

	Page
1. <b>CALL TO ORDER</b>	
2. <b>ADOPTION OF AGENDA</b>	
3. <b>DISCLOSURE OF PECUNIARY INTEREST</b>	
4. <b>APPROVAL OF MINUTES</b>	
4.1. Minutes of the September 13, 2023 Regular Council Meeting <a href="#">Regular Council - 13 Sep 2023 - Minutes - Pdf</a>	4 - 9
4.2. Minutes of the September 15, 2023 Special Council Meeting <a href="#">Special Council - 15 Sep 2023 - Minutes - Pdf</a>	10 - 11
5. <b>DEPUTATIONS/PRESENTATIONS</b>	
6. <b>UNFINISHED BUSINESS</b>	
6.1. Public Works Equipment List & Details	
6.2. Tree Canopy	
6.3. Derelict Properties	
6.4. Fee Schedule - Credit Cards	
6.5. OCWA - contract is being reviewed	
6.6. Welcome Package for new property owners	
6.7. Fire Department - training matrix - September	
6.8. Fire Department - training roll-out - October	
7. <b>VARIANCE REPORT</b>	
8. <b>APPROVAL OF ACCOUNTS</b>	
8.1. Schedule of Accounts <a href="#">Schedule of Accounts 15-2023</a>	12 - 21
9. <b>STAFF REPORTS</b>	
9.1. Treasurer's report on Building Inspections <a href="#">TRE-2023-41 WSIB Health Safety Excellence Program Bld Inspections List of Projects RE WSIB Program TREA-2023-41 attachment</a>	22 - 28
9.2. Public Works Department report on Mill Point Park <a href="#">PW Report - 09-27-23</a>	29

9.3.	Public Works Report on paving quotations (report will be sent out Tuesday)	
9.4.	Request from the Deseronto Public Library <a href="#">Library Request</a> <a href="#">Eaves</a> <a href="#">Eaves-2</a> <a href="#">tree</a> <a href="#">tree-2</a> <a href="#">tree-3</a> <a href="#">Estimate 1005 from Caith Contracting</a>	30 - 36
9.5.	Building Inspection Services Board report for August 2023 <a href="#">BISB Aug. 2023</a>	37 - 40
10.	<b>COMMITTEE/BOARD MEETING MINUTES</b>	
11.	<b>ACTION ITEMS</b>	
11.1.	Quinte Conservation <a href="#">Quinte Conservation</a> <a href="#">PRECON Section36Notice2023</a> <a href="#">S36 AssessmentReport Summary</a> <a href="#">S36 SourceProtectionPlan Summary</a>	41 - 48
11.2.	MMAH re: housing <a href="#">234-2023-4597 RSNM TF Recommendations HOC Letter</a> <a href="#">ENG 2023SEP15 - SIGNED</a> <a href="#">234-2023-4597 RSNM - Attachment - Task Force Recommendations</a> <a href="#">Ranking Chart</a>	49 - 51
12.	<b>INFORMATION ITEMS</b>	
12.1.	2023-2024 Drinking Water Inspection Report <a href="#">Event Number 1-204203041 Deseronto DWS Inspection Report</a>	52 - 139
13.	<b>NEW BUSINESS</b>	
14.	<b>NOTICES OF MOTION</b>	
15.	<b>BY-LAWS</b>	
15.1.	By-law _ to ...	
16.	<b>ANNOUNCEMENTS</b>	
17.	<b>CLOSED SESSION</b>	
17.1.	Closed Session Items Under Section 239 b) 1 under Personal matters about an identifiable person f) 1 under Advice subject to solicitor-client privilege	
18.	<b>INSTRUCTION TO STAFF</b>	
19.	<b>BY-LAW TO CONFIRM THE PROCEEDINGS OF COUNCIL</b>	

- 19.1. By-law XX-2023 to confirm the proceedings of Council for September 27, 2023  
[XX-2023 Confirming by-law 09-27-23](#)

140

20. **ADJOURNMENT**



**MINUTES**  
**Regular Council**  
**Deseronto Town Hall**  
**Wednesday, September 13, 2023**  
**6:30 PM**

**PRESENT:** Mayor Dan Johnston, Deputy Mayor Steven Everhardus, Councillor Norman Clark, and Councillor Kevin Smith

**REGRETS:** Councillor Jamie Zieman

**STAFF PRESENT:** Clerk Gail Maracle and Treasurer Mora Nicholls

**1. CALL TO ORDER**

Mayor Johnston called the September 13, 2023 Regular meeting of Council to order at 6:34 pm.

**2. ADOPTION OF AGENDA**

**Resolution 25-23-01**

Moved by Deputy Mayor Steven Everhardus  
Seconded by Councillor Kevin Smith

THAT the agenda for the September 13, 2023 Regular Council meeting be accepted with the addition of the following items:

- 11.3 Drainage issue at 106 Second Street
- 11.4 Arena - room rentals
  - Canteen counter renovation
- 11.5 E-waste collection
- Closed - legal issue

**Carried**

**3. DISCLOSURE OF PECUNIARY INTEREST**

None noted

**4. APPROVAL OF MINUTES**

- 4.1. Minutes of the August 9, 2023 Regular Council Meeting

**Resolution 25-23-02**

Moved by Councillor Norman Clark  
Seconded by Councillor Kevin Smith

THAT the minutes of the August 9, 2023 Regular meeting of Council be approved as presented.

**Carried**

**5. DEPUTATIONS/PRESENTATIONS**

**6. UNFINISHED BUSINESS**

**7. VARIANCE REPORT**

**8. APPROVAL OF ACCOUNTS**

- 8.1. Schedule of Accounts

**Resolution 25-23-03**

Moved by Councillor Norman Clark  
Seconded by Councillor Kevin Smith

THAT Schedule of Accounts numbered 14-2023 in the amount of \$414,309.66 be approved for payment.

**Carried**

**9. STAFF REPORTS**

9.1. Staff report regarding OCIF

**Resolution 25-23-04**

Moved by Councillor Kevin Smith

Seconded by Deputy Mayor Steven Everhardus

THAT staff get quotations to re-pave Thomas Street from St. George Street to Brant or Pearl Street.

**Carried**

9.2. Public Works reports regarding Trees

**Resolution 25-23-05**

Moved by Deputy Mayor Steven Everhardus

Seconded by Councillor Norman Clark

THAT Council adopt the Tree Canopy policy as presented by the Public Works Department,  
AND FURTHER THAT staff refine the Acceptable Tree Species list to remove such trees as the beech and black walnut and bring back to the next meeting of Council

**Carried**

**Resolution 25-23-06**

Moved by Deputy Mayor Steven Everhardus

Seconded by Councillor Kevin Smith

THAT staff cut down the trees as listed on page 1 of the staff report,  
FURTHER THAT the tree work listed on page 2 be deferred to the 2024 budget process,  
FURTHER THAT staff find funding in the Parks budget to purchase new trees to replace those cut down on St George Street and in Centennial Park,  
AND FURTHER THAT any surplus in the Parks budget at year end be put into a reserve for future tree planting

**Carried**

**Resolution 25-23-07**

Moved by Deputy Mayor Steven Everhardus

Seconded by Councillor Norman Clark

THAT staff compile a list of three tree cutting companies that would be available to cut or trim trees within the Town.

**Carried**

9.3. Public Works report regarding Mill Point Park

**Resolution 25-23-08**

**Resolution 25-23-09**

Moved by Deputy Mayor Steven Everhardus

Seconded by Councillor Norman Clark

THAT Council direct staff to use the bottom example of the Mill Point Park sign, but ghost out the water plant.

**Carried**

9.4. Fire Department Org Chart

**Resolution 25-23-11**

Moved by Deputy Mayor Steven Everhardus  
Seconded by Councillor Kevin Smith

THAT the Fire Department Organizational Chart be received by Council

**Carried**

9.5. Fire Department regarding driver's licence re-imbusement

**Resolution 25-23-12**

Moved by Deputy Mayor Steven Everhardus  
Seconded by Councillor Kevin Smith

THAT the topic of re-imbusement for driver's licenses be deferred until the Human Resources policy has been rewritten.

**Carried**

9.6. Fire Department regarding trainees responding to calls

**Resolution 25-23-13**

Moved by Deputy Mayor Steven Everhardus  
Seconded by Councillor Norman Clark

THAT Council agrees in principle with probationary firefighters being able to respond to fire calls sooner

AND FURTHER THAT prior to any changes in procedures, the Fire Department will have to write new policies that will have to be approved by Council.

**Carried**

**Resolution 25-23-14**

Moved by Deputy Mayor Steven Everhardus  
Seconded by Councillor Kevin Smith

THAT effective October 1, 2023, all new firefighter trainees will be paid the probationary rate of pay for one full year, prior to moving up to the firefighter rate of pay.

**Carried**

9.7. Fire Department regarding incentives

**Resolution 25-23-15**

Moved by Deputy Mayor Steven Everhardus  
Seconded by Councillor Norman Clark

THAT the Fire Department incentive program be deferred to the 2024 budget process.

**Carried**

9.8. Deseronto Transit Routes

Staff were directed to work with the Town of Greater Napanee to plan a relaunch of the program and also inquire if Napanee is able to assist with drivers

9.9. BISB Report - July 2023

9.10. BESB - August 2023

**Resolution 25-23-16**

Moved by Deputy Mayor Steven Everhardus  
Seconded by Councillor Kevin Smith

THAT the July 2023 Building Inspection Services Board report and the August 2023 By-Law Enforcement Services Board report be received by Council.

**Carried**

**10. COMMITTEE/BOARD MEETING MINUTES**

**11. ACTION ITEMS**

11.1. Royal Canadian Legion request

**Resolution 25-23-17**

Moved by Councillor Kevin Smith

Seconded by Deputy Mayor Steven Everhardus

THAT Council grant the Royal Canadian Legion permission to close Main Street at 10:30 am Sunday morning for a parade,  
AND FURTHER THAT the Public Works Department provide the barricades necessary to close the road

**Carried**

11.2. Notice of Complete Application - 14 Main Street

**Resolution 25-23-18**

Moved by Deputy Mayor Steven Everhardus

Seconded by Councillor Kevin Smith

THAT Council receive the Notice of Complete Application regarding 14 Main Street

**Carried**

11.3. Drainage at 106 Second Street

**Resolution 25-23-19**

Moved by Deputy Mayor Steven Everhardus

Seconded by Councillor Kevin Smith

THAT Council authorize the Public Works Department to move forward with the road enhancements, to alleviate the drainage issues at 106 Second Street, as outlined in the letter from Greer Galloway.

**Carried**

11.4. Deseronto Community Centre - Canteen

**Resolution 25-23-20**

Moved by Deputy Mayor Steven Everhardus

Seconded by Councillor Kevin Smith

THAT Council authorize Morden Engineering to go ahead with the alterations to the Community Centre canteen counter at a cost of \$6,200.00 plus HST

**Carried**

**Resolution 25-23-21**

Moved by Deputy Mayor Steven Everhardus

Seconded by Councillor Norman Clark

THAT the monthly rental fees for the Community Centre canteen and skate sharpening room be increased by 10% for the 2023-2024 season.

**Carried**

11.5. E-waste recycling opportunity

**Resolution 25-23-22**

Moved by Councillor Kevin Smith

Seconded by Deputy Mayor Steven Everhardus

THAT staff move forward with the e-waste recycling event with a larger media blitz.

**Carried**

**12. INFORMATION ITEMS**

- 12.1. Hastings County media release
- 12.2. Eastern Ontario Warden's Caucus news release
- 12.3. Letter to Minister of Health
- 12.4. Building Faster Fund

**Resolution 25-23-23**

Moved by Councillor Norman Clark  
Seconded by Councillor Kevin Smith

THAT items 12.1 through to 12.4 be received by Council.

**Carried**

**13. NEW BUSINESS**

**14. NOTICES OF MOTION**

**15. BY-LAWS**

- 15.1. By-law 42-2023 to enter into a contract with St. Catherines for Fire Department dispatching

**Resolution 25-23-24**

Moved by Deputy Mayor Steven Everhardus  
Seconded by Councillor Norman Clark

THAT By-law 42-2023, being a by-law to enter into a contract with St. Catherines for Fire Department dispatching, having been read a first, second and third time and number assigned, be finally passed this 13th day of September 2023.

**Carried**

**16. ANNOUNCEMENTS**

Deputy Mayor Everhardus advised that he and the Clerk had met with 4 senior members of the L & A OPP to discuss the Town's concerns.

**17. CLOSED SESSION**

- 17.1. Closed Session Items Under Section 239
  - b) 3 under Personal matters about an identifiable person
  - f) 2 under Advice subject to solicitor-client privilege

**Resolution 25-23-25**

Moved by Deputy Mayor Steven Everhardus  
Seconded by Councillor Norman Clark

THAT Council rise at 7:45 pm, under Section 239 of the Municipal Act and move into Closed Session to discuss 5 matters; 3 under 2(b) personal matters about an identifiable individual, including municipal or local board employees, and 2 under 2(f) advice that is subject to solicitor-client privilege, including communications necessary for that purpose.

**Carried**

**18. INSTRUCTION TO STAFF**



**Resolution 25-23-26**

Moved by Deputy Mayor Steven Everhardus  
Seconded by Councillor Norman Clark

THAT staff follow the direction of Council as discussed in Closed Session.

**Carried**

**19. BY-LAW TO CONFIRM THE PROCEEDINGS OF COUNCIL**

19.1. By-law 42-2023 to confirm the proceedings of Council for  
September 13, 2023

**Resolution 25-23-27**

Moved by Deputy Mayor Steven Everhardus  
Seconded by Councillor Norman Clark

THAT By-law 42-2023, being a by-law to confirm the proceedings of the  
September 13, 2023 Council meeting, having been read a first, second and third  
time, be assigned a number and finally passed this 13th day of September 2023.

**Carried**

**20. ADJOURNMENT**

**Resolution 25-23-28**

Moved by Councillor Kevin Smith

THAT the September 13, 2023 Regular Council meeting be adjourned.

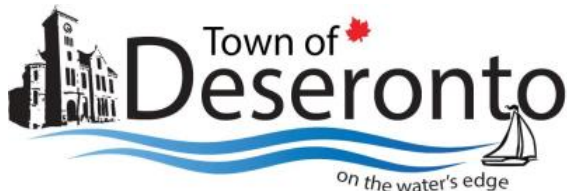
**Carried**

---

Mayor

---

Clerk



**MINUTES**  
**Regular Council**  
**Deseronto Town Hall**  
**Friday, September 15, 2023**  
**10:00 AM**

**PRESENT:** Councillor Norman Clark, Councillor Kevin Smith, and Councillor Jamie Zieman

**REGRETS:** Mayor Dan Johnston and Deputy Mayor Steven Everhardus

**STAFF**

**PRESENT:**

**1. CALL TO ORDER**

Councillor Clark called the meeting to order at 10:00 am.

**2. APPOINTMENT OF MINUTE TAKER**

2.1. Appointment of minute taker

**Resolution 26-23-01**

Moved by Councillor Kevin Smith

Seconded by Councillor Jamie Zieman

THAT Council appoint Joe de Mora from Palmer & Associates to take the minutes of the meetings

**Carried**

**3. ADOPTION OF AGENDA**

**Resolution 26-23-02**

Moved by Councillor Kevin Smith

Seconded by Councillor Jamie Zieman

THAT the agenda for the September 15, 2023 Regular Council meeting be accepted.

**Carried**

**4. DISCLOSURE OF PECUNIARY INTEREST**

None noted

**5. CLOSED SESSION**

5.1. Closed Session Items Under Section 239

d) 1 under labour relations or employee negotiations

f) 1 under Advice subject to solicitor-client privilege

**Resolution 26-23-03**

Moved by Councillor Jamie Zieman

Seconded by Councillor Kevin Smith

THAT Council rise at 10:05 am, under Section 239 of the Municipal Act and move into Closed Session to discuss 2 matters; 1 under 2(d) labour relations or employee negotiations, and 1 under 2(f) advice that is subject to solicitor-client privilege, including communications necessary for that purpose.

**Carried**

**6. INSTRUCTION TO STAFF**

**Resolution 26-23-04**

Moved by Councillor Jamie Zieman

Seconded by Councillor Kevin Smith

THAT staff follow the direction of Council as discussed in Closed Session.

**Carried**

**7. BY-LAW TO CONFIRM THE PROCEEDINGS OF COUNCIL**

7.1. By-law 43-2023 to confirm the proceedings of Council for September 20, 2023.

**Resolution 26-23-05**

Moved by Councillor Jamie Zieman  
Seconded by Councillor Kevin Smith

THAT By-law 43-2023, being a by-law to confirm the proceedings of the September 15, 2023 Special Council meeting, having been read a first, second and third time, be assigned a number and finally passed this 15th day of September 2023.

**Carried**

**8. ADJOURNMENT**

**Resolution 26-23-06**

Moved by Councillor Jamie Zieman

THAT the September 15, 2023 Regular Council meeting be adjourned.

**Carried**

---

Mayor

---

Clerk



2023-09-27

**Corporation of the  
TOWN OF DESERONTO**

Schedule of Accounts No. **15-2023**

Moved by: \_\_\_\_\_

Seconded by \_\_\_\_\_

"That Schedule of Accounts Numbered **15-2023**  
be approved in the amount of \$ 483,448.63

Carried.

**BREAKDOWN OF SCHEDULE OF ACCOUNTS**

**ACCOUNTS PAYABLES**  
*See Attached List*

	<u>BATCH</u>		<u>AMOUNT</u>
	2023-00108	\$	309,571.98
	2023-00111	\$	173,876.65

TOTAL SCHEDULE OF ACCOUNTS NO. **15-2023** Total \$ 483,448.63

Report Date  
2023-09-14 2:42 PM

Town of Deseronto  
**List of Accounts for Approval**  
As of 2023-09-14  
Batch: 2023-00108

Page 1

Payment # Invoice #	Date	Vendor Name GL Account	Reference GL Transaction Description	Detail Amount	Payment Amount
<b>Bank Code: GEN - General</b>					
Computer Cheques:					
<b>3309</b>	<b>2023-09-14</b>	<b>Bell Mobility</b>	<b>Sept billing</b>		
Sept2023		10-10-12-43150 - Admin - Telephc	Sept billing	76.65	
		15-40-41-43150 - W & S - Telephc	Sept billing	71.23	
		10-30-31-43150 - Roads - Telephc	Sept billing	107.86	
		10-80-83-43150 - Arena -Telephor	Sept billing	35.00	
		10-95-95-43150 - Transit- -Teleph	Sept billing	70.03	
		10-00-00-12103 - Federal Rebate	HST Tax Code	12.57	
		10-00-00-12104 - Provincial Reba	HST Tax Code	15.69	
		10-00-00-12101 - ITC Receivable	HST-ITC Tax Code	5.25	
		10-00-00-12101 - ITC Receivable	HST-ITC Tax Code	8.40	402.68
<b>3310</b>	<b>2023-09-14</b>	<b>Canadian Tire</b>	<b>15w40 oil x6</b>		
14998		10-30-31-43209 - Roads Materials	15w40 oil x6	604.33	
		10-00-00-12103 - Federal Rebate	HST Tax Code	29.69	
		10-00-00-12104 - Provincial Reba	HST Tax Code	37.06	671.08
<b>3311</b>	<b>2023-09-14</b>	<b>Cintas Canada Limited</b>	<b>Mat Rental x2 Arena</b>		
4167422398		10-80-83-43180 - Arena -Outside :	Mat Rental x2 Arena	58.22	
		10-00-00-12101 - ITC Receivable	HST-ITC Tax Code	2.91	
		10-00-00-12101 - ITC Receivable	HST-ITC Tax Code	4.66	65.79
<b>3312</b>	<b>2023-09-14</b>	<b>Enbridge Gas</b>	<b>Billing Per Aug4-Aug31</b>		
Aug23Transit		10-30-31-43430 - Roads - Heat	Billing Per Aug4-Aug31	17.75	
		10-95-95-43430 - Transit - Heat	Billing Per Aug4-Aug31	8.88	
		10-30-31-43430 - Roads - Heat	Billing Per Aug4-Aug31	0.41	
		10-95-95-43430 - Transit - Heat	Billing Per Aug4-Aug31	0.20	
		10-00-00-12103 - Federal Rebate	HST Tax Code	1.31	
		10-00-00-12104 - Provincial Reba	HST Tax Code	1.64	30.19
Aug23Townhall		10-10-12-43430 - Admin - Gas	Billing Per Jul5-Aug31	11.33	
		10-10-12-43430 - Admin - Gas	Billing Per Jul5-Aug31	0.74	
		10-00-00-12103 - Federal Rebate	HST Tax Code	0.56	
		10-00-00-12104 - Provincial Reba	HST Tax Code	0.69	13.32
Aug23Police		10-20-21-43430 - Fire - Heat	Billing Per Jul5-Aug31	15.05	
		10-00-00-12103 - Federal Rebate	HST Tax Code	0.74	
		10-00-00-12104 - Provincial Reba	HST Tax Code	0.92	16.71
Aug23Firehall		10-20-21-43430 - Fire - Heat	Billing Per Jul5-Aug31	23.36	
		10-20-21-43430 - Fire - Heat	Billing Per Jul5-Aug31	0.85	
		10-00-00-12103 - Federal Rebate	HST Tax Code	1.15	
		10-00-00-12104 - Provincial Reba	HST Tax Code	1.44	26.80
Aug23Sewage		15-40-41-50302 - Waterwater Hea	Billing Per Jul6-Aug31	7.15	
		10-00-00-12103 - Federal Rebate	HST Tax Code	0.35	
		10-00-00-12104 - Provincial Reba	HST Tax Code	0.44	7.94
Aug23OfficeRds		10-30-31-43430 - Roads - Heat	Billing Per Jul6-Aug31	12.17	

List of Accounts for Approval

As of 2023-09-14

Batch: 2023-00108

Report Date  
2023-09-14 2:42 PM

Payment # Invoice #	Date	Vendor Name GL Account	Reference GL Transaction Description	Detail Amount	Payment Amount
		10-30-31-43430 - Roads - Heat	Billing Per Jul6-Aug31	0.61	
		10-00-00-12103 - Federal Rebate	HST Tax Code	0.60	
		10-00-00-12104 - Provincial Reba	HST Tax Code	0.75	14.13
				Payment Total:	109.09
<b>3313</b>	<b>2023-09-14</b>	<b>HGC Management Inc.</b>	<b>Shredding Services for August</b>		
50025		10-10-12-43110 - Admin - Office S	Shredding Services for Au	300.19	
		10-00-00-12103 - Federal Rebate	HST Tax Code	14.75	
		10-00-00-12104 - Provincial Reba	HST Tax Code	18.41	333.35
<b>3314</b>	<b>2023-09-14</b>	<b>Voided by the print process</b>			
<b>3315</b>	<b>2023-09-14</b>	<b>Hydro One Networks Inc</b>	<b>Billing Period Aug1-Aug31</b>		
Sept23MBQ		15-40-41-43410 - Water - Hydro	Billing Period Aug1-Aug31	37.31	
		15-40-41-43410 - Water - Hydro	Billing Period Aug1-Aug31	4.28	
		10-00-00-12103 - Federal Rebate	HST Tax Code	1.83	
		10-00-00-12104 - Provincial Reba	HST Tax Code	2.29	37.15
Sept23NPW		10-30-31-43410 - Roads - Hydro	Billing Period Jul31-Aug3	179.91	
		10-30-31-43410 - Roads - Hydro	Billing Period Jul31-Aug3	20.69	
		10-00-00-12103 - Federal Rebate	HST Tax Code	8.84	
		10-00-00-12104 - Provincial Reba	HST Tax Code	11.03	179.09
Sept23Canteen		10-80-81-43410 - Parks - Hydro	Billing Period Aug1-Aug31	73.91	
		10-80-81-43410 - Parks - Hydro	Billing Period Aug1-Aug31	8.50	
		10-00-00-12103 - Federal Rebate	HST Tax Code	3.63	
		10-00-00-12104 - Provincial Reba	HST Tax Code	4.53	73.57
Aug23Streetlght		10-30-33-43410 - Street Lighting -	Billing Period Jul27-Aug2	1,823.63	
		10-30-33-43410 - Street Lighting -	Billing Period Jul27-Aug2	205.96	
		10-00-00-12103 - Federal Rebate	HST Tax Code	89.60	
		10-00-00-12104 - Provincial Reba	HST Tax Code	111.83	1,819.10
Sept23Edmon316		10-20-21-43410 - Fire - Hydro	Billing Period Aug1-Aug31	176.72	
		10-20-21-43410 - Fire - Hydro	Billing Period Aug1-Aug31	20.31	
		10-00-00-12103 - Federal Rebate	HST Tax Code	8.68	
		10-00-00-12104 - Provincial Reba	HST Tax Code	10.83	175.92
Sept23Townhall		10-10-12-43410 - Admin - Hydro	Billing Period Aug1-Aug31	306.22	
		10-10-12-43410 - Admin - Hydro	Billing Period Aug1-Aug31	35.21	
		10-00-00-12103 - Federal Rebate	HST Tax Code	15.05	
		10-00-00-12104 - Provincial Reba	HST Tax Code	18.77	304.83
Sept23Transit		10-30-31-43410 - Roads - Hydro	Billing Period Aug1-Aug31	66.89	
		10-95-95-43410 - Transit -Hydro	Billing Period Aug1-Aug31	33.44	
		10-30-31-43410 - Roads - Hydro	Billing Period Aug1-Aug31	7.69	
		10-95-95-43410 - Transit -Hydro	Billing Period Aug1-Aug31	3.85	
		10-00-00-12103 - Federal Rebate	HST Tax Code	4.93	
		10-00-00-12104 - Provincial Reba	HST Tax Code	6.15	99.87
Sept23Maple		15-40-41-43411 - Wastewater - H	Billing Period Aug5-Sep7	118.77	

List of Accounts for Approval

As of 2023-09-14

Batch: 2023-00108

Report Date  
2023-09-14 2:42 PM

Payment # Invoice #	Date	Vendor Name GL Account	Reference GL Transaction Description	Detail Amount	Payment Amount
		15-40-41-43411 - Wastewater - Hydro	Billing Period Aug5-Sep7	13.67-	
		10-00-00-12103 - Federal Rebate	HST Tax Code	5.84	
		10-00-00-12104 - Provincial Rebate	HST Tax Code	7.29	118.23
Sept23First		15-40-41-43411 - Wastewater - Hydro	Billing Period Aug4-Sep6	146.51	
		15-40-41-43411 - Wastewater - Hydro	Billing Period Aug4-Sep6	16.85-	
		10-00-00-12103 - Federal Rebate	HST Tax Code	7.20	
		10-00-00-12104 - Provincial Rebate	HST Tax Code	8.99	145.85
Sept23Fourth		15-40-41-43411 - Wastewater - Hydro	Billing Period Aug4-Sep6	50.18	
		15-40-41-43411 - Wastewater - Hydro	Billing Period Aug4-Sep6	5.77-	
		10-00-00-12103 - Federal Rebate	HST Tax Code	2.47	
		10-00-00-12104 - Provincial Rebate	HST Tax Code	3.07	49.95
Sept23WtrPnt		15-40-41-43410 - Water - Hydro	Billing Period Jul27-Aug2	5,762.97	
		10-00-00-12103 - Federal Rebate	HST Tax Code	283.16	
		10-00-00-12104 - Provincial Rebate	HST Tax Code	353.39	6,399.52
Sept23SwrPnt		15-40-41-43411 - Wastewater - Hydro	Billing Period Jul27-Aug2	5,597.44	
		10-00-00-12103 - Federal Rebate	HST Tax Code	275.03	
		10-00-00-12104 - Provincial Rebate	HST Tax Code	343.24	6,215.71
Sept23Edmon315		10-20-21-43410 - Fire - Hydro	Billing Period Aug1-Aug31	114.64	
		10-20-21-43410 - Fire - Hydro	Billing Period Aug1-Aug31	13.17-	
		10-00-00-12103 - Federal Rebate	HST Tax Code	5.63	
		10-00-00-12104 - Provincial Rebate	HST Tax Code	7.03	114.13
Sept23Storage		10-80-81-43410 - Parks - Hydro	Billing Period Aug1-Aug31	34.04	
		10-80-81-43410 - Parks - Hydro	Billing Period Aug1-Aug31	3.91-	
		10-00-00-12103 - Federal Rebate	HST Tax Code	1.67	
		10-00-00-12104 - Provincial Rebate	HST Tax Code	2.09	33.89
Sept23WtrTwr		15-40-41-43410 - Water - Hydro	Billing Period Aug1-Aug31	238.17	
		15-40-41-43410 - Water - Hydro	Billing Period Aug1-Aug31	27.37-	
		10-00-00-12103 - Federal Rebate	HST Tax Code	11.70	
		10-00-00-12104 - Provincial Rebate	HST Tax Code	14.60	237.10
				Payment Total:	16,003.91
3316	2023-09-14	<b>Kemira Water Solutions</b>	<b>PAX-XL6 Bulk 11,970.000KG</b>		
9019232057		15-40-41-43661 - Wastewater - Chlorine	PAX-XL6 Bulk 11,970.000KG	12,351.20	
		10-00-00-12103 - Federal Rebate	HST Tax Code	606.88	
		10-00-00-12104 - Provincial Rebate	HST Tax Code	757.39	13,715.47
3317	2023-09-14	<b>R. Morden Engineering</b>	<b>Management Payment #3 Aug</b>		
22-26-10		10-80-83-49100 - Arena -Capital Expenditure	Management Payment #3 Aug	154,612.41	
		10-00-00-12101 - ITC Receivable	HST-ITC Tax Code	7,730.62	
		10-00-00-12101 - ITC Receivable	HST-ITC Tax Code	12,368.99	174,712.02
3318	2023-09-14	<b>Ontario Clean Water Agency</b>	<b>Sep1-Sep31 WWTP,WTP fee</b>		
00000035236		15-40-41-44115 - Consulting	Sep1-Sep31 WWTP,WTP fee	41,744.00	41,744.00

