



JOINT BOARD OF MANAGEMENT

Wednesday, November 17, 2021

9:00 AM

Via Zoom

AGENDA

A. Call to Order:

B. Disclosures of Pecuniary Interest:

C. Approval of Minutes:

Minutes of the meeting of the Union Water Supply System Joint Board of Management Meeting held Wednesday, October 20, 2021
Pages 2 - 7

D. Business Arising Out of the Minutes

E. Items for Consideration:

1. UW/36/21 dated November 10, 2021 re: Status Update of UWSS Operations & Maintenance Activities and Capital Works to November 10, 2021
Pages 8 - 10
DAF Progress Report Pages 11 - 28
2. UW/37/21 dated November 10, 2017 re: Payments from end of September to November 10, 2021
Pages 29 - 36

F. New Business:

G. Adjournment:

H. Date of Next Meeting: December 15, 2021, 9:00 am, TBD



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**JOINT BOARD OF
MANAGEMENT**

Wednesday, October 20, 2021
9:00 AM
Virtually in Zoom

MINUTES

Members Present Mayor MacDonald (Vice-chair); Deputy Mayor Verbeke, Councillors Dunn, Hammond, Jones, Tiessen - Leamington
Mayor Santos (Chair), Deputy Mayor Queen, Councillor DeYong, Patterson - Kingsville
Councillor VanderDoelen - Essex
Deputy Mayor Bain (alternate) - Lakeshore

Members Absent: Councillor Walstedt - Lakeshore

Also in Attendance: Rodney Bouchard, Union Water Supply System Manager
Khristine Johnson, Recording Secretary

Municipal Staff Present: Kevin Girard, Andy Graf - Town of Essex
Andrew Plancke, Shaun Martinho - Town of Kingsville
Krystal Kalbol - Municipality of Lakeshore
Laura Rauch, Shannon Belleau - Municipality of Leamington

OCWA Staff Present: Dale Dillen
Ken Penney

Consultants Present: Vincent LaPlante - Associated Engineering
Samantha Cauley - Associated Engineering

Call to Order: 9:01 am

Disclosure of Pecuniary Interest: none

Adoption of Board Minutes:

No. UW-57-21

Moved by: Councillor Hammond

Seconded by: Deputy Mayor Queen

That the Minutes of the UWSS Joint Board of Management meeting of Wednesday, September 22, 2021 is received.

Carried

Business Arising out of Minutes:

There was none

Report UW/33/21 dated October 15, 2021 re: Status Update of the UWSS Operations and Maintenance Activities and Capital Words to October 15, 2021

The Manager reviews his report with members of the Board. He explains that the DAF project is underway. He notes that the dome from Clarifier #2 has been removed and the basin is being prepared for rehabilitation. Further, the excavation for the auxiliary DAF equipment building and blow off chamber is complete and concrete has been poured. The next four (4) weeks will focus on foundations and rehabilitation of the Clarifier basin.

The next part of the stress test is scheduled now that tomato season has finished. The Manager reminds members that the filter capacity will be tested during this portion of the testing. This will allow team members to identify maximum output of individual filters total filtration capacity.

The Manager confirms that a new Total Residual Chlorine analyzer has been installed on a trial basis. This piece of equipment will monitor chlorine levels from the settling pond discharge and will measure more accurately in order to compliance.

The Lakeshore Distribution System supplied by UWSS has received its Annual Inspection report. The Manager reports that the inspection did not identify any areas of concern. The MOECP no longer provides a rating in the form of percentage, rather just Non-compliance/non-conformance issues.

OCWA staff will be out in the system exercising common asset watermain valves and will continue through November 2021.

Finally, flows are up over last year's average and the four (4) year average.

No. UW-58-21

Moved by: Councillor Patterson

Seconded by: Mayor Bain

That Report dated October 15, 2021 re: Status Update of the UWSS Operations and Maintenance Activities and Capital Words to October 15, 2021 is received.

Carried

Report UW/34/21 dated October 14, 2021 re: UWSS Infrastructure Review and Needs Study - Presentation of Preliminary Results to UWSS Board

The Manager reviews his report with the Board. He notes that one year ago the Board approved a budget for a study, which ties into the review of our Masterplan every five (5) year.

This particular portion of the study focuses on the treatment and transmission of storage. He further explains that the team of Associated Engineering (AE) and C3 Water (C3) collaborated to bring forth their finding.

Rodney then shares the screen with members of the Board and introduces Vincent LaPlante and Samantha McCauley, both of AE to review their presentation. Vincent notes that the presentation will focus on existing system review, growth areas within each municipality, future demands, storage requirements, and distribution system design criteria.

He then reviews the map of the four (4) pressure zones within the UWSS and explains about the existing storage capacity totalling 37.4 ML. He notes that the existing capacity had a bottleneck at the Clarifiers. This is why the DAF project will assist UWSS in this area.

Samantha then takes over to review the existing demands and how the information within the presentation was gathered. She notes that she gathered information from the UWSS SCADA system and billing data from the municipalities. She highlights the fact that demands have been increasing significantly over the last several years.

She then reviews the future growth of the UWSS, with data provided by the various planning departments, this included greenhouse growth expectations and population growth. She notes that for the purposes of the study all future greenhouse and industrial was broken down and put into the study as a population figure.

Samantha further remarks that the greenhouse industry is less affected by environmental factors and the Town of Essex just adopted a policy to allow for second dwelling units, which could have some impact on numbers.

The consultants both note that the take away from this study is that currently there is a deficit in water storage capacity. It is further noted that based on projected year over year municipal growth projection, storage capacity will need to be increased to meet projected 5 year demands and treatment capacity will need to be increased to meet 10 year projected demands.

Rodney then notes that going forward UWSS should address the storage issue by considering the new reservoir.

Councillor Verbeke asks if the UWSS is considering carrying the moratorium during this 5-10 year possible expansion in order to address some of the issues mentioned during the presentation. The Manager is hoping that after DAF Phase I is complete in the Spring of 2022, treatment capacity will be re-evaluated. However the reality is that the moratorium will most likely linger past March of 2022.

Deputy Mayor Queen wants to know if Watson & Associates needs to come back in to prepare an updated report regarding rates, which may be needed to accommodate the predicted growth. The Manager notes that this really depends on the restructuring aspect of the UWSS. The Price Waterhouse Cooper proposal includes a new reservoir and plant expansion without rate "shock" to the end users. Also, an incorporated UWSS would be

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Date: October 20, 2021

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eligible for provincial/federal grant funding. However, if restructuring does not happen then the UWSS will have to go back to the municipal owners to cover the debt, then yes, rates will increase.

Councillor DeYong asks then the last major plant expansion took place. Rodney notes that with the addition of Clarifier #4, as part of the last plant expansion, took place in 2004.

There is further discussions regarding where future growth might be in Essex and Lakeshore. Mayor Bain notes that greenhouses are looking to the northern end of the UWSS system to expand, which falls in the Lakeshore zone. Many feel that the issue of where greenhouse growth might be will be an ongoing issue for the foreseeable future.

The Chair thanks the consultants for their time and reviewing their presentation.

No. UW-59-21

Moved by: Councillor Dunn

Seconded by: Councillor DeYong

That report UW/34/21 dated October 14, 2021 re: UWSS Infrastructure Review and Needs Study - Presentation of Preliminary Results to the UWSS Board is received.

Carried

Report UW/35/21 dated October 15, 2021 re: Payments for September 2021

No. UW-60-21

Moved by: Councillor Tiessen

Seconded by: Councillor Patterson

That report UW/35/21 dated October 15, 2021 re: Payments for September 2021 is received.

