

**Ministry of the Environment  
and Climate Change**

Safe Drinking Water  
Branch

Ottawa District Office  
2430 Don Reid Drive  
Ottawa ON K1H 1E1

**Ministère de l'Environnement et  
de l'Action en matière de  
changement climatique**

Direction du contrôle de la qualité de  
l'eau potable

Bureau du district d'Ottawa  
2430, chemin Don Reid  
Ottawa (Ontario) K1H 1E1



April 24, 2015

**Sent by Email: [mmccuaig@nationmun.ca](mailto:mmccuaig@nationmun.ca)**

The Nation Municipality  
958 Route 500 West  
Casselman, ON  
K0A 1M0

Attention: Mrs. Mary McCuaig  
Chief Administrative Officer/Clerk

Dear Mrs. McCuaig:

Re: Sewage Works Inspection Program – 2014/2015 Inspection Report  
St. Isidore Lagoons Sewage Works

The enclosed report documents findings of the inspection that was performed at the St. Isidore Lagoons Sewage Works on June 24, 2014.

Two sections of the report, namely “Actions Required” and “Recommended Actions” cite due dates for the submission of information or plans to my attention. **There are no “Actions Required” or “Recommended Actions” cited in the 2014 St. Isidore Lagoons Sewage report.**

Please note that “Actions Required” are linked to incidents of non-compliance with regulatory requirements contained within an Act, a Regulation, or site-specific approvals, orders or instructions. Such violations could result in the issuance of mandatory abatement instruments including orders, tickets, penalties, or referrals to the ministry’s Investigations and Enforcement Branch.

“Recommended Actions” 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 and conformance with existing and emerging industry standards. Please note that items which appear as recommended actions do not, in themselves, constitute violations.

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.

Yours truly,

Charlie Primeau

Water Inspector / Inspecteur de l'eau, Badge #1420

Safe Drinking Water Branch / Direction du contrôle de la qualité de l'eau potable

2430 Don Reid Drive

Ottawa ON K1H 1E1

CP

Enclosure

- ec: Mr. Marc Legault, Director of Public Works, The Nation Municipality, 3248 County Road 9, Fournier ON K0B 1G0, email: [marclegault@nationmun.ca](mailto:marclegault@nationmun.ca)  
Mr. Doug Renaud, Wastewater Manager, The Nation Municipality, 3248 County Road 9, Fournier ON K0B 1G0, email: [drenaud@nationmun.ca](mailto:drenaud@nationmun.ca)
- Ms. Caroline Kuate, Program Coordinator, Safe Water, Eastern Ontario Health Unit, 1000 Pitt Street, Cornwall, ON K6J 5T1, Email: [ckuate@eohu.ca](mailto:ckuate@eohu.ca)
  - Ms. Sandra Mancini, Director of Planning & Engineering, South Nation Conservation, P.O. Box 29, 38 Victoria Street, Finch, ON, K0C 1K0, [smancini@nation.on.ca](mailto:smancini@nation.on.ca)
- c: File SI-PR-NA-C17-441 (2014)



**Ministry of the Environment and Climate Change**

**WW ST. ISIDORE LAGOON**

**Inspection Report**

<b>Site Number:</b>	110002210
<b>Inspection Number:</b>	1-BC5J1
<b>Date of Inspection:</b>	Jun 05, 2014
<b>Inspected By:</b>	Charlie Primeau

**Table of Contents:**

<b>OWNER INFORMATION</b>	<b>2</b>
<b>CONTACT INFORMATION</b>	<b>2</b>
<b>INSPECTION DETAILS</b>	<b>3</b>
<b>DRINKING WATER SYSTEM COMPONENTS DESCRIPTION</b>	<b>3</b>
<b>INSPECTION SUMMARY</b>	<b>6</b>
Introduction	6
Authorizing and Control Documents	7
Capacity Assessment	7
Treatment Processes	7
Effluent Quality and Quantity	8
Monitoring Requirements	8
Reporting Requirements	9
Bypasses and Overflows	9
Biosolids Management	9
Certification and Training	9
Logbooks	10
Operations Manuals	10
Contingency/Emergency Planning	10
<b>NON-COMPLIANCE WITH REGULATORY REQUIREMENTS AND ACTIONS REQUIRED</b>	<b>12</b>
<b>SUMMARY OF BEST PRACTICE ISSUES AND RECOMMENDATIONS</b>	<b>13</b>
<b>SIGNATURES</b>	<b>14</b>
<b>APPENDIX A – STAKEHOLDER SUPPORT</b>	
<b>APPENDIX B – ENVIRONMENTAL COMPLIANCE APPROVAL(S)</b>	

**OWNER INFORMATION:**

<b>Company Name:</b>	THE NATION, MUNICIPALITY OF		
<b>Street Number:</b>	958	<b>Unit Identifier:</b>	
<b>Street Name:</b>	ROUTE 500 W		
<b>City:</b>	CASSELMAN		
<b>Province:</b>	ON	<b>Postal Code:</b>	K0A 1M0

