



Newfoundland Labrador

GOVERNMENT
OF
NEWFOUNDLAND AND LABRADOR
Department of Municipal Affairs and Environment
CERTIFICATE OF APPROVAL

Pursuant to the *Environmental Protection Act, SNL 2002, Sections 16, 78 and 83.*

Issued: May 31, 2018
Expiration: May 31, 2022

Approval No.: WMS-18-05-001
File No.: 839.COU.001

Proponent: Country Ribbon Inc.
P.O. Box 803
St. John's, NL
A1C 5L7

Attention: Mr. Ian Blenkham

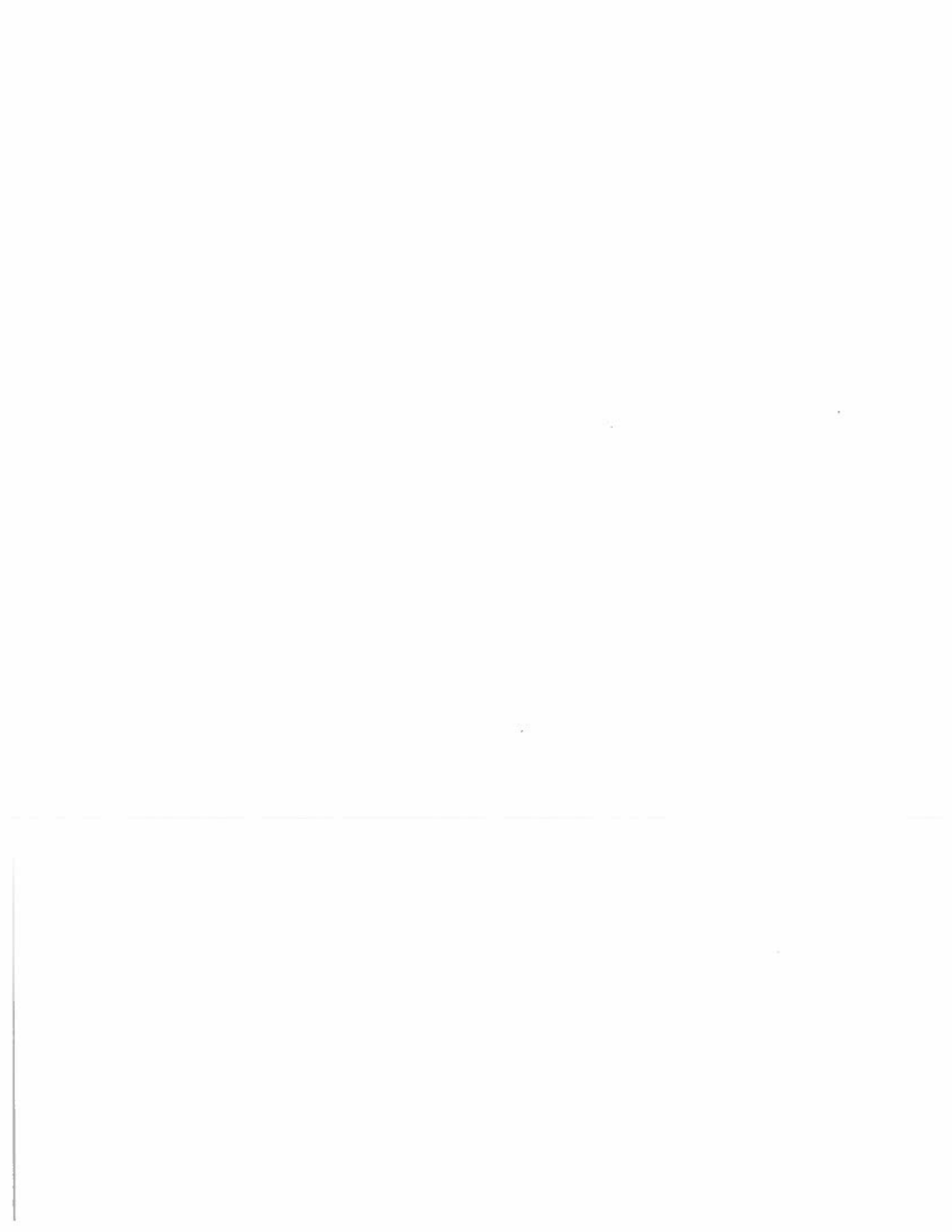
Re: Wastewater Treatment System (St. John's, East White Hills Road)

Approval is hereby given for the continued operation of a wastewater treatment system based at the Country Ribbon Inc. facility located in Building 906, East White Hills Road, St. John's.

