.71	92.56	97.25	14	9	-	-	63	85	5	15	0	0	2,400	152	
JUN	44,165	1472	2317	2171	0.28	0.93	0.20	0.86	71.41	90.61	12	9	0.90	3.70	81	86	4	12	0	0	50	14	
JUL	47,573	1535	2070	2215	0.35	0.86	0.38	0.98	50.56	63.44	15	7	2.83	5.00	73	87	5	16	0	0	20,000	290	
AUG	41,731	1346	1844	1993	0.15	0.80	0.19	0.68	98.96	96.84	10	4	0.29	1.55	75	72	4	12	0	0	110	26	
SEP	42,782	1426	1737	1970	0.18	0.90	0.24	0.68	94.45	90.74	15	6	0.33	0.69	68	69	4	12	0	0	150	12	
OCT	42,127	1359	1919	1925	0.17	0.73	0.22	0.62	95.72	91.81	15	8	0.30	0.70	66	74	5	15	0	0	160	43	
NOV	40,414	1347	1648	2070	0.19	0.95	0.22	0.49	99.36	98.04	13	4	0.24	2.25	55	70	4	12	0	0	1,600	52	
DEC	42,985	1387	1586	2256	0.16	0.67	0.16	0.36	99.09	98.65	15	13	0.25	1.18	54	64	4	12	0	0	18,000	56	
TOTAL	502,751																52	157	0	0			
AVG		1,378			0.19		0.18		91.48	93.70	10.8	7.1	0.70										
MAX			2,317	2,256		0.95		0.98			15	13		5.00							20,000	290	
MIN															54.00	64.00							
CRITERIA			3,182	2,205		<1		<1	>95%	>95%	<25	<25		<5	>40								

COMMENTS: * Treated Water OL Turbidity - No reliable readings trended on SCADA from January 20th - 31th, February, March, April, May, June 1 to June 14th 2023
 ** Added Individual Filter Efficiency Tracking in April 2023
 *** Raw Water Flow Rate Spike above 2205 L/min on July 17, 2023 & December 19, 2023 for less than 1 minute.

**ONTARIO CLEAN WATER AGENCY
PERFORMANCE ASSESSMENT REPORT**

OWNER: MUNICIPALITY OF CASSELMAN
PROJECT: CASSELMAN WASTEWATER TREATMENT SYSTEM
ECA NUM.: 8160-BAHPRF
DESCRIPTION: MOVING BED BIOLOGICAL REACTOR (MBBR) TREATMENT LAGOON