**CONTACT INFORMATION**

<b>Type:</b>	Operator	<b>Name:</b>	Jason Clemens
<b>Phone:</b>	(613) 524-2740	<b>Fax:</b>	(613) 524-5379
<b>Email:</b>			
<b>Title:</b>	operator - wastewater		

<b>Type:</b>	Operator	<b>Name:</b>	Nicholas Pigeon
<b>Phone:</b>	(613) 524-2740	<b>Fax:</b>	(613) 524-5379
<b>Email:</b>			
<b>Title:</b>	operator - wastewater		

<b>Type:</b>	Operating Authority	<b>Name:</b>	Doug Renaud
<b>Phone:</b>	(613) 524-2740	<b>Fax:</b>	(613) 524-5379
<b>Email:</b>	mailto:drenaud@nationmun.ca		
<b>Title:</b>	Wastewater Manager- The Nation Municipality		

<b>Type:</b>	Operating Authority	<b>Name:</b>	Jim Beeler
<b>Phone:</b>	(613) 807-5173	<b>Fax:</b>	
<b>Email:</b>	'jim beeler' (jbeeler@explornet.com)		
<b>Title:</b>	Overall Responsible Operator - The Nation Municipality		

<b>Type:</b>	Operating Authority	<b>Name:</b>	Marc Legault
<b>Phone:</b>	(613) 524-2962	<b>Fax:</b>	(613) 524-1140
<b>Email:</b>	mailto:marclegault@nationmun.ca		
<b>Title:</b>	Director of Public Works - The Nation Municipality		

<b>Type:</b>	Owner	<b>Name:</b>	Mary McCuaig
<b>Phone:</b>	(613) 764-5444 x222	<b>Fax:</b>	(613) 764-3310
<b>Email:</b>	mmccuaig@nationmun.ca		
<b>Title:</b>	Chief Administrative Officer / Clerk, The Nation Municipality		

<b>Type:</b>	Health Unit	<b>Name:</b>	Caroline Kuate
<b>Phone:</b>	(613) 446-1400 x227	<b>Fax:</b>	(613) 446-1454
<b>Email:</b>	ckuate@eohu.ca		
<b>Title:</b>	Program Coordinator, Safe Water - Eastern Ontario Health Unit		

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**CONTACT INFORMATION**


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<b>Type:</b>	Conservation Authority	<b>Name:</b>	Tessa Di Iorio
<b>Phone:</b>	(613) 984-2948 x305	<b>Fax:</b>	(613) 984-2872
<b>Email:</b>	tdiiorio@nation.on.ca		
<b>Title:</b>	Hydrogeologist, South Nation Conservation		

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**INSPECTION DETAILS:**

<b>Site Name:</b>	WW ST. ISIDORE LAGOON
<b>Site Address:</b>	110002210
<b>County/District:</b>	The Nation
<b>MOECC District/Area Office:</b>	Cornwall Area Office
<b>Health Unit:</b>	EASTERN ONTARIO HEALTH UNIT
<b>Conservation Authority</b>	N/A
<b>MNR Office:</b>	N/A
<b>Site Number:</b>	110002210
<b>Inspection Type:</b>	Announced
<b>Inspection Number:</b>	1-BC5J1
<b>Date of Inspection:</b>	Jun 05, 2014
<b>Date of Previous Inspection:</b>	May 12, 2011

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**COMPONENTS DESCRIPTION**


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<b>Site (Name):</b>	Sanitary Sewers	
<b>Type:</b>	Sewage Collection System	<b>Sub Type:</b> Nominally Separated Sewers
<b>Comments:</b>		

Construction of sanitary sewage facilities to serve the Village of St. Isidore as follows:

STREET	FROM	TO
Rue St. Catherine	approx. 510' north of Rue St. Isidore	Caledonia Boundary Rd.
Rue Lamoureux	Rue Guy	Rue St. Isidore
St. Alphonse Lane	Rue Lamoureux	Rue St. Catherine
Rue Guy	approx. 110' south of Rue St. Isidore	Rue de la Salle
Rue St. Isidore	approx. 180' east of Rue Lamoureux	Rue Lamoureux
Rue St. Isidore	approx. 280' east of Rue Lamoureux	Rue St. Catherine
Rue Jacques	approx. 200' east of Rue Lamoureux	Rue Lamoureux
Caledonia Boundary Road	approx. 680' north of Rue St. Catherine	Rue St. Catherine
Caledonia Boundary Road	approx. 980' south of Rue St. Catherine	Rue St. Catherine
Rue Parent	approx. 280' west of Gareau Crescent	Rue St. Catherine
Gareau Crescent	approx. 150' north of Rue Parent	Rue Parent