Carried

Time: 9:45

The Union Water Supply System Joint Board of Management then moved into an in-camera session:

No. C-UW-10-21

Moved by: Councillor Jones

Seconded by: Councillor DeYong

That the UWSS Joint Board of Management moved into a closed session for the verbal discussion under Municipal Act Section 239 (2)(c) regarding a proposed or pending

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acquisition or disposition of land by the Union Water Supply System Joint Board of Management.

And further to consider:

Confidential Report Confidential Report C-UW03-21 dated October 14, 2021 Under Municipal Act Section 239 (2):

The security of the property of the municipality or local board.

A position, plan, procedure, criteria or instruction to be applied to any negotiations carried on or to be carried on by or on behalf of the municipality or local board

Carried

Disclosure of Pecuniary Interest and General Nature Thereof

There was none.

The Manager provides a verbal update on the land purchased by the UWSS. The board provides verbal direction to the Manager.

The Manager then reviews his report C-UW03-21 dated October 14, 2021 with the Board and the presentation contained within said report.

No. C-UW-11-21

Moved by: Councillor DeYoung

Seconded by: Councillor Jones

That the Manager is provided direction with regarding C-UW03-21 report.

No. C-UW-09-21

Moved by: Deputy Mayor Queen

Seconded by: Councillor Dunn

That the UWSS Joint Board of Management move out of closed session and return to the regular meeting

Carried

Out of in camera at 10:50 am

Report on Closed Session

The Chair provides the report on the closed session. He explains that the Manager provided a verbal update on the purchase of lands at 1529 Union Avenue and the

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possibility of leasing the operation to a greenhouse grower over the next one (1) to two (2) years.

The Chair called for a motion on this matter:

No. UW-61-21

Moved by: Deputy Mayor Queen

Seconded by: Councillor Hammond

That the UWSS Joint Board of Management authorize the Manager to move forward to execute the necessary lease agreements pertaining the property located at 1529 Union Avenue.

Carried

The Chair continues his report on the closed session. He notes there was a presentation of emergency services between the UWSS and the Windsor Utilities Commission (WUC). The Board also gave direction to the Manager to meet with the WUC and UWSS executives to continue with the study.

New Business:

Councillor DeYong explains that she has received some complaints from residents regarding the light on the newly refurbished Kingsville Water Tower. She notes that with the dark sky compliance by-law perhaps the lights could be placed on a timer. The Manager explains that he will ask operations to switch the lights over to a timer system.

Adjournment:

No. UW-62-21

Moved by: Deputy Mayor Verbeke

Seconded by: Councillor Vander Doelen

Time: 10:56 am

Date of Next Meeting: November 17, 2021, via Zoom

/kmj

To: Chair and Members of the Union Water Supply
System Joint Board of Management

From: Rodney Bouchard, UWSS General Manager

Date: November 10, 2021

Re: Status Update of UWSS Operations & Maintenance Activities and Capital
Works to November 10, 2021



Aim:

To inform the UWSS Board about operational and maintenance activities and capital works projects for the Union Water Supply System since the last Board meeting on October 20, 2021.

Discussion:

The UWSS General Manager conducts regular meeting with OCWA Operations staff in regards to on-going operations and maintenance programs for the UWSS facilities. The following provides an update on UWSS operations, regular maintenance and major maintenance and Capital Works at UWSS facilities:

1. Regular Maintenance on all process equipment and analyzers continue to be completed through OCWA's Workplace Maintenance Management System.
2. DAF Phase 1 Update: Rehabilitation, recoating and waterproofing of the interior of the Clarifier #2 basin has been completed. Rehabilitation and waterproofing of the blow down chamber lower level is almost complete. Foundation walls for the auxiliary building are complete. The work for next 4 (four) weeks will focus on below slab utility piping, granular backfill and pouring of auxiliary building slab; install of rebar and pouring of walls for new upper level of blow down chamber. A copy of the weekly progress report for the week ending November 5th, 2021, prepared by UWSS' consultant (Associated Engineering) site inspector, is attached to this report.
3. In the Spring of 2021 the UWSS retained Summa Engineering to design and build a new PLC cabinet for the Low Lift plant. This was needed since the existing PLC cabinet was outdated and too small to accommodate any new controllers, switches etc. Installation and testing of the PLC cabinet was completed by Summa from Oct 25-29. This new PLC cabinet presents a significant improvement in the hardware portion of the SCADA system.
4. Two new YSI EXO2 multiparameter monitoring instruments (e.g. sondes) have been purchased and installed at the low lift. Each of the two low lift intake wet wells is now outfitted with a sonde for real time monitoring of algae and related parameters included Blue Green Algae, Chlorophyll, Dissolved Oxygen and total dissolved solids. The probes also measure temperature and conductivity. The sondes have been connected to the SCADA system and real time data is displayed on the water treatment operator's screen. This data will help operators to address and proactively make adjustments to the treatment plant

Re: UW/36/21 - Status Update of UWSS Operations & Maintenance Activities and Capital Works to November 10, 2021

for algae related issues that may be occurring in the raw water entering the low lift plant.

5. Half of the high lift pumping system was shut down on November 9th to install a new isolation valve for High Lift pump #6. This new isolation valve will allow maintenance staff to upgrade a check valve for this pump to improve pump operation.
6. UWSS has ordered a new water quality instrument, Pipe::Scan, for installation on the outlet pipe of the Albuna Water Tower. The instrument will be evaluated on a trial basis. Pipe::scan is a multi-sensor instrument designed for monitoring drinking water quality in pipes under pressure. The instrument can measure up to 10 parameters in one device including turbidity, color, chlorine, pH/Redox, conductivity, temperature and pressure. The instrument will be connected to the SCADA system so that the readings can be viewed by the operator in real-time.
7. OCWA UWSS operations staff have completed the valve maintenance program on the common asset watermains for this year. Staff visited 106 valves in the common asset distribution system. However, only 85 valves were operated ("exercised") due to various issues such as seized valve stems, debris over valve boxes and access issues. Staff are developing a plan to address each of these issues in Spring 2022 so that these valves can be repaired and/or

The first chart shows comparative flows for 2017 through 2021 in Mega Litres (ML) and the second chart shows Millions of Imperial Gallons (MIG) for the period January 1st to November 8th, 2021.

	2017	2018	2019	2020	2021
Flow to Date (ML)	13,858.74	14,747.44	15,273.76	17,270.85	18,042.05
Max Day (ML)	75.57	82.48	85.40	97.33	93.83
Min Day (ML)	20.73	23.56	20.13	25.44	26.74
Average Day (ML)	44.28	47.12	48.80	55.00	57.64
No of Days	313	313	313	314	313

	2017	2018	2019	2020	2021
Flow to Date (MG)	3048.56	3244.05	3359.82	3799.13	3970.08
Max Day (MGD)	16.62	18.14	18.79	21.41	20.64
Min Day (MGD)	4.56	5.18	4.43	5.60	5.88
Average Day (MGD)	9.74	10.36	10.73	12.10	12.68
No of Days	313	313	313	314	313

Flows to date are up 771.2 ML (170.95 MIG) or 4.4% from last year. The 2021 flows to date are up 18% over the previous 4 year average.

Re: UW/36/21 - Status Update of UWSS Operations & Maintenance Activities and
Capital Works to November 10, 2021

Recommendation:

That this report be received by the UWSS Board for information purposes.