YEAR: 2023
WATER COURSE: NATION RIVER
DESIGN CAPACITY: 2,110 m³/d
FACILITY WORKS#: 110002201

MONTH	RAW								EFFLUENT										
	Total Flow m ³	Avg Day Flow m ³	Max Day Flow m ³ /d	Avg Alum Dosage (mg/L)	Avg Raw BOD5 (mg/L)	Avg Raw TSS (mg/L)	Avg. Raw TKN (mg/L)	Avg Raw TP (mg/L)	Effluent Flow m ³	Effluent Avg Flow m ³	Effluent Max Flow m ³ /d	Avg CBOD5 (mg/L)	Avg TSS (mg/L)	Avg TAN (mg/L)	Avg TP (mg/L)	Avg TKN (mg/L)	Avg Nitrate (mg/L)	Avg Nitrite (mg/L)	E. coli (cfu/100 mL)
JAN	48,260	1,557	2,167	175	167	240	36.8	4.10	131,702	4,248	4,906	7.6	12.0	15.8	0.36	19.5	7.1	0.09	2717
FEB	45,524	1,626	1,948	192	500	660	82.0	9.14	56,404	2,014	2,344	4.3	10.3	11.1	0.47	14.2	18.5	0.12	738
MAR	61,249	1,976	2,888	188	294	480	52.0	6.29	60,153	1,940	3,458	4.0	8.0	0.91	0.36	2.6	29.1	0.07	598
APR	69,141	2,305	3,316	191	97	156	33.3	3.73	106,114	3,790	4,734	3.3	5.8	0.72	0.51	2.4	15.8	0.07	20
MAY	47,919	1,546	2,216	163	329	850	33.4	6.42	33,643	4,205	4,977	3.0	5.0	0.08	0.44	1.4	10.2	0.05	2
JUN	36,924	1,231	1,289	92	293	590	86.0	9.22											
JUL	48,167	1,554	1,688	127	439	630	49.3	7.24											
AUG	44,749	1,444	1,636	84	266	988	32.0	4.06											
SEPT	36,022	1,201	1,317	85	220	330	50.8	5.17											
OCT	37,523	1,210	1,254	64	341	630	124.0	11.40	60,800	2,252	2,456	3.0	3.8	0.07	0.09	1.2	0.8	0.05	12
NOV	38,462	1,282	1,344	73	426	880	82.4	9.95	65,334	2,178	2,406	3.0	3.3	0.35	0.08	1.8	1.1	0.06	3
DEC	53,888	1,738	2,031	63	506	740	86.1	10.70	58,478	1,886	1,928	3.0	6.0	0.32	0.06	1.8	4.0	0.06	2
TOTAL	567,828								572,628										
AVG		1,556		125	323	598	62	7.29		2,814		3.9	6.8	3.7	0.30	5.6	10.8	0.07	37
MAX			3,316		506	988	124	11.40			4,977	7.6	12.0	15.8	0.51	19.5	29.1	0.12	2,717
CRITERIA						Fall Discharge			267,650	2,909									
A						Winter/Spring Dircharge			502,500	3,722	5,000								

COMPLIANCE											YES									
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MONTH	UPSTREAM*				DOWNSTREAM**			
	Avg CBOD5 (mg/L)	Avg TSS (mg/L)	Avg TAN (mg/L)	Avg PHOS. (mg/L)	Avg CBOD5 (mg/L)	Avg TSS (mg/L)	Avg TAN (mg/L)	Avg PHOS. (mg/L)
JAN	3.0	17.0	0.10	0.08	-	-	-	-
FEB	-	-	-	-	-	-	-	-
MAR	-	-	-	-	-	-	-	-
APR	3.3	75.0	0.35	0.22	2.75	19.0	0.20	0.10
MAY	3.0	17.5	0.05	0.11	3.0	78.5	0.05	0.09
JUN								
JUL								
AUG								
SEPT								
OCT	3.0	8.6	0.19	0.07	3.0	12.6	0.16	0.07
NOV	3.0	8.5	0.26	0.08	3.0	8.5	0.18	0.06
DEC	3.0	11.0	0.06	0.05	3.3	32.3	0.06	0.12
TOTAL								
AVG	3.0	23	0.17	0.10	3.0	30.2	0.13	0.09
MAX	3.25	75.0	0.35	0.22	3.3	78.5	0.20	0.12
CRITERIA								

COMPLIANCE																				
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Comments:

*No Upstream Samples required to be collected when downstream sampling is not feasible (January 31, February, March, 2023)