Gareau Crescent	approx. 320' south of Rue Parent	Rue Parent
Rue Gauthier	approx. 560' east of Rue St. Catherine	Rue St. Catherine
Rue de l'Ecole	approx. 300' west of Rue St. Catherine	Rue St. Catherine
Rue Sabourin	Rue Champlain	Rue St. Catherine
Rue Champlain	approx. 280' north of Rue Sabourin	Place Madeleine
Place Madeleine	approx. 270' west of Rue Champlain	Rue Champlain
Avenue Bergevin	approx. 670' east of Rue Champlain	Rue Champlain
Rue Ranger	approx. 300' north of Rue de l'Eglise	Rue de l'Eglise
Rue de l'Eglise	Rue Ranger	Rue St. Catherine

**Site (Name):** Sanitary Forcemain  
**Type:** Sewage Collection System      **Sub Type:** Nominally Separated Sewers

**Comments:**

Approximately 9,400 feet of 8" Ø forcemain as follows:

STREET	FROM	TO
Rue St. Catherine	Pumping Station	Rue Parent
Rue Parent	Rue St. Catherine	County Rd # 3
Forced Road	County Rd # 3	1575' south of inlet to Lagoon Site
Lagoon Site	Forced Road	Lagoon Inlet (1575' north of Forced Rd)

**Site (Name):** Sewage Pumping Station  
**Type:** Sewage Collection System      **Sub Type:** Pumping station

**Comments:**

Sewage Pumping Station

A submersible sewage pumping station located on the west side of Rue St. Catherine approximately 200 feet northwest of Caldonia Bondary Road, equipped with two (2) submersible pumps each having a capacity of 400 igpm against a Total Dynamic Head of 83 feet; an emergency overflow; provision for by-passing the station; magnetic flow meter; and a standby diesel generating set, including all necessary appurtenances and controls, all in accordance with the final plans and specifications prepare by Canadian British Engineering Consultants Ltd.

**Site (Name):** St. Isidore Lagoons Sewage Treatment System  
**Type:** Lagoon Sewage Treatment System      **Sub Type:** Annual

**Comments:**

The St. Isidore Wastewater Treatment Lagoon and Collection System is a communal sewage collection and treatment system servicing the Village of St. Isidore de Prescott. The Certificate of Approval issued February 18, 1976 allowed for construction of a 14.6 hectare (36 acre) waste stabilization pond with provisions for batch treatment phosphorous removal, a 244 meter (800 foot), 457 mm (18 inch) diameter outfall sewer and a sewage pumping station on the west side of St. Catherine Street with two 400 igpm submersible pumps, an emergency overflow, provisions for by-passing the station, a magnetic flow meter and a standby diesel generator for backup purposes. Many subsequent approvals have been issued in respect to the network of the sewage collection system. The pumping station is equipped with two wet well sewage pumps, a bypass conduit to a nearby ditch, raw sewage flow monitoring equipment, a raw sewage level indicator in the wet well, a high level alarm notification system and a standby emergency diesel generator. Raw sewage from the village

flows by gravity to the pumping station that in turn pumps the raw sewage through a forcemain to the sewage treatment lagoon. The treatment lagoons are located at the northern terminus of Campeau Road (part Lot 9, Concession 17). A concrete splitter box provides the capability to direct raw sewage from the forcemain to one or more of three cells with the removal or insertion of metal gate valves. The external height of the splitter box has been increased with the addition of a 6" wooden extension barrier to help prevent overflows. The three lagoons are interconnected by valved conduits that enable operators to operate the lagoons in parallel or in series. Lagoons 1 and 3 are equipped with discharge structures. Conduits connect Lagoon 2 to Lagoon 1 and Lagoon 3 for manual discharge. Overflow ports in Lagoon 1 and Lagoon 3 allow for discharge into the Scotch River rather than overflowing the berms of the lagoons. The outlet control structure is equipped with manually controlled valves to drain the effluent through piping to the Scotch River. Batch treatment for phosphorus removal is done prior to spring discharge.

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## INSPECTION SUMMARY

### INTRODUCTION

- \* **The primary focus of this inspection is to confirm compliance with Ministry of the Environment legislation and control documents, as well as conformance with Ministry related policies for the inspection period.**

**This wastewater treatment and collection system is subject to the legislative requirements of the Ontario Water Resources Act (OWRA), the Environmental Protection Act (EPA), and the Nutrient Management Act, 2002 (NMA) and regulations made therein. This inspection has been conducted pursuant to Section 15 of the OWRA, Section 156 of the EPA and Section 13 of the NMA.**

**This inspection does not in any way suggest that all applicable legislation and regulations were evaluated. It is, and remains the responsibility of the owner, to ensure compliance with all applicable legislative and regulatory requirements.**

St. Isidore Wastewater Treatment Lagoon and Collection System is a communal sewage collection and treatment system servicing the Village of St. Isidore de Prescott. The sewage works includes a sanitary and storm sewers collection system, a pumping station and a lagoon system. The three-cell conventional lagoon system has a storage capacity of 655 cubic metres per day and is operated in an annual discharge mode. The treatment lagoons are located at the northern terminus of Campeau Road (part Lot 9, Concession 17).