Report Date  
2023-09-14 2:42 PM

Town of Deseronto  
**List of Accounts for Approval**  
As of 2023-09-14  
Batch: 2023-00108

Payment # Invoice #	Date	Vendor Name GL Account	Reference GL Transaction Description	Detail Amount	Payment Amount
00000034653		15-40-41-44115 - Consulting	WWTP,WTP over and above	1,400.00	1,400.00
				Payment Total:	43,144.00
<b>3319</b>	<b>2023-09-14</b>	<b>Quinte Sewer Service</b>	<b>Flusher Vaccum Sewage Plant</b>		
12328		15-40-41-43603 - Wastewater - Tr	Flusher Vaccum Sewage Pla	981.98	
		10-00-00-12103 - Federal Rebate	HST Tax Code	48.25	
		10-00-00-12104 - Provincial Reba'	HST Tax Code	60.22	1,090.45
<b>3320</b>	<b>2023-09-14</b>	<b>Receiver General</b>	<b>Aug tax deductions</b>		
Aug23		10-00-00-21530 - Employee Tax F	Aug tax deductions	27,240.15	27,240.15
<b>3321</b>	<b>2023-09-14</b>	<b>Reliance Home Comfort</b>	<b>Billing Period Aug2-Sep1</b>		
Aug2023		10-80-83-43650 - Fitness Centre E	Billing Period Aug2-Sep1	141.02	
		10-00-00-12101 - ITC Receivable	HST-ITC Tax Code	7.05	
		10-00-00-12101 - ITC Receivable	HST-ITC Tax Code	11.28	159.35
<b>3322</b>	<b>2023-09-14</b>	<b>Sands</b>	<b>Hand powered suction</b>		
00718875		10-20-21-43190 - Fire - Medical S	Hand powered suction	172.13	
		10-00-00-12103 - Federal Rebate	HST Tax Code	8.46	
		10-00-00-12104 - Provincial Reba'	HST Tax Code	10.55	191.14
<b>3323</b>	<b>2023-09-14</b>	<b>Telizon</b>	<b>Billing Period Sep 10-Oct9</b>		
06172320230910		15-40-41-43150 - W & S - Teleph	Billing Period Sep 10-Oct	461.18	
		10-00-00-12103 - Federal Rebate	HST Tax Code	22.66	
		10-00-00-12104 - Provincial Reba'	HST Tax Code	28.28	512.12
06857020230910		10-30-31-43150 - Roads - Teleph	Billing Period Sep10-Oct9	46.48	
		10-30-31-43151 - Roads - Internet	Billing Period Sep10-Oct9	61.01	
		10-00-00-12103 - Federal Rebate	HST Tax Code	5.28	
		10-00-00-12104 - Provincial Reba'	HST Tax Code	6.59	119.36
				Payment Total:	631.48
<b>3324</b>	<b>2023-09-14</b>	<b>Waste Connection of Canada In</b>	<b>Curbside PU Aug</b>		
7150-0000427726		10-40-43-44750 - Contract Service	Curbside PU Aug	5,517.09	
		10-40-43-44730 - Waste Contract	Curbside Pu Aug	8,904.43	
		10-00-00-12103 - Federal Rebate	HST Tax Code	708.60	
		10-00-00-12104 - Provincial Reba'	HST Tax Code	884.33	16,014.45
7150-0000428477		10-80-83-44400 - Arena -Waste C	Bin Pickup Aug	303.22	
		15-40-41-44400 - W & S - Waste	Bin Pickup Aug	363.02	
		10-30-31-44400 - Roads - Waste	Bin Pickup Aug	240.90	
		10-00-00-12103 - Federal Rebate	HST Tax Code	29.67	
		10-00-00-12104 - Provincial Reba'	HST Tax Code	37.04	
		10-00-00-12101 - ITC Receivable	HST-ITC Tax Code	15.16	
		10-00-00-12101 - ITC Receivable	HST-ITC Tax Code	24.26	1,013.27



Report Date  
2023-09-14 2:42 PM

Town of Deseronto  
**List of Accounts for Approval**  
As of 2023-09-14  
Batch: 2023-00108

Payment # Invoice #	Date	Vendor Name GL Account	Reference GL Transaction Description	Detail Amount	Payment Amount
				Payment Total:	17,027.72
Other:					
23-Man Aug/2023	2023-09-15	O.M.E.R.S 10-00-00-21536 - OMERS Payabl	Payroll Remittances Aug Payroll Remittances Aug	12,573.58	12,573.58
29-Man Sept/2023	2023-09-05	Foss National Leasing 10-30-31-43209 - Roads Materials 15-40-41-43201 - W & S - Gas & C 10-30-31-43209 - Roads Materials 15-40-41-43201 - W & S - Gas & C 10-00-00-12103 - Federal Rebate 10-00-00-12104 - Provincial Reba	Gas Charges Aug-Sept Gas Charges Aug-Sept Gas Charges Aug-Sept Gas Charges Aug-Sept HST Tax Code HST Tax Code	1,080.71 287.16 14.19- 4.05- 67.21 83.88	1,500.72
				Total for GEN:	309,571.98

Certified Correct This September 14, 2023

\_\_\_\_\_  
Mayor



\_\_\_\_\_  
Treasurer

**List of Accounts for Approval**

As of 2023-09-22

Batch: 2023-00111

Report Date  
2023-09-22 11:47 AM

Payment # Invoice #	Date	Vendor Name GL Account	Reference GL Transaction Description	Detail Amount	Payment Amount
<b>Bank Code: GEN - General</b>					
Computer Cheques:					
3325 Levy2023	2023-09-22	<b>Algonquin &amp; Lakeshore Catholic</b> 10-10-12-46130 - Schools-English	<b>3rd Levy Installment</b> 3rd Levy Installment	5,082.35	5,082.35
3326 23230488	2023-09-22	<b>Battlefield Equipment Rental</b> 10-80-81-43642 - Mill Point Park	<b>Anchor wedge, bits</b> Anchor wedge, bits	63.23	
		10-00-00-12103 - Federal Rebate	HST Tax Code	3.11	
		10-00-00-12104 - Provincial Reba	HST Tax Code	3.88	70.22
23230469		10-80-81-43642 - Mill Point Park	Drill bits	65.47	
		10-00-00-12103 - Federal Rebate	HST Tax Code	3.22	
		10-00-00-12104 - Provincial Reba	HST Tax Code	4.01	72.70
				<b>Payment Total:</b>	<b>142.92</b>
3327 Aug2023	2023-09-22	<b>Free Flow Gas Bar</b> 10-95-95-43201 - Transit- Gas an	<b>Fuel for August</b> Fuel for August	3,134.35	
		10-00-00-12103 - Federal Rebate	HST Tax Code	154.01	
		10-00-00-12104 - Provincial Reba	HST Tax Code	192.20	3,480.56
3328 5615015	2023-09-22	<b>Bearcom Canada Corp</b> 10-20-21-43630 - Fire - Small Too	<b>MOT CP150 RD CHAR</b> MOT CP150 RD CHAR	172.99	
		10-00-00-12103 - Federal Rebate	HST Tax Code	8.50	
		10-00-00-12104 - Provincial Reba	HST Tax Code	10.61	192.10
3329 138292	2023-09-22	<b>ChoiceCom Networks &amp; Comm.</b> 10-10-12-43130 - Admin - Photoc	<b>Billing Period 9/15-10/14</b> Billing Period 9/15-10/14	123.18	
		10-00-00-12103 - Federal Rebate	HST Tax Code	6.05	
		10-00-00-12104 - Provincial Reba	HST Tax Code	7.56	136.79
3330 4589	2023-09-22	<b>Congers Plumbing</b> 10-80-83-43300 - Arena -Building	<b>Replaced pipe in condenser</b> Replaced pipe in condense	480.35	
		10-00-00-12101 - ITC Receivable	HST-ITC Tax Code	24.02	
		10-00-00-12101 - ITC Receivable	HST-ITC Tax Code	38.43	542.80
3331 Levy2023	2023-09-22	<b>Conseil Des Ecoles Publiques</b> 10-10-12-46110 - Schools-French	<b>Levy Payment #3</b> Levy Payment #3	321.44	321.44
3332 Levy2023	2023-09-22	<b>Conseil Des'El Coles</b> 10-10-12-46140 - Schools-French	<b>Levy payment #3</b> Levy payment #3	118.58	118.58
3333 00000000007678	2023-09-22	<b>County of Hastings</b> 10-10-12-43500 - Admin - Comput	<b>It Support Sept 2023</b> It Support Sept 2023	783.33	783.33
Levy2023		10-10-12-46200 - Hastings County	3rd Levy payment	95,007.65	95,007.65

**List of Accounts for Approval**

Report Date  
2023-09-22 11:47 AM

As of 2023-09-22  
Batch: 2023-00111

Payment # Invoice #	Date	Vendor Name GL Account	Reference GL Transaction Description	Detail Amount	Payment Amount
				Payment Total:	95,790.98
<b>3334</b>	<b>2023-09-22</b>	<b>Counterforce</b>	<b>Monitoring Service 10/05-11/05</b>		
R13533036		10-80-83-43180 - Arena -Outside	Monitoring Service 10/05-	36.32	
		10-00-00-12101 - ITC Receivable	HST-ITC Tax Code	1.82	
		10-00-00-12101 - ITC Receivable	HST-ITC Tax Code	2.90	41.04
<b>3335</b>	<b>2023-09-22</b>	<b>Enbridge Gas</b>	<b>Billing Per Aug12-Sep12</b>		
Aug23Arena		10-80-83-43430 - Arena -Heat	Billing Per Aug12-Sep12	159.17	
		10-00-00-12101 - ITC Receivable	HST-ITC Tax Code	7.96	
		10-00-00-12101 - ITC Receivable	HST-ITC Tax Code	12.73	179.86
<b>3336</b>	<b>2023-09-22</b>	<b>Fire Marshal's Public Safety</b>	<b>4" smoke alarm</b>		
IN163462		10-20-21-43740 - Fire - Fire Preve	4" smoke alarm	155.20	
		10-00-00-12103 - Federal Rebate	HST Tax Code	7.63	
		10-00-00-12104 - Provincial Reba	HST Tax Code	9.52	172.35
IN006319		10-20-21-43803 - Fire - Education	Annual Membership 2023	100.00	100.00
				Payment Total:	272.35
<b>3337</b>	<b>2023-09-22</b>	<b>Gin-Cor Industries Inc.</b>	<b>Rectangular tubing</b>		
80950		10-30-31-50524 - 2010 PTRB COI	Rectangular tubing	407.04	
		10-00-00-12103 - Federal Rebate	HST Tax Code	20.00	
		10-00-00-12104 - Provincial Reba	HST Tax Code	24.96	452.00
<b>3338</b>	<b>2023-09-22</b>	<b>Hach Sales &amp; Service Canada</b>	<b>Process Vials x4</b>		
332360		15-40-41-43640 - W & S - Lab Eqi	Process Vials x4	365.93	
		10-00-00-12103 - Federal Rebate	HST Tax Code	17.98	
		10-00-00-12104 - Provincial Reba	HST Tax Code	22.44	406.35
<b>3339</b>	<b>2023-09-22</b>	<b>Hasting &amp; Prince Edward</b>	<b>Levy payment 3</b>		
Levy2023		10-10-12-46100 - Schools-English	Levy payment 3	50,965.93	50,965.93
<b>3340</b>	<b>2023-09-22</b>	<b>Hayes, Devan</b>	<b>Jeans/Hoodies/T-Shirts</b>		
Clothes2023		10-30-31-43710 - Roads - Clothinq	Jeans/Hoodies/T-Shirts	139.29	
		10-00-00-12103 - Federal Rebate	HST Tax Code	6.84	
		10-00-00-12104 - Provincial Reba	HST Tax Code	8.54	154.67
<b>3341</b>	<b>2023-09-22</b>	<b>ICONIX Waterworks LP</b>	<b>bikeproof dish w/overflow</b>		
C2316086157		15-40-41-43602 - Water - Distribu	bikeproof dish w/overflow	4,235.27	
		10-00-00-12103 - Federal Rebate	HST Tax Code	208.10	
		10-00-00-12104 - Provincial Reba	HST Tax Code	259.71	4,703.08
<b>3342</b>	<b>2023-09-22</b>	<b>Napanee Home Hardware</b>	<b>Drill bits,screw lags, etc</b>		
DC3885		10-80-81-43642 - Mill Point Park	Drill bits,screw lags, et	374.32	
		10-00-00-12103 - Federal Rebate	HST Tax Code	18.39	
		10-00-00-12104 - Provincial Reba	HST Tax Code	22.96	415.67

Report Date  
2023-09-22 11:47 AM

Town of Deseronto  
**List of Accounts for Approval**  
As of 2023-09-22  
Batch: 2023-00111

Payment # Invoice #	Date	Vendor Name GL Account	Reference GL Transaction Description	Detail Amount	Payment Amount
DC3984		15-40-41-44830 - Water - Treatme	fiberglass repair kit	122.07	
		10-00-00-12103 - Federal Rebate	HST Tax Code	6.00	
		10-00-00-12104 - Provincial Rebat	HST Tax Code	7.48	135.55
DC2533		10-80-81-43642 - Mill Point Park	Fence and post cement	121.99	
		10-00-00-12103 - Federal Rebate	HST Tax Code	5.99	
		10-00-00-12104 - Provincial Rebat	HST Tax Code	7.48	135.46
				Payment Total:	686.68
3343	2023-09-22	<b>Noble Corporation</b>	<b>Elbows,adapters,pipe,etc</b>		
5025076-00		15-40-41-43601 - Wastewater - C	Elbows,adapters,pipe,etc	476.51	
		10-00-00-12103 - Federal Rebate	HST Tax Code	23.41	
		10-00-00-12104 - Provincial Rebat	HST Tax Code	29.23	529.15
3344	2023-09-22	<b>Palmer &amp; Associates</b>	<b>Second retainer fee manager</b>		
8-1896-23		10-10-10-43805 - Council - Misc. E	Second retainer fee manag	5,792.69	
		10-00-00-12103 - Federal Rebate	HST Tax Code	284.63	
		10-00-00-12104 - Provincial Rebat	HST Tax Code	355.20	6,432.52
3345	2023-09-22	<b>Scott, Andrew</b>	<b>Hoodies</b>		
Cloths2023		10-30-31-43710 - Roads - Clothing	Hoodies	76.30	
		10-00-00-12103 - Federal Rebate	HST Tax Code	3.75	
		10-00-00-12104 - Provincial Rebat	HST Tax Code	4.68	84.73
3346	2023-09-22	<b>True Comfort Heating &amp; Cooling Service</b>	<b>call no a/c 4 hrs</b>		
22853		10-80-83-43300 - Arena -Building	Service call no a/c 4 hrs	830.00	
		10-00-00-12101 - ITC Receivable	HST-ITC Tax Code	41.50	
		10-00-00-12101 - ITC Receivable	HST-ITC Tax Code	66.40	937.90
Other:					
30-Man	2023-09-19	<b>BMO MasterCard</b>	<b>Monthly Charges Aug 2023</b>		
Sept 2023		10-00-00-12650 - Due From (To) I	Monthly Charges Aug 2023	1,375.31	
		10-90-92-43825 - Econ Dev- Sunc	Audioeye fpr Aug	66.80	
		10-10-12-43500 - Admin - Comput	E-Notices Anual Fee	50.91	
		10-10-12-43700 - Admin - Advertis	Job Ad -AMCTO	656.35	
		10-00-00-12103 - Federal Rebate	HST Tax Code	32.25	
		10-00-00-12104 - Provincial Rebat	HST Tax Code	40.25	2,221.87
				Total for GEN:	173,876.65

Report Date  
2023-09-22 11:47 AM

Town of Deseronto  
**List of Accounts for Approval**  
As of 2023-09-22  
Batch: 2023-00111

Page 4

Payment # Invoice #	Date	Vendor Name GL Account	Reference GL Transaction Description	Detail Amount	Payment Amount
------------------------	------	---------------------------	---	---------------	----------------

---

Certified Correct This September 22, 2023

\_\_\_\_\_  
Mayor



\_\_\_\_\_  
Treasurer

<b>TOPIC:</b>	<b>WSIB Health &amp; Safety Excellence Program Building Inspections</b>
<b>REPORT #</b>	<b>TRE-2023-41</b>
<b>REPORT BY:</b>	<b>Treasurer</b>
<b>DRAFTED:</b>	<b>September 20<sup>th</sup>, 2023</b>
<b>AMENDED:</b>	
<b>COUNCIL/COMMITTEE:</b>	<b>September 27<sup>th</sup>, 2023</b>

### **ISSUE**

To present Council with information on the building inspections that were performed for the WSIB Health & Safety Excellence Program.

### **BACKGROUND**

As part of fulfilling the requirements of the WSIB Health & Safety Excellence Program, we had to complete an initial building inspection on all our Town buildings. We formed an inspection committee of Kris Brunton from the Fire Department, Matt Humphreys from Public Works, and Mora Nicholls from Administration. We used a “Monthly Workplace Inspection Form” for each building (see attached) as a guide as to what to look for. There are a lot of “housekeeping” items which can be done with building maintenance/operating budget money, and other items that won’t cost any money, that staff from the different buildings can complete. The items that staff can complete, that does not involve any money, will be listed and sent to the appropriate employee of each department for completion.

WSIB want to see that Council is committed to this program going forward. I have made a list of the projects/issues that will cost money to correct, that were found during the inspections. On the list I indicate if it can be covered under operating budget or capital budget and prioritizes them by budget years. Council can review this list and once agreed upon, can pass a resolution that these projects/issues will be completed in current and future budgets.

**RECOMMENDATION**

That Council give staff direction on what capital projects they would like to move ahead with in 2024 and future years.

**List of Building Projects to be Completed**  
**WSIB Health & Safety Excellence Program**

**Community Centre (Arena)**

<b>Project Description</b>	<b>Operating Budget</b>	<b>Capital Budget</b>	<b>Budget Year</b>
Secure player home bench to wall	☒		2023
Secure penalty box bench to the wall	☒		2023
Cages for florescent lights	☒		2024
Remove dangerous unusable plug from bar room	☒		2024
Install a GFI plug in canteen by coffee pot	☒		2023
First aid training for staff	☒		2023
Eyewash stations need three	☒		2023
Fire extinguisher box in front hall needs glass	☒		2024
Proper signage for fire extinguishers	☒		2023
Exit sign in backroom needs lights	☒		2023



## Fire Hall

<b>Project Description</b>	<b>Operating Budget</b>	<b>Capital Budget</b>	<b>Budget Year</b>
Bathroom light switch needs a cover plate	<input checked="" type="checkbox"/>		2023
Floor grate in truck bay needs to be replaced		<input checked="" type="checkbox"/>	2024
Concrete around floor grate needs to be repaired		<input checked="" type="checkbox"/>	2024
Oxygen bottles need to be placed in a storage rack	<input checked="" type="checkbox"/>		2023
Truck bay entrance needs door repairs		<input checked="" type="checkbox"/>	2024
Replace lighting in the truck bay, not bright enough		<input checked="" type="checkbox"/>	2024
Eyewash station needed in truck bay	<input checked="" type="checkbox"/>		2023
Needs proper signage for fire extinguishers	<input checked="" type="checkbox"/>		2023

**Town Hall**

<b>Project Description</b>	<b>Operating Budget</b>	<b>Capital Budget</b>	<b>Budget Year</b>
Need a CSA approved step stool in vault	<input checked="" type="checkbox"/>		2023
Install lighting by staff parking area		<input checked="" type="checkbox"/>	2024
Install security cameras in building		<input checked="" type="checkbox"/>	2024
Staff need first aid training	<input checked="" type="checkbox"/>		2023
Needs proper signage for fire extinguishers	<input checked="" type="checkbox"/>		2023

## Transit Building

<b>Project Description</b>	<b>Operating Budget</b>	<b>Capital Budget</b>	<b>Budget Year</b>
Require a fireproof cabinet for oil and brake fluid		<input checked="" type="checkbox"/>	2024
Safety shoes for staff	<input checked="" type="checkbox"/>		2024
Exit signs required	<input checked="" type="checkbox"/>		2023
More lights over main entrance		<input checked="" type="checkbox"/>	2024
Staff need first aid training	<input checked="" type="checkbox"/>		2023
Small first aid kits required for buses	<input checked="" type="checkbox"/>		2023
Eyewash station required		<input checked="" type="checkbox"/>	2024
Need 3 fire extinguishers	<input checked="" type="checkbox"/>		2023
Need proper signage for fire extinguishers	<input checked="" type="checkbox"/>		2023
Need cabinet for storing cleaning supplies	<input checked="" type="checkbox"/>		2024

## Water & Wastewater Buildings

<b>Project Description</b>	<b>Operating Budget</b>	<b>Capital Budget</b>	<b>Budget Year</b>
West side of water plant building needs an overhang to stop birds from pooping on concrete		<input checked="" type="checkbox"/>	2024
Air tanks out of date need to be replaced		<input checked="" type="checkbox"/>	2024
Need cages for chlorine tanks on west side of building		<input checked="" type="checkbox"/>	2024
Need new step ladder for workshop	<input checked="" type="checkbox"/>		2023
Need proper signage for fire extinguishers	<input checked="" type="checkbox"/>		2023

<b>TOPIC:</b>	<b>Mill Point Park</b>
<b>REPORT BY:</b>	<b>Public Works Department</b>
<b>DRAFTED:</b>	<b>September 21, 2023</b>
<b>AMENDED:</b>	
<b>COUNCIL/COMMITTEE:</b>	<b>September 27, 2023</b>

### **Issue**

To update Council on the status of Mill Point Park

### **Background**

The Public Works Department have poured the concrete in the sono tubes and the chairs should be installed on Monday or Tuesday. The picnic tables and 2 of the garbage cans have been installed.

Once the sign is ready, we will install it as well.

### **Recommendation**

The Council receive the information.

## Gail Maracle

---

**From:** CEO Deseronto Public Library <ceo@deserontopubliclibrary.ca>  
**Sent:** September 21, 2023 10:36 AM  
**To:** Steve Everhardus  
**Cc:** Gail Maracle  
**Subject:** Re: Agenda item  
**Attachments:** PXL\_20230921\_135928580.jpg; PXL\_20230921\_135951549.jpg; PXL\_20230921\_140014787.jpg; PXL\_20230921\_135845071.jpg; PXL\_20230921\_135818410.jpg; Estimate\_1005\_from\_Caith\_Contracting.pdf

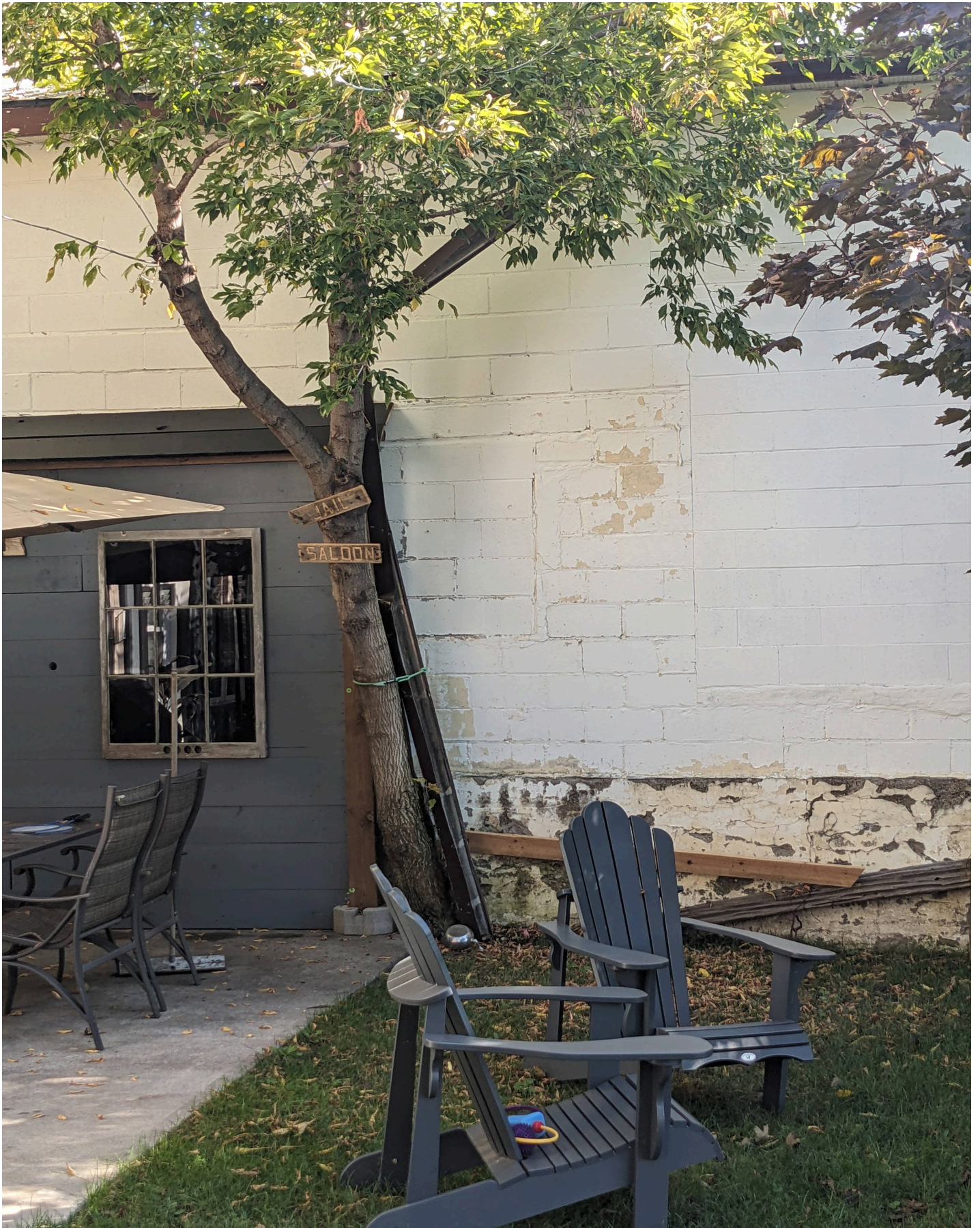
**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Hi all,

I've attached some pictures of the tree in question as well as the fallen rain gutter. The damaged rain gutter has fallen on the neighbour's property and he has bound it to a tree so it's not blowing about in the wind, but it's still attached to the main piece that runs the length of that side. I also have included the quote that we received for replacing the gutter - it's all one piece down that side of the building.

The tree is directly beside the ramp at the back of the building and is impacting the roof and clear access of the power lines. There are probably also other affected areas structurally that we just can't see from its positioning and size.

Gail if you need any more information from me please let me know.