This approval does not release the holder from the obligation to obtain appropriate approvals from other concerned provincial, federal and municipal agencies. Approval from the Department Municipal Affairs and Environment (the Department) shall be obtained prior to any significant change in the design, construction, installation, or operation of the facility, including any future expansion of the works. This certificate shall not be sold, assigned, transferred, leased, mortgaged, sublet or otherwise alienated by the holder without obtaining written prior approval from the Minister.

This Certificate of Approval is subject to the terms and conditions as contained therein, as may be revised from time to time by the Department. Failure to comply with any of the terms and conditions may render this certificate of approval null and void, may require the proponent to cease all activities associated with this certificate of approval, may place the proponent and its agent(s) in violation of the *Environmental Protection Act, SNL., 2002, c. E-14-2*, and will make the proponent responsible for taking such remedial measures as may be prescribed by the Department. The Department reserves the right to add, delete, modify or revoke this approval at any time.


For MINISTER



General

1. This approval applies to Country Ribbon Inc.'s operation of a wastewater treatment system for the processing of wastewater originating from processing, evisceration and picking rooms based out of the Building 906, E White Hills Road facility in St. John's, NL.
2. Prior to any expansion or modification of the facility, a letter of application shall be forwarded to the Department requesting an amendment to this approval.

Definitions

3. In this Certificate of Approval (Approval):
 - **adverse effect** means an effect that impairs or damages the environment and includes an adverse effect to the health of humans;
 - **BOD** means biological oxygen demand;
 - **composite sample** means a quantity of undiluted effluent collected at an equal rate or at a rate proportionate to the flow over a designated sampling period;
 - **contaminant** means, unless otherwise defined in the regulations, a substance that causes or may cause an adverse effect;
 - **CRI** means Country Ribbon Inc.;
 - **Department** means Department of Municipal Affairs and Environment ;
 - **Director** means the Director of the Pollution Prevention Division of the Department;
 - **discharge location** means either a sanitary sewer, storm sewer, waterbody (including marine water bodies), groundwater re-injection, holding tank/pond, or settling pond;
 - **grab sample** means a quantity of undiluted effluent collected at any given time;
 - **QA/QC** means Quality Assurance/Quality Control;
 - **Regional Manager** means the Manager of the Service NL regional office in Mount Pearl;
 - **TDS** means total dissolved solids;
 - **TOG** means total oil and grease;
 - **TSS** means total suspended solids;
 - **WWTP** means wastewater treatment plant. Generally, a municipal WWTP treats sanitary sewer flows, but not storm water flows.

Legislation

4. The activities associated with this Approval may involve, but not be limited to, the following provincial Acts and Regulations and their successors:
 - *Environmental Protection Act*

- *Water Resources Act*
- Environmental Control Water and Sewage Regulations, 2003.

Service NL

5. Through a Memorandum-of-Understanding this Department has authorized Service NL to act on its behalf in monitoring this operation for compliance under this Approval and all applicable provincial Acts and Regulations.

Emergency & OHS Preparedness

6. CRI shall maintain an environmental emergency plan, and submit an annual update for review by the Department by January 31.
7. CRI shall ensure that this Approval, or a copy, is kept on site at all times and that personnel directly involved in the operation of the wastewater treatment system are made fully aware of the terms and conditions which pertain to this approval.
8. For after-hours emergencies and spill report call: **1-800-563-9089** or **(709) 772-2083**.
9. All appropriate health and safety procedures shall be constantly maintained at the site in accordance with applicable legislation.

Further Assessment

10. The Minister may at any time, with reasonable notice, require the proponent to conduct or have conducted environmental studies, site assessments, sampling, testing, or investigations where, based upon reasonable and probable grounds, the Minister is of the opinion that the activities regulated by this Approval may have had, or has the potential to have, an adverse effect on the environment.

Spill Prevention

11. Areas in which substances are used or stored which causes or may cause an adverse effect shall have impermeable floors and dykes or curbs and shall not have a floor drain system, nor shall it discharge to the environment. Areas inside the dykes or curbs shall have an effective secondary containment capacity of at least **110%** of the chemical storage tank capacity, in the case of a single storage container. If there is more than one storage container, the dyked area shall be able to retain no less than **110% of the capacity of the largest container or 100 % of the capacity of the largest container plus 10% of the aggregate capacity of all additional containers, whichever is greater**. These dyked areas shall be kept clear of material that may compromise the capacity of the dyke system. Once a year, the dykes shall be visually inspected for their liquid containing integrity, and repairs shall be made when required. Once every ten years, the dykes shall be inspected, by a means other than visual inspection, for their liquid containing integrity, and repairs shall be made when required.

