

**Water & Wastewater Facility Operators  
Certification Program**



**Application for Wastewater Treatment Facility Classification**

also available online at <http://www.manitoba.ca/certification>

Please print clearly or type and follow the instructions on the application form.  
NOTE: If using Adobe Reader text can be inserted into form and tab between fields.

**This application is pursuant to the Water and Waste water Facility Operators Regulation issued under The Environment Act.**

Name of Facility: Village of St-Pierre-Jolys Wastewater Treatment Lagoon

Name of Facility Owner:  
(Municipality/Commission/  
Company/Individual/etc) Village of St-Pierre-Jolys

Civic Address of Facility: River Lots 29 and 30 of the Rat River Settlement

Mailing Address of Owner: P.O. Box 218, 555 Hebert Avenue, St-Pierre-Jolys, MB

Postal Code: R0A 1V0 Telephone: (204) 433-7832

Contact Person: Janine Wiebe Position: CAO

Cell or Pager: Fax: (204) 433-7053 Email: cao@villagestpierrejolys.ca

Is this a REAPPLICATION?  Yes  No

**Please complete the following. The information provided will be used to classify the wastewater treatment facility under the Water and Wastewater Facility Operators Regulation. In some cases actual numbers or answers must be supplied, but in most cases it will only be necessary to check the appropriate criteria.**

Forward the completed form to:

Director  
Environmental Assessment &  
Licensing Branch  
Manitoba Conservation  
160 – 123 Main Street  
Winnipeg MB R3C 1A5

Please direct questions to:

Certification Program Coordinator  
Phone: (204) 945-706 5  
Fax: (204) 945-5229

**FOR MANITOBA CONSERVATION USE ONLY**

Operation ID # \_\_\_\_\_

Stakeholder ID # \_\_\_\_\_

Approval ID # \_\_\_\_\_

EO/DWO \_\_\_\_\_

## Application for Wastewater Treatment Facility Classification

<b>SYSTEM</b> (choose all that apply)			
1.	New or proposed Facility seeking classification	<input type="checkbox"/>	
	Proposed start of operations (month / year)		
	Existing Facility seeking classification (in operation prior to December 31, 2005)	<input checked="" type="checkbox"/>	
	Facility has been in operation since (approximate month/year) 01/01/1964		
2.	The facility <b>WILL</b> employ mechanical treatment processes	<input type="radio"/>	
	The facility <b>WILL NOT</b> employ mechanical treatment processes	<input checked="" type="radio"/>	

<b>SIZE</b> (refer to Supplemental Information for point designation) (2 point minimum to 20 point maximum)			
1.	Maximum population or part served, peak day	# 1,185	1-10
2.	Design flow average day (Circle volume option & units)	425 <input checked="" type="radio"/> m <sup>3</sup> /day <input type="radio"/> gal/day	1-10
	OR Peak month's flow average day	<input type="radio"/> m <sup>3</sup> /day <input type="radio"/> gal/day	

<b>VARIATION IN RAW WASTE<sup>1</sup></b> (choose all that apply) (0 point minimum to 6 point maximum)			
1.	Variations do not exceed those normally or typically expected	<input checked="" type="checkbox"/>	0
2.	Recurring deviations or excessive variations of 100-200% in strength	<input type="checkbox"/>	2
	Recurring deviations or excessive variations of 100-200% in flow	<input type="checkbox"/>	
	Recurring deviations or excessive variations of 100-200% in strength and flow	<input type="checkbox"/>	
3.	Recurring deviations or excessive variations of more than 200% in strength	<input type="checkbox"/>	4
	Recurring deviations or excessive variations of more than 200% in flow	<input type="checkbox"/>	
	Recurring deviations or excessive variations of more than 200% in strength and flow	<input type="checkbox"/>	
4.	Raw wastes subject to toxic waste discharges	<input type="checkbox"/>	6
5.	Septage or truck-hauled waste discharge is accepted at the facility.	<input type="checkbox"/>	0 - 4
	Estimated number of loads per day in peak haul times		

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<b>PRELIMINARY TREATMENT</b> (choose all that apply)			
1.	Facility pumping of main flow	<input type="checkbox"/>	3
2.	Screening or comminution	<input type="checkbox"/>	3
3.	Grit removal	<input type="checkbox"/>	3
4.	Equalization	<input type="checkbox"/>	1