# Caith Contracting

98 Main Street  
Deseronto ON K0K 1X0  
caithcontracting@hotmail.com  
GST/HST Registration No.: 754580512 RT0001



## Estimate

ADDRESS  
Julie  
358 Main St  
Deseronto Ontario K0K 1X0

ESTIMATE 1005  
DATE 06/07/2023  
EXPIRATION DATE 13/07/2023

DATE	ACTIVITY	DESCRIPTION	QTY	RATE	AMOUNT
01/06/2023	Services	Install Brown Eave with down spout on back side of library.	1	845.24	845.24

---

SUBTOTAL	845.24
HST (ON) @ 13%	109.88
<b>TOTAL</b>	<b>\$955.12</b>

### TAX SUMMARY

	RATE	TAX	NET
HST (ON) @ 13%		109.88	845.24

Accepted By

Accepted Date

# of Permits Issued In August 2023		
	#	
Deseronto	0	
Madoc	7	
Marmora and Lake	19	
Stirling-Rawdon	10	
Tweed	13	
Tyendinaga	12	
Total	61	

# Building Inspection Services Board Report 2023

## Permit Report



Building Permits Issued				
AUGUST 2023 Report				
	Residential Permit	Commercial Permit	Construction Value	Revenue
<b>Deseronto</b>	0	0	\$0.00	\$0.00
Madoc	7	0	\$784,001.00	\$10,381.50
Marmora and Lake	19	0	\$747,500.00	\$24,214.22
Stirling-Rawdon	9	1	\$928,000.00	\$11,520.00
Tweed	12	1	\$1,256,500.00	\$13,917.00
Tyendinaga	12	0	\$1,753,600.00	\$46,472.50
<b>Totals</b>		<b>61</b>	<b>\$5,469,601.00</b>	<b>\$106,505.22</b>
Deseronto				
	Residential Permit	Commercial Permit	Construction Value	Revenue
New Construction	1	0	\$305,000.00	\$4,324.50
Renovations	6	1	\$632,850.00	\$7,235.00
Demolition	0	0	\$0.00	\$0.00
<b>Totals</b>		<b>8</b>	<b>\$937,850.00</b>	<b>\$11,559.50</b>
Madoc				
	Residential Permit	Commercial Permit	Construction Value	Revenue
New Construction	16	1	\$3,440,561.00	\$42,838.15
Renovations	13	1	\$468,600.00	\$9,863.50
Demolition	0	0	\$0.00	\$0.00
<b>Totals</b>		<b>31</b>	<b>\$3,909,161.00</b>	<b>\$52,701.65</b>
Marmora and Lake				
	Residential Permit	Commercial Permit	Construction Value	Revenue
New Construction	45	1	\$5,670,900.00	\$93,435.16
Renovations	33	2	\$1,817,655.00	\$26,073.76
Demolition	3	0	\$4,000.00	\$600.00
<b>Totals</b>		<b>84</b>	<b>\$7,492,555.00</b>	<b>\$120,108.92</b>
Stirling-Rawdon				
	Residential Permit	Commercial Permit	Construction Value	Revenue
New Construction	33	2	\$8,221,850.00	\$83,058.16
Renovations	32	3	\$1,253,050.00	\$29,383.94
Demolition	3	0	\$42,000.00	\$600.00
<b>Totals</b>		<b>73</b>	<b>\$9,516,900.00</b>	<b>\$113,042.10</b>
Tweed				
	Residential Permit	Commercial Permit	Construction Value	Revenue
New Construction	27	0	\$3,751,100.00	\$41,207.80
Renovations	36	6	\$5,098,370.00	\$72,631.35
Demolition	4	0	\$392,500.00	\$800.00
<b>Totals</b>		<b>73</b>	<b>\$9,241,970.00</b>	<b>\$114,639.15</b>
Tyendinaga				
	Residential Permit	Commercial Permit	Construction Value	Revenue
New Construction	46	1	\$9,112,986.25	\$151,107.25
Renovations	22	2	\$972,475.00	\$13,950.00
Demolition	2	0	\$16,000.00	\$400.00
<b>Totals</b>		<b>73</b>	<b>\$10,101,461.25</b>	<b>\$165,457.25</b>
Year-To-Date Totals				
	Residential Permit	Commercial Permit	Construction Value	Revenue
New Construction 2023	123	4	\$30,502,397.25	\$415,971.02
Renovations 2023	109	13	\$10,243,000.00	\$159,137.55
Demolition 2023	9	0	\$454,500.00	\$2,400.00
<b>Totals 2023</b>		<b>342</b>	<b>\$41,199,897.25</b>	<b>\$577,508.57</b>

## Building Inspection Services Board Report 2023

### Month By Month Permit Report



	May			June			July			August		
	Permits	Construction	Revenue	Permits	Construction	Revenue	Permits	Construction	Revenue	Permits	Construction	Revenue
DESERONTO	3	\$355,500	\$1,290.00	0	\$0	\$0.00	1	\$305,000	\$4,324.50	0	\$0.00	\$0.00

	May			June			July			August		
	Permits	Construction	Revenue	Permits	Construction	Revenue	Permits	Construction	Revenue	Permits	Construction	Revenue
STIRLING-RAWDON	21	\$2,813,200	\$49,425.06	10	\$422,500	\$6,246.00	13	\$844,300	\$15,264.90	10	\$928,000	\$11,520.00

	May			June			July			August		
	Permits	Construction	Revenue	Permits	Construction	Revenue	Permits	Construction	Revenue	Permits	Construction	Revenue
TWEED	15	\$1,492,500	\$29,124.85	18	\$1,400,100	\$21,081.00	9	\$749,500	\$14,058.80	13	\$1,256,500.00	\$13,917.00

	May			June			July			August		
	Permits	Construction	Revenue	Permits	Construction	Revenue	Permits	Construction	Revenue	Permits	Construction	Revenue
TYENDINAGA	16	\$2,277,012	\$38,972.50	15	\$2,432,675	\$26,502.75	10	\$1,164,455	\$20,778.50	12	\$1,753,600.00	\$46,472.50

	May			June			July			August		
	Permits	Construction	Revenue	Permits	Construction	Revenue	Permits	Construction	Revenue	Permits	Construction	Revenue
MADOC	5	\$169,000	\$806.50	6	\$880,600	\$11,280.50	8	\$1,063,000	\$19,217.10	7	\$784,001.00	\$10,381.50

	May			June			July			August		
	Permits	Construction	Revenue	Permits	Construction	Revenue	Permits	Construction	Revenue	Permits	Construction	Revenue
MARMORA & LAKE	11	\$939,400	\$18,858.19	16	\$1,011,250	\$22,375.46	11	\$1,355,700	\$13,322.10	19	\$747,500.00	\$24,214.22

**YEAR TO DATE 2023 - # OF PERMITS**

		<u>Deseronto YTD</u>	<u>Madoc YTD</u>	<u>Marmora &amp; Lake YTD</u>	<u>Stirling YTD</u>	<u>Tweed YTD</u>	<u>Tyendinaga YTD</u>	
JANUARY	22	2	1	11	2	4	2	22
FEBRUARY	16	1	0	4	1	4	6	16
MARCH	19	1	1	7	4	2	4	19
APRIL	36	0	3	5	12	8	8	36
MAY	71	3	5	11	21	15	16	71
JUNE	65	0	6	16	10	18	15	65
JULY	52	1	8	11	13	9	10	52
AUGUST	61	0	7	19	10	13	12	61
SEPTEMBER	0	0	0	0	0	0	0	0
OCTOBER	0	0	0	0	0	0	0	0
NOVEMBER	0	0	0	0	0	0	0	0
DECEMBER	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>342</b>	<b>8</b>	<b>31</b>	<b>84</b>	<b>73</b>	<b>73</b>	<b>73</b>	<b>342</b>



## Gail Maracle

---

**From:** Amy Dickens <ADickens@quinteconservation.ca>  
**Sent:** September 15, 2023 11:01 AM  
**To:** Harrow, Justin (HarrowJ@hastingscounty.com); 'agirouard@greaternapanee.com'; 'mnobes@greaternapanee.com'; Gail Maracle; tbennett@marmoraandlake.ca; v Reid@marmoraandlake.ca; kmclean@marmoraandlake.ca; cao-treasurer@tweed.ca; cao@madoc.ca; tchoinard@centrehastings.ca; Ethan Griffith; 'mwallace@pecounty.on.ca'; Peter Moyer; Albert Paschkowiak; Kayla Beach; Bovay, Rod; 'pdecola@belleville.ca'; Hughes, Olivia; 'gpinchin@belleville.ca'  
**Subject:** Quinte Source Protection - Pre-consultation (Municipalities with DWS)  
**Attachments:** S36\_AssessmentReport\_Summary.pdf; S36\_SourceProtectionPlan\_Summary.pdf; PRECON\_Section36Notice2023.pdf

### Re: Quinte Source Protection Area Pre-Consultation for Amendments to the Assessment Report and Source Protection Plan

Please be advised, the Quinte Source Protection Committee is proposing a number of amendments to the Quinte Source Protection Plan and Assessment Report, completed under Section 36 of the *Clean Water Act, 2006*.

These amendments are necessary to adjust to some changes to the Technical Rules under the Clean Water Act, 2006 and to address some identified policy issues. The Committee has been consulting, researching, and proposing amendments over the past few years.

The following amendments apply **directly** to municipalities in vulnerable areas, and therefore may be of your greatest interest:

- Threat circumstances, applicable areas, and examples have been updated to align with the 2021 Technical Rules.
- *Policy G-5-F: Transport Pathways Preventative Measures* - Policy amended to apply in intake protection zones as well as wellhead protection areas and new preventative measures added based on consultation with neighboring SPAs.
- *Policy G-5a-F: Transport Pathways Notification* - New policy highlights existing requirement of O.Reg. 287/07 subsection 27(3), requiring municipalities to notify source protection authority of proposed development considered a transport pathway.
- *Policy G-10-E & F: Climate Change Assessment* - New Climate Change Assessment policy for municipalities to consider.
- *Policy G-11-E & F: Source Protection of All Drinking Water Systems* – New policy suggests municipalities consider the use of Best Practices Guidance on all drinking water systems.
- *Policy 2-7-E & F: Managing Sewage Infrastructure* – with new consolidated linear infrastructure approach, the committee determined this policy should apply to existing and future threats.
  - *policy text added for consideration of maintenance and cleaning schedules for stormwater management ponds*
  - *policy text added to address new CLIA approach*
  - *threat subcategories and vulnerability scores amended*
- *Policy 12-5-E & F: Monitoring Road Salt in Municipal Drinking Water Sources* – New policy strongly encourages municipalities to annually monitor sodium and chloride levels in the raw water at the water treatment plant. Where annual sampling is deemed unfeasible, the municipality is strongly encouraged to perform required sampling during spring runoff and seasonal melt periods.
- *Policy 14-7-E: Existing Snow Dump Relocation Assessment* - new policy added requesting municipalities with existing snow dumps in vulnerable areas ability to assess new sites outside of the most vulnerable areas and potentially move the snow dump location.
- *Policy 15-2-F: Risk Management Plan for Future Handling and Storage of Fuel* – Existing policy was redundant due to 2021 Technical Rule amendments therefore policy replaced with New policy added for risk management plans for large tanks in IPZs to align with 2021 Technical Rules.

- *PRINCE EDWARD COUNTY ONLY - Policy 16-5-E: Management of DNAPL Condition Site – New policy created to address new condition in SPA.*
- ***There are also numerous amendments to the Part IV policies which Quinte Conservation implements on behalf of our member municipalities.***

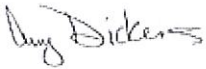
The Ministry of the Environment, Conservation and Parks has reviewed the amendment package as the first step for consultation and we are now required to provide implementers of policies and First Nations to review and comment on the proposed amendments.

**Please provide your feedback on the proposed amendments to Amy Dickens, Source Protection Program Coordinator ([adickens@quinteconservation.ca](mailto:adickens@quinteconservation.ca)) by **October 15, 2023**.**

As there are numerous proposed amendments, we have attached summary tables of all the proposed amendments. If required, you can access the complete track changes versions of the Assessment Report, Source Protection Plan and applicable maps on our [webpage](#).

The Pre-Consultation Phase will run for 30-days, ending October 15, 2023. Please feel free to circulate this notice to appropriate staff. **If you have any comments, questions, or would like to meet to discuss these proposed amendments, please do not hesitate to contact me.** You will be circulated again when we begin the Public Consultation Phase later this year.

Sincerely,



Amy Dickens (she/her)  
**Source Water Protection Project Coordinator**  
**GIS/Database Specialist**  
**Risk Management Official/Inspector**  
[www.quinteconservation.ca](http://www.quinteconservation.ca)  
[www.quintesourcewater.ca](http://www.quintesourcewater.ca)  
<http://twitter.com/quinteca>  
[adickens@quinteconservation.ca](mailto:adickens@quinteconservation.ca)  
[Click here to sign up for one of Quinte Conservation's e-newsletters!](#)

RR#2, 2061 Old Hwy #2, Belleville, ON K8N 4Z2  
 Phone: (613) 968-3434 ext 132 Fax: (613) 968-8240

 **Consider the environment. Please don't print this e-mail unless you really need to.**

*Working, living, and learning on the traditional territories of the Anishnabek, Huron-Wendat, and Haudenosaunee (Iroquois) peoples.*

Disclaimer: This is intended for the addressee indicated above. It may contain information that is privileged, confidential, or otherwise protected from disclosure under the Municipal Freedom of Information and Privacy Protection Act. If you have received this in error, please notify us immediately.

## Section 36 - Source Protection Plan Amendment

*Official Pre-Consultation Notice under Ontario Regulation 287/07*

September 2023

Attention: Quinte Source Protection Plan Implementing Bodies and Stakeholders

### **RE: Pre-Consultation Notice of Proposed Updates to the Quinte Source Protection Plan and Assessment Report**

Please be advised, the Quinte Source Protection Committee is proposing a number of amendments to the approved Quinte Region Source Protection Plan and Assessment Report, completed under Section 36 of the *Clean Water Act, 2006*.

This mandatory Pre-Consultation Phase is to provide implementers of policies and First Nations to review and comment on the proposed amendments.

These amendments are necessary to adjust to some changes to the Technical Rules under the Clean Water Act, 2006 and to address some identified policy issues. The Committee has been consulting, researching, and proposing amendments over the past few years,

The Ministry of the Environment, Conservation and Parks has reviewed the amendment package as the first step for consultation and we are now required to pre-consult with implementing bodies including Conservation Authorities and Source Protection Authorities.

This amendment includes updates to the Assessment Report, Source Protection Plan and applicable maps.

**Please provide your feedback on the proposed amendments to Amy Dickens, Source Protection Program Coordinator ([adickens@quinteconservation.ca](mailto:adickens@quinteconservation.ca)) by **October 15, 2023**.**

As there are numerous proposed amendments we have attached summary tables of all the proposed amendments and you can access the complete track changes versions of the documents on our [webpage](#).

The Pre-Consultation Phase will run for 30-days, ending October 15, 2023. Please feel free to circulate this notice to appropriate staff. If you have any comments, questions, or concerns, please do not hesitate to contact me. You will be circulated again when we begin the Public Consultation Phase later this year.

Sincerely,



Amy Dickens  
Source Protection Program Coordinator  
Quinte Source Protection Area

Cc: Max Christie, Chair, Quinte Source Protection Committee  
Brad McNevin, CAO, Quinte Conservation

Chapter/Section	Rationale	Change	
Various	Ministry name changed	"Ministry of the Environment and Climate Change" to "Ministry of the Environment, Conservation and Parks"	
	Technical Rule amendment - Rule 114	"monitoring well" to "monitoring location"	
	Update name	"Quinte Source Protection Region" to "Quinte Source Protection Area"	
	Technical Rule amendment - Rule 16(3)(e)	"Location Monitoring Wells" to "Monitoring Locations"	
	Ministry name changed	"Ministry of Natural Resources" to "Ministry of Natural Resources and Forestry"	
	Rule 8(1)	remove vulnerability scores associated with Significant Groundwater Recharge Areas	
	Prescribed Drinking Water Threat Subcategory name change	"septic systems" to "onsite sewage works system"	
	Introduction of new Prescribed Drinking Water Threat - the establishment and operation of a liquid hydrocarbon pipeline	addition of "the establishment and operation of a liquid hydrocarbon pipeline" to lists/tables of threat circumstances	
	Technical Rule Amendments	updated to refer to latest Technical Rules and remove reference to outdated provincial tables of circumstances	
Chapter 4 - 4.5.2	Technical Rule amendment - Part V.3 Rule 47(7)	Text amended to remove language around WHPA F and replace with explanation of WHPA-ICA	
Chapter 4 - Table 4-4	Technical Rule amendment - Rule 95.1	note added below table to explain potential higher source vulnerability score	
Chapter 4 - 4.7.2	Technical Rule Amendments - Part XI.3 Rule 126(1)-(6)	text amended to align with current condition rules	
Chapter 4 - 4.7.6	Impervious % new mapping methodology	explanation of new impervious surface methodology used	
Chapter 5 - 5.1.5	Impervious % new mapping methodology	updated impervious surface percentages based on new methodology	
Chapter 5 - Table 5-5	Referenced tables of threats no longer exist	table removed and subsequent table numbers amended	
Chapter 5 - 5.2.1	vulnerability scores related to Significant Groundwater Recharge Areas removed from Technical Rules	section removed and subsequent section numbers amended	
Chapter 5 - 5.2.3	vulnerability scores related to Significant Groundwater Recharge Areas removed from Technical Rules	SGRA managed lands and livestock density removed	
Chapter 5 - 5.2.4	vulnerability scores related to Significant Groundwater Recharge Areas removed from Technical Rules	SGRA percentage of impervious surfaces removed	
Chapter 5 - 5.2.5	vulnerability scores related to Significant Groundwater Recharge Areas removed from Technical Rules	SGRA water quality issues section removed	
Chapter 5 - 5.2.6	vulnerability scores related to Significant Groundwater Recharge Areas removed from Technical Rules	SGRA issues evaluation section removed	
Chapter 5 - 5.2.8	vulnerability scores related to Significant Groundwater Recharge Areas removed from Technical Rules	SGRA threats assessment section removed	
Chapter 5 - 5.3	Technical Rule 47(7)	removal of 'WHPA F' and addition of description of new category "WHPA-ICA"	
Chapter 5 - 5.4.2	Minister's Order - S36	update to Peats Point Wellhead Protection Area E to remove section watercourse that drain away from drinking water system	Peats Point
Chapter 5 - 5.4.6	Impervious % new methodology	updated impervious surface percentages based on new methodology	Peats Point
Chapter 5 - 5.4.8	updates in threat #s based on verification and new threat circumstances	updated threat numbers, removed table of provincial circumstances	
Chapter 5 - 5.5.5	change impervious surface methodology resulted in new impervious surface percentages for WHPA	updated table with impervious surface percentages	Deloro
Chapter 5 - 5.5.7	updates in threat #s based on verification and new threat circumstances	updated threat numbers, removed table of provincial circumstances	
Chapter 5 - 5.6.5	change impervious surface methodology resulted in new impervious surface percentages for WHPA	updated table with impervious surface percentages	Tweed
Chapter 5 - 5.6.8	updates in threat #s based on verification and new threat circumstances	updated threat numbers, removed table of provincial circumstances	
Chapter 5 - 5.7.2	technical rule amendment	amend text to reflect new technical rule terminology "WHPA-ICA"	
Chapter 5 - 5.7.6	change impervious surface methodology resulted in new impervious surface percentages for WHPA	updated table with impervious surface percentages	Madoc
Chapter 5 - 5.7.7	updated issues evaluation	paragraph added to update issues evaluation with new raw water data	
Chapter 5 - 5.7.7	technical rule amendment	amend text to reflect new technical rule terminology "WHPA-ICA"	

Chapter 5 - 5.7.8	updates in threat #s based on verification and new threat circumstances	updated threat numbers, removed table of provincial circumstances	
Chapter 6 - 6.1.6.3	change impervious surface methodology resulted in new impervious surface percentages for IPZ	updated text regarding impervious surface methodology percentages	Belleville
Chapter 6 - 6.1.7.2	updates in threat #s based on verification and new threat circumstances	updated threat numbers, removed table of provincial circumstances	
Chapter 6 - 6.2.5.3	change impervious surface methodology resulted in new impervious surface percentages for IPZ	updated text regarding impervious surface methodology percentages	Point Anne
Chapter 6 - 6.2.9.4	updates in threat #s based on verification and new threat circumstances	updated threat numbers	
Chapter 6 - 6.3.3	IPZ2 required updating to include newly developed land contributing to intake protection zone	section updated to explain amended intake protection zone 2, map updates	Picton
Chapter 6 - 6.3.4.3	change impervious surface methodology resulted in new impervious surface percentages for IPZ	updated text regarding impervious surface methodology percentages	
Chapter 6 - 6.3.5.2	updates in threat #s based on verification and new threat circumstances	updated threat numbers	
Chapter 6 - 6.3.5.2	conditions update to include contaminated site	text updated	
Chapter 6 - 6.4.5.3	change impervious surface methodology resulted in new impervious surface percentages for IPZ	updated text regarding impervious surface methodology percentages	Deseronto
Chapter 6 - 6.4.6.2	updates in threat #s based on verification and new threat circumstances	updated threat numbers	
Chapter 6 - 6.5.6.3	change impervious surface methodology resulted in new impervious surface percentages for IPZ	updated text regarding impervious surface methodology percentages	Napanee
Chapter 6 - 6.5.7.2	updates in threat #s based on verification and new threat circumstances	updated threat numbers	
Chapter 6 - 6.6.5.3	change impervious surface methodology resulted in new impervious surface percentages for IPZ	updated text regarding impervious surface methodology percentages	Ameliasburgh
Chapter 6 - 6.6.6.2	updates in threat #s based on verification and new threat circumstances	updated threat numbers	
Chapter 7 - 7.3	updated science related to climate change	text added, updating modelling and results	
Chapter 7 - 7.5	updated research	updated research findings added to potential impacts on water quality	
Chapter 8 - 8.3.5	new condition site	conditions paragraph amended to include new condition site	
Chapter 8 - 8.5	updated scientific research	Future item of study - Perfluoroalkyl and Polyfluoroalkyl Substances (PFAS) text added to discuss PFAs in the environment	

Chapter/Section	Rationale	Change
Various	Ministry name changed	"Ministry of the Environment and Climate Change" to "Ministry of the Environment, Conservation and Parks"
	Update name	"Quinte Source Protection Region" to "Quinte Source Protection Area"
	Ministry name changed	"Ministry of Natural Resources" to "Ministry of Natural Resources and Forestry"
	Prescribed Drinking Water Threat Subcategory name change	"septic systems" to "onsite sewage works system"
	Introduction of new Prescribed Drinking Water Threat - the establishment and operation of a liquid hydrocarbon pipeline	addition of "the establishment and operation of a liquid hydrocarbon pipeline" to lists/tables of threat circumstances
Chapter 4 - 4.2.1	Peats Point Wellhead Protection Area (WHPA) E refined	Peats Point updated WHPA E on Map 4-1
Chapter 4 - 4.2.3	Picton Intake Protection Zone 2 expanded to include new development in intake protection zone 2	Picton updated IPZ2 on Map 4-3
Chapter 5		
Transition	policy added to to address policy gap - no such policy in current approved plan	New transition Policy added to Source Protection Plan
	policy added to to address policy gap - no such policy in current approved plan	New Interruption/Expansion Policy added to Source Protection Plan
General		
G-1-E&F	expanded to include additional significant drinking water threat management measures	"policy G-1: Education and Outreach" amended to include road salt and urban livestock measures
G-2a -E&F	Policy created to address policy gap regarding spills where response is Coast Guard responsibility in L. Ontario	"Policy G-2a: Emergency Planning in Intake Protection Zones and Wellhead Protection Areas" added
G-4-E	Regulation name added	"Policy G-4-E: Existing Transport Pathways - Well Decommissioning or Upgrading"
G-5-F	1) Policy amended to apply in intake protection zones as well as wellhead protection areas 2) new preventative measures added based on consultation with neighboring SPAs	1) applicable areas now apply to intake protection zones 2) 2 new preventative measures added
G-5a-F	added to address policy gap - no policy in current approved plan for transport pathway notification	New policy highlights requirement of O.Reg. 287/07 subsection 27(3), requiring municipalities to notify source protection authority of proposed development considered a transport pathway
G-5b-F	added to address policy gap - no policy in current approved plan for transport pathway notification	New policy highlights requirement of O.Reg. 287/07 subsection 27(3), asks CA staff to notify source protection authority of proposed development considered a transport pathway
G-10-E&F	added to address climate change policy gap - no policy in current approved plan	New Climate Change Assessment policy for municipalities to consider
G-11-E&F	added to promote Ministry developed Best Practices Guidance	New Source Protection of all Drinking Water Systems policy for municipalities to consider
Waste Disposal		
1-1-F	applicable areas amended to align with 2021 Technical Rules	WHPA E and IPZs with a vulnerability score of >8
1-2-E	1)applicable areas amended to align with 2021 Technical Rules 2) policy text amended to align with other Prescribed Instrument Policies	1) WHPA E and IPZs with a vulnerability score of >8 2) "prescribed instrument" replaces "environmental compliance approval"
1-3-F	1)applicable areas amended to align with 2021 Technical Rules 2) policy text amended to align with other Prescribed Instrument Policies 3) policy text amended to align with 2021 Technical Rules threat subcategories	1) WHPA E and IPZs with a vulnerability score of >8 2) "prescribed instrument" replaces "environmental compliance approval" 3) threat subcategories amended
1-4-E	early engagement comments	policy text amended to better align with conditions process
1-6-E&F	program awareness	policy text amended to include reference to vulnerable area
1-7-E&F	1)applicable areas amended to align with 2021 Technical Rules 2) policy text amended to align with other Prescribed Instrument Policies 3) policy text amended to align with 2021 Technical Rules threat subcategories	1) WHPAs and IPZs with a vulnerability score of 10 2) "prescribed instrument" replaces "environmental compliance approval" 3) threat subcategories amended
1-8-E&F	1)applicable areas amended to align with 2021 Technical Rules 2) policy text amended to align with other Prescribed Instrument Policies 3) policy text amended to align with 2021 Technical Rules threat subcategories	1) WHPAs and IPZs with a vulnerability score of 10 2) "prescribed instrument" replaces "environmental compliance approval" 3) threat subcategories amended
Sewage		
2-4-E&F	1) policy text amended to align with other Prescribed Instrument Policies 2) program awareness	1) "prescribed instrument" replaces "environmental compliance approval" 2) policy text amended to include reference to vulnerable area

2-5-E	1) policy clarification 2) policy text amended to include new CLIA 3) policy text amended to align with 2021 Technical Rules threat subcategories 4) program awareness	1) applicable act wording added for clarification 2) policy text added to address new CLIA approach 3) threat subcategories amended 4) Policy text amended to include reference to vulnerable areas
2-6-F	1) policy text amended to include management measures for surface water intakes as well as wellhead protection areas 2) policy text amended to include new CLIA 3) applicable areas amended to align with 2021 Technical Rules threat subcategories 4) program awareness	1) policy text added for consideration of maintenance and cleaning schedules for stormwater management ponds 2) policy text added to address new CLIA approach 3) threat subcategories and vulnerability scores amended 4) Policy text amended to include reference to vulnerable areas
2-7-E & F	1) existing and future policy now required 2) policy text amended to include management measures for surface water intakes as well as wellhead protection areas 3) policy text amended to include new CLIA 4) applicable areas amended to align with 2021 Technical Rules threat subcategories	1) policy text amended to address existing and future infrastructure 2) policy text added for consideration of maintenance and cleaning schedules for stormwater management ponds 3) policy text added to address new CLIA approach 4) threat subcategories and vulnerability scores amended
2-8-F	1) policy text amended for consistent approach with neighbours 2) applicable areas amended to align with 2021 Technical Rules threat subcategories	1) Prohibition exemptions added 2) "wastewater collection facilities" replaces "Sewage Treatment Plants"
Agriculture		
3-1-E&F	1) policy text amended to align with 2021 Technical Rules threats subcategories 2) policy effectiveness	1) text amended to clarify "Category 1 NASM where it contains manure" 2) Policy text amended to highlight complementary policies
3-2-E&F	1) policy text amended to align with 2021 Technical Rules threats subcategories	1) text amended to clarify "Category 1 NASM where it contains manure"
3-3-E&F	1) policy text amended to align with 2021 Technical Rules threats subcategories	1) text amended to clarify "Category 1 NASM where it contains manure"
3-4-E&F	1) Policy effectiveness 2) Program Awareness	1) policy amended by splitting tasks of each ministry into separate policies to no longer address multiple implementing bodies - Policy applies only to OMARFA 2) Policy text amended to include reference to vulnerable areas
3-5-E&F	1) Policy effectiveness 2) Program Awareness	1) policy created by removing policy text from Policy 3-4-E&F directed at MECP and making it a policy - Policy applies to MECP 2) Policy text amended to include reference to vulnerable areas
3-6-E&F	1) policy gap related to Prescribed Instruments related to Pesticides	1) policy created to manage agricultural pesticide threats managed by pesticide permits
Non-Agricultural Commercial Fertilizer		
9-1-F	policy title amended to align with 2021 Technical Rules by removing out of date threats subcategories	"greater than 2500 kg or l" removed
9-2-E&F	policy title amended to align with 2021 Technical Rules by removing out of date threats subcategories	"greater than 2500 kg or l" removed
Non-Agricultural Pesticides		
10-1-E&F	local considerations	exemptions added to permitted use where low risk and benefiting human health
10-2-E&F	local considerations	policy text amended to clarify no RMP needed when on allowable list
10-4-E&F	policy gap	New policy created to manage non-agricultural pesticide threats managed by pesticide permits
11-1-E&F	local considerations	exemptions added to permitted use where low risk and benefiting human health
11-2-E&F	local considerations	policy text amended to clarify no RMP needed when on allowable list
11-4-E&F	policy gap	New policy created to manage non-agricultural pesticide threats managed by pesticide permits
Road Salt		
12-1-E&F	1) local considerations 2) 2021 Technical Rule amendments	1) policy text amended to clarify impervious surface areas the salt management needs to address 2) applicable areas amended to reflect lowered threat threshold in 2021 Technical Rules
12-2-E&F	2021 Technical Rule amendments	applicable areas amended to reflect lowered threat thresholds in 2021 Technical Rules
12-3-E&F	1) Policy effectiveness 2) local considerations 3) 2021 Technical Rule amendments	1) policy text amended to change land-use from "commercial" to "exclude personal/domestic use at a single-family dwelling" 2) policy text amended to include alternatives for consistency with neighboring SPAs 3) applicable areas amended to reflect lowered threat thresholds in 2021 Technical Rules

12-4-E&F	1) Policy effectiveness 2) 2021 Technical Rule amendments	1) policy text amended to change land-use from "commercial" to "exclude personal/domestic use at a single-family dwelling" 2) applicable areas amended to reflect lowered threat thresholds in 2021 Technical Rules
12-5-E&F	policy effectiveness/local considerations	New policy added requesting municipalities monitor sodium levels in the raw water during spring runoff/melt periods to align with neighbour SPAs and to gauge effectiveness of other road salt policies
13-1-F	2021 Technical Rule amendments	policy text amended to reflect circumstances in 2021 Technical Rules
13-2-E&F	2021 Technical Rule amendments	policy text amended to reflect circumstances in 2021 Technical Rules
<b>Snow Storage</b>		
14-1-F	2021 Technical Rule amendments	1) policy text amended to specify landuses industrial and commercial added to align with 2021 Technical Rules 2) Applicable areas updated to reflect lowered threshold for IPZs from 9 to 8
14-2-F	2021 Technical Rule amendments	1) Policy text amended to align with new prohibition policy 2) applicable areas updated to reflect lowered threshold for IPZs from 9 to 8
14-3-E	2021 Technical Rule amendments	new policy added to address existing Snow Disposal Sites governed by a Prescribed Instrument
14-4-F	2021 Technical Rule amendments	new policy added to address future Snow Disposal Sites governed by a Prescribed Instrument
14-5-E	2021 Technical Rule amendments	new policy added to address existing snow dumps with a risk management plan to reflect new snow storage circumstances in 2021 Technical Rules
14-6-F	2021 Technical Rule amendments/local considerations	new policy added to prohibit future snow dumps to reflect new snow storage circumstances in 2021 Technical Rules
14-7-E	2021 Technical Rule amendments/local considerations	new policy added to assess ability to assess and potentially move existing snow dumps in vulnerable areas
<b>Handling &amp; Storage of Fuel</b>		
15-1-F	1) Local considerations 2) 2021 Technical Rule amendments	1) exemptions added for consistency with neighboring SPAs 2) circumstances removed from policy title, text, and applicable areas to align with 2021 Technical Rules
15-2-F	2021 Technical Rule amendments	1) Policy was redundant due to 2021 Technical Rule amendments 2) Policy replaced with New policy added for risk management plans for tanks in IPZs
15-3-E	2021 Technical Rule amendments	circumstances removed from policy title, text, and applicable areas to align with 2021 Technical Rules
15-4-E	2021 Technical Rule amendments	circumstances removed from policy title, text, and applicable areas to align with 2021 Technical Rules
15-5-E&F	2021 Technical Rule amendments	circumstances removed from policy title, text, and applicable areas to align with 2021 Technical Rules
15-6-E	2021 Technical Rule amendments	circumstances removed from policy title, text, and applicable areas to align with 2021 Technical Rules
15-7-E&F	policy gap - Prescribed Instruments related to fuel in aggregate operations	New policy added to address fuel threats at aggregate operations
<b>Dense Non-Aqueous Phase Liquids</b>		
16-1-E&F	2021 Technical Rules amendments	policy text and applicable areas amended to include intake protection zones circumstances in 2021 Technical Rules
16-2-E&F	2021 Technical Rules amendments	policy text and applicable areas amended to include intake protection zones circumstances in 2021 Technical Rules
16-3-E&F	2021 Technical Rules amendments	policy text and applicable areas amended to include intake protection zones circumstances in 2021 Technical Rules
16-4-E	local considerations	new prescribed instrument DNAPL condition site policy created to address new DNAPL condition identified in Assessment Report updates
16-5-E	local considerations	new municipal DNAPL condition site policy created to address new DNAPL condition identified in Assessment Report updates
<b>The Establishment and Operation of a Liquid Hydrocarbon Pipeline</b>		
22-1-F	2017 Technical Rule amendments	new policy created to address new threat category
22-2-E&F	2017 Technical Rule amendments	new policy created to address new threat category
22-3-E	2017 Technical Rule amendments	new policy created to address new threat category





September 15, 2023

Dear Head of Council,

**Subject: Responding to the Housing Affordability Task Force's  
Recommendations**

As you know, in February 2022, the Housing Affordability Task Force delivered [its final report](#) with recommendations to help Ontario tackle the housing supply crisis and build at least 1.5 million homes by 2031. Including sub-items and appendices, the Task Force made 74 unique recommendations, some of which apply to all communities in Ontario, with others more specific to large and urban municipalities. While Ontario has made progress in acting on these recommendations — with 23 implemented to date helping to achieve the highest level of housing starts in over three decades — as the province grows at incredible speed, all levels of government need to do more.