Respectfully submitted,



Rodney Bouchard, General Manager
Union Water Supply System Joint Board of Management
/kmj

Filename: t:\union wtr\reports to board\2021\uw36-21 uwss operations report for 2021.docx

Prepared By:	Sommer Lee, SI/CA	Date:	2021-11-08	File:	2020-5461.05.05
		Report No.:	08	Proj. No.	2020-5461
		Report Period:	2021-11-01 to 2021-11-05		
		Client :	Union Water Supply System (UWSS)		
		Client Contact :	Rodney Bouchard		
		Project:	UWSS Ruthven WTP DAF Retrofit Project Phase 1		

PROGRESS REPORT

TOTAL DAYS ON SITE THIS WEEK	DAYS LOST TO WEATHER THIS WEEK	REMAINING DAYS TO CONTRACT COMPLETION
5	0	As of 2021-11-08 , 194 days to contract completion (Original Contract Completion 2022-05-17 + 4 days lost to weather → Revised Contract Completion of 2022-05-21)

KEY EQUIPMENT ON SITE

QTY.	NAME	USE	DAYS IN OPERATION
1	Crawler Loader	Material Movement	N/A
1	Skid Steer	Clean up of Excavation – Clarifier No. 2 Blowdown Chamber	2021-11-02
1	Excavator	Clean up of Excavation – Clarifier No. 2 Blowdown Chamber	2021-11-02
1	Bulldozer	Material Movement	N/A
1	Dump Truck	Material Movement for bulk storage	N/A
1	Mini Excavator	Bulk Excavation	N/A
1	Telescopic Handler	Clarifier No. 2 Works	2021-11-01 to 2021-11-05
	Miscellaneous Tools & Equipment		2021-11-01 to 2021-11-05

KEY DELIVERIES TO SITE

DATE	MATERIALS / EQUIPMENT DELIVERED	NOTES
2021-11-01	<ul style="list-style-type: none"> 10" 316L SS Process Piping – Below Grade Saturation Piping for DAF No. 1 System 	

WORK COMPLETED

DATE & WEATHER	SUMMARY OF WORK	ASSOCIATED PHOTOS
2021-11-01 Sunny 9°C/2°C	<ul style="list-style-type: none"> AGF on site working on rebar installation. Velez working on formwork for the slope foundations. On Sunday, 2021-11-01, Tarpon sprayed Clarifier No. 2 partly (20% of the clarifier walls) with the specified Gem-Plast TC (across the interior walls) for resurfacing the walls in preparation for the waterproofing product (cem-kote flex ST). Tarpon working on spraying the remainder of the Clarifier interior walls with the specified Gem-Plast TC. Lakeshore Concrete Supply on site at 12:30PM to pour concrete (9 cubic metres) for the slope/step foundation – top two steps of the Auxiliary Building. Concrete covered with burlap post-pour to allow for curing. 	1 – 31

	<ul style="list-style-type: none"> Maple and AGF working on setting up stainless steel process pipe sleeves in the rebar/formwork – to be cast-in-place. 	
2021-11-02 Partly Sunny 8°C/-2°C	<ul style="list-style-type: none"> Tarpon continuing spraying Clarifier No. 2 interior walls with the specified Gem-Plast TC. NJS working on cleaning up Clarifier No. 2 blowdown chamber excavation sloping in preparation for two access saw-cuts in the ceiling of the 1st level of the existing blowdown chamber. Velez on site working on formwork for the bottom step of step foundation – below grade. 	32
2021-11-03 Mostly Cloudy 7°C/-1°C	<ul style="list-style-type: none"> Formwork being completed by Velez on the southwest and southeast corner of the Auxiliary building – below grade. Tarpon completed spraying Clarifier No. 2 interior walls with the specified Gem-Plast TC. 	
2021-11-04 Mostly Cloudy 7°C/-1°C	<ul style="list-style-type: none"> Tarpon working on outer perimeter edge cove with Meadow-Crete OV – patching compound. Velez working on formwork for the below grade wall on the south side of the Auxiliary building. Maple and AE inspected the Clarifier Inlet and Outlet pipe stubs. Heavy corrosion on the existing inlet / future outlet that has decreased the wall thickness. The corrosion is limited to the pipe stub inside the Clarifier and does not seem to extend in the pipe within the ground. Mike Olewski, Town of Kingsville Building Inspector, inspected the bottom step rebar of the Auxiliary Building West wall. Inspection passed. 	
2021-11-05 Sunny 10°C/3°C	<ul style="list-style-type: none"> Concrete pour for the bottom step of the east and west walls for the Auxiliary Building. Valez working on formwork for below grade wall on the south side and stripping the below grade walls on north side of the Auxiliary building. Tarpon working on spraying the second layer of Gem-Plast TC on Clarifier No. 2 interior walls. David Boyle from W.R. Meadows on site to observe Tarpon's coating methods and review their coatings plan for the waterproofing product application to take place next week. No concerns noted. 	

KEY CONTRACTORS AND SUBCONTRACTORS ON SITE

- Maple Reinders Constructors Ltd. (Maple), 2021-11-01 to 2021-11-05
- NJS Excavation (NJS), 2021-11-02
- Valez Construction (Valez), 2021-11-01 to 2021-11-05
- Tarpon, 2021-11-01 to 2021-11-05
- Lakeshore Concrete Supply, 2021-11-01 and 2021-11-05
- AGF, 2021-11-01

- KT Crane, 2021-11-02
- Brevon Concrete Cutting and Coring, 2021-11-02

VISITORS AND PURPOSE OF VISIT:

- Fadi Zakko, Field Technician (Golder) – Auxiliary Building Concrete Pour Test (2021-11-01)
- Mike Olewski, Building Inspector (Town of Kingsville) – Auxiliary Building Rebar Inspection (2021-11-04)
- David Boyle, Outside Sales Representative (W.R. Meadows) – Clarifier No. 2 Coatings Observation (2021-11-05)
- Atefeh Mehdilou, Field Technician (Golder) – Auxiliary Building Concrete Pour Test (2021-11-05)

REQUESTED REVISIONS OR INTERPRETATIONS, FIELD INSTRUCTIONS, CHANGE DIRECTIVES

- Requested field instruction for elevation of sump pit – perforated line for weeping tile bed (Auxiliary Building) – Submitted 2021-11-01
- Requested field instruction for waterproofing detail on outside of the Clarifier Tank within the Blowdown Chamber - Submitted 2021-11-02
- RFI 018 - Substitution MCC11 Feeder Conduit – Submitted 2021-11-02
- RFI 019 - Conduit Penetration for Aux. Building – Submitted 2021-11-02
- RFI 020 - MCC Feeder for Rapid Mixer – Submitted 2021-11-02
- RFI 021 - MCC4 Breaker Replacement – Submitted 2021-11-02
- RFI 022 - Additional Conduit Rough-in for DAF – Submitted 2021-11-02
- RFI 023 - Relocation of Feeder Ductbank – Submitted 2021-11-02
- RFI 024 - Change to E-stop on NR Controls – Submitted 2021-11-02
- RFI 025 – Quick Connect Box for Generator – Submitted 2021-11-04

NONCONFORMING WORK REPORTED TO CONTRACTOR:

- None to note during this period.

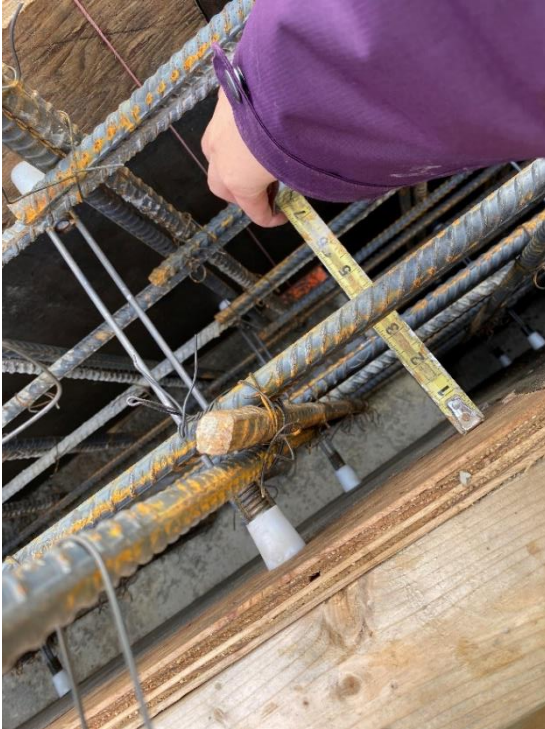
ISSUES THAT MAY LEAD TO DELAYS IN PROJECT DELIVERY:

- None to note during this period.