<b>PRIMARY TREATMENT</b> (choose all that apply)			
1.	Clarifiers	<input type="checkbox"/>	5
2.	Anaerobic treatment with biogas flare	<input type="checkbox"/>	10
3.	Anaerobic treatment with biogas utilization facility	<input type="checkbox"/>	15

<b>SECONDARY TREATMENT</b> (choose all that apply)			
1.	Fixed-film reactor	<input type="checkbox"/>	10
2.	Activated sludge	<input type="checkbox"/>	15
3.	Stabilization ponds without aeration (ie: sewage lagoon)	<input checked="" type="checkbox"/>	5
4.	Stabilization ponds with aeration	<input type="checkbox"/>	8

<b>TERTIARY TREATMENT</b> (choose all that apply)			
1.	Polishing ponds for advanced waste treatment (WETLAND)	<input checked="" type="checkbox"/>	2
2.	Chemical / physical advanced waste treatment without secondary treatment	<input type="checkbox"/>	15
3.	Chemical / physical advanced waste treatment following secondary treatment	<input type="checkbox"/>	10
4.	Biological or chemical / biological advanced waste treatment	<input type="checkbox"/>	12
5.	Nitrification by designed extended aeration only	<input type="checkbox"/>	5
6.	Ion exchange for advanced waste treatment	<input type="checkbox"/>	10
7.	Reverse osmosis, electrodialysis and other membrane filtration techniques	<input type="checkbox"/>	10
8.	Advanced waste treatment chemical recovery, carbon regeneration	<input type="checkbox"/>	4

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9.	Media filtration	<input type="checkbox"/>	5
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### ADDITIONAL TREATMENT PROCESSES *(choose all that apply)*

1.	Chemical addition: <i>(Please list chemicals used, 2 pts per chemical to max. of 6)</i>	<input type="checkbox"/>	0 - 6
2.	Dissolved air floatation (other than for sludge thickening)	<input type="checkbox"/>	8
3.	Intermittent sand filter	<input type="checkbox"/>	2
4.	Recirculating intermittent sand filter	<input type="checkbox"/>	3
5.	Microscreens	<input type="checkbox"/>	5
6.	Generation of oxygen	<input type="checkbox"/>	5

### SOLIDS HANDLING *(choose all that apply)*

1.	Storage (other than for stabilization)	<input type="checkbox"/>	2
2.	Stabilization by storage (including any storage afterwards)	<input checked="" type="checkbox"/>	4
3.	Gravity thickening	<input type="checkbox"/>	2
4.	Mechanical dewatering	<input type="checkbox"/>	8
5.	Anaerobic digestion of solids	<input type="checkbox"/>	10
6.	Utilization of digester gas for heating or cogeneration	<input type="checkbox"/>	5
7.	Aerobic digestion of solids	<input type="checkbox"/>	6
8.	Air-drying of sludge	<input type="checkbox"/>	2
9.	Solids reduction (including incineration and wet oxidation)	<input type="checkbox"/>	12
10.	Disposal in landfill	<input type="checkbox"/>	2
11.	Solids composting	<input type="checkbox"/>	10
12.	Land application of biosolids by contractor	<input type="checkbox"/>	2
13.	Land application of biosolids by facility personnel	<input type="checkbox"/>	10

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<b>DISINFECTION</b> (choose all that apply) (0 point minimum to 10 point maximum)			
1.	Chlorination	<input type="checkbox"/>	5
	Ultraviolet irradiation	<input type="checkbox"/>	
2.	Ozonization	<input type="checkbox"/>	10

<b>EFFLUENT DISCHARGE</b> (choose all that apply) (0 point minimum to 10 point maximum)			
1.	Discharge to surface water (ditch or lake or _____)	<input checked="" type="checkbox"/>	0
2.	Mechanical post-aeration	<input type="checkbox"/>	2
3.	Direct recycling and reuse	<input type="checkbox"/>	6
4.	Land treatment and surface or subsurface disposal		4

<b>INSTRUMENTATION</b> (choose one) (0 point minimum to 6 point maximum)			
1.	SCADA or similar instrumentation systems are used to provide:		
	• Data with no process operation	<input type="radio"/>	0
	• Data with limited process operation	<input type="radio"/>	2
	• Data with moderate process operation	<input type="radio"/>	4
	• Data with extensive or total process operation	<input type="radio"/>	6