On June 24, 2014 MOE Water Inspector Charlie Primeau conducted an “announced” inspection of the St. Isidore Lagoons Sewage System. The undersigned inspector was accompanied during the inspection by Doug Renaud, Wastewater Manager, The Nation Municipality. A physical inspection of the sewage works, an interview with Mr. Renaud and a review of data/log books for the period of January 1 2013 to December 31 2014 was performed. This period will herein be referred to in the inspection report as the “inspection review period”. The undersigned inspector did not collect any water samples during the inspection. The previous compliance inspection, conducted on May 12, 2011 identified two (2) issues of non-compliance with regulatory requirements. The owner of St-Isidore Sewage System has addressed both the non-compliance issues. The present inspection report’s requirements are noted in the sections "Non-Compliance with Regulatory The inspection included a review and assessment of operating practices using the following documents:

Ontario Water Resources Act, 1990 (OWRA);

Environmental Protection Act, 1990 (EPA);

Licensing of Sewage Works Operators, O. Reg. 129/04;

Amended Certificate of Approval # 1-0191-69-763856;

Log Books and Laboratory Reports of Analysis;

Water/Sewer Operation and Maintenance Quarterly reports;

Previous Ministry Inspection report dated May 12, 2011;

St. Isidore Wastewater Facility - 2013 Performance Report;

St. Isidore Wastewater Facility - 2014 Performance Report;

Ministry Guideline F-5 Levels of Treatment for Municipal and Private Sewage Treatment Works Discharging to Surface Waters;

Ministry Guideline F-8 Provision and Operation of Phosphorous Removal Facilities at Municipal, Institutional and Private Sewage Treatment Works;

Ministry Guideline F-10 Sampling and Analysis Requirements for Municipal and Private Sewage Treatment Works (Liquid Waste Streams Only);

## INTRODUCTION

Ministry Guideline F-10-1 Procedures for Sampling and Analysis Requirements for Municipal and Private Sewage Treatment Works (Liquid Waste Streams Only).

Water Management - Policies, Guidelines, Provincial Water Quality Objectives of the Ministry of the Environment; and

Other relevant documents.

## AUTHORIZING/CONTROL DOCUMENTS

- \* **The owner had a valid Environmental Compliance Approval for the sewage works.**

Sub-section 53 (1) of the Ontario Water Resources Act (OWRA) requires that The Nation Municipality hold an Environmental Compliance Approval (ECA), previously identified as a Certificate of Approval (CofA) to operate the St. Isidore Lagoons Sewage Treatment System.

The St. Isidore Lagoons Sewage Treatment System is operating under a Certificate of Approval Number 1-0191-69-763856 issued for the collection, transmission, treatment and disposal of domestic sewage with a rated capacity of 655 cubic metres per day.

## CAPACITY ASSESSMENT

- \* **The annual average daily flow was not approaching the rated capacity of the sewage works.**

The St. Isidore Lagoons Sewage Treatment System has a rated capacity of 655 cubic meters per day. Based on the reported 2014 average daily flow of wastewater entering the system of 336 cubic meters per day (2013 - 352 m<sup>3</sup>), the sewage system is operated at approximately 51% (2013 – 54%) of capacity.

- \* **The owner was in conformance with the designed rated capacity for average daily flow into the sewage works.**

The St. Isidore Lagoons Sewage Treatment System has a rated capacity of 655 cubic meters per day. In the 2014 Annual Performance Report for the St. Isidore Lagoons Sewage Treatment System prepared by the operating authority it was reported that the average daily flow of wastewater entering the system was 336 cubic meters per day. The maximum daily flow recorded was in April 2014 with a flow of 952 cubic meters per day.

- \* **Flow measuring devices were installed, calibrated and maintained.**

Flow monitoring requirements are not specified in the Certificates of Approval. One flowmeter has been installed at the Limoge Pumping Station to measure raw sewage flows.

The Nation Municipality engages the services of V. Nowik Instrumentation & Controls for flow meter calibration. It was reported that the annual calibration of the St. Isidore Lagoons Sewage Treatment System flow meters was completed in October 2014.

## TREATMENT PROCESSES

- \* **The owner had ensured that all equipment was installed in accordance with the Environmental Compliance Approval.**

After completing an on-site inspection of the sewage works, it appears that all the equipment/components identified in the Certificate of Approval were installed and operational.

### TREATMENT PROCESSES

- \* **The operator-in-charge had ensured that all equipment used in the processes was monitored, maintained, inspected, tested and evaluated.**

It was reported that certified operators are on site at the St. Isidore Lagoons Sewage Treatment System a minimum of once a week. As part of the weekly routine maintenance program the operator will perform weekly regular maintenance checks at the sewage treatment system and pumping station (record hour meter readings, operate pumps on manual to ensure proper working condition, check wet well/ temperature/miltronics/odours, log in/out in Mission Control/log book.

More extensive inspections are completed on a monthly/semi-annually/annually. Facility Operators are also dispatched when an alarm is triggered due to equipment failure.

