

**ENVIRONMENTAL COMPLIANCE APPROVAL**

NUMBER 5476-BUUPFA  
Issue Date: January 27, 2021

Stella-Jones Inc.  
3100 de la Côte-Vertu Blvd, No. 300  
St, Laurent, Quebec  
H4R 2J8

Site Location: 201 Wellington Street  
Town of Shelburne, County of Dufferin  
L0N 1S3

*You have applied under section 20.2 of Part II.1 of the Environmental Protection Act, R.S.O. 1990, c. E. 19 (Environmental Protection Act) for approval of:*

**stormwater management works** constructed on Stella Jones wood treatment facility located at 201 Wellington Street, Shelburne, ON, designed to attenuate flows from a 7.04 hectare contributing drainage area (drainage areas 1 to 5 and SWM Block) from an overall 11.13 ha property, to provide storage volume for future use in the wood treatment process, and stormwater quantity and quality control prior to discharge from the site to Besley Drain comprising;

**Stormwater Management**

**Storm sewers**

Storm sewers, varying in size, collecting stormwater from the southern and western portions of the site, and discharging the stormwater to the wet pond sediment forebay, located in the SWM block on north west side of the property;

**Sediment Forebay**

One lined sediment forebay, having a bed elevation of 489 m and permanent pool elevation of 490.5m, designed with a permanent pool depth of 1.5m and length of approximately 36m having a permanent pool of 362 m3 designed to capture up to 5 year storm event flow from 7.04 ha site area, complete with a headwall and rip rap, and having a flow splitter manhole at the inlet, designed to divert storm events larger than 5 years to the Wet Pond Main Cell through a 600 mm sewer, the sediment forebay is discharging via weir to the main cell of the pond;

**Wet Pond Main Cell**

A lined extended detention stormwater management wet pond designed for stormwater storage for

use in the wood treatment facility, and quality control and quantity control for 100 year design storm, receiving stormwater flow from 7.04 ha site area, through a flow splitter structure with a 600mm inlet sewer with a rip rap structure, and a 200mm outlet pipe to pumping system, running on demand for pumping the stored stormwater and using it in the wood treatment process on the site; the wet pond is complete with a 10 m emergency overflow weir at an elevation of 492.23 m and freeboard elevation of 492.50 m, having a total permanent storage volume of 4,125 m<sup>3</sup> at an depth of 2.25 m, at 489.05 to 491.25 m elevation, a total extended detention volume of 1,669 m<sup>3</sup>, 0.44 m deep, at 491.69 m elevation, and a total active storage volume of 3,759 m<sup>3</sup>, 0.98 m deep, at an elevation of 492.23 m, complete with an outlet system (described below) discharging of a 750mm diameter pipe, discharging through an outlet control structure to Besley Drain;

### **Outlet Control Structure**

One 118 mm diameter orifice plate installed in a catch basin located towards the downstream of the main cell of the wet pond, and a DDICB for major outflows, together, controlling the post development stormwater flow to pre-development conditions for all design storm events, and a valve to close off outflow from the facility if needed;

including all other mechanical system, and control system, piping, valves and appurtenances essential for the proper, safe and reliable operation of the Works in accordance with this Approval, in the context of process performance and general principles of wastewater engineering only,

all in accordance with the submitted supporting documents listed in Schedule A.

*For the purpose of this environmental compliance approval, the following definitions apply:*

1. "Approval" means this entire document and any schedules attached to it, and the application;
2. "District Manager" means the District Manager of the Guelph District Office of the Ministry;
3. "Director" means a person appointed by the Minister pursuant to section 5 of the EPA for the purposes of Part II.1 of the EPA;
4. "EPA" means the *Environmental Protection Act*, R.S.O. 1990, c.E.19, as amended;
5. "Ministry" means the ministry of the government of Ontario responsible for the EPA and OWRA and includes all officials, employees or other persons acting on its behalf;
6. "OWRA" means the *Ontario Water Resources Act*, R.S.O. 1990, c. O.40, as amended;
7. "Owner" means Stella-Jones Inc., and its successors and assignees;
8. "Proposed Works" means the sewage works described in the Owner's application, this Approval, to the extent approved by this Approval;

9. "Works" means the sewage works described in the Owner's application, and this Approval, and in this Approval.