To bring the dream of home ownership into reach for more people, I have asked my ministry to renew its efforts to review and, where possible, implement the Task Force's remaining recommendations with minimal delay. As part of that review, I am asking for you, as head of council, to prioritize your top five recommendations for future consideration. For these top five priorities, this could include your advice to revisit the way a recommendation has been implemented up to this point, as well as how some of the recommendations could or should be implemented with amendments.

Accompanying this letter, you will find a chart with space to rank the top five Task Force recommendations. While I know that some of the recommendations may not be applicable to all small, rural, and Northern communities, I ask that you rank those recommendations that you feel would be, or have been, the most useful in increasing housing supply in your community.

As we look to do more to solve the housing supply and affordability crisis together, it's important for the province to have a full understanding of our municipal partners' positions on these recommendations as quickly as possible. I ask that you **please return the completed chart to [housingsupply@ontario.ca](mailto:housingsupply@ontario.ca) no later than October 16, 2023.**

I look forward to continuing our work together to ensure that more people can afford a place to call home.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Paul Calandra', with a stylized flourish at the end.

The Hon. Paul Calandra  
Minister of Municipal Affairs and Housing

- c: Hon. Rob Flack, Associate Minister of Housing
- Kirstin Jensen, Interim Chief of Staff, Minister's Office
- Martha Greenberg, Deputy Minister
- Joshua Paul, Assistant Deputy Minister, Market Housing Division
- Sean Fraser, Assistant Deputy Minister, Planning and Growth Division
- Caspar Hall, Assistant Deputy Minister, Local Government Division

Attachment:

Top Five Housing Affordability Task Force (HATF) Recommendations for Response

**Attachment: Top Five Housing Affordability Task Force (HATF) Recommendations for Response**

<b>Please identify the top 5 HATF recommendations that you support, and rationale / comments</b>	
1.	
2.	
3.	
4.	
5.	

**Ministry of the  
Environment,  
Conservation and Parks**  
Eastern Region  
Belleville Area Office  
345 College Street East  
Belleville ON K8N 5S7

**Ministère de l'Environnement,  
de la Protection de la nature  
et des Parcs**  
Région de l'Est  
Bureau du secteur de Belleville  
345, rue College Est  
Belleville (Ontario) K8N 5S7



September 19, 2023

**Sent by Email: gmaracle@deseronto.ca**

Gail Maracle  
Clerk  
Town of Deseronto  
331 Main St. P.O. Box 310  
Deseronto, ON K0K 1X0

Dear: Gail Wallace

Re: 2023-24 Inspection Report

The enclosed report documents findings of the inspection that was performed at the Deseronto drinking water system on July 19, 2023.

One section of the report, namely "Non-compliance/Non-conformance Items", if found, may cite due dates for the submission of information or plans to my attention.

Please note that Non-compliance Items are linked to incidents of non-compliance with regulatory requirements contained within an act, a regulation, or site-specific approvals, licenses, permits, orders, or instructions. Such violations may result in the issuance of mandatory abatement instruments which could include orders, tickets, penalties, or referrals to the Ministry's Environmental Enforcement and Compliance Office.

Non-conformance Items convey information that the owner or operating authority should consider implementing in order to advance efforts already in place to address such issues as emergency preparedness, the fulsome availability of information to consumers, and conformance with existing and emerging industry standards. Please note that items which appear as recommended actions do not, in themselves, constitute violations.

Section 19 of the Safe Drinking Water Act (Standard of Care) creates a number of obligations for individuals who exercise decision-making authority over municipal drinking water systems. Please be aware that the Ministry has encouraged such individuals, particularly municipal councilors, to take steps to be better informed about the drinking water systems over which they have decision-making authority. These steps could include asking for a copy of this inspection report and a review of its findings. Further information about Section 19 can be found in "Taking Care of Your Drinking Water: A Guide for Members of Municipal Councils" on the Drinking Water Ontario website at <https://www.ontario.ca/environment-and-energy/taking-care-your-drinking-water-guide-members-municipal-councils>.

The IRR is a summarized quantitative measure of the drinking water system's annual inspection and is published in the Ministry's Chief Drinking Water Inspector's Annual Report. The Risk Methodology document describes the risk rating methodology which has been applied to the findings of the Ministry's municipal residential drinking water system inspection results.

If you have any questions or concerns regarding the rating, please contact Mahmod Mahmod, Acting Water Compliance Supervisor, at 613-548-6934.

Thank you for the assistance afforded to me during the conduct of the compliance assessment.

Should you have any questions regarding the content of the enclosed report, please do not hesitate to contact me.

Best Regards,

A handwritten signature in black ink, appearing to be 'SY', with a period at the end.

Sarah Young  
Water Compliance Inspector / Provincial Officer 1888

Enclosure

-Natalie Iezzi, Process & Compliance Technician Kawartha-Trent Regional Hub, Ontario Clean Water Agency, Nlezzi@ocwa.com

- Ethan Toumishey, Medical Officer of Health, Hasting and Prince Edward County Health Unit, moh@hpeph.ca

- Catherine Lovell, Executive Assistant to the Medical Officer of Health, Hasting and Prince Edward County Health Unit, clovell@hpeph.ca

-Amy Dickens, Source Water Protection, Quinte Conservation Authority adickens@quinteconservation.ca

File SI-HA-DS-WA-540 (2023-2024)



DESERONTO DRINKING WATER SYSTEM  
322 WATER ST, DESERONTO, ON, K0K 1X0  
**INSPECTION REPORT**

System Number: 220001593  
Entity: CORPORATION OF THE TOWN  
OF DESERONTO  
Inspection Start Date: July 19, 2023  
Inspection End Date: August 18, 2023  
Inspected By: Sarah Young  
Badge #: 1888



---

(signature)

## INTRODUCTION

### **Purpose**

The primary focus of this inspection is to confirm compliance with Ministry of the Environment, Conservation and Parks (MECP) legislation as well as evaluating conformance with ministry drinking water policies and guidelines during the inspection period. The ministry utilizes a comprehensive, multi-barrier approach in the inspection of water systems that focuses on the source, treatment, and distribution components as well as management practices.

This drinking water system is subject to the legislative requirements of the Safe Drinking Water Act, 2002 (SDWA) and regulations made therein, including Ontario Regulation 170/03, "Drinking Water Systems" (O. Reg. 170/03). This inspection has been conducted pursuant to Section 81 of the SDWA.

This inspection report does not suggest that all applicable legislation and regulations were evaluated. It remains the responsibility of the owner to ensure compliance with all applicable legislative and regulatory requirements

### **Scope**

On July 19 2023; Provincial Officer Sarah Young with the Ministry of the Environment, Conservation and Parks (the Ministry) conducted an unannounced focused inspection of the Deseronto Drinking Water System #220001593 (the System), accompanied by Natalie Lezzi, Process Compliance Technician with Ontario Clean Water Agency (OCWA) who are the temporary Accredited Operating Authority (OA) for the System, and the The Corporation of the Town of Deseronto is the Owner of the system. The System's inspection included a physical inspection of the treatment plant, distribution system and a compliance assessment of all applicable legislation and legal documents. The inspection period covered from July 14, 2022 to July 19, 2023.

Documents reviewed in association with this report included, but were not limited to:

1. Municipal Drinking Water Licence Number 154-101 Issue Number: 4 (MDWL) dated October 22, 2021;
2. Drinking Water Works Permit Number 154-201 Issue Number: 4 (DWWP) dated October 22, 2021;
3. Permit to Take Water Number 6262-98DPFG (PTTW) dated June 6, 2013 and
4. Other documents/records maintained by the owner/operating authority for the inspection period were also reviewed in conjunction with this report.

The previous drinking water compliance inspection was conducted on July 14, 2022 and cited no non-compliance items or best management practices.

## Facility Contacts and Dates

Gail Maracle, Town Clerk  
The Corporation of the Town of Deseronto  
gmaracle@deseronto.ca

Natalie Iezzi  
Process & Compliance Technician  
Kawartha-Trent Regional Hub  
Ontario Clean Water Agency  
Nlezzi@ocwa.com

Ethan Toumishey, Medical Officer of Health,  
Hasting and Prince Edward County Health Unit  
moh@hpeph.ca

Catherine Lovell  
Executive Assistant to the Medical Officer of Health  
Hasting and Prince Edward County Health Unit  
clovell@hpeph.ca  
ehfax1@hpeph.ca

Amy Dickens  
Source Water Protection  
Quinte Conservation Authority  
adickens@quinteconservation.ca

## Systems/Components

The DWWP Schedule A: Drinking Water Description:

### Intake Facility:

Raw water intake system extending into Bay of Quinte consisting of 400 mm diameter intake pipe and intake crib with flared elbow intake located approximately 480 m offshore. Low Lift Pumping Station: A low lift pumping station located approximately 400 m south of the treatment plant building; consisting of:

- six (6) manual clean wire mesh screens,
- one (1) low lift wet well;
- three (3) centrifugal pumps each at 1,020 L /min. at 19.25 m TDH, all connected to a 250 mm diameter common discharge header,
- a gaseous chlorine disinfection system consist of a gas chlorinator at 0.19 kg/hr., vacuum regulators, an automatic cylinder switch-over system, weight scales, controls, alarm and two



feed lines discharging to intake crib (zebra mussels control) and low lift discharge header, and  
- approximately 400 m of 250 mm PVC pipe running parallel to a 250 mm HDPE pipe from the low lift building to the water treatment plant including valves at the low lift building and the water treatment plant to permit the operation of either pipe.

**Pre-chlorine contact chamber:**

A chlorine reaction tank complete with intra-basin baffles measuring 21.3 m x 1.1 m x 5.6 m side water depth (SWD).

**Dissolved Air Flotation (DAF):**

- Two (2) DAF trains, each complete with two (2) flocculation chambers and one (1) dissolved air flotation chamber, each rated at 2,210 m<sup>3</sup>/d,
- Each train 9.68 m x 2.40 m with a water depth of 2.7 m,
- An air system comprising duplex compressor unit and one pressure tank,
- A skid mounted recirculation pumping system comprising two (2) duty and one (1) standby pumps,
- Two (2) saturation tanks,
- One (1) static mixer for coagulant mixing prior to DAF trains.

**Gravity Filter:**

- Three (3) deep bed dual media (GAC of 1.53 m /sand of 0.3 m) gravity filters with air scour backwash systems,
- Each filter with a surface area of 7.3 m<sup>2</sup>,
- One (1) horizontal centrifugal backwash pump rated at 100 L/s at a TDH of 17.2 m,
- One (1) air blower, rated at 236 scfm /401 m<sup>3</sup>/h at 31 kPa pressure,
- A standby backwash using pressured water from HLP's discharge header, with a manual butterfly valve and a pressure control valve for regulating the flow and the pressure. Filtered water discharge to the post Chlorine Contact Chamber.

**Chemical Addition:**

- Coagulation feed system upstream of the two (DAF) Dissolved Air Flotation Tanks with Three (3) metering pumps (duty and standby) each capable of 24 L/hr and One (1) day tank.
- Polymer feed system at Dissolved Air Flotation Tanks with two (2) metering pumps (duty and standby) each capable of 29.2 L/hr, and One (1) day tank.
- Gaseous chlorine addition for disinfection at Chlorine contact chamber influent line with A gaseous chlorine disinfection system consist of a gas chlorinator at 0.47 kg/hr., vacuum regulators, an automatic cylinder switch-over system, weight scales, controls and alarm.

**Process Waste Equalization Tank:**

- One (1) 130 m<sup>3</sup> equalization tank for wastewater from filter backwash,
- Two (2) centrifugal pumps (duty and standby) each at 3.6 L/s at 10 m TDH for discharging to the settling tank,

- One (1) 76 mm submersible pump (standby) at 1.9 L/s at 9 m TDH for discharging to the municipal wastewater treatment plant

Process Waste Settling Tank:

- One (1) settling tank for wastewater from filter backwash,
- 3.3 m in diameter Gravity system for discharging supernatant to Bay of Quinte
- An automatic sludge transfer system to the municipal wastewater treatment plant

Chlorine Contact Chamber:

- One (1) chlorine contact tank complete with intra-basin baffles 21.3 m x 1.1m x 5.6 m SWD,
- discharges to the clearwell then to distribution system

**NON-COMPLIANCE**

The following item(s) have been identified as non-compliance, based on a "No" response captured for a legislative question(s). For additional information on each question see the Inspection Details section of the report.

**Ministry Program:** DRINKING WATER | **Regulated Activity:** DW Municipal Residential

Item	Question	Compliance Response/Corrective Action(s)
NC-1	<p><b>Question ID:</b> DWMR1113000</p> <p>Have all changes to the system registration information been provided to the Ministry within ten (10) days of the change?</p>	<p>All changes to the system registration information were not provided within ten (10) days of the change.</p> <p>Action Required: No later than October 16, 2023; the Owner shall updated the system registration information with the correct information, and provided written confirmation to Provincial Officer Sarah Young.</p>

## RECOMMENDATIONS

This should not be construed as a confirmation of full conformance with all potential applicable BMPs. These inspection findings are limited to the components and/or activities that were assessed, and the legislative framework(s) that were applied. It remains the responsibility of the owner to ensure compliance with all applicable legislative and regulatory requirements.

If you have any questions related to this inspection, please contact the signed Provincial Officer.

### INSPECTION DETAILS

This section includes all questions that were assessed during the inspection.

**Ministry Program:** DRINKING WATER | **Regulated Activity:** DW Municipal Residential

Question ID	DWMR1000000	Question Type	Information
<b>Legislative Requirement(s):</b> Not Applicable			
<b>Question:</b> Does this drinking water system provide primary disinfection?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> This drinking water system provides for both primary and secondary disinfection and distribution of water.  Primary disinfection is provided by a gaseous chlorine disinfection system and dissolved air flotation (DAF) filtration systems.			

Question ID	DWMR1012000	Question Type	Legislative
<b>Legislative Requirement(s):</b> SDWA   31   (1);			
<b>Question:</b> Does the owner have a harmful algal bloom monitoring plan in place that meets the requirements of the MDWL?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> The owner had a harmful algal bloom monitoring plan in place.  The monitoring program entails a weekly visual of source water and weekly raw and treated water samples collection between June and October, and tested for Microcystin-LR and other algae related compounds. The plan also indicates, documentation requirements in the facility log book for monitoring weekly observations; HAB Present or HAB Absent. Also the plan indicates a harmful algal bloom is considered suspected or occurring when "two consecutive raw water samples have microcystin concentrations above 5 ug/l or a single raw water sample has a concentration above 10 ug/l and/or if two consecutive treated water samples have microcystin concentrations above 0.5 ug/l or if a single sample is above 0.75 ug/l "  During the inspection period all raw water microcystins samples collected were between 0.15 to 1.72 ug/L and treated water samples were below the level of detection (<0.15 ug/L). The System's DAF treatment process is designed to help treat/remove excessive algae which is known to appear/form in the Bay of Quinte.  The MDWL Schedule C Section 6 Studies Required indicates: 6.3 The Plan described in condition 6.1 must include, at a minimum:			

6.3.1 details relating to visual monitoring for harmful algal blooms at or near the drinking water system intake(s),  
a) as described in drinking water works permit # 154-201, or  
b) where the intake has an Intake Protection Zone in a source protection plan, within IPZ-1, or  
c) within a circle that has a radius, measured from the intake, equal to the distance from the intake to the farthest edge of IPZ-2.  
6.3.2 details relating to visual monitoring of shoreline; this is applicable to drinking water systems where the proximity of the intake(s) may be of concern.  
6.3.3 details relating to reporting the observed or suspected harmful algal bloom, as described in section 6.2:  
a) to the Overall Responsible Operator(s) and/or Operator(s)-in-Charge if the blooms have been observed or suspected by a duty operator; the Plan shall include wording that directs relevant drinking water staff to follow the instructions provided by the Overall Responsible Operator(s) or the Operator(s)-in-Charge;  
b) to the medical officer of health; and  
c) to the local MECP representative and the Ministry's Spills Action Centre.,  
6.3.4 a sampling plan, including the identification of sample location(s) and frequencies that at a minimum match those described in condition 6.4.  
6.3.5 triggers that may increase the required sampling frequency;  
6.3.6 up-to-date records that document staff training on the harmful algal bloom monitoring, reporting, and sampling procedures.

Question ID	DWMR1014000	Question Type	Legislative
<b>Legislative Requirement(s):</b> SDWA   31   (1);			
<b>Question:</b> Is there sufficient monitoring of flow as required by the MDWL or DWWP issued under Part V of the SDWA?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> There was sufficient monitoring of flow as required by the Municipal Drinking Water Licence or Drinking Water Works Permit issued under Part V of the SDWA.  The following Flow measuring devices were observed during the site inspection : - One (1) Flowmeter on raw water header to two (2) dissolved air flotation tanks, - Three (3) Flowmeters, one (1) on each filter effluent pipe, and - One (1) Flowmeter on treated water outlet to distribution system.  The MDWL Schedule C 2.0 prescribes Flow Measurement and Recording Requirements: 2.1 For each treatment subsystem identified in column 1 of Table 1 and in addition to any other flow measurement and recording that may be required, continuous flow measurement and recording shall be undertaken for: 2.1.1 The flow rate (L/s) and daily volume (m3 /day) of treated water that flows from the treatment subsystem to the distribution system. 2.1.2 The flow rate (L/s) and daily volume (m3 /day) of water that flows into the treatment			

subsystem.

Records provided indicated all flow meters were verified and calibrated on September 8, 2022 by Tower Electronics Canada, in accordance with the MDWL Schedule C.

Question ID	DWMR1016000	Question Type	Legislative
<b>Legislative Requirement(s):</b> SDWA   31   (1);			
<b>Question:</b> Is the owner in compliance with the conditions associated with maximum flow rate or the rated capacity conditions in the MDWL issued under Part V of the SDWA?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> The owner was in compliance with the conditions associated with maximum flow rate or the rated capacity conditions in the Municipal Drinking Water Licence issued under Part V of the SDWA.  Schedule C of the MDWL Section 1.0 System Performance: Rated Capacity indicates a maximum daily volume of treated water that flows from the treatment subsystem to the distribution shall not exceed the rated capacity of 2,946 m <sup>3</sup> /day.  Records provided for review indicated a maximum treated flow of 2,603 m <sup>3</sup> /d on May 17, 2023; which represents 88% of the systems rated capacity. The reported 2022 Average Daily Flow was recorded at 1246 m <sup>3</sup> /day, which represents 42% of the systems rated capacity.			

Question ID	DWMR1018000	Question Type	Legislative
<b>Legislative Requirement(s):</b> SDWA   31   (1);			
<b>Question:</b> Has the owner ensured that all equipment is installed in accordance with Schedule A and Schedule C of the Drinking Water Works Permit?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> The owner had ensured that all equipment was installed in accordance with Schedule A and Schedule C of the Drinking Water Works Permit.  During the site inspection equipment appeared to be installed in accordance with the DWWP Schedule A- System Description.  The DWWP Schedule D Process Flow Diagram did not include: filter flowmeters, process waste settling tank, and overflow tanks prior to filters. The DWWP Schedule A- Instrumentation and Control; SCADA System Process Analyzer Locations did not included the pre-chlorine contact chamber analyzer (before the DAF system) and the distribution analyzer located in the low lift pumping station.			

The Ministry recommends the items be included in the next issuance or amendment of the DWWP.

Question ID	DWMMR1025000	Question Type	Legislative
<b>Legislative Requirement(s):</b> SDWA   31   (1);			
<b>Question:</b> Were all parts of the drinking water system that came in contact with drinking water (added, modified, replaced or extended) disinfected in accordance with a procedure listed in Schedule B of the Drinking Water Works Permit?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> All parts of the drinking water system were disinfected in accordance with a procedure listed in Schedule B of the Drinking Water Works Permit.  The O/OA utilizes a Water Distribution System Repair Log, which states: A Distribution System Repair Log Sheet shall be completed for any maintenance conducted on water distribution mains and services and repairs shall conform to the requirements of the Watermain Disinfection Procedure (Procedure) dated August 1, 2020.  The DWWP Schedule B 2.3 indicates: 2.3 All parts of the drinking water system in contact with drinking water that are added, modified, replaced, extended shall be disinfected in accordance with a procedure approved by the Director or in accordance with the applicable provisions of the following documents: a) Until April 21, 2022 the ministry's Watermain Disinfection Procedure, dated November 2015. As of April 22, 2022 the ministry's Watermain Disinfection Procedure, dated August 1, 2020; b) Subject to condition 2.3.2, any updated version of the ministry's Watermain Disinfection Procedure; c) AWWA C652 – Standard for Disinfection of Water-Storage Facilities; d) AWWA C653 – Standard for Disinfection of Water Treatment Plants; and e) AWWA C654 – Standard for Disinfection of Wells.			

Question ID	DWMMR1023000	Question Type	Legislative
<b>Legislative Requirement(s):</b> SDWA   O. Reg. 170/03   1-2   (2);			
<b>Question:</b> Do records indicate that the treatment equipment was operated in a manner that achieved the design capabilities required under Ontario Regulation 170/03 or a DWWP and/or MDWL issued under Part V of the SDWA at all times that water was being supplied to consumers?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> Records indicated that the treatment equipment was operated in a manner that achieved the design capabilities required under O. Reg. 170/03 or a Drinking Water Works Permit and/or Municipal Drinking Water Licence issued under Part V of the SDWA at all times that water was			



being supplied to consumers.

All municipal drinking water systems that obtain water from a 'surface water' supply must provide a minimum level of treatment consisting of chemically assisted filtration and disinfection to ensure adequate level of removal or inactivation of pathogenic organisms that may be present in raw surface water, in accordance with Procedure for Disinfection of Drinking Water in Ontario.

The treatment facility is capable of achieving an overall performance that provides at a minimum 4-log removal or inactivation of viruses, 3-log removal or inactivation of Giardia cysts, and 2-Log removal or inactivation of Cryptosporidium oocysts, as per MDWL Schedule E: Pathogen Log Removal/Inactivation Credits.

Based on a review of the operational records, including flow rates, filter effluent turbidities, coagulant dosages, chlorine residuals, and logbook entries; indicates the system appeared to be operated in a manner that achieved the design capabilities.

Question ID	DWMR1024000	Question Type	Legislative
<b>Legislative Requirement(s):</b> SDWA   O. Reg. 170/03   1-2   (2);			
<b>Question:</b> Do records confirm that the water treatment equipment which provides chlorination or chloramination for secondary disinfection purposes was operated as required?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> Records confirmed that the water treatment equipment which provides chlorination or chloramination for secondary disinfection purposes was operated so that at all times and all locations in the distribution system the chlorine residual was never less than 0.05 mg/l free or 0.25 mg/l combined.  The drinking water system does not have any points for chemical addition within the distribution system. Secondary disinfection is achieved through the monitoring and maintenance of the free chlorine residual within the distribution system. Documents reviewed during the inspection period indicated a minimum free chlorine residual of 0.70 mg/L on June 30, 2023 from the continuously chlorine analyzer located at the Low Lift Pumping Station. Records also indicated a minimum free chlorine residual of 0.49 mg/l from a grab sample located at the North Sample Hydrant (Brant St) on August 9, 2022.			

Question ID	DWMR1033000	Question Type	Legislative
<b>Legislative Requirement(s):</b> SDWA   O. Reg. 170/03   7-2   (3); SDWA   O. Reg. 170/03   7-2   (4);			
<b>Question:</b> Is the secondary disinfectant residual measured as required for the large municipal residential distribution system?			

**Compliance Response(s)/Corrective Action(s)/Observation(s):**

The secondary disinfectant residual was measured as required for the large municipal residential distribution system.

A record review confirms the distribution free chlorine residual is monitored continuously at the low lift pumping station . Free chlorine residuals are also monitored at sampling locations throughout the distribution system (North, East and West sample hydrants).

<b>Question ID</b>	DWMR1030000	<b>Question Type</b>	Legislative
<b>Legislative Requirement(s):</b> SDWA   O. Reg. 170/03   7-2   (1); SDWA   O. Reg. 170/03   7-2   (2);			
<b>Question:</b> Is primary disinfection chlorine monitoring being conducted at a location approved by MDWL and/or DWWP issued under Part V of the SDWA, or at/near a location where the intended CT has just been achieved?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> Primary disinfection chlorine monitoring was conducted at a location approved by Municipal Drinking Water Licence and/or Drinking Water Works Permit issued under Part V of the SDWA, or at/near a location where the intended CT has just been achieved.  During the inspection a continuous free chlorine residual analyzer was located after the post chlorine contact chamber and highlift pumps (SCADA TAG AIT403), in accordance with DWWP Schedule A Instrumentation and Control - Two (2) free chlorine analyzers, one (1)downstream of post chlorine addition prior to entering post contact tank and one (1) on treated water outlet to distribution system.			

<b>Question ID</b>	DWMR1032000	<b>Question Type</b>	Legislative
<b>Legislative Requirement(s):</b> SDWA   O. Reg. 170/03   7-3   (2);			
<b>Question:</b> If the drinking water system obtains water from a surface water source and provides filtration, is continuous monitoring of each filter effluent line being performed for turbidity?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> Continuous monitoring of each filter effluent line was being performed for turbidity.			

<b>Question ID</b>	DWMR1035000	<b>Question Type</b>	Legislative
<b>Legislative Requirement(s):</b> SDWA   O. Reg. 170/03   6-5   (1)1-4; SDWA   O. Reg. 170/03   6-5   (1)5-10;			
<b>Question:</b> Are operators examining continuous monitoring test results and are they examining the results			

within 72 hours of the test?

**Compliance Response(s)/Corrective Action(s)/Observation(s):**

Operators were examining continuous monitoring test results and they were examining the results within 72 hours of the test.

OCWA indicated the operators are at the system daily (weekends included) and review the "Daily Print Outs" which covers midnight to midnight continuous monitoring data and retain documents onsite, and documents were provided for review.

Question ID	DWMMR1038000	Question Type	Legislative
<b>Legislative Requirement(s):</b>			
SDWA   O. Reg. 170/03   6-5   (1)1-4;			
<b>Question:</b>			
Is continuous monitoring equipment that is being utilized to fulfill O. Reg. 170/03 requirements performing tests for the parameters with at least the minimum frequency specified in the Table in Schedule 6 of O. Reg. 170/03 and recording data with the prescribed format?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b>			
Continuous monitoring equipment that was being utilized to fulfill O. Reg. 170/03 requirements was performing tests for the parameters with at least the minimum frequency specified in the Table in Schedule 6 of O. Reg. 170/03 and recording data with the prescribed format.			
The O/OA indicated a 5 minute recording frequency on the continuous monitoring equipment.			