### EFFLUENT QUALITY AND QUANTITY

- \* **The sewage works effluent limits were not prescribed by the Environmental Compliance Approval.**

Sewage works effluent limits are not specified in the St. Isidore Lagoons Sewage Treatment System Certificates of Approvals. The sewage works effluent limits for the St. Isidore Lagoons Sewage Treatment System are prescribed in the Ministry of Environment and Climate Change guidelines for specific effluent limits. The operating authority for St. Isidore Lagoons Sewage Treatment System is required to follow Guideline F-5-1 for lagoon effluent compliance limits (table 1), Guideline F-10 for sampling requirements and Guideline F-10-1 for sampling and analysis procedures. The sewage works effluent limits prescribed in Table 1 of F-5-1 are the following:

- Annual Average Concentration of CBOD5 and Suspended Solids should not exceed 25.0 mg/L;
- Annual Average Concentration of Total Phosphorus should be between 0.5 mg/L and 1.0 mg/L

- \* **The sewage works effluent sample results met the effluent guideline.**

There are no sewage works effluent sampling requirements listed in the current Certificates of Approval therefore the operating authority for the St. Isidore Lagoons Sewage Treatment System is required to comply with the Ministry's Guideline F-5-1: Determination of Treatment Requirements for Municipal and Private Sewage Treatment Works Discharging to Surface Waters (Table 1) and Guideline F-8: Provision and Operation of Phosphorous Removal Facilities at Municipal, Institutional and Private Sewage Treatment Works.

The operating authority for the St-Isidore Lagoons sewage treatment system is required to ensure that the average annual effluent quality for Carbonaceous Biological Oxygen Demand (CBOD5) not exceed 25 mg/L. It was reported that the 2014 CBOD5 average concentration for the treated effluent was 4.0 mg/L (2013 – 3.25 mg/L).

The operating authority for the St-Isidore Lagoons sewage treatment system is required to ensure that the average annual effluent quality for Total Suspended Solids (TSS) not exceed 25 mg/L. It was reported that the 2014 TSS average concentration for the treated effluent was 6.0 mg/L (2013 – 10.25 mg/L).

The operating authority for the St-Isidore Lagoons sewage treatment system is required to ensure that the average annual effluent quality for Total Phosphorus (TP) not exceed 1.0 mg/L. It was reported that the 2014 TSS average concentration for the treated effluent was 0.36 mg/L (2013 – 0.47 mg/L).

The operating authority for the St-Isidore Lagoons sewage treatment system also conducts treated effluent sampling/analysis for Total Kjeldah Nitrogen (TKN). It was reported that the 2014 Ammonia average concentration for the treated effluent was 0.54 mg/L (2013 – 1.24 mg/L).

### MONITORING REQUIREMENTS

- \* **The sewage works effluent sampling requirements prescribed by operational guidelines were being met.**

### MONITORING REQUIREMENTS

- \* **The owner had maintained the monitoring records since the date of the last inspection.**

### REPORTING REQUIREMENTS

- \* **All reports were submitted in accordance with Ministry recommendations.**

There are no effluent reporting requirements indicated in the Certificates of Approval for St. Isidore Lagoons Sewage Treatment System. As previously reported in the 2005 Communal Sewage Inspection Report (inspection completed on December 19, 2005), the owner/operating authority received instructions from the District Manager in Spring 2000 informing them of the minimum reporting programs that all municipal sewage works were required to comply with.

The operating authority records the raw sewage and effluent flows and compiles this data into the annual Performance Assessment Report prepared for the St. Isidore Wastewater Facility. Results from monthly laboratory analysis of raw sewage grab samples, as well as averaged results from effluent samples taken during discharge are also included in the annual Performance Report. In addition, the annual report contains a summary of raw sewage and final effluent monitoring data, a summary of raw and effluent quality assurance control measures, a summary of maintenance carried out on major structure, equipment, apparatus and mechanism, and a description of any operating challenges encountered and corrective action taken.

### BYPASSES AND OVERFLOWS

- \* **All required verbal notifications of spills were provided forthwith as per O. Reg. 675/98 section 13.**

It was reported that during weekly maintenance on March 18, 2014 the operator-in-charge (OIC) discovered two (2) cracked pipes at the St. Isidore lagoon discharge pipes. It was reported that a crack of about 0.5 inch had formed due to a frozen ground. An estimated infiltration flow of 5 L/sec was discharging in the ditch that goes to the Nation River. An additional small leak was also noted at the North-East Discharging chamber with an estimated flow of 0.3 L/sec. The operating authority provided immediate notification to Spills Action Centre and the undersigned inspector. The owner reported that water samples were collected at the time of the spill and provided copies of the laboratory analysis reports. Once all repairs were completed, the undersigned inspector was provided with a full report accompanied with pictures of repairs.