*You are hereby notified that this environmental compliance approval is issued to you subject to the terms and conditions outlined below:*

## **TERMS AND CONDITIONS**

### **1. GENERAL CONDITION**

1. The Owner shall ensure that any person authorized to carry out work on or operate any aspect of the Works is notified of this Approval and the conditions herein and shall take all reasonable measures to ensure any such person complies with the same.
2. Except as otherwise provided by these conditions, the Owner shall design, build, install, operate and maintain the Works in accordance with the description given in this Approval, and the application for approval of the Works.
3. Where there is a conflict between a provision of any document in the schedule referred to in this Approval and the conditions of this Approval, the Conditions in this Approval shall take precedence, and where there is a conflict between the documents in the schedule, the document bearing the most recent date shall prevail.
4. Where there is a conflict between the documents listed in the Schedule A, and the application, the application shall take precedence unless it is clear that the purpose of the document was to amend the application.
5. The Conditions of this Approval are severable. If any Condition of this Approval, or the application of any requirement of this Approval to any circumstance, is held invalid or unenforceable, the application of such condition to other circumstances and the remainder of this Approval shall not be affected thereby.

### **2. CHANGE OF OWNER**

1. The Owner shall notify the District Manager and the Director, in writing, of any of the following changes within thirty (30) days of the change occurring:
  - a. change of Owner or operating authority, or both;
  - b. change of address of Owner or operating authority or address of new Owner or operating authority;
  - c. change of partners where the Owner or operating authority is or at any time becomes a partnership, and a copy of the most recent declaration filed under the *Partnerships*

*Registration Act;*

- d. change of name of the corporation where the Owner or operator is or at any time becomes a corporation, and a copy of the most current "Initial Notice or Notice of Change" (Form 1, 2 or 3 of O. Reg. 189, R.R.O. 1980, as amended from time to time), filed under the *Corporations Information Act* , shall be included in the notification to the District Manager;
2. In the event of any change in ownership of the Works, the Owner shall notify in writing the succeeding owner of the existence of this Approval, and a copy of such notice shall be forwarded to the District Manager.
3. The Owner shall ensure that all communications made pursuant to this condition will refer to this Approval's number.

### **3. CHANGES IN PROCESSES OR PROCESS MATERIALS**

The Owner shall give written notice to the District Manager of any plans to change the processes or process materials in the Owner's enterprise serviced by the Works where the change may significantly alter the quantity or quality of the influent to or effluent from the Works, and no such change(s) shall be made unless with the written concurrence of the District Manager and approval of the Director.

### **4. OPERATIONS MANUAL**

1. The Owner shall prepare an operations manual prior to the commencement of operation of the sewage works, that includes, but not necessarily limited to, the following information:
  - a. operating procedures for routine operation of the Works;
  - b. inspection programs, including frequency of inspection, for the Works and the methods or tests employed to detect when maintenance is necessary;
  - c. repair and maintenance programs, including the frequency of repair and maintenance for the Works;
  - d. contingency plans and procedures for dealing with potential spill, bypasses and any other abnormal situations and for notifying the District Manager; and
  - e. complaint procedures for receiving and responding to public complaints.
2. The Owner shall maintain the operations manual up to date through revisions undertaken from time to time and retain a copy at the location of the sewage works. Upon request, the Owner shall make the manual available for inspection and copying by Ministry personnel.