Laboratory Analysis & QA/QC

12. Unless otherwise stated herein, all liquid and solids analysis performed pursuant to this Approval shall be done by a contracted commercial or in-house laboratory as per the **Accredited Laboratory Policy-PD:PP2001-01.02**

http://www.mae.gov.nl.ca/env_protection/lab_policy.pdf

Wastewater Monitoring

13. Once per week a composite or grab sample (as per Table 1) of treated wastewater shall be collected and analyzed for pH, TSS, TPH and BOD as per the Laboratory Analysis & QA/QC section. These results shall be submitted to the Department as per the Reporting section. If a composite sample is obtained, the temperature during collection must be maintained at $\leq 6^{\circ}\text{C}$ and the time of collection shall not exceed 24 hours..
14. Once every three 3 months a composite or grab sample of treated wastewater shall be collected and analyzed for the parameters outlined in Table 1. These results shall be submitted to the Department as per the Reporting section.

Location	EDMS Code	Parameters	Frequency
Post DAF Sampling	00013	pH, TSS, BOD, TOG	Weekly (at least 24 hours apart)
		<p>General Parameters: temperature, dissolved oxygen (DO), nitrate + nitrite, nitrate, nitrite, pH, TSS, colour, sodium, potassium, calcium, sulphide, magnesium, ammonia, alkalinity, sulphate, chloride, turbidity, reactive silica, orthophosphate, phosphorous, DOC, conductance, TDS (calculated), phenolics, carbonate (CaCO₃), hardness (CaCO₃), bicarbonate (CaCO₃)</p> <p>Metals Scan: aluminium, antimony, arsenic, barium, beryllium, bismuth, boron, cadmium, chromium, cobalt, copper, iron, lead, manganese, molybdenum, mercury, nickel, selenium, silver, strontium, thallium, tin, titanium, uranium, vanadium, zinc</p>	Four times per calendar year (at least 30 days apart)

Specified Discharge Criteria

15. Treated wastewater may be directed to the City of St. John's sewer system, provided the concentration of parameters in Schedule B of the Environmental Control Water and Sewage Regulations NLR 65/03 are met and the City of St. John's has agreed to accept the discharge.
16. CRI shall install mitigation measures as necessary to ensure that discharge of treated wastewater does not have any adverse effects on the environment or the City of St. John's sewer system.

Monitoring Alteration

17. The Director has the authority to alter monitoring programs or require additional testing at any time when:
 - pollutants might be released to the surrounding environment without being detected;
 - an adverse environmental effect may occur; or
 - it is no longer necessary to maintain the current frequency of sampling and/or the monitoring of parameters.
18. CRI may, at any time, request that monitoring programs or requirements of this Approval be altered by:
 - requesting the change in writing to the Director; and
 - providing sufficient justification, as determined by the Director
19. The requirements of this Approval shall remain in effect until altered, in writing, by the Director.

Reporting

20. Monthly reports containing the environmental compliance monitoring and sampling information required in this Approval shall be received by the Director in digital format within 30 calendar days of the reporting month. All related laboratory reports shall be submitted with the monthly report in XML format and Adobe Portable Document Format (PDF). Digital report submissions shall be uploaded through the EDMS web portal. The Pollution Prevention Division shall provide details of the portal web address and submission requirements.
21. Each monthly report shall include a summary of all environmental monitoring components and shall include an explanation for the omission of any requisite data. The monthly summary reports shall be in Microsoft Word or Adobe PDF and shall be uploaded through the EDMS web portal with the data submissions.

Incident Reporting

22. All incidents of:

- contingency plan implementation;
- non-conformance of any condition within this Approval;
- spillage or leakage of a regulated substance;
- whenever discharge criteria is, or is suspected to be, exceeded; or
- public complaints concerning possible non-compliance

shall be reported within one working day, to an official or message manager or facsimile machine at Service NL by phoning or faxing.

Service NL (St. John's)
P.O. Box 8700
A1B 4J6
Telephone (709) 729-3699
Facsimile: (709) 729-2071

23. In the event of an incident a written report including a detailed description of the incident, summary of contributing factors and an action plan to prevent future incidents of a similar nature, shall be submitted to the Regional Manager. The action plan shall include a description of actions already taken and future actions to be implemented, and shall be submitted within thirty days of the date of the initial incident.

Expiration

24. This Approval expires on May 31th, 2022.

25. Should the proponent wish to continue to operate beyond this expiry date, a written request shall be submitted to Department for the renewal of this Approval. Such request shall be made at least *6 weeks prior to expiration*.

c.c.

Dan Michielsen, Director
Pollution Prevention Division
Dept. of Municipal Affairs and Environment
michielsend@gov.nl.ca

Robert Locke, Manager of Operations and Environmental Protection
Program and Support Services
Service NL
rlocke@gov.nl.ca

Glenn Worthman, Manager
Compliance Protection and Expert Service
Environment and Climate Change Canada
glenn.worthman@canada.ca