- \* **A process was in place for the monitoring and reporting of bypasses and overflows should they occur.**

### BIOSOLIDS MANAGEMENT

- \* **The owner had a program for the routine removal of sludge from the lagoon system.**

### CERTIFICATION AND TRAINING

- \* **The classification certificates of the subsystems were conspicuously displayed at the workplace or at premises from which the subsystem was managed.**

The St. Isidore Wastewater Treatment Lagoon and Collection System is a Class I Wastewater Treatment Facility, Certificate #435 and Class II Wastewater Collection System, Certificate #436. Both certificates were issued October 16, 1987 and are displayed on the wall at the pumping station.

### CERTIFICATION AND TRAINING

- \* **Operator licences were displayed in a conspicuous location at the workplace or at the premises from which the subsystem was managed.**

The operator licences are displayed on the wall of the Manager's office at the Wastewater maintenance building on Mainville Road, St-Isidore. All operators assigned to the St. Isidore Lagoons Sewage Treatment System hold the proper level of certification.

- \* **The overall responsible operator had been designated for the wastewater treatment and collection works.**

The Nation Municipality has designated Mr. Jim Beeler Overall Responsible Operator (ORO) for the St. Isidore Lagoons Sewage Treatment System. Mr. Beeler holds the proper level of certification.

- \* **All operators had the appropriate level of licences for the wastewater treatment and collection works.**

In reviewing operator certification, it was noted that all operators performing operational work at the St. Isidore Lagoons Sewage Treatment System hold valid wastewater treatment facility certificates.

- \* **Only licenced operators made adjustments to the treatment equipment.**

- \* **Operators-in-charge were designated for the wastewater treatment plant and all associated collection works.**

Mr. Renaud, Wastewater Manager for The Nation Municipality reported that all The Nation Municipality Class I certified wastewater operators are assigned Operators-in-Charge (OIC) for the St. Isidore Lagoons Sewage Treatment System.

- \* **The operator-in-charge ensured that records were maintained of all adjustments made to the processes within his or her responsibility.**

Work performed at the St. Isidore Lagoons Sewage Treatment System is recorded in a log book located within the main pumping station. Preventative Maintenance Checklist log sheets are completed on site and maintained at the main wastewater office on Mainville Road, St. Isidore. A main log book is also maintained at the wastewater shop.

### LOGBOOKS

- \* **The logs and other record keeping mechanisms complied with the record keeping requirements.**
- \* **Logs and other record keeping mechanisms were available for at least two (2) years.**

### OPERATIONS MANUALS

- \* **Operators and maintenance personnel had ready access to operations and maintenance manuals.**
- \* **The operations and maintenance manuals contained up-to-date plans, drawings and process descriptions sufficient for the safe and efficient operation of the system.**

### CONTINGENCY/EMERGENCY PLANNING

**CONTINGENCY/EMERGENCY PLANNING**

- \* **A spill prevention control and countermeasures plan was established.**
  
- \* **Spill containment was provided for the process chemicals and/or standby power generator fuel.**
  
- \* **The owner had provided security measures for the facility.**

During the physical portion of the inspection, the undersigned inspector noted that the pumping station was locked and equipped with intrusion alarm system. Road access to the lagoons is restricted with a locked gate and the site is completely fenced. Additional "No Hunting" and "No Trespassing" signs were installed in 2014 due to hunting incidents at the St. Isidore Lagoons

**NON-COMPLIANCE WITH REGULATORY REQUIREMENTS AND ACTIONS REQUIRED**

This section provides a summary of all non-compliance with regulatory requirements identified during the inspection period, as well as actions required to address these issues. Further details pertaining to these items can be found in the body of the inspection report.

Not Applicable

## SUMMARY OF RECOMMENDATIONS AND BEST PRACTICE ISSUES

This section provides a summary of all recommendations and best practice issues identified during the inspection period. Details pertaining to these items can be found in the body of the inspection report. In the interest of continuous improvement in the interim, it is recommended that owners and operators develop an awareness of the following issues and consider measures to address them.

Not Applicable



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**SIGNATURES**

Inspected By:

Charlie Primeau

Signature: (Provincial Officer):

Reviewed &amp; Approved By:

James Mahoney

Signature: (Supervisor):

Review &amp; Approval Date: 24/04/2015 (dd/mm/yyyy)

Note: This inspection does not in any way suggest that there is or has been compliance with applicable legislation and regulations as they apply or may apply to this facility. It is, and remains, the responsibility of the owner and/or operating authority to ensure compliance with all applicable legislative and regulatory requirements.

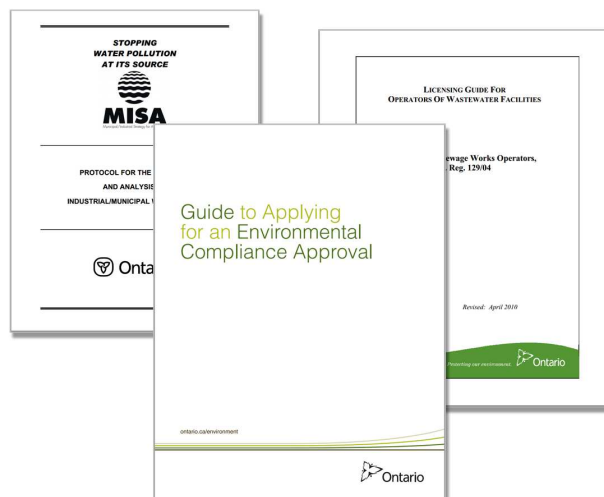
**APPENDIX A**  
**STAKEHOLDER SUPPORT**

# Helpful Resources for Municipal Wastewater Owners and Operators

Many useful materials are posted on the [Ministry of the Environment's Resources website](#) to help in the operation of your wastewater system.