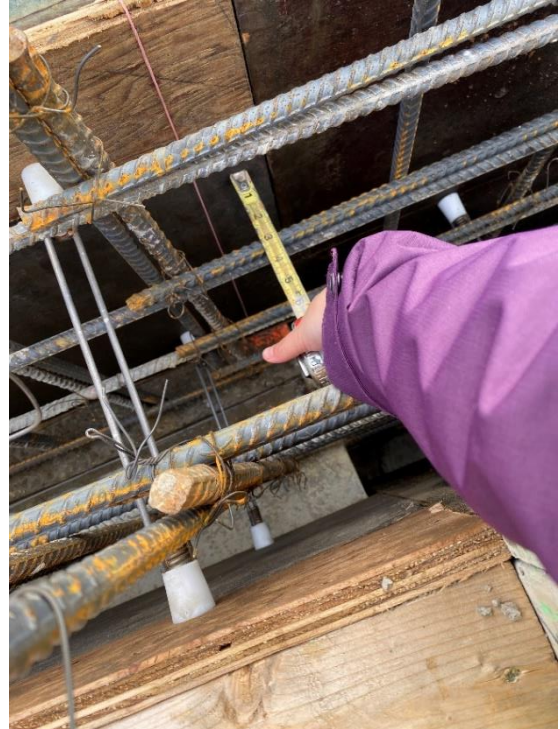
ATTACHMENTS AND OTHER INSPECTION/OBSERVATION REPORTS:

- Concrete Test Report – Golder (2021-11-01)
- Rebar Inspection Report – Town of Kingsville (2021-11-04)

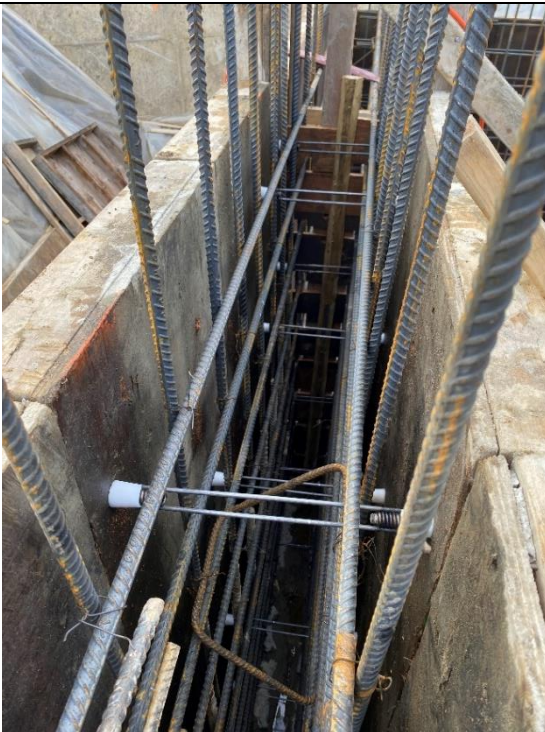
PHOTOS



1. Auxiliary Building – East Slope Foundation Rebar (2021-11-01)



2. Auxiliary Building – East Slope Foundation Rebar (2021-11-01)



3. Auxiliary Building – East Slope Foundation Rebar (2021-11-01)



4. Auxiliary Building – North Below Grade Formwork and Rebar (2021-11-01)



5. Auxiliary Building – South Below Grade Wall Rebar (2021-11-01)



6. Auxiliary Building – Southeast Below Grade Wall Rebar (2021-11-01)



7. Auxiliary Building – East Slope Foundation Rebar (2021-11-01)



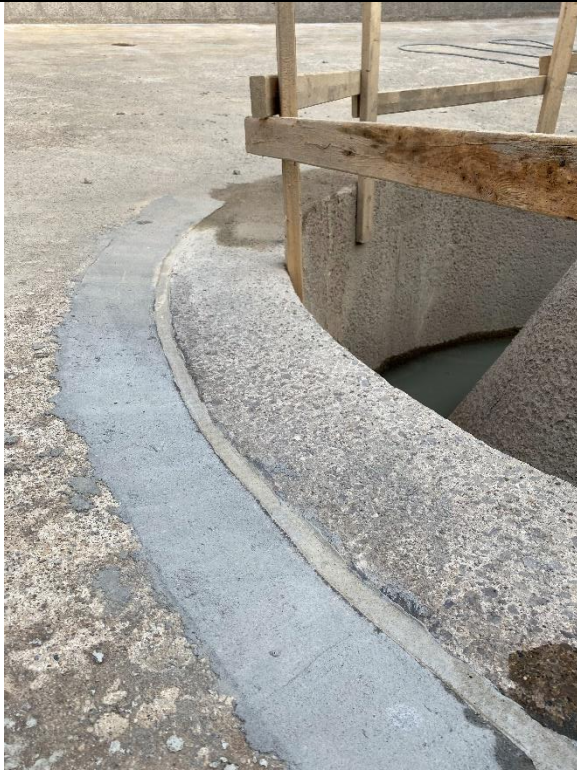
8. Auxiliary Building – East Slope Foundation Rebar (2021-11-01)



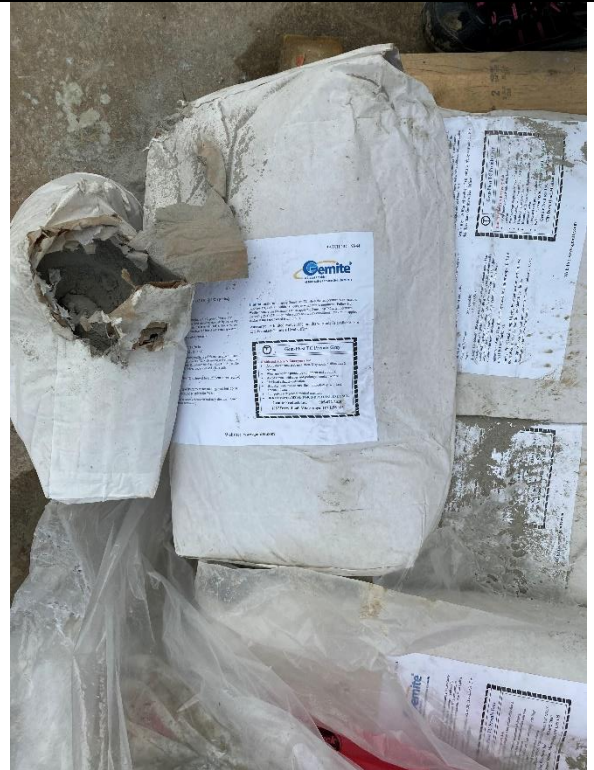
9. Auxiliary Building – Rebar and Formwork Installations (2021-11-01)



10. Clarifier No. 2 – Sludge Blowdown Cone (2021-11-01)



11. Clarifier No. 2 – Sludge Blowdown Cone Type 1A Concrete Repairs and New Expansion Joint



12. Clarifier No. 2 – Gem Plast TC for Interior Wall Coating (2021-11-01)



13. Clarifier No. 2 – Gem Plast TC for Interior Wall Coating in Progress (2021-11-01)



14. Clarifier No. 2 – Transition from Substrate to Gem Plast TC for Interior Wall: Coating in Progress (2021-11-01)

	
15. Clarifier No. 2 – Gem Plast TC for Interior Wall Coating in Progress (2021-11-01)	16. Clarifier No. 2 – Gem Plast TC for Interior Wall Coating in Progress (2021-11-01)
	