Question ID	DWMMR1037000	Question Type	Legislative
<b>Legislative Requirement(s):</b>			
SDWA   O. Reg. 170/03   6-5   (1)1-4; SDWA   O. Reg. 170/03   6-5   (1)5-10; SDWA   O. Reg. 170/03   6-5   (1.1);			
<b>Question:</b>			
Are all continuous monitoring equipment utilized for sampling and testing required by O. Reg. 170/03, or MDWL or DWWP or order, equipped with alarms or shut-off mechanisms that satisfy the standards described in Schedule 6?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b>			
All continuous monitoring equipment utilized for sampling and testing required by O. Reg. 170/03, or Municipal Drinking Water Licence or Drinking Water Works Permit or order, were equipped with alarms or shut-off mechanisms that satisfy the standards described in Schedule 6.			
The following alarm set points were active during the inspection period:			
Pre-CI2 High High @ 1.0 mg/L			
Pre-clearwell CI2 Low Low @ 1.30 mg/L			
Treated CI2 Low @ 1.0 mg/L			
Treated CI2 Low Low @ 0.9 mg/L			
Treated CI2 High High @ 3.0 mg/L			

Filter High Turbidity High (1, 2, 3) @ 0.26 NTU (sends filter into backwash)  
 Filter High Turbidity High High (1, 2, 3) @ 0.28 NTU (shuts down filter)  
 Treated High Turbidity @1.0 NTU  
 Standpipe Low Low Level @ 80'  
 Standpipe High High Level @ 117'  
 Clearwell Low Low Level @ 3.0 m  
 Clearwell High High Level @ 5.3 m

**Interlocks:**

Raw Water Pumps (plant production) will not start or will stop if running under the following circumstances: raw water flow meter device fault, low lift pump flow high, overflow chamber high level, clearwell high level, treated water low Cl<sub>2</sub>, treated water high turbidity, waste sump level high, post Cl<sub>2</sub> solenoids not open when filters running, post chlorinator high or low vacuum, any polymer pump fault or speed deviation, DAF turbidity high, coagulant pumps alarm condition, no filters available, raw water well low level, RPU 100 power failure, communications failure between plant and low lift building.

Question ID	DWMR1040000	Question Type	Legislative
<b>Legislative Requirement(s):</b>			
SDWA   O. Reg. 170/03   6-5   (1)1-4; SDWA   O. Reg. 170/03   6-5   (1)5-10;			
<b>Question:</b>			
Are all continuous analysers calibrated, maintained, and operated, in accordance with the manufacturer's instructions or the regulation?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b>			
All continuous analysers were calibrated, maintained, and operated, in accordance with the manufacturer's instructions or the regulation.			
Documents reviewed indicated continuous analyzers were checked and calibrated at quarterly and recorded in the facility logbook and the Towns Schedule Work Order systems, accordance with O.Reg 170/03 Schedule 6-5 (1)1-4.			

Question ID	DWMR1108000	Question Type	Legislative
<b>Legislative Requirement(s):</b>			
SDWA   O. Reg. 170/03   6-5   (1)1-4; SDWA   O. Reg. 170/03   6-5   (1)5-10; SDWA   O. Reg. 170/03   6-5   (1.1);			
<b>Question:</b>			
Where continuous monitoring equipment used for the monitoring of free chlorine residual, total chlorine residual, combined chlorine residual or turbidity, required by O. Reg. 170/03, an Order, MDWL, or DWWP issued under Part V, SDWA, has triggered an alarm or an automatic shut-off, did a qualified person respond in a timely manner and take appropriate actions?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b>			
Where required continuous monitoring equipment used for the monitoring of chlorine residual			

and/or turbidity triggered an alarm or an automatic shut-off, a qualified person responded in a timely manner and took appropriate actions.

A review of the after hours/weekend call-out records appears to confirm that all alarm triggers and shut-offs were responded to in a timely manner and appropriate actions were taken by the operator.

Question ID	DWMR1099000	Question Type	Information
<b>Legislative Requirement(s):</b> Not Applicable			
<b>Question:</b> Do records show that all water sample results taken during the inspection review period did not exceed the values of tables 1, 2 and 3 of the Ontario Drinking Water Quality Standards (O. Reg. 169/03)?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> Records showed that all water sample results taken during the inspection review period did not exceed the values of tables 1, 2 and 3 of the Ontario Drinking Water Quality Standards (O. Reg. 169/03).  One water sample was reported over the O.Reg Ontario Drinking Water Quality Standards, resulting in an Adverse Water Quality Incident (AWQI) #162341 on June 28, 2023 reporting 1 total coliform (limit is 0 cfu//non detect).			

Question ID	DWMR1081000	Question Type	Legislative
<b>Legislative Requirement(s):</b> SDWA   O. Reg. 170/03   10-2   (1); SDWA   O. Reg. 170/03   10-2   (2); SDWA   O. Reg. 170/03   10-2   (3);			
<b>Question:</b> For LMR systems, are all microbiological water quality monitoring requirements for distribution samples being met?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> All microbiological water quality monitoring requirements prescribed by legislation for distribution samples in a large municipal residential system were being met.  During the inspection period, 12 distribution samples were collected per monthly, with at least one of the samples being taken in each week and analyzed for E-Coli (EC), Total Coliforms (TC) and heterotrophic plate count (HPC) in accordance with Schedule 10-2 of O.Reg 170/03.  During the inspection period, EC and TC samples results from 0-1 CFU/100 ml and/or "non? detect", and HPC ranged from 10-30 CFU /1mL.			

Question ID	DWMR1083000	Question Type	Legislative
<b>Legislative Requirement(s):</b>			

SDWA | O. Reg. 170/03 | 10-3;

**Question:**

For LMR systems, are all microbiological water quality monitoring requirements for treated samples being met?

**Compliance Response(s)/Corrective Action(s)/Observation(s):**

All microbiological water quality monitoring requirements prescribed by legislation for treated samples were being met.

During the inspection period, at least 1 treated sample was collected per week and analyzed for EC, TC and HPC in accordance with Schedule 10-3 of O.Reg 170/03.

During the inspection period, EC and TC samples results were 0 CFU/100 ml and/or "non? detect", and HPC ranged from 10-170 CFU /1mL.

<b>Question ID</b>	DWMR1096000	<b>Question Type</b>	Legislative
<b>Legislative Requirement(s):</b> SDWA   O. Reg. 170/03   6-3   (1);			
<b>Question:</b> Do records confirm that chlorine residual tests are being conducted at the same time and at the same location that microbiological samples are obtained?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> Records confirmed that chlorine residual tests were being conducted at the same time and at the same location that microbiological samples were obtained.			

<b>Question ID</b>	DWMR1084000	<b>Question Type</b>	Legislative
<b>Legislative Requirement(s):</b> SDWA   O. Reg. 170/03   13-2;			
<b>Question:</b> Are all inorganic water quality monitoring requirements prescribed by legislation conducted within the required frequency?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> All inorganic water quality monitoring requirements prescribed by legislation were conducted within the required frequency.  The most recent Schedule 23 inorganic parameters collected from a treated water sample was on January 10, 2023; previously sampled on January 11, 2022; in accordance with Schedule 13-2, O.Reg 170/03.			

<b>Question ID</b>	DWMR1085000	<b>Question Type</b>	Legislative
<b>Legislative Requirement(s):</b>			

SDWA | O. Reg. 170/03 | 13-4 | (1); SDWA | O. Reg. 170/03 | 13-4 | (2); SDWA | O. Reg. 170/03 | 13-4 | (3);

**Question:**

Are all organic water quality monitoring requirements prescribed by legislation conducted within the required frequency?

**Compliance Response(s)/Corrective Action(s)/Observation(s):**

All organic water quality monitoring requirements prescribed by legislation were conducted within the required frequency.

The most recent Schedule 24 inorganic parameters collected from a treated water sample was on January 10, 2023; previously sampled on January 11, 2022; in accordance with Schedule 13-4, O.Reg 170/03.

Question ID	DWMR1086000	Question Type	Legislative
<b>Legislative Requirement(s):</b>			
SDWA   O. Reg. 170/03   13-6.1   (1); SDWA   O. Reg. 170/03   13-6.1   (2); SDWA   O. Reg. 170/03   13-6.1   (3); SDWA   O. Reg. 170/03   13-6.1   (4); SDWA   O. Reg. 170/03   13-6.1   (5); SDWA   O. Reg. 170/03   13-6.1   (6);			
<b>Question:</b>			
Are all haloacetic acid water quality monitoring requirements prescribed by legislation conducted within the required frequency and at the required location?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b>			
All haloacetic acid water quality monitoring requirements prescribed by legislation were conducted within the required frequency and at the required location.			
During the inspection period, Haloacetic Acids(HAAs) samples were collected from the distribution system on the following dates:			
4-July-23 @ 53.5 UG/L			
4-Apr-23 @ 45.8 UG/L			
10-Jan-23 @ 44.9 UG/L			
4-Oct-22 @ 58.4 UG/L			

Question ID	DWMR1087000	Question Type	Legislative
<b>Legislative Requirement(s):</b>			
SDWA   O. Reg. 170/03   13-6   (1); SDWA   O. Reg. 170/03   13-6   (2); SDWA   O. Reg. 170/03   13-6   (3); SDWA   O. Reg. 170/03   13-6   (4); SDWA   O. Reg. 170/03   13-6   (5); SDWA   O. Reg. 170/03   13-6   (6);			
<b>Question:</b>			
Have all trihalomethane water quality monitoring requirements prescribed by legislation been conducted within the required frequency and at the required location?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b>			

All trihalomethane water quality monitoring requirements prescribed by legislation were conducted within the required frequency and at the required location.

During the inspection period, trihalomethane (THMs) samples were collected from the distribution system on the following dates:

12-July-23 @76 UG/L  
4-Apr-23 @ 50 UG/L  
10-Jan-23 @ 57 UG/L  
4-Oct-22 @ 54 UG/L

Question ID	DWMR1088000	Question Type	Legislative
<b>Legislative Requirement(s):</b> SDWA   O. Reg. 170/03   13-7;			
<b>Question:</b> Are all nitrate/nitrite water quality monitoring requirements prescribed by legislation conducted within the required frequency for the DWS?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> All nitrate/nitrite water quality monitoring requirements prescribed by legislation were conducted within the required frequency.  During the inspection period, treated samples were collected and analyzed for nitrates/nitrites in accordance with Schedule 13.7 of O.Reg 170/03 on the following dates:  12-July -23 4-Apr-23 17-Jan-23 4-Oct-22			

Question ID	DWMR1089000	Question Type	Legislative
<b>Legislative Requirement(s):</b> SDWA   O. Reg. 170/03   13-8;			
<b>Question:</b> Are all sodium water quality monitoring requirements prescribed by legislation conducted within the required frequency?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> All sodium water quality monitoring requirements prescribed by legislation were conducted within the required frequency.  O. Reg. 170/03 Schedule 13-8 requires that a test for sodium is conducted every 60 months. The last sample collected on January 21, 2020, provided a result of 12.1 mg/L, which is below the reportable limit of 20 mg/L.			



Question ID	DWMMR1090000	Question Type	Legislative
<b>Legislative Requirement(s):</b> SDWA   O. Reg. 170/03   13-9;			
<b>Question:</b> Where fluoridation is not practiced, are all fluoride water quality monitoring requirements prescribed by legislation conducted within the required frequency?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> All fluoride water quality monitoring requirements prescribed by legislation were conducted within the required frequency.  O. Reg. 170/03 Schedule 13-9 requires that a test for fluoride is conducted every 60 months. The most recent Fluoride sample was collected on January 11, 2022 previously collected on January 14, 2020 with a result of 0.4 mg/L; in accordance with Schedule 13-9 of O.Reg 170/03.			

Question ID	DWMMR1094000	Question Type	Legislative
<b>Legislative Requirement(s):</b> SDWA   31   (1);			
<b>Question:</b> Are all water quality monitoring requirements imposed by the MDWL and DWWP being met?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> All water quality monitoring requirements imposed by the MDWL or DWWP issued under Part V of the SDWA were being met.  Schedule C of the MDWL -Table 7 Environmental Discharge Parameters indicates a composite Total Suspended Solids (TSS) sample (manual or composite) to be collected monthly at the point of discharge (Bay of Quinte); and Table 8: Residuals Management indicates an annual average concentration limit of 25mg/L-TSS and 0.02 mg/L-Total Chlorine Residual.  Based on the records provided, monthly TSS composite samples were collected at the point of discharge and total chlorine residuals were collected weekly. The reported 2022 annual TSS average was 14.08 mg/L. The reported total chlorine residual 12 month rolling average was 0.014 mg/L.			

Question ID	DWMMR1101000	Question Type	Legislative
<b>Legislative Requirement(s):</b> SDWA   O. Reg. 170/03   17-1; SDWA   O. Reg. 170/03   17-10   (1); SDWA   O. Reg. 170/03   17-11; SDWA   O. Reg. 170/03   17-12; SDWA   O. Reg. 170/03   17-13; SDWA   O. Reg. 170/03   17-14; SDWA   O. Reg. 170/03   17-2; SDWA   O. Reg. 170/03   17-3; SDWA   O. Reg. 170/03   17-4; SDWA   O. Reg. 170/03   17-5; SDWA   O. Reg. 170/03   17-6; SDWA   O. Reg. 170/03   17-9;			
<b>Question:</b> For LMR Systems, have corrective actions (as per Schedule 17 of O. Reg. 170/03) been taken			

to address adverse conditions, including any other steps as directed by the Medical Officer of Health?

**Compliance Response(s)/Corrective Action(s)/Observation(s):**

Corrective actions (as per Schedule 17), including any other steps that were directed by the Medical Officer of Health, had been taken to address adverse conditions.

AWQI #162341 Corrective Actions included:

- resample and test,
- disinfection increased,
- mains/pipes flush, and
- no other direction provided by Public Health.

Question ID	DWMR1104000	Question Type	Legislative
<b>Legislative Requirement(s):</b>			
SDWA   O. Reg. 170/03   16-6   (1); SDWA   O. Reg. 170/03   16-6   (2); SDWA   O. Reg. 170/03   16-6   (3); SDWA   O. Reg. 170/03   16-6   (3.1); SDWA   O. Reg. 170/03   16-6   (3.2); SDWA   O. Reg. 170/03   16-6   (4); SDWA   O. Reg. 170/03   16-6   (5); SDWA   O. Reg. 170/03   16-6   (6);			
<b>Question:</b>			
Were all required verbal notifications of adverse water quality incidents immediately provided as per O. Reg. 170/03 16-6?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b>			
All required notifications of adverse water quality incidents were immediately provided as per O. Reg. 170/03 16-6.			

Question ID	DWMR1113000	Question Type	Legislative
<b>Legislative Requirement(s):</b>			
SDWA   O. Reg. 170/03   10.1   (3);			
<b>Question:</b>			
Have all changes to the system registration information been provided to the Ministry within ten (10) days of the change?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b>			
All changes to the system registration information were not provided within ten (10) days of the change.			
Action Required:			
No later than October 16, 2023; the Owner shall updated the system registration information with the correct information, and provided written confirmation to Provincial Officer Sarah Young.			
Ministry Record's indicated changes to the DWS Owner Information was not updated with 10 days of the Change.			

Action Required:

No later than October 16, 2023; ,the Owner shall updated the system registration information with the correct information, and provided written confirmation to Provincial Officer Sarah Young.

Question ID	DWMR1059000	Question Type	Legislative
<b>Legislative Requirement(s):</b> SDWA   O. Reg. 128/04   28;			
<b>Question:</b> Do the operations and maintenance manuals contain plans, drawings and process descriptions sufficient for the safe and efficient operation of the system?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> The operations and maintenance manuals contained plans, drawings and process descriptions sufficient for the safe and efficient operation of the system.			

Question ID	DWMR1060000	Question Type	Legislative
<b>Legislative Requirement(s):</b> SDWA   31   (1);			
<b>Question:</b> Do the operations and maintenance manuals meet the requirements of the DWWP and MDWL issued under Part V of the SDWA?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> The operations and maintenance manuals met the requirements of the Drinking Water Works Permit and Municipal Drinking Water Licence issued under Part V of the SDWA.  During the inspection, the Systems operation and maintenance manuals were provided for review and appeared to be in accordance with requirements specified in the MDWL Schedule B 16.0 Operations and Maintenance Manuals: 16.2 The operations and maintenance manual or manuals, shall include at a minimum: 16.2.1 The requirements of this licence and associated procedures; 16.2.2 The requirements of the drinking water works permit for the drinking water system; 16.2.3 A description of the processes used to achieve primary and secondary disinfection within the drinking water system including where applicable: a) A copy of the CT calculations that were used as the basis for primary disinfection under worst case operating conditions and other operating conditions, if applicable; and b) The validated operating conditions for UV disinfection equipment, including a copy of the validation certificate; 16.2.4 Procedures for monitoring and recording the in-process parameters necessary for the control of any treatment subsystem and for assessing the performance of the drinking water system; 16.2.5 Procedures for the operation and maintenance of monitoring equipment; 16.2.6 Contingency plans and procedures for the provision of adequate equipment and material			

to deal with emergencies, upset conditions and equipment breakdown;  
16.2.7 Procedures for dealing with complaints related to the drinking water system, including the recording of the nature of the complaint and any investigation and corrective action taken in respect of the complaint.

Question ID	DWMR1061000	Question Type	Legislative
<b>Legislative Requirement(s):</b>			
SDWA   O. Reg. 128/04   27   (1); SDWA   O. Reg. 128/04   27   (2); SDWA   O. Reg. 128/04   27   (3); SDWA   O. Reg. 128/04   27   (4); SDWA   O. Reg. 128/04   27   (5); SDWA   O. Reg. 128/04   27   (6); SDWA   O. Reg. 128/04   27   (7);			
<b>Question:</b>			
Are logbooks properly maintained and contain the required information?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b>			
Logbooks were properly maintained and contained the required information.			
During the inspection the logbooks were provided for review and appeared to be accordance with Section 27 of O.Reg 128/04; which indicates:			
27. (1) The owner or operating authority of a subsystem shall ensure that logs or other record keeping mechanisms are provided to record information concerning the operation of the subsystem.			
(2) Entries in the logs or other record-keeping mechanisms shall be made chronologically.			
(3) No person shall make an entry in a log or other record-keeping mechanism unless the person is an overall responsible operator, an operator-in-charge or is authorized to make an entry by the owner, the operating authority, the overall responsible operator or an operator-in-charge.			
(4) A person who makes an entry in a log or other record-keeping mechanism shall do so in a manner that permits the person to be unambiguously identified as the maker of the entry.			
(5) An operator-in-charge or a person authorized by an operator-in-charge shall record the following information in the logs or other record-keeping mechanisms in respect of each operating shift:			
1. The date, the time of day the shift began and ended and the number or designation of the shift.			
2. The names of all operators on duty during the shift.			
3. Any departures from normal operating procedures that occurred during the shift and the time they occurred.			
4. Any special instructions that were given during the shift to depart from normal operating procedures and the person who gave the instructions.			

Question ID	DWMR1062000	Question Type	Legislative
<b>Legislative Requirement(s):</b>			
SDWA   O. Reg. 170/03   7-5;			
<b>Question:</b>			

Do records or other record keeping mechanisms confirm that operational testing not performed by continuous monitoring equipment is being done by a certified operator, water quality analyst, or person who meets the requirements of O. Reg. 170/03 7-5?

**Compliance Response(s)/Corrective Action(s)/Observation(s):**

Records or other record keeping mechanisms confirmed that operational testing not performed by continuous monitoring equipment was being done by a certified operator, water quality analyst, or person who suffices the requirements of O. Reg. 170/03 7-5.

<b>Question ID</b>	DWMMR1071000	<b>Question Type</b>	BMP
<b>Legislative Requirement(s):</b> Not Applicable			
<b>Question:</b> Has the owner provided security measures to protect components of the drinking water system?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> The owner had provided security measures to protect components of the drinking water system.  The system has the following security measures in place; the water treatment building is alarmed and is secured with a fence and gate that is locked at night. The lowlift building and standpipe are fenced, with emergency contact information posted. The ladder on the standpipe has a motion activated alarm. No trespassing signage is posted at the water treatment building, lowlift building and standpipe.			

<b>Question ID</b>	DWMMR1073000	<b>Question Type</b>	Legislative
<b>Legislative Requirement(s):</b> SDWA   O. Reg. 128/04   23   (1);			
<b>Question:</b> Has the overall responsible operator been designated for all subsystems which comprise the drinking water system?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> The overall responsible operator had been designated for each subsystem.  At the time of the inspection, Wesley Henneberry was designated as the Overall Responsible Operator (ORO) whom holds a valid Water Treatment Subsystem Class 3, and James Taylor was the ORO for the distribution system whom holds a valid Water Distribution Subsystem Class 2,  The System is designated as a Water Treatment Subsystem Class 3, and a Water Distribution Subsystem Class 1.			

<b>Question ID</b>	DWMMR1074000	<b>Question Type</b>	Legislative
<b>Legislative Requirement(s):</b>			

SDWA | O. Reg. 128/04 | 25 | (1);

**Question:**

Have operators-in-charge been designated for all subsystems which comprise the drinking water system?

**Compliance Response(s)/Corrective Action(s)/Observation(s):**

Operators-in-charge had been designated for all subsystems which comprise the drinking water system.

At the time of the inspection, Spencer Friend was designated as the Operator in Charge (OIC) whom holds a valid Water Treatment Subsystem Class 1.

The System is designated as a Water Treatment Subsystem Class 3, and a Water Distribution Subsystem Class 1.

<b>Question ID</b>	DWMR1075000	<b>Question Type</b>	Legislative
<b>Legislative Requirement(s):</b> SDWA   O. Reg. 128/04   22;			
<b>Question:</b> Do all operators possess the required certification?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> All operators possessed the required certification.			

<b>Question ID</b>	DWMR1076000	<b>Question Type</b>	Legislative
<b>Legislative Requirement(s):</b> SDWA   O. Reg. 170/03   1-2   (2);			
<b>Question:</b> Do only certified operators make adjustments to the treatment equipment?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> Only certified operators made adjustments to the treatment equipment.			

<b>Question ID</b>	DWMR1117000	<b>Question Type</b>	Information
<b>Legislative Requirement(s):</b> Not Applicable			
<b>Question:</b> Are there any other DWS related items that should be recognized in this report?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> The following items are noted as being relevant to the Drinking Water System:			

The System's PTTW expired June 1, 2023, and the application renewal was made less than 90 days before it expires and a decision to renew the permit or to refuse the renewal by the expiry date has not been made. An extension to Permit to Take Water Number No. 6262-98DPFG was granted by the Ministry on May 26, 2023. The notice, as of May 26, 2023, forms part of the Permit and is to remain attached to the Permit at all times. Please note that all the terms and conditions of your Permit remain in force until such time as a decision is made on your application.

**APPENDIX A**

**DRINKING WATER LICENCE AND  
WORKS PERMIT**





## MUNICIPAL DRINKING WATER LICENCE

**Licence Number: 154-101**

**Issue Number: 4**

Pursuant to the *Safe Drinking Water Act*, 2002, S.O. 2002, c. 32, and the regulations made thereunder and subject to the limitations thereof, I hereby issue this municipal drinking water licence under Part V of the *Safe Drinking Water Act*, 2002, S.O. 2002, c. 32 to:

### **The Corporation of the Town of Deseronto**

**331 Main St**

**Deseronto, ON K0K 1X0**

For the following municipal residential drinking water system:

### **Deseronto Drinking Water System**

This municipal drinking water licence includes the following:

<b>Schedule</b>	<b>Description</b>
Schedule A	Drinking Water System Information
Schedule B	General Conditions
Schedule C	System-Specific Conditions
Schedule D	Conditions for Relief from Regulatory Requirements
Schedule E	Pathogen Log Removal/Inactivation Credits

Upon the effective date of this drinking water licence # 154-101, all previously issued versions of licence # 154-101 are revoked and replaced by this licence.

DATED at TORONTO this 22<sup>nd</sup> day of October, 2021

Signature

Aziz Ahmed, P.Eng.  
Director  
Part V, *Safe Drinking Water Act*, 2002

## Schedule A: Drinking Water System Information

System Owner	The Corporation of the Town of Deseronto
Licence Number	154-101
Drinking Water System Name	Deseronto Drinking Water System
Licence Effective Date	October 22, 2021

### 1.0 Licence Information

Licence Issue Date	October 22, 2021
Licence Effective Date	October 22, 2021
Licence Expiry Date	October 21, 2026
Application for Licence Renewal Date	April 22, 2026

### 2.0 Incorporated Documents

The following documents are applicable to the above drinking water system and form part of this licence:

#### 2.1 Drinking Water Works Permit

Drinking Water System Name	Permit Number	Issue Date
Deseronto Drinking Water System	154-201	October 22, 2021

#### 2.2 Permits to Take Water

Water Taking Location	Permit Number	Issue Date
Bay of Quinte	6262-98DPFG	June 6, 2013

### 3.0 Financial Plans

The Financial Plan Number for the Financial Plan required to be developed for this drinking water system in accordance with O. Reg. 453/07 shall be:	154-301
Alternately, if one Financial Plan is developed for all drinking water systems owned by the owner, the Financial Plan Number shall be:	154-301A

### 4.0 Accredited Operating Authority

Drinking Water System or Operational Subsystems	Accredited Operating Authority	Operational Plan No.	Operating Authority No.
Deseronto Drinking Water System	Deseronto, The Corporation Of The Town Of	154-401	154-OA1

## Schedule B: General Conditions

System Owner	<b>The Corporation of the Town of Deseronto</b>
Licence Number	<b>154-101</b>
Drinking Water System Name	<b>Deseronto Drinking Water System</b>
Licence Effective Date	<b>October 22, 2021</b>

### 1.0 Definitions

**1.1** Words and phrases not defined in this licence and the associated drinking water works permit shall be given the same meaning as those set out in the SDWA and any regulations made in accordance with that act, unless the context requires otherwise.

**1.2** In this licence and the associated drinking water works permit:

**“adverse effect”, “contaminant” and “natural environment”** shall have the same meanings as in the EPA;

**“alteration”** may include the following in respect of this drinking water system:

- (a) An addition to the system,
- (b) A modification of the system,
- (c) A replacement of part of the system, and
- (d) An extension of the system;

**“compound of concern”** means a contaminant described in paragraph 4 subsection 26 (1) of O. Reg. 419/05, namely, a contaminant that is discharged to the air from a component of the drinking water system in an amount that is not negligible;

**“CT”** means the CT Disinfection Concept, as described in subsection 3.1.1 of the Ministry’s Procedure for Disinfection of Drinking Water in Ontario, dated July 29 2016.

**“Director”** means a Director appointed pursuant to section 6 of the SDWA for the purposes of Part V of the SDWA;

**“drinking water works permit”** means the drinking water works permit for the drinking water system, as identified in Schedule A of this licence and as amended from time to time;

**“emission summary table”** means a table described in paragraph 14 of subsection 26 (1) of O. Reg. 419/05;

**“EPA”** means the *Environmental Protection Act*, R.S.O. 1990, c. E.19;

**“financial plan”** means the financial plan required by O. Reg. 453/07;

**“Harmful Algal Bloom (HAB)”** means an overgrowth of aquatic algal bacteria that produce or have the potential to produce toxins in the surrounding water, when the algal

cells are damaged or die. Such bacteria are harmful to people and animals and include microcystins produced by cyanobacterial blooms.

“**licence**” means this municipal drinking water licence for the municipal drinking water system identified in Schedule A of this licence;

“**Ministry**” means the Ontario Ministry of the Environment, Conservation and Parks;

“**operational plan**” means an operational plan developed in accordance with the Director’s Directions – Minimum Requirements for Operational Plans made under the authority of subsection 15(1) of the SDWA;

“**owner**” means the owner of the drinking water system as identified in Schedule A of this licence;

“**OWRA**” means the *Ontario Water Resources Act*, R.S.O. 1990, c. 0.40;

“**permit to take water**” means the permit to take water that is associated with the taking of water for purposes of the operation of the drinking water system, as identified in Schedule A of this licence and as amended from time to time;

“**point of impingement**” has the same meaning as in section 2 of O. Reg. 419/05 under the EPA;

“**point of impingement limit**” means the appropriate standard from Schedule 2 or 3 of O. Reg. 419/05 under the EPA and if a standard is not provided for a compound of concern, the concentration set out for the compound of concern in the document titled “Air Contaminants Benchmarks (ACB) List: Standards, guidelines and screening levels for assessing point of impingement concentrations of air contaminants”, as amended from time to time and published by the Ministry and available on a government of Ontario website;

“**licensed engineering practitioner**” means a person who holds a licence, limited licence or temporary licence under the Professional Engineers Act;

“**provincial officer**” means a provincial officer designated pursuant to section 8 of the SDWA;

“**publication NPC-300**” means the Ministry publication titled “Environmental Noise Guideline: Stationary and Transportation Sources – Approval and Planning” dated August 2013, as amended;

“**SCADA system**” means a supervisory control and data acquisition system used for process monitoring, automation, recording and/or reporting within the drinking water system;

“**SDWA**” means the *Safe Drinking Water Act*, 2002, S.O. 2002, c. 32;

“**sensitive receptor**” means any location where routine or normal activities occurring at reasonably expected times would experience adverse effect(s) from a discharge to air from an emergency generator that is a component of the drinking water system, including one or a combination of:

- (a) private residences or public facilities where people sleep (e.g.: single and multi-unit dwellings, nursing homes, hospitals, trailer parks, camping grounds, etc.),
- (b) institutional facilities (e.g.: schools, churches, community centres, day care centres, recreational centres, etc.),
- (c) outdoor public recreational areas (e.g.: trailer parks, play grounds, picnic areas, etc.), and
- (d) other outdoor public areas where there are continuous human activities (e.g.: commercial plazas and office buildings).