<b>LABORATORY CONTROL<sup>2</sup></b> (choose all that apply) (0 point minimum to 15 point maximum)			
1.	<b>Bacteriological / Biological</b> (0 point minimum to 5 point maximum)		
	• Lab work done outside the facility	<input checked="" type="checkbox"/>	0
	• Membrane filter procedures	<input type="checkbox"/>	3
	• Use of fermentation tubes or any dilution method of fecal coliform determination	<input type="checkbox"/>	5
2.	<b>Chemical / Physical</b> (0 point minimum to 10 point maximum)		
	• Lab work done outside the facility	<input type="checkbox"/>	0

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	<ul style="list-style-type: none"> <li>• Push button or visual methods for simple tests such as pH or settleable solids</li> </ul> <p><i>(List tests)</i></p>	<input type="checkbox"/>	3
	<ul style="list-style-type: none"> <li>• Additional procedures such as DO, COD, BOD, gas analysis, titration, solids content or volatile content</li> </ul> <p><i>(List tests)</i></p>	<input type="checkbox"/>	5
	<ul style="list-style-type: none"> <li>• More advanced determinations such as specific constituents, nutrients, total oils or phenols</li> </ul> <p><i>(List tests)</i></p>	<input type="checkbox"/>	7
	<ul style="list-style-type: none"> <li>• Highly sophisticated instrumentation such as atomic absorption or gas chromatograph</li> </ul> <p><i>(List tests)</i></p>	<input type="checkbox"/>	10

<b>APPLICANT VERIFICATION</b>	
I HEREBY DECLARE THAT ALL INFORMATION IN THIS APPLICATION IS TRUE.	
Name of Applicant <sup>3</sup> : (Print) Dana Bredin, P.Eng	
Title: Civil / Geotechnical Engineer	
Telephone: (204) 477-6650	Fax: (204) 474-2864
Email: dana.bredin@wspgroup.com	
Signature of Authorized Representative:	Date: 06/07/2016

<sup>1</sup>The key concepts are frequency or intensity of deviation, or excessive variation from normal or typical fluctuations. The deviations in strength, toxicity, ratio of infiltration to inflow, or shock loads.

<sup>2</sup> The key concept is to credit laboratory analyses done on-site by facility personnel under the direction of an operator-in-charge with points from 0-15.

<sup>3</sup> Applicant must be an authorized representative of the owner/operating authority (i.e. manager, P. Eng., or overall responsible operator).

**Print Application Form**

## **Wastewater Treatment Form Supplemental Information**

This is supplemental information for completing the Application for Wastewater Treatment Facility Classification Form only.

For exact definitions and text refer to Manitoba Regulation 77/2003, Water and Wastewater Facility Operators Regulation and amendment M.R. 162/2005, under The Environment Act (C.C.S.M. c E125).

A copy of the regulation is available by following the link for Manitoba Regulations at:  
<http://www.gov.mb.ca/conservation/envapprovals/pubs/index.html>

Facilities are classified as follows:

### **Small system class**

A wastewater treatment facility that otherwise meets the criteria of a class 1 wastewater treatment facility shall be classified in the small system class if

- a) it treats wastewater from a population of no more than 500; and
- b) no mechanical treatment processes are employed at the facility.

### **Classes 1 to 4**

Wastewater treatment facilities shall be classified in classes 1 to 4 in accordance with the following table, on the basis of the number of classification points assessed under the classification point system set out in the Water and Wastewater Facility Operators Regulation.

<u>Range of Classification Points</u>	<u>Classification</u>
0 to 30	Class 1
31 to 55	Class 2
56 to 75	Class 3
76 or more	Class 4

### **Size**

Points for size: (2 point minimum to 20 point maximum)

Maximum population or part served, peak day (1 point minimum to 10 point maximum). Points are assigned at 1 point per 10,000 population or part.

Design flow average day or peak month's flow average day, whichever is larger (1 point minimum to 10 point maximum). Points are assigned at 1 point per 4.5 megalitres per day or part.

### **Authorized Representative**

Signatures for the Applicant Verification section must be an individual recognized by the Owner of the facility as able to sign official documentation (i.e. P.Eng., Manager, CAO, etc).