17. Clarifier No. 2 – Gem Plast TC for Interior Wall Coating in Progress (2021-11-01)	18. Clarifier No. 2 – Gem Plast TC for Interior Wall Coating in Progress (2021-11-01)



19. Clarifier No. 2 – Gem Plast TC for Interior Wall Coating in Progress up to the Top of the Clarifier Tank (2021-11-01)



20. Process Piping – 316 SS for the Saturation and Recycle Line Delivered (2021-11-01)



21. Process Piping – 316 SS for the Saturation and Recycle Line Delivered (2021-11-01)



22. Process Piping – 316 SS for the Saturation and Recycle Line Delivered (2021-11-01)



23. Auxiliary Building – Concrete Pour for East and West Step Foundations and North Wall Below Grade (2021-11-01)



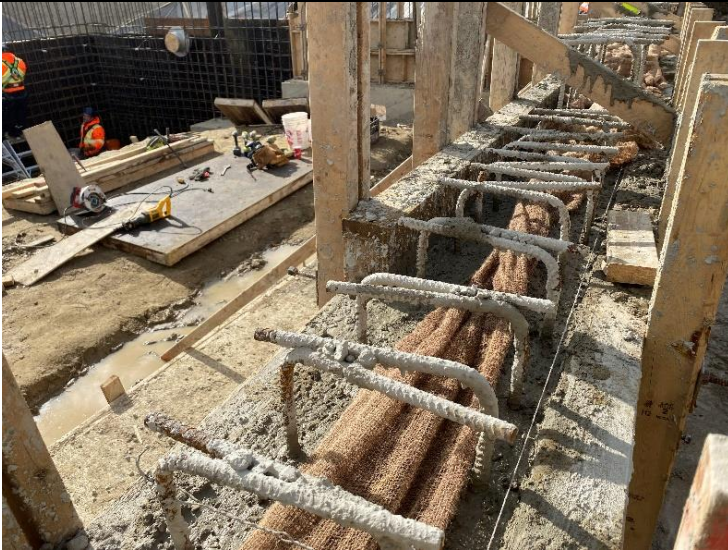
24. Auxiliary Building – Concrete Pour for East and West Step Foundations and North Wall Below Grade (2021-11-01)



25. Auxiliary Building – Sump Pit Rebar (2021-11-01)



26. Auxiliary Building – Concrete Pour for East and West Step Foundations and North Wall Below Grade (2021-11-01)



27. Auxiliary Building – Concrete Pour: North Wall Below Grade (2021-11-01)



28. Auxiliary Building – Concrete Pour: East Step Foundations Below Grade (2021-11-01)



29. Auxiliary Building – Rebar Label (2021-11-01)



30. Auxiliary Building – Formwork Wood (2021-11-01)



31. Auxiliary Building – West Wall Formwork Below Grade (2021-11-02)



32. Auxiliary Building – Formwork for Below Grade walls in Progress (2021-11-02)



33. Clarifier No. 2 – Gem Plast TC for Interior Wall Coating in Progress (2021-11-02)



34. Clarifier No. 2 – Blowdown Chamber Cores and Subsequent Saw Cutting Complete (2021-11-02)



35. Clarifier No. 2 – Gem Plast TC for Interior Wall Coating in Progress (2021-11-03)



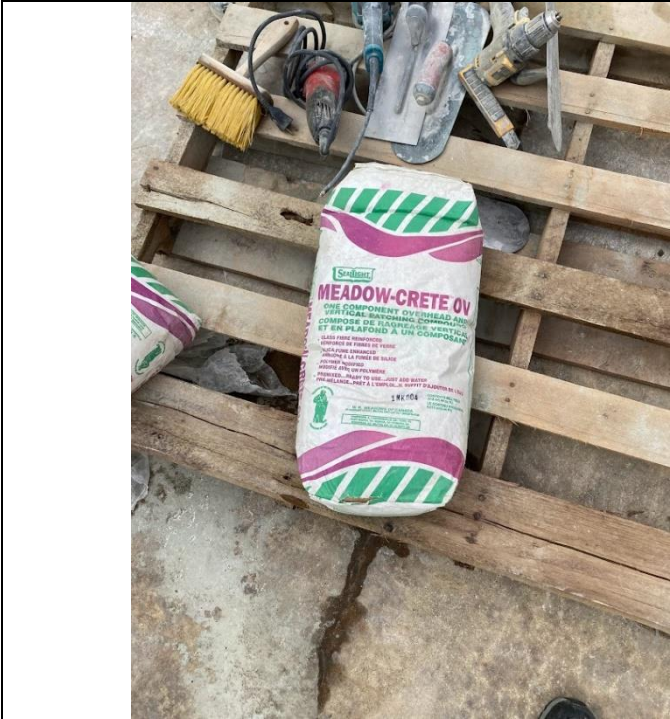
36. Auxiliary Building – Formwork for Below Grade walls in Progress (2021-11-03)



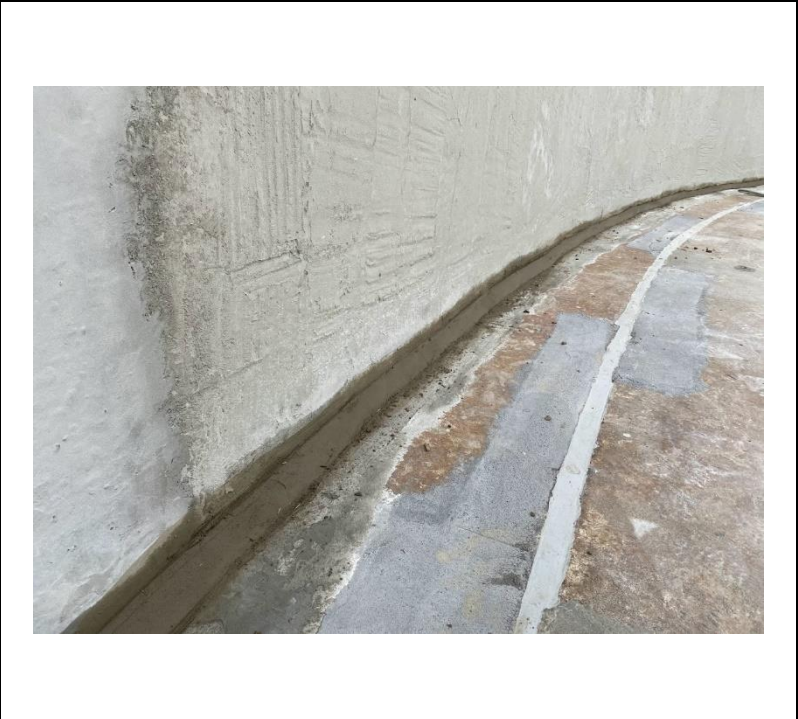
37. Auxiliary Building – Rebar Installation for Sump Complete (2021-11-03)