**No Downstream samples were taken due to ice cover on the Nation River (January, February, March, 2023)

Appendix B

Work Order Summary Reports



Monthly Work Order Summary – December 2023

Casselman Drinking Water System

Description	Status	Work Type
Analyzer Total Chlorine Inspection/Service (1m) 5971	COMP	PM
Analyzer pH Inspection/Service (1m) 5971	COMP	PM
Analyzer Spectrophotometer Insp/Service (1m) - 5971	COMP	PM
Analyzer Turbidity Inspection/Service (1m) 5971	COMP	PM
Blower Centrifugal Inspection/Service (1m) 5971	COMP	PM
Air Compressor Inspection/Service (1m) 5971	COMP	PM
Dryer Air Service (1m) - 5971	COMP	PM
Generator Inspection (1m) 5971	COMP	PM
Mixer Chemical Inspection (3m) 5971	COMP	PM
PANEL ALARM/DIALER TEST (1m) - 5971	COMP	PM
UV Light Bank Insp/Service (1m) - 5971	COMP	PM
Monthly H&S Equipment Check (1m) - 5971	COMP	PM
Client Reports (1m) - Casselman 5971	COMP	PM
UVT Sensor Checks/Calibration (1m) - 5971	COMP	PM
Pump Diaphragm Coagulant Route Inspection/Service (1m) 5971	COMP	PM
Pump Diaphragm Polymer Route Inspection/Service (1m) 5971	COMP	PM
Pump Diaphragm Sodium Hydroxide Route Inspection/Service (1m) 5971	COMP	PM
Pump Diaphragm Ammonium Sulphate Route Inspection/Service (1m) 5971	COMP	PM
Pump Diaphragm Potassium Permanganate Route Inspection/Service (1m) 5971	COMP	PM
Analyzer Turbidity Inspection/Service (1m) 1501	COMP	PM
WISKI Monthly Review(1m) 5971	COMP	PM
UV Sensor Reference Check/Calibration (1m) - 5971	COMP	PM
Relief Valve UV Room Inspection (3m) 5971	COMP	OPER
Workplace Inspection (1m) - 5971	COMP	OPER
Capital - Casselman - 5971 - WTP - Electrician Service Call	COMP	EMER
Capital - Casselman - WTP - 5971 - Flow meter repair for backwash meter	COMP	CAP
Capital - Casselman - 5971 - WTP - Chemical Pump Parts	COMP	CAP
Capital - Casselman - WTP - 5971 - Compressor and dryer work	COMP	CAP
Parts, Service & Calibration of WTP Chemical Analyzers	COMP	CAP
Capital - Casselman - WDS - 1553 - Hydrant #119 valve repair	COMP	CAP
Capital - Casselman - WDS - 1553 - VB43 repair at St Isidore\ Desnoyers	COMP	CAP
Capital - Casselman - WDS - 1553 - VB42 repair at St Isidore\Laval	COMP	CAP
Capital - Casselman - WDS - 1553 - VB #46 St Isidore\Des Erables repair	COMP	CAP
Capital - Casselman - WDS - 1553 - VB repair at St Isidore\Guillaume St	COMP	CAP
Capital - Casselman - WDS - 1553 - Valve Parts for St Isidore	COMP	CAP
Capital - Casselman - WDS - 1553 - VB #164 St Isidore\Percy repair	COMP	CAP
Capital - Casselman - WDS - 1553 - Hydrant #60 at St Isidore\Percy repair	COMP	CAP
Capital - Casselman - WDS - 1553 - VB #47 Percy\St Isidore repair	COMP	CAP
Capital - Casselman - WDS - 1553 - VB #47 Laval\St Isidore repair	COMP	CAP
Capital Parts for Hydrant Repairs Casselman Dist 1553	COMP	CAP

Monthly Work Order Summary – December 2023

Casselman Drinking Water System

Capital - Casselman - WDS - 1553 - VB #45 Isabelle\St Isidore repair	COMP	CAP
Capital - Casselman - WDS - 1553 - VB #41 St Anne\St Isidore repair	COMP	CAP
Capital - Casselman - WDS - 1553 - VB #39 St Joseph\St Isidore repair	COMP	CAP
Budget- Extra Year end Valve work Casselman Distribution 1553 (approved by Pierre-Paul)	COMP	CAP
Casselman - 1553 - WD - Turn Off/On Water Service - 736 Brebeuf St	COMP	CAP
Casselman - 1553 - WD - Turn On Water Service - 722 St Joseph	COMP	CAP
Call Back - Casselman - 5971 - WTP - High pressure diferential issues for filter #2	COMP	CALL
Casselman 5971 WTP - High turbidity and differential issues with acitflo #2	COMP	CALL
Call Back - Casselman WTP - 5971 - Filter #2 Pressure Differential	COMP	CALL
Call Back - Casselman WTP - 5971 - Filter #1 High Level	COMP	CALL
Call Back - Casselman WTP - 5971 - Distribution High Chlorine	COMP	CALL
Call Back - Casselman WTP - 5971 - Filter #2 High Level	COMP	CALL
Casselman 5971 Actiflo 1 Chloramination	COMP	CALL
Casselman Dist 5971 Activflo 2	COMP	CALL
Casselman Dist 5971	COMP	CALL
Casselman Dist 5971 Actiflow 1 high level lockout	COMP	CALL
Casselman Dist 5971 Power Outage.	COMP	CALL
Call Back - Casselman - 5971 - WTP - Power outage	COMP	CALL
CallBack - Casselman - 5971 - WTP - Actiflo1 low lvl	COMP	CALL
CallBack - Casselman - 5971 - WTP - Actiflo1 and 2	COMP	CALL
CallBack - Casselman - 5971 - WTP - Actiflo1 and 2	COMP	CALL
CallBack - Casselman - 5971 - WTP - Actiflo1 and Spare 24 Burgarly Alarm	COMP	CALL
Call Back - Casselman - 5971 - WTP - Back to back backwashes for filters	COMP	CALL
Call Back - Casselman - 5971 - WTP - High level for filter 1	COMP	CALL