Below is a list of key materials frequently used by owners and operators of municipal wastewater systems. To read or download these materials, go to the [Ministry of the Environment's Resources website](#) and search in the resources section by publication number.

Contact the Public Information Centre if you need assistance or have questions at 1-800-565-4923/416-325-4000 or [picemail.moe@ontario.ca](mailto:picemail.moe@ontario.ca).



	PUBLICATION NUMBER	PUBLICATION TITLE
<b>Environmental Compliance</b>	2724e01	Protocol for the Sampling and Analysis of Industrial/Municipal Wastewater
	8527e	Guide to Applying for an Environmental Compliance Approval
<b>F-Series</b>	1584e	F-5 Levels Of Treatment For Municipal And Private Sewage Treatment Works Discharging To Surface Waters
	2250e	F-8 Provision And Operation Of Phosphorus Removal Facilities At Municipal, Institutional And Private Sewage Treatment Works
	3074e	F-10 Sampling And Analysis Requirements For Municipal And Private Sewage Treatment Works (Liquid Waste Streams Only)
<b>Other</b>	3303e	Water Management, Policies, Guidelines: Provincial Water Quality Objectives of the Ministry of the Environment
	7699e	Licensing Guide for Operators of Wastewater Treatment Facilities

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

# Ressources utiles pour les propriétaires et les exploitants d'installations municipales d'eaux usées

La page des [Ressources du site du ministère de l'Environnement](#) contient de nombreux documents utiles qui peuvent vous aider dans l'exploitation de votre installation d'eaux usées.

Le tableau ci-dessous présente des documents que consultent souvent les propriétaires et les exploitants d'installations municipales d'eaux usées. Pour les lire ou les télécharger, allez à la page des [Ressources du site du ministère de l'Environnement](#) et consultez la section des ressources par numéro de publication.

Si vous avez des questions ou besoin d'aide, veuillez contacter le Centre d'information au 1 800 565-4923/416 325-4000 ou à [picemail.moe@ontario.ca](mailto:picemail.moe@ontario.ca).



	NUMÉRO DE PUBLICATION	TITRE DE LA PUBLICATION
<b>Conformité environnementale</b>	2724e01	Protocol for the Sampling and Analysis of Industrial/Municipal Wastewater (en anglais seulement)
	8527f	Guide pour soumettre une demande d'autorisation environnementale
<b>Série F</b>	1584e	F-5 Levels Of Treatment For Municipal And Private Sewage Treatment Works Discharging To Surface Waters (en anglais seulement)
	2250e	F-8 Provision And Operation Of Phosphorus Removal Facilities At Municipal, Institutional And Private Sewage Treatment Works (en anglais seulement)
	3074e	F-10 Sampling And Analysis Requirements For Municipal And Private Sewage Treatment Works (Liquid Waste Streams Only) (en anglais seulement)
<b>Autres</b>	3303e	Water Management, Policies, Guidelines: Provincial Water Quality Objectives of the Ministry of the Environment (en anglais seulement)
	7699f	Guide sur l'accréditation des exploitants d'installations d'eaux usées

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

## **APPENDIX B**

### **ENVIRONMENTAL COMPLIANCE APPROVAL(S)**



Sewage Works Approval

cc: Mr. D. Barker, Canadian-British Engineering Consultants Ltd.  
Mr. J. Toth, MOE Manager, Tech. Svcs Br., .....

Whereas ..... THE PROVINCE OF ONTARIO .....

\* of ..... Air Approval attached

has applied in accordance with Section 42 of The Ontario Water Resources Act for approval of: -

Construction of sanitary sewage facilities to serve the Village of St. Isidore de Prescott as follows:

<u>STREET</u>	<u>FROM</u>	<u>TO</u>
Rue St. Catherine	approx. 510' north of Rue St. Isidore	Caledonia Boundary Rd.
Rue Lamoureux	Rue Guy	Rue St. Isidore
St. Alponse Lane	Rue Lamoureux	Rue St. Catherine
Rue Guy	approx. 110' south of Rue St. Isidore	Rue de la Salle
Rue St. Isidore	approx. 180' east of Rue Lamoureux	Rue Lamoureux
Rue St. Isidore	approx. 280' east of Rue St. Catherine	Rue St. Catherine
Rue Jacques	approx. 200' east of Rue Lamoureux	Rue Lamoureux
Caledonia Boundary Road	approx. 680' north of Rue St. Catherine	Rue St. Catherine
Caledonia Boundary Road	approx. 980' south of Rue St. Catherine	Rue St. Catherine
Rue Parent	approx. 280' west of Gareau Crescent	Rue St. Catherine

..2

Now therefore this is to certify that after due enquiry the said proposed works have been approved under Section 42 of The Ontario Water Resources Act.