38. Auxiliary Building – Southeast Corner Formwork for Below Grade Walls (2021-11-03)



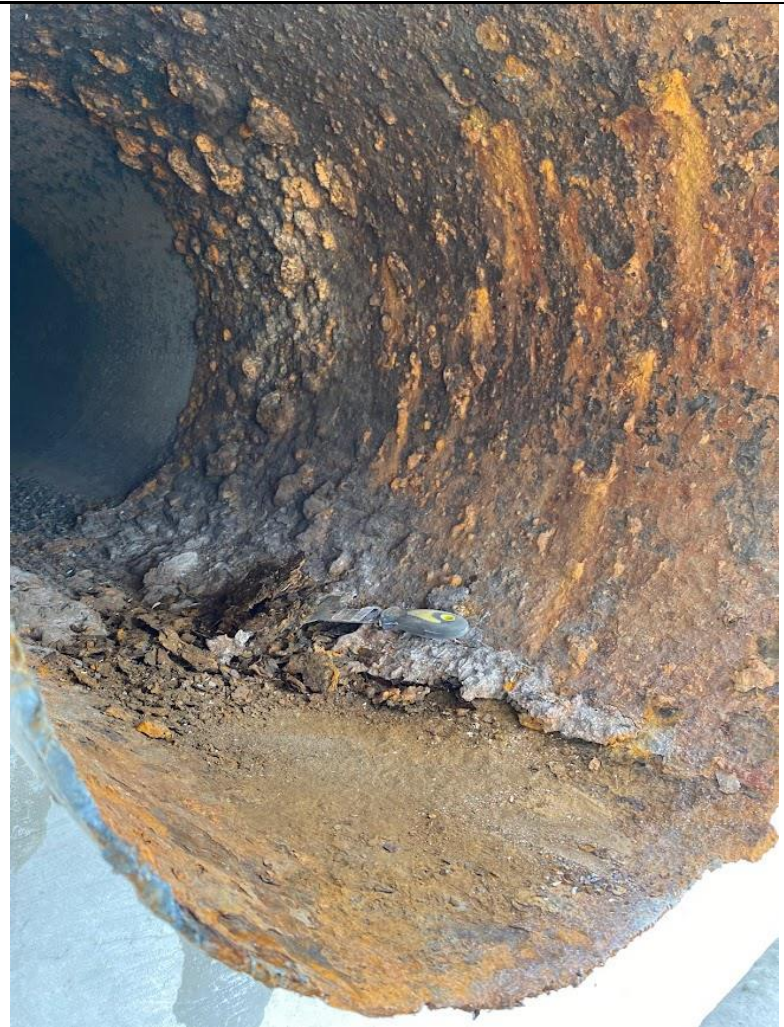
39. Product for Clarifier No. 2 Outer Perimeter Cove Application (2021-11-04)



40. Clarifier No. 2 – Outer Perimeter Cove Application (2021-11-04)



41. Clarifier No. 2 – Current Inlet / Future Outlet for DAF No. 1 Pipe Entering the Tank (2021-11-04)



42. Clarifier No. 2 – Current Inlet / Future Outlet for DAF No. 1 Pipe Entering the Tank (2021-11-04)



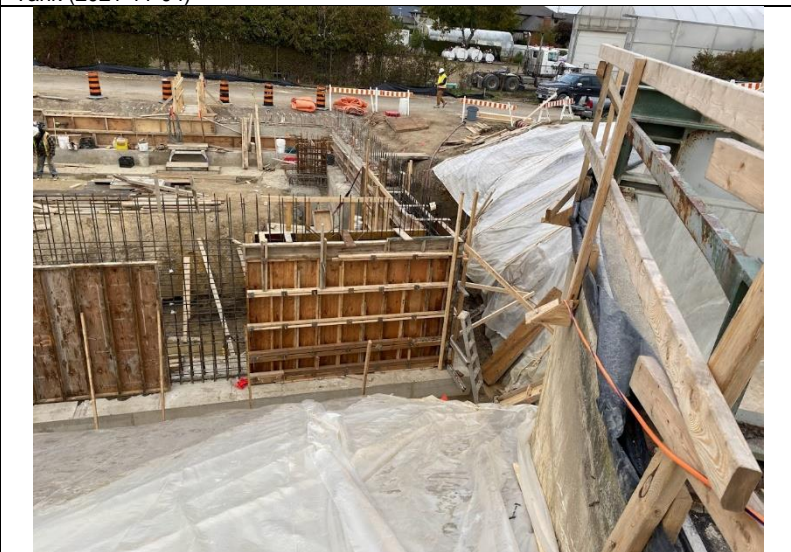
43. Clarifier No. 2 – Current Outlet / Future Inlet for DAF No. 1 Pipe Entering the Tank (2021-11-04)



44. Clarifier No. 2 – Current Outlet / Future Inlet for DAF No. 1 Pipe Entering the Tank (2021-11-04)



45. Clarifier No. 2 (2021-11-04)



46. Auxiliary Building – Southeast Corner (2021-11-04)



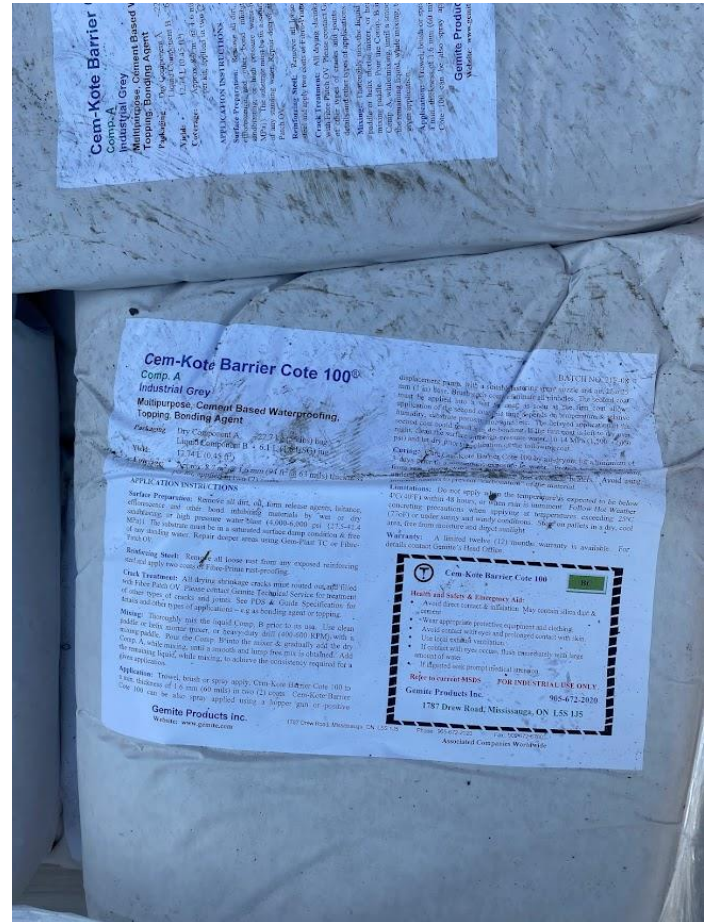
47. Auxiliary Building – Concrete Pour for Below Grade South and Southeast Wall (2021-11-05)



48. Auxiliary Building – Concrete Pour for Below Grade South and Southeast Wall (2021-11-05)



49. Auxiliary Building – Concrete Pour for Below Grade South and Southeast Wall (2021-11-05)



50. Clarifier No. 2 – Waterproofing Product Component A (2021-11-05)



51. Clarifier No. 2 – Waterproofing Product Component B (2021-11-05)



52. Clarifier No. 2 – Gem-Plast TC Application Progress (2021-11-05)

UW/37/21

To: Chair and Members of the Union Water Supply
System Joint Board of Management

From: Rodney Bouchard, Union Water Manager

Date: November 10, 2021

Re: Payments for the UWSS for September to October 2021



Aim:

To provide the Board with a copy of payments made by the Union Water Supply System for September to October 2021.

Recommendation:

For information purposes.