Monthly Work Order Summary – December 2023
Casselman Wastewater Treatment & Collection System

Description	Status	Work Type
Generator Inspection (1m) SPS #1 1501	COMP	PM
Generator Inspection (1m) SPS #2 1501	COMP	PM
Generator Inspection (1m) SPS #3 1501	COMP	PM
Generator Inspection (1m) SPS #5 1501	COMP	PM
Generator Inspection (1m) SPS #6 1501	COMP	PM
Generator Inspection (1m) 1501	COMP	PM
Analyzer Turbidity Inspection/Service (1m) 1501	COMP	PM
PANEL ALARM/DIALER TEST SPS#4 (1m) 1501	COMP	PM
Monthly H&S Equipment Check (1m) - 1501	COMP	PM
Blower Inspection/Service (1m/1y) 1501	COMP	PM
Blower Inspection/Service (1m/1y) 1501	COMP	PM
Blower Inspection/Service (1m/1y) 1501	COMP	PM
Blower Inspection/Service (1m/1y) 1501	COMP	PM
Blower Inspection/Service (1m/1y) 1501	COMP	PM
Blower Inspection/Service (1m/1y) 1501	COMP	PM
Bar Screen Inspection (1m) 1501	COMP	PM
PANEL ALARM/DIALER TEST (1m) - 1501	COMP	PM
PANEL ALARM/DIALER TEST SPS#6 (1m) - 1501	COMP	PM
PANEL ALARM/DIALER TEST SPS#3 (1m) - 1501	COMP	PM
PANEL ALARM/DIALER TEST SPS#2 (1m) - 1501	COMP	PM
PANEL ALARM/DIALER TEST SPS#5 (1m) - 1501	COMP	PM
PANEL ALARM/DIALER TEST SPS#1 (1m) - 1501	COMP	PM
PANEL ALARM/DIALER TEST LAGOON (1m) - 1501	COMP	PM
WISKI Monthly Review(1m) 1501	COMP	PM
Workplace Inspection (1m) - 1501	COMP	OPER
Capital - Casselman - WTT - 1501 - H2S Sensor Replacement at SPS #1 and Flygt Panel Replacement SPS2	COMP	CAP
Capital Purchased chains for Wet Well Repairs Casselman Sewage 1501	COMP	CAP
Casselman Sewage 1501 Emergency call back Low wet well alarm - Sludge Buildup	COMP	CAP
Call Back - Casselman WWT - 1501 - Power outage	COMP	CALL
Call Back - Casselman - 1501 - WWT - High level and high float at SPS 1	COMP	CALL

Appendix C

Locate Summary



Casselman Monthly Locate Summary – December 2023

Description	Status	Work Type
Locate Casselman WDS 1553 - 2023493562 - 720 - 724 St Joseph	COMP	OPER
Locate Casselman WDS 1553 - 20234910560 - 42 Roger Cres	COMP	OPER
Locate Casselman WDS 1553 - 20234911496 - Racine + Industriel St	COMP	OPER
Locate Casselman WDS 1553 - 2023513966 - Principale + Filion	COMP	OPER
Total		4