## 5. EFFLUENT - VISUAL OBSERVATIONS

1. Notwithstanding any other condition in this Approval, the Owner shall ensure that the effluent from the Works is essentially free of floating and settleable solids and does not contain oil or any other substance in amounts sufficient to create a visible film, sheen or foam on the receiving waters.

## 6. EFFLUENT MONITORING AND RECORDING

1. The Owner shall, upon commencement of operation of the sewage works, carry out a monitoring program and all samples and measurements taken for the purposes of this Approval are to be taken at a time and in a location characteristic of the quality and quantity of the effluent stream over the time period being monitored.
2. Samples shall be collected and analyzed at the sampling point(s), at the sampling frequencies and using the sample type specified for each parameter listed in the influent and effluent monitoring tables included in **Schedule B**.
3. The sampling/monitoring parameters and their corresponding measurement frequencies specified in Schedule B are minimum requirements which after 60 months from the issue of this Environmental Compliance Approval may be modified by the District Manager in writing from time to time.
4. The methods and protocols for sampling, analysis, toxicity testing, and recording shall conform, in order of precedence, to the methods and protocols specified in the following:
  - a. the Ministry's publication "Protocol for the Sampling and Analysis of Industrial/Municipal Wastewater" (January 1999), ISBN 0-7778-1880-9, as amended from time to time by more recently published editions;
  - b. the publication "Standard Methods for the Examination of Water and Wastewater" (21st edition) as amended from time to time by more recently published editions;

## 7. REPORTING

1. One week prior to the start up of the operation of the Works, the Owner shall notify the District Manager (in writing) of the pending start up date.
2. In addition to the obligations under Part X of the EPA, the Owner shall, within ten (10) working days of the occurrence of any reportable spill as defined in Ontario Regulation 675/98, bypass or loss of any product, by-product, intermediate product, oil, solvent, waste material or any other polluting substance into the environment, submit a full written report of the occurrence to the District Manager describing the cause and discovery of the spill or loss, clean-up and recovery measures taken, preventative measures to be taken and schedule of implementation.
3. The Owner shall prepare and submit a performance report to the District Manager on an annual basis within Sixty (60) days following the end of the period being reported upon. The first such report

shall cover the first annual period following the commencement of operation of the Works and subsequent reports shall be submitted to cover successive annual periods following thereafter. The reports shall contain, but shall not be limited to, the following information:

- a. a summary and interpretation of all monitoring data including an overview of the success and adequacy of the sewage Works;
- b. a description of any operating problems encountered and corrective actions taken;
- c. a summary of all maintenance carried out on any major structure, equipment, apparatus, mechanism or thing forming part of the sewage works;
- d. a summary of any effluent quality assurance or control measures undertaken in the reporting period;
- e. a summary of the calibration and maintenance carried out on all effluent monitoring equipment;
- f. any other information the District Manager requires from time to time.

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

1. Condition 1 is imposed to ensure that the Works are built and operated in the manner in which they were described for review and upon which approval was granted. This condition is also included to emphasize the precedence of Conditions in the Approval and the practice that the Approval is based on the most current document, if several conflicting documents are submitted for review.
2. Condition 2 is included to ensure that the Ministry records are kept accurate and current with respect to approved works and to ensure that subsequent owners of the Works are made aware of the Approval and continue to operate the Works in compliance with it.
3. Condition 3 is included to ensure that the works is operated in accordance with the information submitted by the owner relating to the process and materials which are served by the works, and to ensure that any contemplated changes in them which could potentially affect the characteristics of effluent from the works will be properly reviewed and approved.
4. Condition 4 is included to ensure that a comprehensive operations manual governing all significant areas of operation, maintenance and repair is prepared, implemented and kept up-to-date by the Owner and made available to the Ministry. Such a manual is an integral part of the operation of the Works. Its compilation and use should assist the owner in staff training, in proper plant operation and in identifying and planning for contingencies during possible abnormal conditions. The manual will also act as a benchmark for Ministry staff when reviewing the owner's operation of the Works.