Respectfully submitted,

Rodney Bouchard, Manager
Union Water Supply System Joint Board of Management

/kmj

Filename: t:\union wtr\reports to board\2021\uw37-21 payments september-october 2021.docx

Municipality Of Leamington
Council/Board Report By Dept-(Computer)



AP5130 Page : 1
Date : Oct 19, 2021 Time : 1:47 pm
Page 30 of 38

Vendor : 0011450 To STMP000008
Batch : All
Department : 0700 To 0700

Cheque Print Date : 24-Sep-2021 To 18-Oct-2021
Bank : 07 To 08
Class : All

Vendor Invoice	Vendor Name Description				Batch Invc Date	Inv Due Date	Amount
G.L. Account	CC1	CC2	CC3	GL Account Name			
DEPARTMENT 0700 Union Water System							
030443 Continental Carbon Group Inc							
INV-11480	FILTER #2 & #4 REHAB				479 11-Jun-2021	30-Sep-2021	
70-7-0700-8730	700012			Filters			104,479.81
70-7-0700-8730	700014			Filters			104,479.81
050003 E.L.K. Energy Inc							
40010915-01 -	8-1,781.24KWH - ESSEX WATER TOWER				479 27-Sep-2021	30-Sep-2021	
70-5-0700-7420	002073			Electricity			316.63
70-5-0700-7420	002073			Electricity			-52.96
40047150-03 -	8-459.34KWH - METER#9				479 27-Sep-2021	30-Sep-2021	
70-5-0700-7420	002073			Electricity			-16.20
70-5-0700-7420	002073			Electricity			96.86
51976611-00 -	8-1,513.54KWH - KINGSVILLE WATER TOWER				479 23-Sep-2021	30-Sep-2021	
70-5-0700-7420	002073			Electricity			-37.44
70-5-0700-7420	002073			Electricity			223.85
90006300-01 -	8-35,802KWH - COTTAM BOOSTER STATION				479 23-Sep-2021	30-Sep-2021	
70-5-0700-7420	002073			Electricity			5,205.69
997965 Eaton Industries (Canada) Company							
02727858	HIGH LIFT PUMPS - 3, 8 & 9				479 02-Sep-2021	30-Sep-2021	
70-7-0700-8740	700051			Pumps			5,045.45
997507 JDC.ca Inc.							
20681CW	NETWORK SUPPORT				479 30-Aug-2021	30-Sep-2021	
70-5-0700-7290	002070			Telecommunication Maintenance & Support			1,928.46
21196CW	NETWORK SUPPORT				479 30-Aug-2021	30-Sep-2021	
70-5-0700-7290	002070			Telecommunication Maintenance & Support			113.00
WISP-21605	OCT/21 INTERNET				479 30-Sep-2021	30-Sep-2021	
70-5-0700-7110	002070			Telecommunications Usage			129.95
180057 Ray Bower Appraisal Services Inc							
D082110	APPRAISAL OF 1529 UNION AVE				503 12-Aug-2021	08-Oct-2021	
70-5-0700-7950	002070			Professional Services			4,573.84
Department Totals :							226,486.75

Vendor Code	Vendor Name				Batch	Invc Date	Invc Due Date	Amount
Invoice No.	Description							
G.L. Account	CC1	CC2	CC3	GL Account Name				
DEPARTMENT 0700	Union Water System							
030004	C3 Water Inc							
202108-467	WUC REDUNDANCY STUDY				491	31-Aug-2021	01-Oct-2021	
70-5-0700-7989	002075		Operational Programs & Studies					2,670.81
030405	Collabria							
STAPLES - 231`	DAF PHASE 1 DRAWINGS				495	04-Oct-2021	04-Oct-2021	
70-7-0700-8745	700220		Treatment Plant					853.68
ZEHRs COFFE	ZEHRs KINGSVILLE COFFEE				B495	23-Aug-2021	06-Oct-2021	
70-5-0700-7052	002070		Meeting Expenses					36.08
ZOOM-INV1052	ZOOM SUBSCRIPTION				495	01-Sep-2021	01-Sep-2021	
70-5-0700-7270	002070		008002	Software Purchases				229.39
050099-UW	Enbridge Gas Inc							
910052835536-	8-156M3 - COTTAM BOOSTER STATION				491	15-Sep-2021	01-Oct-2021	
70-5-0700-7410	002073		Gas					84.94
910052835536C	CREDIT - COTTAM BOOSTER STATION				491	12-Aug-2021	01-Oct-2021	
70-5-0700-7410	002073		Gas					-44.11
050195	Essex Powerlines Corporation							
220651-AUG21	8-14.0KWH				518	21-Sep-2021	12-Oct-2021	
70-5-0700-7420	002073		Electricity					48.44
70-5-0700-7420	002073		Electricity					-8.10
220651-JUL21	7-15KWH				483	28-Sep-2021	28-Sep-2021	
70-5-0700-7420	002073		Electricity					48.35
70-5-0700-7420	002073		Electricity					-8.09
253800-AUG21	8-14.99KWH				518	21-Sep-2021	12-Oct-2021	
70-5-0700-7420	002073		Electricity					47.49
70-5-0700-7420	002073		Electricity					-7.94
253800-JUL21	7-13.99KWH				483	28-Sep-2021	28-Sep-2021	
70-5-0700-7420	002073		Electricity					47.35
70-5-0700-7420	002073		Electricity					-7.92
080250	Hydro One Networks Inc							
200141683726-	8-1KWH - METER#15				491	24-Sep-2021	01-Oct-2021	
70-5-0700-7420	002073		Electricity					-6.56
70-5-0700-7420	002073		Electricity					39.20
200208899066-	8-335KWH - METER#16				491	16-Sep-2021	01-Oct-2021	
70-5-0700-7420	002073		Electricity					-19.15
70-5-0700-7420	002073		Electricity					116.41
200220161473-	8-6KWH - METER#14				491	24-Sep-2021	01-Oct-2021	
70-5-0700-7420	002073		Electricity					-6.58
70-5-0700-7420	002073		Electricity					39.36
190185	SGS Canada Inc							
11451605	WATER QUALITY STUDIES CORROSION-UWSS				491	26-Sep-2021	01-Oct-2021	
70-5-0700-7961	002075		Water Quality/Corrosion Monitoring Prgm					1,062.20
11451606	WATER QUALITY STUDIES CORROSION-LEAMINGTON				491	26-Sep-2021	01-Oct-2021	
70-5-0700-7961	002075		Water Quality/Corrosion Monitoring Prgm					314.14
11451613	WATER QUALITY STUDIES CORROSION-ESSEX				491	26-Sep-2021	01-Oct-2021	
70-5-0700-7961	002075		Water Quality/Corrosion Monitoring Prgm					98.31
11451621	WATER QUALITY STUDIES CORROSION-KINGSVILLE				491	26-Sep-2021	01-Oct-2021	
70-5-0700-7961	002075		Water Quality/Corrosion Monitoring Prgm					98.31
11451622	WATER QUALITY STUDIES CORROSION-LAKESHORE				491	26-Sep-2021	01-Oct-2021	
70-5-0700-7961	002075		Water Quality/Corrosion Monitoring Prgm					98.31
190755	Sun Life Assurance Company Of Canada							



Vendor : 0011450 To STMP000008
Batch : All
Department : 0700 To 0700

EFT Paid Date : 24-Sep-2021 To 18-Oct-2021
Bank : 07 To 08
Class : All

Vendor Code	Vendor Name								
Invoice No.	Description					Batch	Inv Date	Inv Due Date	
G.L. Account	CC1	CC2	CC3	GL Account Name					Amount
DEPARTMENT 0700	Union Water System								
OCT-21	OCT-21 UNION WATER LOAN 3724:1				491	01-Oct-2021	01-Oct-2021		
70-5-0700-6000		002020	006901	Debenture Principal					105,269.92
70-5-0700-6100		002010	006901	Debenture Interest					84,360.27
210124	Union Water Supply System - Petty Cash								
OCT-21	COFFEE, FILTERS				493	01-Oct-2021	01-Oct-2021		
70-5-0700-7052		002070		Meeting Expenses					10.72
70-5-0700-7052		002070		Meeting Expenses					33.99
70-5-0700-7052		002070		Meeting Expenses					26.97
70-5-0700-7052		002070		Meeting Expenses					27.87
230440	Willis Business Law								
17064	RESTRUCTURING - LEGAL FEES				491	31-Aug-2021	01-Oct-2021		
70-5-0700-7950		002070		Professional Services					7,126.80
17065	LEGAL FEES - PROPERTY PURCHASE				491	31-Aug-2021	01-Oct-2021		
70-5-0700-7950		002070		Professional Services					6,019.40
Department Totals :									208,700.26