“**sub-system**” has the same meaning as in Ontario Regulation 128/04 (Certification of Drinking Water System Operators and Water Quality Analysts) under the SDWA;

“**surface water**” means water bodies (lakes, wetlands, ponds - including dug-outs), water courses (rivers, streams, water-filled drainage ditches), infiltration trenches, and areas of seasonal wetlands;

“**UV**” means ultraviolet, as in ultraviolet light produced from an ultraviolet reactor.

## 2.0 Applicability

- 2.1 In addition to any other applicable legal requirements, the drinking water system identified above shall be established, altered and operated in accordance with the conditions of the drinking water works permit and this licence.

## 3.0 Licence Expiry

- 3.1 This licence expires on the date identified as the licence expiry date in Schedule A of this licence.

## 4.0 Licence Renewal

- 4.1 Any application to renew this licence shall be made on or before the date identified as the application for licence renewal date set out in Schedule A of this licence.

## 5.0 Compliance

- 5.1 The owner and operating authority shall ensure that any person authorized to carry out work on or to operate any aspect of the drinking water system has been informed of the SDWA, all applicable regulations made in accordance with that act, the drinking water works permit and this licence and shall take all reasonable measures to ensure any such person complies with the same.

## 6.0 Licence and Drinking Water Works Permit Availability

- 6.1 At least one copy of this licence and the drinking water works permit shall be stored in such a manner that they are readily viewable by all persons involved in the operation of the drinking water system.

## 7.0 Permit to Take Water and Drinking Water Works Permit

- 7.1 A permit to take water identified in Schedule A of this licence is the applicable permit on the date identified as the Effective Date of this licence.
- 7.2 A drinking water works permit identified in Schedule A of this licence is the applicable permit on the date identified as the Effective Date of this licence.

## 8.0 Financial Plan

- 8.1 For every financial plan prepared in accordance with subsections 2(1) and 3(1) of O. Reg. 453/07, the owner of the drinking water system shall:
- 8.1.1 Ensure that the financial plan contains on the front page of the financial plan, the appropriate financial plan number as set out in Schedule A of this licence; and
- 8.1.2 Submit a copy of the financial plan to the Ministry of Municipal Affairs and Housing within three (3) months of receiving approval by a resolution of municipal council or the governing body of the owner.

## 9.0 Interpretation

- 9.1 Where there is a conflict between the provisions of this licence and any other document, the following hierarchy shall be used to determine the provision that takes precedence:
- 9.1.1 The SDWA;
- 9.1.2 A condition imposed in this licence that explicitly overrides a prescribed regulatory requirement;
- 9.1.3 A condition imposed in the drinking water works permit that explicitly overrides a prescribed regulatory requirement;
- 9.1.4 Any regulation made under the SDWA;
- 9.1.5 Any provision of this licence that does not explicitly override a prescribed regulatory requirement;
- 9.1.6 Any provision of the drinking water works permit that does not explicitly override a prescribed regulatory requirement;
- 9.1.7 Any application documents listed in this licence, or the drinking water works permit from the most recent to the earliest; and

- 9.1.8 All other documents listed in this licence, or the drinking water works permit from the most recent to the earliest.
- 9.1.9 Any other technical bulletin or procedure issued by the Ministry from the most recent to the earliest.
- 9.2** If any requirement of this licence or the drinking water works permit is found to be invalid by a court of competent jurisdiction, the remaining requirements of this licence and the drinking water works permit shall continue to apply.
- 9.3** The issuance of and compliance with the conditions of this licence and the drinking water works permit does not:
- 9.3.1 Relieve any person of any obligation to comply with any provision of any applicable statute, regulation or other legal requirement, including the *Environmental Assessment Act*, R.S.O. 1990, c. E.18; and
- 9.3.2 Limit in any way the authority of the appointed Directors and provincial officers of the Ministry to require certain steps be taken or to require the owner to furnish any further information related to compliance with the conditions of this licence or the drinking water works permit.
- 9.4** For greater certainty, nothing in this licence or the drinking water works permit shall be read to provide relief from regulatory requirements in accordance with section 46 of the SDWA, except as expressly provided in the licence or the drinking water works permit.

## 10.0 Adverse Effects

- 10.1** Nothing in this licence or the drinking water works permit shall be read as to permit:
- 10.1.1 The discharge of a contaminant into the natural environment that causes or is likely to cause an adverse effect; or
- 10.1.2 The discharge of any material of any kind into or in any waters or on any shore or bank thereof or into or in any place that may impair the quality of the water of any waters.
- 10.2** All reasonable steps shall be taken to minimize and ameliorate any adverse effect on the natural environment or impairment of the quality of water of any waters resulting from the operation of the drinking water system including such accelerated or additional monitoring as may be necessary to determine the nature and extent of the effect or impairment.
- 10.3** Fulfillment of one or more conditions imposed by this licence or the drinking water works permit does not eliminate the requirement to fulfill any other condition of this licence or the drinking water works permit.

## 11.0 Change of Owner or Operating Authority

- 11.1** This licence is not transferable without the prior written consent of the Director.

**11.2** The owner shall notify the Director in writing at least 30 days prior to a change of any operating authority identified in Schedule A of this licence.

11.2.1 Where the change of operating authority is the result of an emergency situation, the owner shall notify the Director in writing of the change as soon as practicable.

## 12.0 Information to be Provided

**12.1** Any information requested by a Director or a provincial officer concerning the drinking water system and its operation, including but not limited to any records required to be kept by this licence or the drinking water works permit, shall be provided upon request.

## 13.0 Records Retention

**13.1** Except as otherwise required in this licence or the drinking water works permit, any records required by or created in accordance with this licence or the drinking water works permit, other than the records specifically referenced in section 12 or section 13 of O. Reg. 170/03, shall be retained for at least 5 years and made available for inspection by a provincial officer, upon request.

## 14.0 Chemicals and Materials

**14.1** All chemicals and materials used in the alteration or operation of the drinking water system that come into contact with water within the system shall meet all applicable standards set by both the American Water Works Association ("AWWA") and the American National Standards Institute ("ANSI") safety criteria standards NSF/60, NSF/61 and NSF/372.

14.1.1 In the event that the standards are updated, the owner may request authorization from the Director to use any on hand chemicals and materials that previously met the applicable standards.

**14.2** The most current chemical and material product registration documentation from a testing institution accredited by either the Standards Council of Canada or by the American National Standards Institution ("ANSI") shall be available at all times for each chemical and material used in the operation of the drinking water system that comes into contact with water within the system.

**14.3** Conditions 14.1 and 14.2 do not apply in the case of the following:

14.3.1 Water pipe and pipe fittings meeting AWWA specifications made from ductile iron, cast iron, PVC, fibre and/or steel wire reinforced cement pipe or high density polyethylene (HDPE);

14.3.2 Articles made from stainless steel, glass, HDPE or Teflon®;

14.3.3 Cement mortar for watermain lining and for water contacting surfaces of concrete structures made from washed aggregates and Portland cement;

14.3.4 Gaskets that are made from NSF approved materials;



- 14.3.5 Food grade oils and lubricants, food grade anti-freeze, and other food grade chemicals and materials that are compatible for drinking water use that may come into contact with drinking water, but are not added directly to the drinking water; or
- 14.3.6 Any particular chemical or material where the owner has written documentation signed by the Director that indicates that the Ministry is satisfied that the chemical or material is acceptable for use within the drinking water system and the chemical or material is only used as permitted by the documentation.

## 15.0 Drawings

- 15.1 All drawings and diagrams in the possession of the owner that show any treatment subsystem as constructed shall be retained by the owner unless the drawings and diagrams are replaced by a revised or updated version showing the subsystem as constructed subsequent to the alteration.
- 15.2 Any alteration to any treatment subsystem shall be incorporated into process flow diagrams, process and instrumentation diagrams, and record drawings and diagrams within one year of the alteration being completed or placed into service.
- 15.3 Process flow diagrams and process and instrumentation diagrams for any treatment subsystem shall be kept in a place, or made available in such a manner, that they may be readily viewed by all persons responsible for all or part of the operation of the drinking water system.

## 16.0 Operations and Maintenance Manual

- 16.1 An up-to-date operations and maintenance manual or manuals shall be maintained and applicable parts of the manual or manuals shall be made available for reference to all persons responsible for all or part of the operation or maintenance of the drinking water system.
- 16.2 The operations and maintenance manual or manuals, shall include at a minimum:
- 16.2.1 The requirements of this licence and associated procedures;
- 16.2.2 The requirements of the drinking water works permit for the drinking water system;
- 16.2.3 A description of the processes used to achieve primary and secondary disinfection within the drinking water system including where applicable:
- a) A copy of the CT calculations that were used as the basis for primary disinfection under worst case operating conditions and other operating conditions, if applicable; and
  - b) The validated operating conditions for UV disinfection equipment, including a copy of the validation certificate;

- 16.2.4 Procedures for monitoring and recording the in-process parameters necessary for the control of any treatment subsystem and for assessing the performance of the drinking water system;
  - 16.2.5 Procedures for the operation and maintenance of monitoring equipment;
  - 16.2.6 Contingency plans and procedures for the provision of adequate equipment and material to deal with emergencies, upset conditions and equipment breakdown;
  - 16.2.7 Procedures for dealing with complaints related to the drinking water system, including the recording of the nature of the complaint and any investigation and corrective action taken in respect of the complaint;
- 16.3** Procedures necessary for the operation and maintenance of any alterations to the drinking water system shall be incorporated into the operations and maintenance manual or manuals prior to those alterations coming into operation.
- 16.4** All of the procedures included or referenced within the operations and maintenance manual must be implemented.

## Schedule C: System-Specific Conditions

System Owner	The Corporation of the Town of Deseronto
Licence Number	154-101
Drinking Water System Name	Deseronto Drinking Water System
Licence Effective Date	October 22, 2021

### 1.0 System Performance

#### Rated Capacity

- 1.1 For each treatment subsystem listed in column 1 of Table 1, the maximum daily volume of treated water that flows from the treatment subsystem to the distribution system shall not exceed the value identified as the rated capacity in column 2 of the same row.

<b>Table 1: Rated Capacity</b>	
Column 1 Treatment Subsystem Name	Column 2 Rated Capacity (m <sup>3</sup> /day)
Deseronto Water Treatment Pant	2,946

#### Maximum Flow Rates

- 1.2 For each treatment subsystem listed in column 1 of Table 2, the maximum flow rate of water that flows into a treatment subsystem component listed in column 2 shall not exceed the value listed in column 3 of the same row.

<b>Table 2: Maximum Flow Rates</b>		
Column 1 Treatment Subsystem Name	Column 2 Treatment Subsystem Component	Column 3 Maximum Flow Rate (L/s)
Not Applicable	Not Applicable	Not Applicable

- 1.3 Despite conditions 1.1 and 1.2, a treatment subsystem may be operated temporarily at a maximum daily volume and/or a maximum flow rate above the values set out in column 2 of Table 1 and column 3 of Table 2 respectively for the purposes of fighting a large fire or for the maintenance of the drinking water system.
- 1.4 Condition 1.3 does not authorize the discharge into the distribution system of any water that does not meet all of the requirements of this licence and all other regulatory requirements, including compliance with the Ontario Drinking Water Quality Standards.

### Pumping during Emergency

- 1.5** The highlift pumps listed in Schedule A of the drinking water works permit # 154-201 be operated in parallel during an emergency situation subject to the following conditions:
- 1.5.1 A standard operating procedure (SOP) to satisfy chlorine contact concentration/time (CT) requirements as per the Schedule E of this licence is in place on or before April 22, 2022 that:
- a) covers pump operation under various operational scenarios and operating conditions (summer and winter), including worst-case scenario for achieving CT;
  - b) Lists all the limiting factors for meeting CT under each scenario including; maximum flows; minimum water level in the clearwell and minimum residual chlorine concentration that must be maintained all times during pump operation
  - c) describes how each of the limiting factors are monitored during an emergency situation, and how the details of this monitoring are recorded.
- 1.5.2 Where based on the limiting factors described in 1.5.1.2, a situation occurs where CT is not achievable, a report for improperly disinfected water is to be made in accordance with Section 16-4 of Schedule 16 of O. Reg. 170/03.

### Residuals Management

- 1.6** In respect of an effluent discharged into the natural environment from a treatment subsystem or treatment subsystem component listed in column 1 of Table 3:
- 1.6.1 The annual average concentration of a test parameter identified in column 2 shall:
- a) not exceed the value in column 3 of the same row; and
  - b) be calculated at least once monthly as the running annual average based on the previous twelve months of results;
- 1.6.2 Where the average concentration of a test parameter identified in column 2 exceeds the value in column 3, the concentration shall be reported to the local Ministry district office within 72 hours of receipt of the last lab result used in the calculation;
- 1.6.3 The maximum concentration of a test parameter identified in column 2 shall not exceed the value in column 4 of the same row;
- 1.6.4 Where the maximum concentration of a test parameter identified in column 2 exceeds the value in column 4, the discharge shall be reported in accordance with s.13.2 of O. Reg. 675.98 and recorded in accordance with s.12.2 of O. Reg. 675.98 within 24 hours of receipt of the lab result; and,
- 1.6.5 The test parameters listed in column 2 of Table 3 shall be sampled in accordance with conditions 5.2, 5.3 and 5.4 of Schedule C in this Licence.

<b>Table 3: Residuals Management</b>			
<b>Column 1 Treatment Subsystem or Treatment Subsystem Component Name</b>	<b>Column 2 Test Parameter</b>	<b>Column 3 Annual Average Concentration (mg/L)</b>	<b>Column 4 Maximum Concentration (mg/L)</b>
Deseronto Water Treatment Plant – Process Waste Settling Tank	Total Suspended Solids	25	Not Applicable
Deseronto Water Treatment Plant – Process Waste Settling Tank	Total Chlorine Residual	0.02	Not Applicable

### UV Disinfection Equipment Performance

- 1.7** For each treatment subsystem or treatment subsystem component listed in column 1 of Table 4, and while directing water to the distribution system and being used to meet pathogen log removal/inactivation credits specified in Schedule E:
- 1.7.1 The UV disinfection equipment shall be operated within the validated limits for the equipment at all times such that a continuous pass-through UV dose is maintained throughout the life time of the UV lamp(s) that is at least the minimum continuous pass-through UV dose set out in column 2 of the same row
- 1.7.2 In addition to any other sampling, analysis and recording that may be required, the ultraviolet light disinfection equipment shall test for the test parameters set out in column 4 of the same row at a testing frequency of once every five (5) minutes or less and record the test data at a recording frequency of once every four (4) hours or less;
- 1.7.3 If there is a UV disinfection equipment alarm signaling that the disinfection equipment is malfunctioning, has lost power, or is not providing the appropriate level of disinfection the test parameters set out in column 4 of the same row shall be recorded at a recording frequency of once every five minutes or less until the alarm condition has been corrected;
- 1.7.4 A monthly summary report shall be prepared at the end of each calendar month which sets out the time, date and duration of each UV equipment alarm described in condition 1.6.3, the volume of water treated during each alarm period and the actions taken by the operating authority to correct the alarm situation;

<b>Table 4: UV Disinfection Equipment</b>			
<b>Column 1 Treatment Subsystem or Treatment Subsystem Component Name</b>	<b>Column 2 Minimum Continuous Pass-Through UV Dose (mJ/cm<sup>2</sup>)</b>	<b>Column 3 Control Strategy</b>	<b>Column 4 Test Parameter</b>
Not Applicable	Not Applicable	Not Applicable	Not Applicable

## 2.0 Flow Measurement and Recording Requirements

- 2.1** For each treatment subsystem identified in column 1 of Table 1 and in addition to any other flow measurement and recording that may be required, continuous flow measurement and recording shall be undertaken for:
- 2.1.1 The flow rate (L/s) and daily volume (m<sup>3</sup>/day) of treated water that flows from the treatment subsystem to the distribution system.
  - 2.1.2 The flow rate (L/s) and daily volume (m<sup>3</sup>/day) of water that flows into the treatment subsystem.
- 2.2** For each treatment subsystem component identified in column 2 of Table 2 and in addition to any other flow measurement and recording that may be required, continuous flow measurement and recording shall be undertaken for the flow rate and daily volume of water that flows into the treatment subsystem component.
- 2.3** Where a rated capacity from Table 1 or a maximum flow rate from Table 2 is exceeded, the following shall be recorded:
- 2.3.1 The difference between the measured amount and the applicable rated capacity or maximum flow rate specified in Table 1 or Table 2;
  - 2.3.2 The time and date of the measurement;
  - 2.3.3 The reason for the exceedance; and
  - 2.3.4 The duration of time that lapses between the applicable rated capacity or maximum flow rate first being exceeded and the next measurement where the applicable rated capacity or maximum flow rate is no longer exceeded.

## 3.0 Calibration of Flow Measuring Devices

- 3.1** All flow measuring devices that are required by regulation, by a condition in the drinking water works permit 154-201, or by a condition otherwise imposed by the Ministry, shall be checked and where necessary calibrated in accordance with the manufacturer's instructions.
- 3.2** If the manufacturer's instructions do not indicate how often to check and calibrate a flow measuring device, the equipment shall be checked and where necessary calibrated at least once every 12 months during which the drinking water system is in operation.
- 3.2.1 For greater certainty, if condition 3.2 applies, the equipment shall be checked and where necessary calibrated not more than 30 days after the first anniversary of the day the equipment was checked and calibrated in the previous 12-month period.

## 4.0 Calibration of CT Monitoring System

- 4.1** Any measuring instrumentation that forms part of the monitoring system for CT shall be checked and where necessary calibrated at least once every 12 months during which the

drinking water system is in operation, or more frequently in accordance with the manufacturer's instructions.

- 4.1.1 For greater certainty, if condition 4.1 applies, the instrumentation shall be checked and where necessary calibrated not more than 30 days after the first anniversary of the day the equipment was checked and calibrated in the previous 12-month period.

## 5.0 Additional Sampling, Testing and Monitoring

### Drinking Water Health and Non-Health Related Parameters

- 5.1 For each treatment subsystem or treatment subsystem component identified in column 1 of Tables 5 and 6 and in addition to any other sampling, testing and monitoring that may be required, sampling, testing and monitoring shall be undertaken for a test parameter listed in column 2 at the sampling frequency listed in column 3 and at the monitoring location listed in column 4 of the same row.

<b>Table 5: Drinking Water Health Related Parameters</b>			
<b>Column 1 Treatment Subsystem or Treatment Subsystem Component Name</b>	<b>Column 2 Test Parameter</b>	<b>Column 3 Sampling Frequency</b>	<b>Column 4 Monitoring Location</b>
Not Applicable	Not Applicable	Not Applicable	Not Applicable

<b>Table 6: Drinking Water Non-Health Related Parameters</b>			
<b>Column 1 Treatment Subsystem or Treatment Subsystem Component Name</b>	<b>Column 2 Test Parameter</b>	<b>Column 3 Sampling Frequency</b>	<b>Column 4 Monitoring Location</b>
Not Applicable	Not Applicable	Not Applicable	Not Applicable

### Environmental Discharge Parameters

- 5.2 For each treatment subsystem or treatment subsystem component identified in column 1 of Table 7 and in addition to any other sampling, testing and monitoring that may be required, sampling, testing and monitoring shall be undertaken for a test parameter listed in column 2 using the sample type identified in column 3 at the sampling frequency listed in column 4 and at the monitoring location listed in column 5 of the same row.

- 5.3 For the purposes of Table 7:

- 5.3.1 Manual Composite means the mean of at least three grab samples taken during a discharge event, with one sample being taken immediately following the commencement of the discharge event, one sample being taken approximately

at the mid-point of the discharge event and one sample being taken immediately before the end of the discharge event; and

5.3.2 Automated Composite means samples must be taken during a discharge event by an automated sampler at a minimum sampling frequency of once per hour.

5.4 Any sampling, testing and monitoring for the test parameter Total Suspended Solids shall be performed in accordance with the requirements set out in the publication "Standard Methods for the Examination of Water and Wastewater", 23<sup>rd</sup> Edition, 2017, or as amended from time to time by more recently published editions.

<b>Table 7: Environmental Discharge Parameters</b>				
<b>Column 1 Treatment Subsystem or Treatment Subsystem Component Name</b>	<b>Column 2 Test Parameter</b>	<b>Column 3 Sample Type</b>	<b>Column 4 Sampling Frequency</b>	<b>Column 5 Monitoring Location</b>
Deseronto Water Treatment Plant – Process Waste Settling Tank	Total Suspended Solids	Manual or Automatic Composite	Monthly	Point of discharge to Bay of Quinte

5.5 Pursuant to Condition 10 of Schedule B of this licence, the owner may undertake the following environmental discharges associated with the maintenance and/or repair of the drinking water system:

5.5.1 The discharge of potable water from a watermain to a road or storm sewer;

5.5.2 The discharge of potable water from a water storage facility or pumping station:

- a) To a road or storm sewer; or
- b) To a watercourse where the discharge has been dechlorinated and if necessary, sediment and erosion control measures have been implemented.

5.5.3 The discharge of dechlorinated non-potable water from a watermain, water storage facility or pumping station to a road or storm sewer;

5.5.4 The discharge of raw water from a groundwater well to the environment where if necessary, sediment and erosion control measures have been implemented; and

5.5.5 The discharge of raw water, potable water or non-potable water from a treatment subsystem to the environment where if necessary, the discharge has been dechlorinated and sediment and erosion control measures have been implemented.

5.5.6 The discharge of any excess water to a road, storm sewer or the environment, associated with the management of materials excavated as part of watermain



construction or repair, where necessary sediment, erosion and environmental control measures have been implemented.

## 6.0 Studies Required

### Harmful Algal Blooms

- 6.1** The owner shall develop and keep up to date a Harmful Algal Bloom monitoring, reporting and sampling plan, herein known as the “Plan”, to be implemented when a potential harmful algal bloom is suspected or present. The owner shall have the Plan in place on or before April 22, 2022.
- 6.1.1 The owner must have a copy of the Plan available onsite at the drinking water system, for inspection upon request by Ministry staff.
- 6.1.2 The owner must implement the Plan annually during the harmful algal bloom season, during but not limited to the warm seasonal period between June 1 and October 31 each year, or as otherwise directed by the Ministry or the Medical Officer of Health.
- 6.1.3 The owner must train all relevant drinking water system staff on the Plan prior to the beginning of each warm season, as described in Condition 6.1.2.
- 6.2** For clarity, a Harmful Algal Bloom is considered suspected or occurring when:
- 6.2.1 the owner or operating authority has observed an algal bloom:
- a) near the shoreline at or near the source water intake(s) described in drinking water works permit # 154-201, or
  - b) where the intake has an Intake Protection Zone in a source protection plan, within IPZ-1, or
  - c) within a circle that has a radius, measured from the intake, equal to the distance from the intake to the farthest edge of IPZ-2.
- 6.2.2 microcystin has been detected in a raw or treated water sample; and/or,
- 6.2.3 the owner has received any form of notification related to an algal bloom from the Ministry, a Medical Officer of Health, or the public; or,
- 6.2.4 the presence of or identification of cyanobacteria has been determined through optical probes or other analytic techniques used by the drinking water system.
- 6.3** The Plan described in condition 6.1 must include, at a minimum:
- 6.3.1 details relating to visual monitoring for harmful algal blooms at or near the drinking water system intake(s),
- a) as described in drinking water works permit # 154-201, or

- b) where the intake has an Intake Protection Zone in a source protection plan, within IPZ-1, or
  - c) within a circle that has a radius, measured from the intake, equal to the distance from the intake to the farthest edge of IPZ-2.
- 6.3.2 details relating to visual monitoring of shoreline; this is applicable to drinking water systems where the proximity of the intake(s) may be of concern.
- 6.3.3 details relating to reporting the observed or suspected harmful algal bloom, as described in section 6.2:
- a) to the Overall Responsible Operator(s) and/or Operator(s)-in-Charge if the blooms have been observed or suspected by a duty operator; the Plan shall include wording that directs relevant drinking water staff to follow the instructions provided by the Overall Responsible Operator(s) or the Operator(s)-in-Charge;
  - b) to the medical officer of health; and
  - c) to the local MECP representative and the Ministry's Spills Action Centre.,
- 6.3.4 a sampling plan, including the identification of sample location(s) and frequencies that at a minimum match those described in condition 6.4.
- 6.3.5 triggers that may increase the required sampling frequency;
- 6.3.6 up-to-date records that document staff training on the harmful algal bloom monitoring, reporting, and sampling procedures.
- 6.4** Any water samples collected under Condition 6.3.4 must be:
- 6.4.1 collected, at a minimum, once per week, or as otherwise directed by the Ministry or the medical officer of health;
  - 6.4.2 collected prior to any treatment, if the sample is taken from raw water;
  - 6.4.3 collected at the point of entry into the distribution system, if the sample is taken from treated water;
  - 6.4.4 collected from the shoreline by the drinking water system, if applicable based on Condition 6.3.1;
  - 6.4.5 submitted to a laboratory licensed to perform ELISA testing for total microcystin;
  - 6.4.6 repeatedly collected until 3 consecutive samples have shown non-detection of microcystin and the algal bloom is no longer suspected or visually observed.

## 7.0 Source Protection

- 7.1 The owner of the drinking water system shall implement risk management measures, as appropriate, to manage any potential threat to drinking water that results from the operation of the drinking water system.
- 7.2 The owner of the system shall notify the Director in writing within thirty (30) days of any approved changes to an applicable source protection plan that impact the assessed threat level of a fuel oil system identified in Schedule A of drinking water works permit.
- 7.3 The notification required in condition 7.2 shall include:
- 7.3.1 A description of the changes and their impact on the assessed threat level of the fuel oil system(s); and,
  - 7.3.2 A timeline for re-assessing the threat level and providing the results of the assessment to the Director.

## **Schedule D: Conditions for Relief from Regulatory Requirements**

System Owner	<b>The Corporation of the Town of Deseronto</b>
Licence Number	<b>154-101</b>
Drinking Water System Name	<b>Deseronto Drinking Water System</b>
Licence Effective Date	<b>October 22, 2021</b>

Effective October 22, 2021, no relief from regulatory requirements is authorized by the Director under section 46 of the SDWA in respect of the drinking water system.

## Schedule E: Pathogen Log Removal/Inactivation Credits

System Owner	The Corporation of the Town of Deseronto
Licence Number	154-101
Drinking Water System Name	Deseronto Drinking Water System
Licence Effective Date	October 22, 2021

### 1.0 Primary Disinfection Pathogen Log Removal/Inactivation Credits

#### Deseronto Water Supply Plant

Bay of Quinte [SURFACE WATER]

Minimum Log Removal/Inactivation Required	Cryptosporidium Oocysts	Giardia Cysts <sup>a</sup>	Viruses <sup>b</sup>
Deseronto Water Supply Plant	2	3	4

<sup>a</sup> At least 0.5 log inactivation of Giardia shall be achieved by the disinfection portion of the overall water treatment process.

<sup>b</sup> At least 2 log inactivation of viruses shall be achieved by disinfection.

Log Removal/Inactivation Credits Assigned <sup>c</sup>	Cryptosporidium Oocysts	Giardia Cysts	Viruses
Conventional Filtration	2	2.5	2
Chlorination [CT: Chlorine Contact Chamber]	-	0.5	2+

<sup>c</sup> Log removal/inactivation credit assignment is based on each treatment process being fully operational and the applicable log removal/inactivation credit assignment criteria being met.

Treatment Component	Log Removal/Inactivation Credit Assignment Criteria
Conventional Filtration	<ol style="list-style-type: none"> <li>1. A chemical coagulant shall be used at all times when the treatment plant is in operation;</li> <li>2. Chemical dosages shall be monitored and adjusted in response to variations in raw water quality;</li> <li>3. Effective backwash procedures shall be maintained including filter-to-waste or an equivalent procedure during filter ripening to ensure that effluent turbidity requirements are met at all times;</li> <li>4. Filtrate turbidity shall be continuously monitored from each filter; and</li> <li>5. Performance criterion for filtered water turbidity of less than or equal to 0.3 NTU in 95% of the measurements each month shall be met for each filter.</li> </ol>
Chlorination	<ol style="list-style-type: none"> <li>1. Sampling and testing for free chlorine residual shall be carried out by continuous monitoring equipment in the treatment process at or near a location where the intended contact time has just been completed in accordance with the Ministry's Procedure for Disinfection of Drinking Water in Ontario; and</li> <li>2. At all times, CT provided shall be greater than or equal to the CT required to achieve the log removal credits assigned.</li> </ol>
<b>Primary Disinfection Notes</b>	Inactivation credits assigned for chlorination are based on the "worst case" conditions: maximum pH, minimum temperature, minimum Cl <sub>2</sub> residual, effective volume at minimum clearwell level, and maximum design flow. Inactivation credits are extrapolated from Tables 1, 2, and 7 in the <i>Procedure for Disinfection of Drinking Water in Ontario</i> .