5. Condition 5 is included to ensure that the effluent discharged from the Works meets the Ministry's effluent quality requirements thus minimizing environmental impact on the receiver.
6. Condition 6 is included to require the Owner to demonstrate on a continual basis that the quality of the effluent from the approved works is consistent with the design objectives and that the approved works does not cause any impairment to the receiving watercourse.
7. Condition 7 is included to provide a performance record for future references and to ensure that the Ministry is made aware of problems as they arise, so that the Ministry can work with the Owner in resolving the problems in a timely manner.

## **Schedule A**

1. Application for Approval of Municipal and Private Water and Sewage Works dated December 11, 2019 and received on January 9, 2020.



## Schedule B

### Monitoring Program

#### Influent Monitoring Table

<b>Sampling Location</b>	Headwall 7 (forebay inlet)
<b>Frequency</b>	Quarterly
<b>Sample Type</b>	Grab
<b>Parameters</b>	Total Suspended Solids, Copper, pH

\* Quarterly means once every three month

#### Stormwater Management Pond Effluent Monitoring Table

<b>Sampling Location</b>	Outlet Headwall
<b>Frequency</b>	Monthly (after rainfall events producing discharge)
<b>Sample Type</b>	Grab
<b>Parameters</b>	Total Suspended Solids, Copper, pH

\* Monthly means once every month

*In accordance with Section 139 of the Environmental Protection Act, you may by written Notice served upon me, the Environmental Review Tribunal and in accordance with Section 47 of the Environmental Bill of Rights, 1993, the Minister of the Environment, Conservation and Parks, within 15 days after receipt of this Notice, require a hearing by the Tribunal. The Minister of the Environment, Conservation and Parks will place notice of your appeal on the Environmental Registry. Section 142 of the Environmental Protection Act provides that the Notice requiring the hearing shall state:*

- a. The portions of the environmental compliance approval or each term or condition in the environmental compliance approval in respect of which the hearing is required, and;
- b. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

*The Notice should also include:*

1. The name of the appellant;
2. The address of the appellant;
3. The environmental compliance approval number;
4. The date of the environmental compliance approval;
5. The name of the Director, and;
6. The municipality or municipalities within which the project is to be engaged in.

*And the Notice should be signed and dated by the appellant.*

*This Notice must be served upon:*

The Secretary\*  
Environmental Review Tribunal  
655 Bay Street, Suite 1500  
Toronto, Ontario  
M5G 1E5

AND

The Minister of the Environment,  
Conservation and Parks  
777 Bay Street, 5th Floor  
Toronto, Ontario  
M7A 2J3

AND

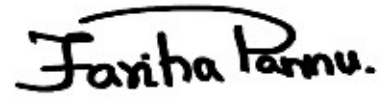
The Director appointed for the purposes of  
Part II.1 of the Environmental Protection Act  
Ministry of the Environment,  
Conservation and Parks  
135 St. Clair Avenue West, 1st Floor  
Toronto, Ontario  
M4V 1P5

**\* Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 212-6349, Fax: (416) 326-5370 or [www.ert.gov.on.ca](http://www.ert.gov.on.ca)**

*This instrument is subject to Section 38 of the Environmental Bill of Rights, 1993, that allows residents of Ontario to seek leave to appeal the decision on this instrument. Residents of Ontario may seek leave to appeal within 15 days from the date this decision is placed on the Environmental Registry. By accessing the Environmental Registry at <https://ero.ontario.ca/>, you can determine when the leave to appeal period ends.*

*The above noted activity is approved under s.20.3 of Part II.1 of the Environmental Protection Act.*

DATED AT TORONTO this 27th day of January, 2021



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Fariha Pannu, P.Eng.

Director

appointed for the purposes of Part II.1 of the  
*Environmental Protection Act*

KH/

c: District Manager, MECP Guelph District.  
Chris Togeretz, P.Eng., Meritech Engineering.