Total Unpaid for Approval :	0.00
Total Manually Paid for Approval :	0.00
Total Computer Paid for Approval :	226,486.75
Total EFT Paid for Approval :	208,700.26
Grand Total ITEMS for Approval :	435,187.01

Class : All

Vendor Code	Vendor Name								
Invoice No.	Description					Batch	Inv Date	Inv Due Date	
G.L. Account	CC1	CC2	CC3	GL Account Name					Amount
DEPARTMENT 0700	Union Water System								
010103	Associated Engineering (Ont) Ltd								
529956	DAF PHASE 1					504	22-Sep-2021	14-Oct-2021	
70-7-0700-8745	700220				Treatment Plant				21,760.98
529957	WTP CAPACITY ASSESSMENT					504	22-Sep-2021	14-Oct-2021	
70-5-0700-7989	002075				Operational Programs & Studies				25,837.45
080250	Hydro One Networks Inc								
200141677460-1	9-608,652KWH - WTP					504	08-Oct-2021	13-Oct-2021	
70-5-0700-7420	002073				Electricity				88,128.76
200141680692-1	9-326,170KWH - LOW LIFT					504	08-Oct-2021	13-Oct-2021	
70-5-0700-7420	002073				Electricity				54,263.44
70-5-0700-7420	002073				Electricity				-14.59
200141680706-1	METER #2					504	28-Sep-2021	15-Oct-2021	
70-5-0700-7420	002073				Electricity				36.21
200141680894-1	LEAMINGTON WATER TOWER					504	30-Sep-2021	15-Oct-2021	
70-5-0700-7420	002073				Electricity				376.21
200141682009-1	ALBUNA WATER TOWER					504	01-Oct-2021	15-Oct-2021	
70-5-0700-7420	002073				Electricity				301.45
200141683019-1	METER #3					504	30-Sep-2021	15-Oct-2021	
70-5-0700-7420	002073				Electricity				32.68
200141683120-1	METER #5					504	01-Oct-2021	15-Oct-2021	
70-5-0700-7420	002073				Electricity				33.06
200141683423-1	METER #6					504	30-Sep-2021	15-Oct-2021	
70-5-0700-7420	002073				Electricity				32.86
200141683524-1	METER #8					504	28-Sep-2021	15-Oct-2021	
70-5-0700-7420	002073				Electricity				33.21
200141687362-1	METER #22					504	28-Sep-2021	15-Oct-2021	
70-5-0700-7420	002073				Electricity				32.63
200141687766-1	METER #29					504	28-Sep-2021	15-Oct-2021	
70-5-0700-7420	002073				Electricity				33.57
200141687867-1	METER #24					504	28-Sep-2021	15-Oct-2021	
70-5-0700-7420	002073				Electricity				32.62
200152134969-1	9-21KWH - METER #17					504	08-Oct-2021	13-Oct-2021	
70-5-0700-7420	002073				Electricity				43.80
70-5-0700-7420	002073				Electricity				-7.32
100048	Jacques Daoust Coatings Management Inc								
PC#8 3596	PMT #8 KWT - REHABILITATION					504	24-Sep-2021	15-Oct-2021	
70-7-0700-8710					Kingsville Water Tower				70,383.56
70-7-0700-8710					Kingsville Water Tower				8,016.34
70-7-0700-8710					Kingsville Water Tower				1,763.60
150365	Ontario Clean Water Agency								
INV0000001489	SEP/21 OPER & MTCE					504	30-Sep-2021	15-Oct-2021	
70-5-0700-6720	002071				OCWA Operating Contract				279,050.71
INV0000001519	SEP/21 KWT - ENGINEERING SERVICES					504	29-Sep-2021	13-Oct-2021	
70-7-0700-8710					Kingsville Water Tower				8,859.55
230440	Willis Business Law								
18002	LEGAL FEES-PROPERTY PURCH-DILLON INV242589					504	28-Sep-2021	15-Oct-2021	
70-5-0700-7950	002070				Professional Services				27,120.00
Department Totals :									586,150.78

Total Unpaid for Approval :	0.00
Total Manually Paid for Approval :	0.00
Total Computer Paid for Approval :	0.00
Total EFT Paid for Approval :	586,150.78
Grand Total ITEMS for Approval :	586,150.78



Vendor : 001150 To STMP000008

Batch : All

Department : 0700 To 0700

Cheque Print Date : 23-Oct-2021 **To** 08-Nov-2021

Bank : 07 To 08

Class : All

[illegible]



Vendor : 001150 To STMP000008

Batch : All

Department : 0700 To 0700

EFT Paid Date : 23-Oct-2021

To 08-Nov-2021

Bank : 07 To 08

Class : All

Vendor Code	Vendor Name				Batch	Inv Date	Inv Due Date	Amount
Invoice No.	Description							
G.L. Account	CC1	CC2	CC3	GL Account Name				
DEPARTMENT 0700	Union Water System							
010103	Associated Engineering (Ont) Ltd							
530090	SCADA - PROCESS NARRATIVE				527	15-Oct-2021	27-Oct-2021	
70-7-0700-8780	SCADA System							1,540.53
530094	DAF PHASE 1				527	15-Oct-2021	27-Oct-2021	
70-7-0700-8745	700200 Treatment Plant							33,509.59
050099-UW	Enbridge Gas Inc							
910052835536-1	COTTAM BOOSTER STATION				527	14-Oct-2021	26-Oct-2021	
70-5-0700-7410	002073 Gas							82.18
080250	Hydro One Networks Inc							
200208899066-1	METER #16				527	15-Oct-2021	26-Oct-2021	
70-5-0700-7420	002073 Electricity							81.78
150365	Ontario Clean Water Agency							
INV00000001286	JUNE/21 KINGSVILLE WATER TOWER ENGINEERING				527	29-Jun-2021	26-Oct-2021	
70-7-0700-8710	Kingsville Water Tower							3,466.28
160530	Pricewaterhouse Coopers LLP							
TR141180323	RESTRUCTURING CONSULTANT FINANCIAL				527	22-Oct-2021	27-Oct-2021	
70-5-0700-7950	002070 Professional Services							8,264.82
190751	Summa Engineering Limited							
0000115936	SCADA MAINTENANCE				527	26-Oct-2021	27-Oct-2021	
70-5-0700-7240	002070 Tech Hardware Maintenance & Support							3,801.04
0000115937	SCADA MAINTENANCE				527	26-Oct-2021	27-Oct-2021	
70-5-0700-7240	002070 Tech Hardware Maintenance & Support							730.55
190755	Sun Life Assurance Company Of Canada							
NOV-21	NOV-21 UNION WATER LOAN 3724:1				545	01-Nov-2021	03-Nov-2021	
70-5-0700-6000	002020 006901 Debenture Principal							58,787.52
70-5-0700-6100	002010 006901 Debenture Interest							83,435.12
230440	Willis Business Law							
109	LEGAL FEES - RESTRUCTURING				527	01-Oct-2021	27-Oct-2021	
70-5-0700-7950	002070 Professional Services							6,248.34
Department Totals :								199,947.75

Total Unpaid for Approval : 0.00

Total Manually Paid for Approval : 0.00

Total Computer Paid for Approval : 117.90

Total EFT Paid for Approval : 199,947.75

Grand Total ITEMS for Approval : 200,065.65