## DRINKING WATER WORKS PERMIT

**Permit Number: 154-201**

**Issue Number: 4**

Pursuant to the *Safe Drinking Water Act, 2002*, S.O. 2002, c. 32, and the regulations made thereunder and subject to the limitations thereof, I hereby issue this drinking water works permit under Part V of the *Safe Drinking Water Act, 2002*, S.O. 2002, c. 32 to:

### **The Corporation of the Town of Deseronto**

331 Main St

Deseronto, ON K0K 1X0

For the following municipal residential drinking water system:

### **Deseronto Drinking Water System**

This drinking water works permit includes the following:

<b>Schedule</b>	<b>Description</b>
Schedule A	Drinking Water System Description
Schedule B	General
Schedule C	All documents issued as Schedule C to this drinking water works permit which authorize alterations to the drinking water system
Schedule D	Process Flow Diagrams

Upon the effective date of this drinking water works permit #154-201, all previously issued versions of permit #154-201 are revoked and replaced by this permit.

DATED at TORONTO this 22<sup>nd</sup> day of October, 2021

Signature

Aziz Ahmed, P.Eng.  
Director  
Part V, *Safe Drinking Water Act, 2002*

## Schedule A: Drinking Water System Description

System Owner	The Corporation of the Town of Deseronto
Permit Number	154-201
Drinking Water System Name	Deseronto Drinking Water System
Permit Effective Date	October 22, 2021

### 1.0 System Description

- 1.1 The following is a summary description of the works comprising the above drinking water system:

#### Overview

The **Deseronto Drinking Water System** consists of one (1) drinking water treatment plant, one (1) storage standpipe and approximately 13 kilometers of distribution water mains.

## Deseronto Water Supply Plant

### Location and System Type

Street Address	322 Water Street, Deseronto
UTM Coordinates	NAD 83, UTM Zone 18: 336332 m E., 4895200 m N
System Type	Surface water supply and treatment
Notes	

### Surface Water Supply

#### Intake Facility

Description	Raw water intake system extending into Bay of Quinte
Equipment	400 mm diameter intake pipe and intake crib with flared elbow intake located approximately 480 m offshore
Notes	

## Low Lift Works

### Low Lift Pumping Station

Description	A low lift pumping station located approximately 400 m south of the treatment plant building
Equipment	Six (6) manual clean wire mesh screens
	One (1) low lift wet well
	Three (3) centrifugal pumps each at 1,020 L /min. at 19.25 m TDH, all connected to a 250 mm diameter common discharge header
	A gaseous chlorine disinfection system consist of a gas chlorinator at 0.19 kg/hr., vacuum regulators, an automatic cylinder switch-over system, weight scales, controls, alarm and two feed lines discharging to intake crib (zebra mussels control) and low lift discharge header
	Approximately 400 m of 250 mm PVC pipe running parallel to a 250 mm HDPE pipe from the low lift building to the water treatment plant including valves at the low lift building and the water treatment plant to permit the operation of either pipe.
Notes	

## Flocculation/Clarification

### Pre-chlorine contact chamber

Description	A chlorine reaction tank complete with intra-basin baffles
Dimensions	21.3 m x 1.1 m x 5.6 m side water depth (SWD)
Notes	

## Dissolved Air Flotation (DAF)

Description	Two (2) DAF trains, each complete with two (2) flocculation chambers and one (1) dissolved air flotation chamber, each rated at 2,210 m <sup>3</sup> /d.
Dimensions	Each train 9.68 m x 2.40 m with a water depth of 2.7 m
Equipment	An air system comprising duplex compressor unit and one pressure tank
	A skid mounted recirculation pumping system comprising two (2) duty and one (1) standby pumps
	Two (2) saturation tanks.
Notes	One (1) static mixer for coagulant mixing prior to DAF trains.



## Filtration

### Gravity Filter

Description	Three (3) deep bed dual media (GAC of 1.53 m /sand of 0.3 m) gravity filters with air scour backwash systems
Dimensions	Each filter with a surface area of 7.3 m <sup>2</sup>
Equipment	One (1) horizontal centrifugal backwash pump rated at 100 L/s at a TDH of 17.2 m;
	One (1) air blower, rated at 236 scfm /401 m <sup>3</sup> /h at 31 kPa pressure
Notes	A standby backwash using pressured water from HLP's discharge header, with a manual butterfly valve and a pressure control valve for regulating the flow and the pressure.  Filtered water discharge to the post Chlorine Contact Chamber.

## Chemical Addition

### Coagulant

Description	Coagulation feed system
Feed Points	Upstream of the two (DAF) Dissolved Air Flotation Tanks
Equipment	Two (2) metering pumps (duty and standby) each capable of 24 L/hr.
	One (1) day tank
Notes	

### Coagulant Aid

Description	Polymer feed system
Feed Points	Dissolved Air Flotation Tanks
Equipment	Two (2) metering pumps (duty and standby) each capable of 29.2 L/hr.
	One (1) day tank
Notes	

### Chlorine

Description	Gaseous chlorine addition for disinfection
Feed Points	Chlorine contact chamber influent line
Equipment	A gaseous chlorine disinfection system consist of a gas chlorinator at 0.47 kg/hr., vacuum regulators, an automatic cylinder switch-over system, weight scales, controls and alarm
Notes	

## Waste Residual Management System

### Process Waste Equalization Tank

Description	One (1) equalization tank for wastewater from filter backwash
Dimensions	130 m <sup>3</sup>
Equipment	Two (2) centrifugal pumps (duty and standby) each at 3.6 L/s at 10 m TDH for discharging to the settling tank One (1) 76 mm submersible pump (standby) at 1.9 L/s at 9 m TDH for discharging to the municipal wastewater treatment plant
Notes	

### Process Waste Settling Tank

Description	One (1) settling tank for wastewater from filter backwash
Dimensions	3.3 m in diameter
Equipment	Gravity system for discharging supernatant to Bay of Quinte An automatic sludge transfer system to the municipal wastewater treatment plant
Notes	

## On-Site Storage

### Chlorine Contact Chamber

Description	One (1) chlorine contact tank complete with intra-basin baffles
Dimensions	21.3 m x 1.1m x 5.6 m SWD
Discharge to	Clearwell
Notes	

### Clearwell

Description	One (1) two celled interconnected clearwell for water distribution
Dimensions	Total volume 735 m <sup>3</sup>
Equipment	Four (4) horizontal high lift pumps (3 duty, 1 standby with two pumps located in each clearwell cell) each at 2,730 m <sup>3</sup> /day at 60.96 m TDH
Discharge to	Distribution system
Notes	

## Instrumentation and Control

### SCADA System

SCADA System	A SCADA System
Flow Measurement Locations	One (1) Flowmeter on raw water header to two (2) dissolved air flotation tanks
	Three (3) Flowmeters, one (1) on each filter effluent pipe
	One (1) Flowmeter on treated water outlet to distribution system
Level Measurement Locations	Two (2) Level sensors one (1) in each clearwell (north and south)
Process Analyzer Locations	Three (3) Turbidity analyzers, one (1) on each filter effluent
	One (1) Turbidity analyzer on treated water outlet to distribution system
	Two (2) free chlorine analyzers, one (1) downstream of post chlorine addition prior to entering post contact tank and one (1) on treated water outlet to distribution system
Notes	

## Emergency Power

### Diesel Generator and Auto Transfer Switch

Description	500 kW diesel engine power generator set
Notes	Complete with automatic transfer switch

## Fuel Oil Systems

### Fuel Storage Locations

Location	44o11'37" N-77o2'53" W
Description	Diesel Fuel – 1000 litres
Fuel Type	Diesel
Source Protection Area	Quinte Jan 1,2015
Notes	Vulnerability score <10 Threat level low

## Elevated Storage Tanks

### Deseronto Standpipe

Location	Stanley Street, Deseronto
UTM Coordinates	NAD 83, UTM Zone 18: 344163 m E., 4901649 m N
Description	Storage standpipe
Dimensions	Total volume 1,135 m <sup>3</sup>
Notes	

## Watermains

### 1.2 Watermains within the distribution system comprise:

1.2.1 Watermains that have been set out in each document or file identified in column 1 of Table 1.

<b>Table 1: Watermains</b>	
Column 1 Document or File Name	Column 2 Date
Deseronto Atlas-2020.pdf	January 1, 2020
Deseronto WD map_central.pdf	January 1, 2020
Deseronto WD map_east.pdf	January 1, 2020
Deseronto WD map_west.pdf	January 1, 2020

1.2.2 Watermains that have been added, modified, replaced or extended further to the provisions of Schedule C of this drinking water works permit on or after the date identified in column 2 of Table 1 for each document or file identified in column 1.

1.2.3 Watermains that have been added, modified, replaced or extended further to an authorization by the Director on or after the date identified in column 2 of Table 1 for each document or file identified in column 1.

## Schedule B: General

System Owner	The Corporation of the Town of Deseronto
Permit Number	154-201
Drinking Water System Name	Deseronto Drinking Water System
Permit Effective Date	October 22, 2021

### 1.0 Applicability

- 1.1 In addition to any other applicable legal requirements, the drinking water system identified above shall be altered and operated in accordance with the conditions of this drinking water works permit and the licence #154-101.
- 1.2 The definitions and conditions of licence #154-101 are incorporated into this permit and also apply to this drinking water system.

### 2.0 Alterations to the Drinking Water System

- 2.1 Any document issued by the Director to be incorporated into Schedule C to this drinking water works permit shall provide authority to alter the drinking water system in accordance with the applicable conditions of this drinking water works permit and licence #154-101.
- 2.2 All documents issued by the Director as described in condition 2.1 shall form part of this drinking water works permit.
- 2.3 All parts of the drinking water system in contact with drinking water that are added, modified, replaced, extended shall be disinfected in accordance with a procedure approved by the Director or in accordance with the applicable provisions of the following documents:
- a) Until April 21, 2022 the ministry's Watermain Disinfection Procedure, dated November 2015. As of April 22, 2022 the ministry's Watermain Disinfection Procedure, dated August 1, 2020;
  - b) Subject to condition 2.3.2, any updated version of the ministry's Watermain Disinfection Procedure;
  - c) AWWA C652 – Standard for Disinfection of Water-Storage Facilities;
  - d) AWWA C653 – Standard for Disinfection of Water Treatment Plants; and
  - e) AWWA C654 – Standard for Disinfection of Wells.
- 2.3.1 For greater clarity, where an activity has occurred that could introduce contamination, including but not limited to repair, maintenance, or physical / video inspection, all equipment that may come in contact with the drinking water system shall be disinfected in accordance with the requirements of condition 2.3. above.
- 2.3.2 Updated requirements described in condition 2.3 b) are effective six months from the date of publication of the updated Watermain Disinfection Procedure.

- 
- 2.4 The owner shall notify the Director in writing within thirty (30) days of the placing into service or the completion of any addition, modification, replacement, removal or extension of the drinking water system which had been authorized through:
- 2.4.1 Schedule B to this drinking water works permit which would require an alteration of the description of a drinking water system component described in Schedule A of this drinking water works permit;
- 2.4.2 Any document to be incorporated in Schedule C to this drinking water works permit respecting works other than watermains; or
- 2.4.3 Any approval issued prior to the issue date of the first drinking water works permit respecting works other than watermains which were not in service at the time of the issuance of the first drinking water works permit.
- 2.5 The notification required in condition 2.4 shall be submitted using the "Director Notification Form" published by the Ministry.
- 2.6 For greater certainty, the notification requirements set out in condition 2.4 do not apply to any addition, modification, replacement, removal or extension in respect of the drinking water system which:
- 2.6.1 Is exempt from subsection 31(1) of the SDWA by subsection 9.(2) of O. Reg. 170/03;
- 2.6.2 Constitutes maintenance or repair of the drinking water system; or
- 2.6.3 Is a watermain authorized by condition 3.1 of Schedule B of this drinking water works permit.
- 2.7 The owner shall notify the legal owner of any part of the drinking water system that is prescribed as a municipal drinking water system by section 2 of O. Reg. 172/03 of the requirements of the licence and this drinking water works permit as applicable to the prescribed system.
- 2.8 For greater certainty, the owner may only carry out alterations to the drinking water system in accordance with this drinking water works permit after having satisfied other applicable legal obligations, including those arising from the *Environmental Assessment Act*, *Niagara Escarpment Planning and Development Act*, *Oak Ridges Moraine Conservation Act, 2001* and *Greenbelt Act, 2005*.

### 3.0 Watermain Additions, Modifications, Replacements and Extensions

- 3.1 The owner may alter the drinking water system, or permit it to be altered by a person acting on the owner's behalf, by adding, modifying, replacing or extending a watermain within the distribution system subject to the following conditions:
- 3.1.1 The design of the watermain addition, modification, replacement or extension:
- Has been prepared by a licensed engineering practitioner;
  - Has been designed only to transmit water and has not been designed to treat water;

- 
- c) Satisfies the design criteria set out in the Ministry publication “Watermain Design Criteria for Future Alterations Authorized under a Drinking Water Works Permit – June 2012”, as amended from time to time; and
  - d) Is consistent with or otherwise addresses the design objectives contained within the Ministry publication “Design Guidelines for Drinking Water Systems, 2008”, as amended from time to time.
- 3.1.2 The maximum demand for water exerted by consumers who are serviced by the addition, modification, replacement or extension of the watermain will not result in an exceedance of the rated capacity of a treatment subsystem or the maximum flow rate for a treatment subsystem component as specified in the licence, or the creation of adverse conditions within the drinking water system.
  - 3.1.3 The watermain addition, modification, replacement or extension will not adversely affect the distribution system’s ability to maintain a minimum pressure of 140 kPa at ground level at all points in the distribution system under maximum day demand plus fire flow conditions.
  - 3.1.4 Secondary disinfection will be provided to water within the added, modified, replaced or extended watermain to meet the requirements of O. Reg. 170/03.
  - 3.1.5 The watermain addition, modification, replacement or extension is wholly located within the municipal boundary over which the owner has jurisdiction.
  - 3.1.6 The owner of the drinking water system consents in writing to the watermain addition, modification, replacement or extension.
  - 3.1.7 A licensed engineering practitioner has verified in writing that the watermain addition, modification, replacement or extension meets the requirements of condition 3.1.1.
  - 3.1.8 The owner of the drinking water system has verified in writing that the watermain addition, modification, replacement or extension meets the requirements of conditions 3.1.2 to 3.1.6.
- 3.2 The authorization for the addition, modification, replacement or extension of a watermain provided for in condition 3.1 does not include the addition, modification, replacement or extension of a watermain that:
    - 3.2.1 Passes under or through a body of surface water, unless trenchless construction methods are used;
    - 3.2.2 Has a nominal diameter greater than 900 mm;
    - 3.2.3 Results in the fragmentation of the drinking water system; or
    - 3.2.4 Connects to another drinking water system, unless:
      - a) Prior to construction, the owner of the drinking water system seeking the connection obtains written consent from the owner or owner’s delegate of the drinking water system being connected to; and

- b) The owner of the drinking water system seeking the connection retains a copy of the written consent from the owner or owner's delegate of the drinking water system being connected to as part of the record that is recorded and retained under condition 3.3.
- 3.3 The verifications required in conditions 3.1.7 and 3.1.8 shall be:
- 3.3.1 Recorded on "Form 1 – Record of Watermains Authorized as a Future Alteration", as published by the Ministry, prior to the watermain addition, modification, replacement or extension being placed into service; and
- 3.3.2 Retained for a period of ten (10) years by the owner.
- 3.4 For greater certainty, the verification requirements set out in condition 3.3 do not apply to any addition, modification, replacement or extension in respect of the drinking water system which:
- 3.4.1 Is exempt from subsection 31(1) of the SDWA by subsection 9.(2) of O. Reg. 170/03; or
- 3.4.2 Constitutes maintenance or repair of the drinking water system.
- 3.5 The document or file referenced in Column 1 of Table 1 of Schedule A of this drinking water works permit that sets out watermains shall be retained by the owner and shall be updated to include watermain additions, modifications, replacements and extensions within 12 months of the addition, modification, replacement or extension.
- 3.6 The updates required by condition 3.5 shall include watermain location relative to named streets or easements and watermain diameter.
- 3.7 Despite clause (a) of condition 3.1.1 and condition 3.1.7, with respect to the replacement of an existing watermain or section of watermain that is 6.1 meters in length or less, if a licensed engineering practitioner has:
- 3.7.1 inspected the replacement prior to it being put into service;
- 3.7.2 prepared a report confirming that the replacement satisfies clauses (b), (c) and (d) of condition 3.1.1 (i.e. "Form 1 – Record of Watermains Authorized by a Future Alteration" (Form 1), Part 3, items No. 2, 3 and 4); and
- 3.7.3 appended the report referred to in condition 3.7.2 to the completed Form 1,
- the replacement is exempt from the requirements that the design of the replacement be prepared by a licensed engineering practitioner and that a licensed engineering practitioner verify on Form 1, Part 3, item No. 1 that a licensed engineering practitioner prepared the design of the replacement.
- 3.8 For greater certainty, the exemption in condition 3.7 does not apply to the replacement of an existing watermain or section of watermain if two or more sections of pipe, each of which is 6.1 meters in length or less, are joined together, if the total length of replacement pipes joined together is greater than 6.1 meters.



## 4.0 Minor Modifications to the Drinking Water System

- 4.1 The drinking water system may be altered by adding, modifying or replacing the following components in the drinking water system:
- 4.1.1 Coagulant feed systems in the treatment system, including the location and number of dosing points:
    - a) Prior to making any alteration to the drinking water system under condition 4.1.1, the owner shall undertake a review of the impacts that the alteration might have on corrosion control or other treatment processes; and
    - b) The owner shall notify the Director in writing within thirty (30) days of any alteration made under condition 4.1.1 and shall provide the Director with a copy of the review.
    - c) The notification required in condition 4.1.1 b) shall be submitted using the "Director Notification Form" published by the Ministry
  - 4.1.2 Instrumentation and controls, including new SCADA systems and upgrades to SCADA system hardware;
  - 4.1.3 SCADA system software or programming that:
    - a) Measures, monitors or reports on a regulated parameter;
    - b) Measures, monitor or reports on a parameter that is used to calculate CT; or,
    - c) Calculates CT for the system or is part of the process algorithm that calculates log removal, where the impacts of addition, modification or replacement have been reviewed by a licensed engineering practitioner;
  - 4.1.4 Filter media, backwashing equipment, filter troughs, and under-drains and associated equipment in the treatment system;
  - 4.1.5 Spill containment works; or,
  - 4.1.6 Coarse screens and fine screens
- 4.2 The drinking water system may be altered by adding, modifying, replacing or removing the following components in the drinking water system:
- 4.2.1 Treated water pumps, pressure tanks, and associated equipment;
  - 4.2.2 Raw water pumps and process pumps in the treatment system;
  - 4.2.3 Inline booster pumping stations that are not associated with distribution system storage facilities and are on a watermain with a nominal diameter not exceeding 200 mm;
  - 4.2.4 Re-circulation devices within distribution system storage facilities;
  - 4.2.5 In-line mixing equipment;

- 
- 4.2.6 Chemical metering pumps and chemical handling pumps;
  - 4.2.7 Chemical storage tanks (excluding fuel storage tanks) and associated equipment; or,
  - 4.2.8 Measuring and monitoring devices that are not required by regulation, by a condition in the Drinking Water Works Permit, or by a condition otherwise imposed by the Ministry.
  - 4.2.9 Chemical injection points;
  - 4.2.10 Valves.
- 4.3 The drinking water system may be altered by replacing the following:
- 4.3.1 Raw water piping, treatment process piping or treated water piping within the treatment subsystem;
  - 4.3.2 Measuring and monitoring devices that are required by regulation, by a condition in the Drinking Water Works Permit or by a condition otherwise imposed by the Ministry.
  - 4.3.3 Coagulants and pH adjustment chemicals, where the replacement chemicals perform the same function;
    - a) Prior to making any alteration to the drinking water system under condition 4.3.3, the owner shall undertake a review of the impacts that the alteration might have on corrosion control or other treatment processes; and
    - b) The owner shall notify the Director in writing within thirty (30) days of any alteration made under condition 4.3.3 and shall provide the Director with a copy of the review.
    - c) The notification required in condition 4.3.3 b) shall be submitted using the "Director Notification Form" published by the Ministry.
- 4.4 Any alteration of the drinking water system made under conditions 4.1, 4.2 or 4.3 shall not result in:
- 4.4.1 An exceedance of a treatment subsystem rated capacity or a treatment subsystem component maximum flow rate as specified in the licence;
  - 4.4.2 The bypassing or removal of any unit process within a treatment subsystem;
  - 4.4.3 The addition of any new unit process other than coagulation within a treatment subsystem;
  - 4.4.4 A deterioration in the quality of drinking water provided to consumers;
  - 4.4.5 A reduction in the reliability or redundancy of any component of the drinking water system;

- 
- 4.4.6 A negative impact on the ability to undertake compliance and other monitoring necessary for the operation of the drinking water system; or
  - 4.4.7 An adverse effect on the environment.
  - 4.5 The owner shall verify in writing that any addition, modification, replacement or removal of drinking water system components in accordance with conditions 4.1, 4.2 or 4.3 has met the requirements of the conditions listed in condition 4.4.
  - 4.6 The verifications and documentation required in condition 4.5 shall be:
    - 4.6.1 Recorded on “Form 2 – Record of Minor Modifications or Replacements to the Drinking Water System” published by the Ministry, prior to the modified or replaced components being placed into service; and
    - 4.6.2 Retained for a period of ten (10) years by the owner.
  - 4.7 For greater certainty, the verification requirements set out in conditions 4.5 and 4.6 do not apply to any addition, modification, replacement or removal in respect of the drinking water system which:
    - 4.7.1 Is exempt from subsection 31(1) of the SDWA by subsection 9.(2) of O. Reg. 170/03; or
    - 4.7.2 Constitutes maintenance or repair of the drinking water system, including software changes to a SCADA system that are not listed in condition 4.1.3
  - 4.8 The owner shall update any drawings maintained for the drinking water system to reflect the modification or replacement of the works, where applicable.

## 5.0 Equipment with Emissions to the Air

- 5.1 The drinking water system may be altered by adding, modifying or replacing any of the following drinking water system components that may discharge or alter the rate or manner of a discharge of a compound of concern to the air:
  - 5.1.1 Any equipment, apparatus, mechanism or thing that is used for the transfer of outdoor air into a building or structure that is not a cooling tower;
  - 5.1.2 Any equipment, apparatus, mechanism or thing that is used for the transfer of indoor air out of a space used for the production, processing, repair, maintenance or storage of goods or materials, including chemical storage;
  - 5.1.3 Laboratory fume hoods used for drinking water testing, quality control and quality assurance purposes;
  - 5.1.4 Low temperature handling of compounds with a vapor pressure of less than 1 kilopascal;
  - 5.1.5 Maintenance welding stations;
  - 5.1.6 Minor painting operations used for maintenance purposes;

- 5.1.7 Parts washers for maintenance shops;
  - 5.1.8 Emergency chlorine and ammonia gas scrubbers and absorbers;
  - 5.1.9 Venting for activated carbon units for drinking water taste and odour control;
  - 5.1.10 Venting for a stripping unit for methane removal from a groundwater supply;
  - 5.1.11 Venting for an ozone treatment unit;
  - 5.1.12 Natural gas or propane fired boilers, water heaters, space heaters and make-up air units with a total facility-wide heat input rating of less than 20 million kilojoules per hour, and with an individual fuel energy input of less than or equal to 10.5 gigajoules per hour; or
  - 5.1.13 Emergency generators that fire No. 2 fuel oil (diesel fuel) with a sulphur content of 0.5 per cent or less measured by weight, natural gas, propane, gasoline or biofuel, and that are used for emergency duty only with periodic testing.
- 5.2 The owner shall not make an addition, modification, or replacement described in condition 5.1 in relation to an activity that is not related to the treatment and/or distribution of drinking water.
- 5.3 The emergency generators identified in condition 5.1.13 shall not be used for non-emergency purposes including the generation of electricity for sale or for peak shaving purposes.
- 5.4 The owner shall prepare an emission summary table for nitrogen oxides emissions only, for each addition, modification or replacement of emergency generators identified in condition 5.1.13.

### Performance Limits

- 5.5 The owner shall ensure that a drinking water system component identified in conditions 5.1.1 to 5.1.13 is operated at all times to comply with the following limits:
- 5.5.1 For equipment other than emergency generators, the maximum concentration of any compound of concern at a point of impingement shall not exceed the corresponding point of impingement limit;
  - 5.5.2 For emergency generators, the maximum concentration of nitrogen oxides at sensitive receptors shall not exceed the applicable point of impingement limit, and at non-sensitive receptors shall not exceed the Ministry half-hourly screening level of 1880 ug/m<sup>3</sup> as amended; and
  - 5.5.3 The noise emissions comply at all times with the limits set out in publication NPC-300, as applicable.
- 5.6 The owner shall verify in writing that any addition, modification or replacement of works in accordance with condition 5.1 has met the requirements of the conditions listed in condition 5.5.

- 5.7 The owner shall document how compliance with the performance limits outlined in condition 5.5.3 is being achieved, through noise abatement equipment and/or operational procedures.
- 5.8 The verifications and documentation required in conditions 5.6 and 5.7 shall be:
- 5.8.1 Recorded on "Form 3 – Record of Addition, Modification or Replacement of Equipment Discharging a Contaminant of Concern to the Atmosphere", as published by the Ministry, prior to the additional, modified or replacement equipment being placed into service; and
- 5.8.2 Retained for a period of ten (10) years by the owner.
- 5.9 For greater certainty, the verification and documentation requirements set out in conditions 5.6 and 5.8 do not apply to any addition, modification or replacement in respect of the drinking water system which:
- 5.9.1 Is exempt from subsection 31(1) of the SDWA by subsection 9.(2) of O. Reg. 170/03; or
- 5.9.2 Constitutes maintenance or repair of the drinking water system.
- 5.10 The owner shall update any drawings maintained for the works to reflect the addition, modification or replacement of the works, where applicable.

## 6.0 Previously Approved Works

- 6.1 The owner may add, modify, replace or extend, and operate part of a municipal drinking water system if:
- 6.1.1 An approval was issued after January 1, 2004 under section 36 of the SDWA in respect of the addition, modification, replacement or extension and operation of that part of the municipal drinking water system;
- 6.1.2 The approval expired by virtue of subsection 36(4) of the SDWA; and
- 6.1.3 The addition, modification, replacement or extension commenced within five years of the date that activity was approved by the expired approval.

## 7.0 System-Specific Conditions

- 7.1 Not Applicable

## 8.0 Source Protection

- 8.1 Not Applicable

## Schedule C: Authorization to Alter the Drinking Water System

System Owner	The Corporation of the Town of Deseronto
Permit Number	154-201
Drinking Water System Name	Deseronto Drinking Water System
Permit Effective Date	October 22, 2021

### 1.0 General

1.1 Table 2 provides a reference list of all documents to be incorporated into Schedule C that have been issued as of the date that this permit was issued.

1.1.1 Table 2 is not intended to be a comprehensive list of all documents that are part of Schedule C. For clarity, any document issued by the Director to be incorporated into Schedule C after this permit has been issued is considered part of this drinking water works permit.

<b>Table 2: Schedule C Documents</b>				
Column 1 Issue #	Column 2 Issued Date	Column 3 Description	Column 4 Status	Column 5 DN#
1	August 14, 2014	Water Treatment Plant - Raw Water Transmission Upgrade.	Archived	1
2	December 21, 2017	WTP upgrades	Archived	5

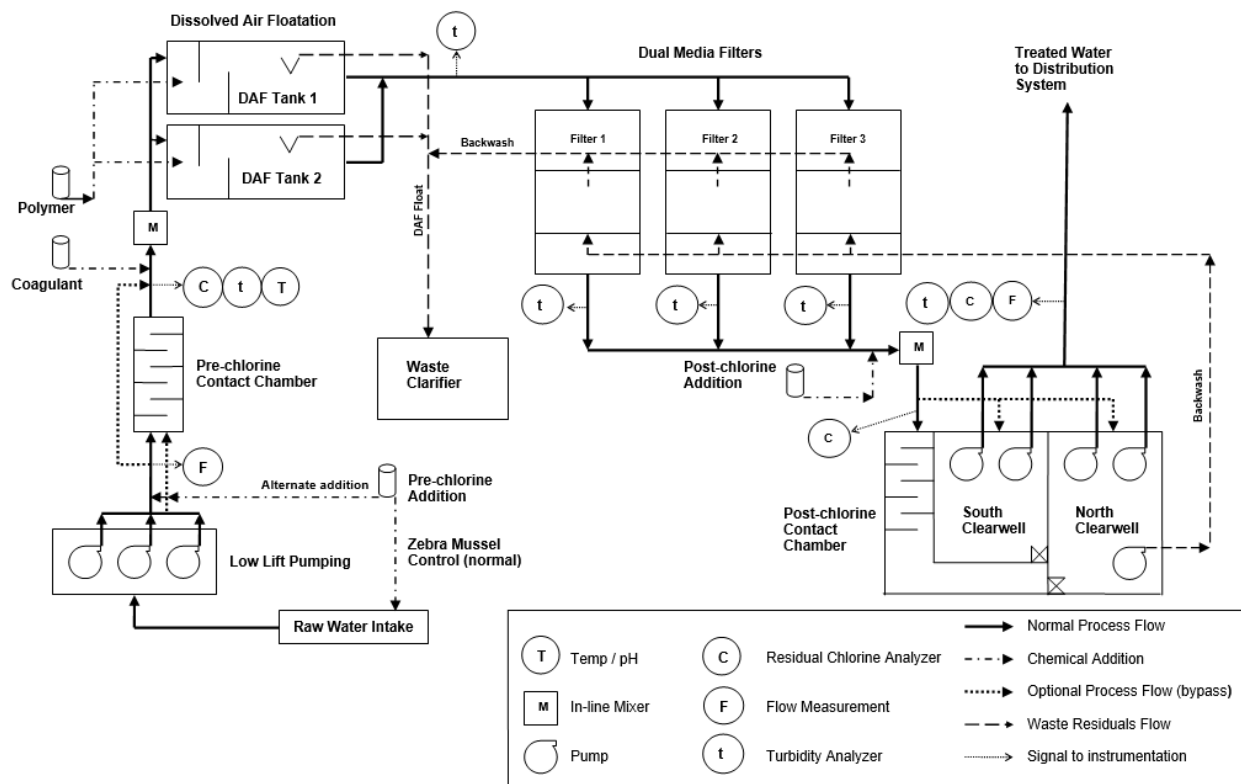
1.2 For each document described in columns 1, 2 and 3 of Table 2, the status of the document is indicated in column 4. Where this status is listed as 'Archived', the approved alterations have been completed and relevant portions of this permit have been updated to reflect the altered works. These 'Archived' Schedule C documents remain as a record of the alterations.