*Feb 20 1976*  
*aw*

DATED AT TORONTO this 18th day of February 19 76

cc: Mr. C. McIntyre, MOE S.E. Regional Dir.



Ontario

Sewage Works Approval

Whereas

Village of St. Isidore De Prescott

of

has applied in accordance with Section 42 of The Ontario Water Resources Act for approval of: --

<u>STREET</u>	<u>FROM</u>	<u>TO</u>
Gareau Crescent	approx. 150' north of Rue Parent	Rue Parent
Gareau Crescent	approx. 320' north of Rue Parent	Rue Parent
Rue Gauthier	approx. 560' east of Rue St. Catherine	Rue St. Catherine
Rue de l'Ecole	approx. 300' west of Rue St. Catherine	Rue St. Catherine
Rue Sabourin	Rue Champlain	Rue St. Catherine
Rue Champlain	approx. 280' north of Rue Sabourin	Place Madeleine
Place Madeleine	approx. 270' west of Rue Champlain	Rue Champlain
Avenue Bergevin	approx. 670' east of Rue Champlain	Rue Champlain
Rue Ranger	approx. 300' north of Rue de l'Eglise	Rue de l'Eglise
Rue de l'Eglise	Rue Ranger	Rue St. Catherine

..3

Now therefore this is to certify that after due enquiry the said proposed works have been approved under Section 42 of The Ontario Water Resources Act.

DATED AT TORONTO this

18th

day of

February

19 76



Ontario

Sewage Works Approval

Village of St. Isidore De Prescottt

Whereas

of

has applied in accordance with Section 42 of The Ontario Water Resources Act for approval of: -

Including building sewers from the main sewer to the street line:

Sanitary Forcemain:- approx. 9400 feet of 8" Ø forcemain as follows:

<u>STREET</u>	<u>FROM</u>	<u>TO</u>
Rue St. Catherine	Pumping Station (200 feet N.W. of Caledonia Boundary Road)	Rue Parent
Rue Parent	Rue St. Catherine	County Road #3
Forced Road	County Road #3	1575 feet south of inlet to the Lagoon Site
Lagoon Site	Forced Road	Lagoon Inlet (1575 feet north of Forced Road)

Waste Stabilization Pond

A 36 acre (approximately) waste stabilization pond to be constructed in three cells, with provision for phosphorus removal, and to be located approx. 350 feet north of Forced Road in Lot 9, Concession 17, Township of South Plantagenet discharging annually to the Scotch River via approximately 800 feet of 18 inch diameter outfall sewer.

..4

Now therefore this is to certify that after due enquiry the said proposed works have been approved under Section 42 of The Ontario Water Resources Act.

DATED AT TORONTO this 18th day of February 1976

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Ontario

Sewage Works Approval

Village of St. Isidore De Prescott

Whereas

of

has applied in accordance with Section 42 of The Ontario Water Resources Act for approval of: -

Sewage Pumping Station

Construction of a submersible sewage pumping station to be located on the west side of Rue St. Catherine approximately 200 feet north west of Caledonia Boundary Road, to be equipped initially with two (2) submersible pumps each having a capacity of 400 igpm against a Total Dynamic Head of 83 feet; an emergency overflow; provision for by-passing the station; magnetic flow meter; and a standby diesel generating set, including all necessary appurtenances and controls, all in accordance with the final plans and specifications prepared by Canadian British Engineering Consultants Ltd. at a total estimated cost, including land charges, engineering and contingencies of ONE MILLION, NINE HUNDRED AND ELEVEN THOUSAND DOLLARS (\$1,911,000.00).

Now therefore this is to certify that after due enquiry the said proposed works have been approved under Section 42 of The Ontario Water Resources Act.

DATED AT TORONTO this

18th

day of

February

19 76

Handwritten initials/signature





Ontario

Ministry of the Environment

# CERTIFICATE OF APPROVAL (AIR)

Granted under Section 8 of The Environmental Protection Act, 1971

Application number 1-0191-69-763856

This Certificate dated February 18

, 19 76

Owner/Operator Province of Ontario

Owner/Operator address 135 St. Clair Avenue West, Toronto, M4V 1P5

This approval is for three stabilization ponds with a total of approx. 36 acres designed for 360 day retention, with outfall to the Scotch River, to serve Village of St.

Isidore De Prescott

located at approx. 350' N. of Forced Rd. in Lot 9, Concession 17, South Plantagenet Twp.

Your application has been reviewed on the basis of the information submitted and is approved, subject to the terms and conditions stated below.

*[Handwritten signature]*

DIRECTOR, SECTIONS X