## Schedule D: Process Flow Diagrams

System Owner	The Corporation of the Town of Deseronto
Permit Number	154-201
Drinking Water System Name	Deseronto Drinking Water System
Permit Effective Date	October 22, 2021

### 1.0 Process Flow Diagrams

#### Deseronto Drinking Water System



[Source: Galt, Rob. Email to Riaz ul Haq. April 16, 2021]

Note: this process flow diagram is for reference only and represents a high-level overview of the system as of August 11, 2021.

**APPENDIX B**  
**PERMIT TO TAKE WATER**



**PERMIT TO TAKE WATER**  
Surface Water  
NUMBER **6262-98DPFG**

*Pursuant to Section 34 of the Ontario Water Resources Act, R.S.O. 1990 this Permit To Take Water is hereby issued to:*

The Corporation of the Town of Deseronto  
331 Main Street, P.O. Box 310  
Deseronto, Ontario  
K0K 1X0  
Canada

*For the water  
taking from:* Bay of Quinte

*Located at:* Part Lot A, Reference Plan 162  
Deseronto, County of Hastings

*For the purposes of this Permit, and the terms and conditions specified below, the following definitions apply:*

**DEFINITIONS**

- (a) "Director" means any person appointed in writing as a Director pursuant to section 5 of the OWRA for the purposes of section 34, OWRA.
- (b) "Provincial Officer" means any person designated in writing by the Minister as a Provincial Officer pursuant to section 5 of the OWRA.
- (c) "Ministry" means Ontario Ministry of the Environment.
- (d) "District Office" means the Belleville District Office.
- (e) "Permit" means this Permit to Take Water No. 6262-98DPFG including its Schedules, if any, issued in accordance with Section 34 of the OWRA.
- (f) "Permit Holder" means The Corporation of the Town of Deseronto.
- (g) "OWRA " means the *Ontario Water Resources Act*, R.S.O. 1990, c. O. 40, as amended.



*You are hereby notified that this Permit is issued subject to the terms and conditions outlined below:*

## **TERMS AND CONDITIONS**

### **1. Compliance with Permit**

- 1.1 Except where modified by this Permit, the water taking shall be in accordance with the application for this Permit To Take Water, dated February 4, 2013 and signed by Todd Harvey, and all Schedules included in this Permit.
- 1.2 The Permit Holder shall ensure that any person authorized by the Permit Holder to take water under this Permit is provided with a copy of this Permit and shall take all reasonable measures to ensure that any such person complies with the conditions of this Permit.
- 1.3 Any person authorized by the Permit Holder to take water under this Permit shall comply with the conditions of this Permit.
- 1.4 This Permit is not transferable to another person.
- 1.5 This Permit provides the Permit Holder with permission to take water in accordance with the conditions of this Permit, up to the date of the expiry of this Permit. This Permit does not constitute a legal right, vested or otherwise, to a water allocation, and the issuance of this Permit does not guarantee that, upon its expiry, it will be renewed.
- 1.6 The Permit Holder shall keep this Permit available at all times at or near the site of the taking, and shall produce this Permit immediately for inspection by a Provincial Officer upon his or her request.
- 1.7 The Permit Holder shall report any changes of address to the Director within thirty days of any such change. The Permit Holder shall report any change of ownership of the property for which this Permit is issued within thirty days of any such change. A change in ownership in the property shall cause this Permit to be cancelled.

### **2. General Conditions and Interpretation**

- 2.1 Inspections  
The Permit Holder must forthwith, upon presentation of credentials, permit a Provincial Officer to carry out any and all inspections authorized by the OWRA, the *Environmental Protection Act*, R.S.O. 1990, the *Pesticides Act*, R.S.O. 1990, or the *Safe Drinking Water Act*, S. O. 2002.

## 2.2 Other Approvals

The issuance of, and compliance with this Permit, does not:

- (a) relieve the Permit Holder or any other person from any obligation to comply with any other applicable legal requirements, including the provisions of the *Ontario Water Resources Act* , and the *Environmental Protection Act* , and any regulations made thereunder; or
- (b) limit in any way any authority of the Ministry, a Director, or a Provincial Officer, including the authority to require certain steps be taken or to require the Permit Holder to furnish any further information related to this Permit.

## 2.3 Information

The receipt of any information by the Ministry, the failure of the Ministry to take any action or require any person to take any action in relation to the information, or the failure of a Provincial Officer to prosecute any person in relation to the information, shall not be construed as:

- (a) an approval, waiver or justification by the Ministry of any act or omission of any person that contravenes this Permit or other legal requirement; or
- (b) acceptance by the Ministry of the information's completeness or accuracy.

## 2.4 Rights of Action

The issuance of, and compliance with this Permit shall not be construed as precluding or limiting any legal claims or rights of action that any person, including the Crown in right of Ontario or any agency thereof, has or may have against the Permit Holder, its officers, employees, agents, and contractors.

## 2.5 Severability

The requirements of this Permit are severable. If any requirements of this Permit, or the application of any requirements of this Permit to any circumstance, is held invalid or unenforceable, the application of such requirements to other circumstances and the remainder of this Permit shall not be affected thereby.

## 2.6 Conflicts

Where there is a conflict between a provision of any submitted document referred to in this Permit, including its Schedules, and the conditions of this Permit, the conditions in this Permit shall take precedence.

# 3. Water Takings Authorized by This Permit

## 3.1 Expiry

This Permit expires on **June 1, 2023**. No water shall be taken under authority of this Permit after the expiry date.

### 3.2 Amounts of Taking Permitted

The Permit Holder shall only take water from the source, during the periods and at the rates and amounts of taking specified in Table A. Water takings are authorized only for the purposes specified in Table A.

**Table A**

	Source Name / Description:	Source: Type:	Taking Specific Purpose:	Taking Major Category:	Max. Taken per Minute (litres):	Max. Num. of Hrs Taken per Day:	Max. Taken per Day (litres):	Max. Num. of Days Taken per Year:	Zone/ Easting/ Northing:
1	Bay of Quinte	Lake	Municipal	Water Supply	2,050	24	2,946,000	365	18 336340 4895414
						<b>Total Taking:</b>	2,946,000		

## 4. Monitoring

4.1 The Permit Holder shall, on each day water is taken under the authorization of this Permit, record the date, the volume of water taken on that date and the rate at which it was taken. The daily volume of water taken shall be measured by a flow meter or calculated in accordance with the method described in the application for this Permit or as otherwise accepted by the Director. A separate record shall be maintained for each source. The Permit Holder shall keep all records required by this condition current and available at or near the site of the taking and shall produce the records immediately for inspection by a Provincial Officer upon his or her request. The Permit Holder, unless otherwise required by the Director, shall submit, on or before March 31<sup>st</sup> in every year, the daily water taking data collected and recorded for the previous year to the ministry's Water Taking Reporting System.

## 5. Impacts of the Water Taking

### 5.1 Notification

The Permit Holder shall immediately notify the local District Office of any complaint arising from the taking of water authorized under this Permit and shall report any action which has been taken or is proposed with regard to such complaint. The Permit Holder shall immediately notify the local District Office if the taking of water is observed to have any significant impact on the surrounding waters. After hours, calls shall be directed to the Ministry's Spills Action Centre at 1-800-268-6060.

5.2 For Surface-Water Takings

The taking of water (including the taking of water into storage and the subsequent or simultaneous withdrawal from storage) shall be carried out in such a manner that streamflow is not stopped and is not reduced to a rate that will cause interference with downstream uses of water or with the natural functions of the stream.

**6. Director May Amend Permit**

The Director may amend this Permit by letter requiring the Permit Holder to suspend or reduce the taking to an amount or threshold specified by the Director in the letter. The suspension or reduction in taking shall be effective immediately and may be revoked at any time upon notification by the Director. This condition does not affect your right to appeal the suspension or reduction in taking to the Environmental Review Tribunal under the *Ontario Water Resources Act*, Section 100 (4).

*The reasons for the imposition of these terms and conditions are as follows:*

1. Condition 1 is included to ensure that the conditions in this Permit are complied with and can be enforced.
2. Condition 2 is included to clarify the legal interpretation of aspects of this Permit.
3. Conditions 3 through 6 are included to protect the quality of the natural environment so as to safeguard the ecosystem and human health and foster efficient use and conservation of waters. These conditions allow for the beneficial use of waters while ensuring the fair sharing, conservation and sustainable use of the waters of Ontario. The conditions also specify the water takings that are authorized by this Permit and the scope of this Permit.

*In accordance with Section 100 of the Ontario Water Resources Act, R.S.O. 1990, you may by written notice served upon me, the Environmental Review Tribunal and the Environmental Commissioner, **Environmental Bill of Rights**, R.S.O. 1993, Chapter 28, within 15 days after receipt of this Notice, require a hearing by the Tribunal. The Environmental Commissioner will place notice of your appeal on the Environmental Registry. Section 101 of the Ontario Water Resources Act, as amended provides that the Notice requiring a hearing shall state:*

1. The portions of the Permit or each term or condition in the Permit in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

*In addition to these legal requirements, the Notice should also include:*

3. The name of the appellant;
4. The address of the appellant;
5. The Permit to Take Water number;
6. The date of the Permit to Take Water;
7. The name of the Director;
8. The municipality within which the works are located;

*This notice must be served upon:*

*The Secretary  
Environmental Review Tribunal  
655 Bay Street, 15th Floor  
Toronto ON  
M5G 1E5  
Fax: (416) 314-4506  
Email:  
ERTTribunalsecretary@ontario.ca*

*AND*

*The Environmental Commissioner  
1075 Bay Street  
6th Floor, Suite 605  
Toronto, Ontario M5S 2W5*

*AND*

*The Director, Section 34  
Ministry of the Environment  
1259 Gardiners Rd, PO Box  
22032  
Kingston, ON  
K7P 3J6*

***Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal:***

***by telephone at (416) 314-4600***

***by fax at (416) 314-4506***

***by e-mail at [www.ert.gov.on.ca](http://www.ert.gov.on.ca)***

*This instrument is subject to Section 38 of the **Environmental Bill of Rights** that allows residents of Ontario to seek leave to appeal the decision on this instrument. Residents of Ontario may seek to appeal for 15 days from the date this decision is placed on the Environmental Registry. By accessing the Environmental Registry, you can determine when the leave to appeal period ends.*

This Permit cancels and replaces Permit Number 89-P-4028, issued on 2003/05/02.

Dated at Kingston this 6th day of June, 2013.



Gillian Dagg-Foster

Director, Section 34  
*Ontario Water Resources Act* , R.S.O. 1990



**Schedule A**

This Schedule "A" forms part of Permit To Take Water 6262-98DPFG, dated June 6, 2013.

**APPENDIX C**  
**STAKEHOLDER SUPPORT**

# Key Reference and Guidance Material for Municipal Residential Drinking Water Systems

Many useful materials are available to help you operate your drinking water system. Below is a list of key materials owners and operators of municipal residential drinking water systems frequently use.

To access these materials online click on their titles in the table below or use your web browser to search for their titles. Contact the Ministry if you need assistance or have questions at 1-866-793-2588 or [waterforms@ontario.ca](mailto:waterforms@ontario.ca).

For more information on Ontario's drinking water visit [www.ontario.ca/drinkingwater](http://www.ontario.ca/drinkingwater)



PUBLICATION TITLE	PUBLICATION NUMBER
<b>FORMS:</b> Drinking Water System Profile Information Laboratory Services Notification Adverse Test Result Notification	012-2149E 012-2148E 012-4444E
Taking Care of Your Drinking Water: A Guide for Members of Municipal Councils	Website
Procedure for Disinfection of Drinking Water in Ontario	Website
Strategies for Minimizing the Disinfection Products Trihalomethanes and Haloacetic Acids	Website
Filtration Processes Technical Bulletin	Website
Ultraviolet Disinfection Technical Bulletin	Website
Guide for Applying for Drinking Water Works Permit Amendments, & License Amendments	Website
Certification Guide for Operators and Water Quality Analysts	Website
Guide to Drinking Water Operator Training Requirements	9802E
Community Sampling and Testing for Lead: Standard and Reduced Sampling and Eligibility for Exemption	Website
Drinking Water System Contact List	7128E01
Ontario's Drinking Water Quality Management Standard - Pocket Guide	Website
Watermain Disinfection Procedure	Website
List of Licensed Laboratories	Website

# Principaux guides et documents de référence sur les réseaux résidentiels municipaux d'eau potable

De nombreux documents utiles peuvent vous aider à exploiter votre réseau d'eau potable. Vous trouverez ci-après une liste de documents que les propriétaires et exploitants de réseaux résidentiels municipaux d'eau potable utilisent fréquemment. Pour accéder à ces documents en ligne, cliquez sur leur titre dans le tableau ci-dessous ou faites une recherche à l'aide de votre navigateur Web. Communiquez avec le ministère au 1-866-793-2588, ou encore à [waterforms@ontario.ca](mailto:waterforms@ontario.ca) si vous avez des questions ou besoin d'aide.



Pour plus de renseignements sur l'eau potable en Ontario, consultez le site [www.ontario.ca/eaupotable](http://www.ontario.ca/eaupotable)

TITRE DE LA PUBLICATION	NUMÉRO DE PUBLICATION
Renseignements sur le profil du réseau d'eau potable	012-2149F
Avis de demande de services de laboratoire	012-2148F
Avis de résultats d'analyse insatisfaisants et de règlement des problèmes	012-4444F
Prendre soin de votre eau potable - Un guide destiné aux membres des conseils municipaux	Site Web
Marche à suivre pour désinfecter l'eau potable en Ontario	Site Web
Stratégies pour minimiser les trihalométhanes et les acides haloacétiques de sous-produits de désinfection	Site Web
Filtration Processes Technical Bulletin (en anglais seulement)	Site Web
Ultraviolet Disinfection Technical Bulletin (en anglais seulement)	Site Web
Guide de présentation d'une demande de modification du permis d'aménagement de station de production d'eau potable	Site Web
Guide sur l'accréditation des exploitants de réseaux d'eau potable et des analystes de la qualité de l'eau de réseaux d'eau potable	Site Web
Guide sur les exigences relatives à la formation des exploitants de réseaux d'eau potable	9802F
Échantillonnage et analyse du plomb dans les collectivités : échantillonnage normalisé ou réduit et admissibilité à l'exemption	Site Web
Liste des personnes-ressources du réseau d'eau potable	Site Web
L'eau potable en Ontario - Norme de gestion de la qualité - Guide de poche	Site Web
Procédure de désinfection des conduites principales	Site Web
Laboratoires autorisés	Site Web

**APPENDIX D**  
**INSPECTION RATING REPORT**

**DWS Name:** DESERONTO DRINKING WATER SYSTEM  
**DWS Number:** 220001593  
**DWS Owner:** CORPORATION OF THE TOWN OF DESERONTO  
**Municipal Location:** DESERONTO

**Regulation:** O.REG. 170/03  
**DWS Category:** DW Municipal Residential  
**Type of Inspection:** Focused  
**Inspection Date:** Jul-19-23  
**Ministry Office:** Belleville Area Office

**Maximum Risk Rating:** 510

Inspection Module	Non Compliance Risk (X out of Y)
Capacity Assessment	0/30
Certification and Training	0/42
Logbooks	0/18
Operations Manuals	0/28
Reporting & Corrective Actions	4/70
Source	0/0
Treatment Processes	0/210
Water Quality Monitoring	0/112
<b>Overall - Calculated</b>	<b>4/510</b>

**Inspection Risk Rating:** 0.78%

**Final Inspection Rating:** 99.22%

**DWS Name:** DESERONTO DRINKING WATER SYSTEM  
**DWS Number:** 220001593  
**DWS Owner Name:** CORPORATION OF THE TOWN OF DESERONTO  
**Municipal Location:** DESERONTO

**Regulation:** O.REG. 170/03  
**DWS Category:** DW Municipal Residential  
**Type of Inspection:** Focused  
**Inspection Date:** Jul-19-23  
**Ministry Office:** Belleville Area Office

Non-Compliance Question(s)	Non Compliance Risk
<b>Reporting &amp; Corrective Actions</b>	
Have all changes to the system registration information been provided to the Ministry within ten (10) days of the change?	4
<b>Overall - Total</b>	<b>4</b>

**Maximum Question Rating:** 510

**Inspection Risk Rating:** 0.78%

**FINAL INSPECTION RATING:** 99.22%

# APPLICATION OF THE RISK METHODOLOGY USED FOR MEASURING MUNICIPAL RESIDENTIAL DRINKING WATER SYSTEM INSPECTION RESULTS



The Ministry of the Environment (MOE) has a rigorous and comprehensive inspection program for municipal residential drinking water systems (MRDWS). Its objective is to determine the compliance of MRDWS with requirements under the Safe Drinking Water Act and associated regulations. It is the responsibility of the municipal residential drinking water system owner to ensure their drinking water systems are in compliance with all applicable legal requirements.

This document describes the risk rating methodology, which has been applied to the findings of the Ministry's MRDWS inspection

results since fiscal year 2008-09. The primary goals of this assessment are to encourage ongoing improvement of these systems and to establish a way to measure this progress.

MOE reviews the risk rating methodology every three years.

The Ministry's Municipal Residential Drinking Water Inspection Protocol contains 15 inspection modules consisting of approximately 100 regulatory questions. Those protocol questions are also linked to definitive guidance that ministry inspectors use when conducting MRDWS inspections.

[ontario.ca/drinkingwater](http://ontario.ca/drinkingwater)



The questions address a wide range of regulatory issues, from administrative procedures to drinking water quality monitoring. The inspection protocol also contains a number of non-regulatory questions.

A team of drinking water specialists in the ministry assessed each of the inspection protocol regulatory questions to determine the risk (not complying with the regulation) to the delivery of safe drinking water. This assessment was based on established provincial risk assessment principles, with each question receiving a risk rating referred to as the Question Risk Rating. Based on the number of areas where a system is deemed to be non-compliant during the inspection, and the significance of these areas to administrative, environmental, and health consequences, a risk-based inspection rating is calculated by the ministry for each drinking water system.

It is important to be aware that an inspection rating less than 100 per cent does not mean the drinking water from the system is unsafe. It shows areas where a system’s operation can improve. The ministry works with owners and operators of systems to make sure they know what they need to do to achieve full compliance.

The inspection rating reflects the inspection results of the specific drinking water system for the reporting year. Since the methodology is applied consistently over a period of years, it serves as a comparative measure both provincially and in relation to the individual system. Both the drinking water system and the public are able to track the performance over time, which encourages continuous improvement and allows systems to identify specific areas requiring attention.

The ministry’s annual inspection program is an important aspect of our drinking water safety net. The ministry and its partners share a common commitment to excellence and we continue to work toward the goal of 100 per cent regulatory compliance.

## Determining Potential to Compromise the Delivery of Safe Water

The risk management approach used for MRDWS is aligned with the Government of Ontario’s Risk Management Framework. Risk management is a systematic approach to identifying potential hazards, understanding the likelihood and consequences of the hazards, and taking steps to reduce their risk if necessary and as appropriate.

The Risk Management Framework provides a formula to be used in the determination of risk:

$$\text{RISK} = \text{LIKELIHOOD} \times \text{CONSEQUENCE}$$

(of the consequence)

Every regulatory question in the inspection protocol possesses a likelihood value (L) for an assigned consequence value (C) as described in **Table 1** and **Table 2**.

TABLE 1:	
Likelihood of Consequence Occurring	Likelihood Value
0% - 0.99% (Possible but Highly Unlikely)	L = 0
1 – 10% (Unlikely)	L = 1
11 – 49% (Possible)	L = 2
50 – 89% (Likely)	L = 3
90 – 100% (Almost Certain)	L = 4

TABLE 2:	
Consequence	Consequence Value
Medium Administrative Consequence	C = 1
Major Administrative Consequence	C = 2
Minor Environmental Consequence	C = 3
Minor Health Consequence	C = 4
Medium Environmental Consequence	C = 5
Major Environmental Consequence	C = 6
Medium Health Consequence	C = 7
Major Health Consequence	C = 8

The consequence values (0 through 8) are selected to align with other risk-based programs and projects currently under development or in use within the ministry as outlined in **Table 2**.

The Question Risk Rating for each regulatory inspection question is derived from an evaluation of every identified consequence and its corresponding likelihood of occurrence:

- All levels of consequence are evaluated for their potential to occur
- Greatest of all the combinations is selected.

The Question Risk Rating quantifies the risk of non-compliance of each question relative to the others. Questions with higher values are those with a potentially more significant impact on drinking water safety and a higher likelihood of occurrence. The highest possible value would be 32 (4×8) and the lowest would be 0 (0×1).

**Table 3** presents a sample question showing the risk rating determination process.

**TABLE 3:**

**Does the Operator in Charge ensure that the equipment and processes are monitored, inspected and evaluated?**

**Risk = Likelihood × Consequence**

C=1	C=2	C=3	C=4	C=5	C=6	C=7	C=8
<b>Medium</b> Administrative Consequence	<b>Major</b> Administrative Consequence	<b>Minor</b> Environmental Consequence	<b>Minor</b> Health Consequence	<b>Medium</b> Environmental Consequence	<b>Major</b> Environmental Consequence	<b>Medium</b> Health Consequence	<b>Major</b> Health Consequence
L=4 (Almost Certain)	L=1 (Unlikely)	L=2 (Possible)	L=3 (Likely)	L=3 (Likely)	L=1 (Unlikely)	L=3 (Likely)	L=2 (Possible)
<b>R=4</b>	<b>R=2</b>	<b>R=6</b>	<b>R=12</b>	<b>R=15</b>	<b>R=6</b>	<b>R=21</b>	<b>R=16</b>

### Application of the Methodology to Inspection Results

Based on the results of a MRDWS inspection, an overall inspection risk rating is calculated. During an inspection, inspectors answer the questions related to regulatory compliance and input their “yes”, “no” or “not applicable” responses into the Ministry’s Laboratory and Waterworks Inspection System (LWIS) database. A “no” response indicates non-compliance. The maximum number of regulatory questions asked by an inspector varies by: system (i.e., distribution, stand-alone); type of inspection (i.e., focused, detailed); and source type (i.e., groundwater, surface water).

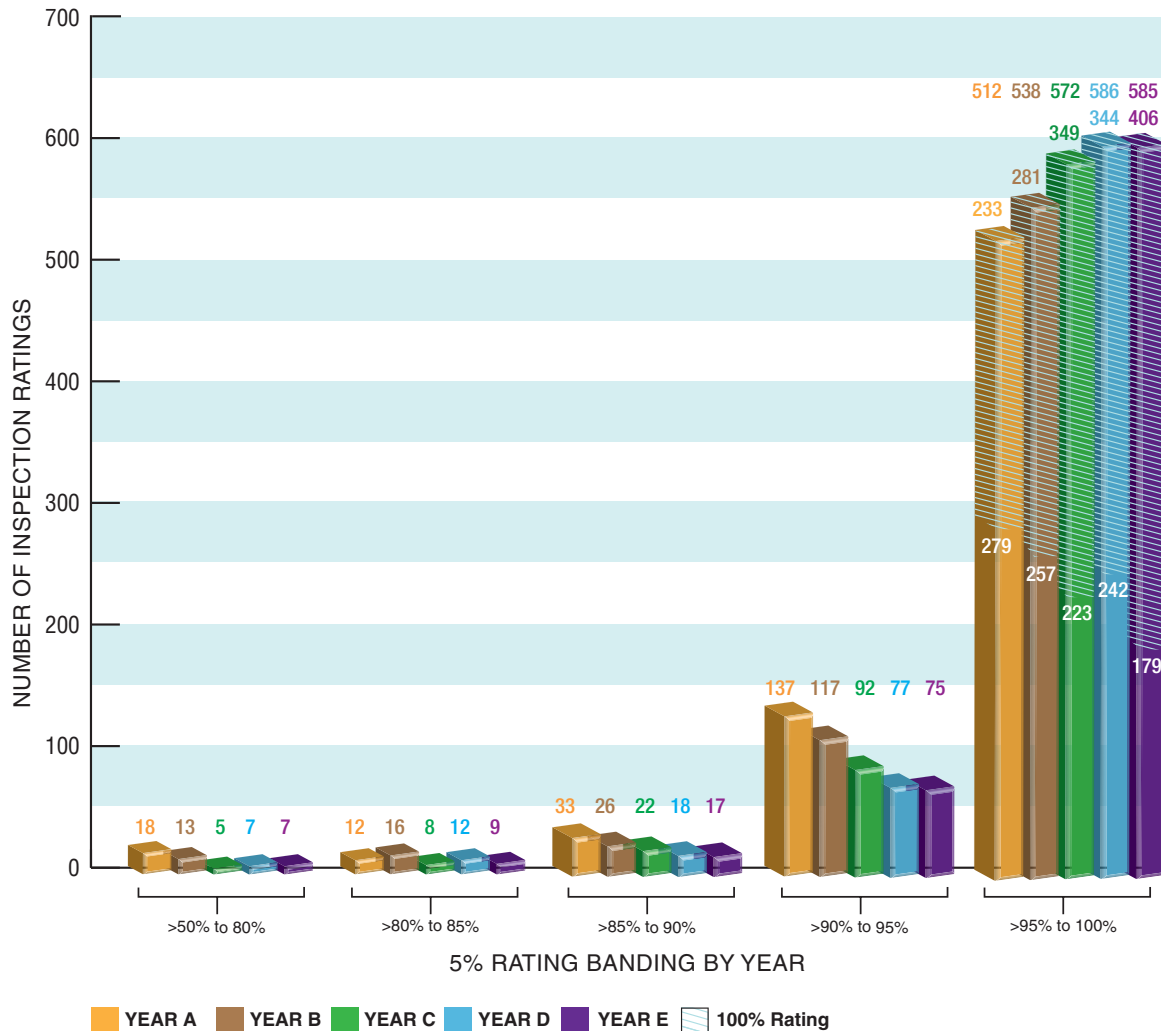
The risk ratings of all non-compliant answers are summed and divided by the sum of the risk ratings of all questions asked (maximum question rating). The resulting inspection risk rating (as a percentage) is subtracted from 100 per cent to arrive at the final inspection rating.

## Application of the Methodology for Public Reporting

The individual MRDWS Total Inspection Ratings are published with the ministry's Chief Drinking Water Inspector's Annual Report.

**Figure 1** presents the distribution of MRDWS ratings for a sample of annual inspections. Individual drinking water systems can compare against all the other inspected facilities over a period of inspection years.

**Figure 1: Year Over Year Distribution of MRDWS Ratings**



## Reporting Results to MRDWS Owners/Operators

A summary of inspection findings for each system is generated in the form of an Inspection Rating Record (IRR). The findings are grouped into the 15 possible modules of the inspection protocol,

which would provide the system owner/operator with information on the areas where they need to improve. The 15 modules are:

- |                         |                                 |  |  |
|-------------------------|---------------------------------|--|--|
| 1. Source               | 5. Treatment Process Monitoring | 9. Logbooks                            | 13. Water Quality Monitoring                       |
| 2. Permit to Take Water | 6. Process Wastewater           | 10. Contingency and Emergency Planning | 14. Reporting, Notification and Corrective Actions |
| 3. Capacity Assessment  | 7. Distribution System          | 11. Consumer Relations                 | 15. Other Inspection Findings                      |
| 4. Treatment Processes  | 8. Operations Manuals           | 12. Certification and Training         |  |

For further information, please visit [www.ontario.ca/drinkingwater](http://www.ontario.ca/drinkingwater)

**THE CORPORATION OF THE TOWN OF DESERONTO**

**BY-LAW NUMBER XX-2023**

**BEING A BY-LAW TO CONFIRM THE PROCEEDINGS OF THE SPECIAL COUNCIL MEETING HELD ON THE 27th DAY OF SEPTEMBER 2023.**

THE TOWN OF DESERONTO ENACTS AS FOLLOWS:

1. Every decision of the Council taken at the meeting at which this by-law is passed and every motion and resolution passed at that meeting shall have the same force and effect as if each and every one of them had been the subject matter of a separate by-law duly enacted, except where prior approval of the Ontario Municipal Board is required and where any legal prerequisite to the enactment of a specific by-law has not been satisfied.
2. The Mayor and the proper civic employees of the Town of Deseronto are hereby authorized and directed to execute and deliver all documents as are required to give effect to the decisions, motions and resolutions taken at the meeting at which this by-law is passed.
3. This by-law comes into force on the day it is passed.

READ a first, second and third time, number assigned and finally passed this 27th day of September, 2023.

---

**MAYOR**

---

**CLERK**