

AMENDED ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER 0982-CGHS5D
Issue Date: October 19, 2022

St. Albert Cheese Co-operative Inc.
150 St. Paul St
Post Office Box, No. 30
St. Albert, Ontario
K0A 3C0

Site Location: St-Albert Cheese Co-operative
150 St. Paul St
The Nation Municipality, United Counties of Prescott and Russell, Ontario
K0A 3C0

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:

alteration, re-rating, usage and operation of existing industrial Works, for the treatment and disposal of industrial sewage from the St. Albert Cheese Co-operative manufacturing facility located at the above site location, with a Rated Capacity of 200 cubic metres per day, consisting of the following:

PROPOSED WORKS

- one (1) internally baffled precast concrete sedimentation and oil/grease separation tank, with a working volume of approximately 39,500 litres, receiving industrial wastewater via gravity sewers and discharging into the proposed pumping station described below after screening;
- one (1) in-channel inclined auger mechanical screening apparatus (2 millimetre effective opening) with provisions for backup manual bar screen, discharging to the proposed pumping station described below;
- one (1) pumping station, consisting of a concrete screened wastewater tank with a working volume of 6,400 litres and equipped with float switches and a high-level alarm, and two (2) dry pit centrifugal pumps, operating in alternating mode at approximately 32 litres per second with a total dynamic head of approximately 21 metres, discharging to the lagoons via the proposed forcemain described below or the existing forcemain as an emergency alternative;
- approximately 1,170 metres of 200 millimetre diameter HDPE forcemain discharging to the existing

aerated lagoon or the proposed settling lagoon;

- two (2) 15 kilowatt floating mechanical aerators to ensure aerobic conditions in the existing aerated lagoon, while keeping at least three (3) of the existing 3.7 kilowatt aspirator-type aerators available for service on a standby basis in the event of failure of one of the proposed 15 kilowatt floating mechanical aerators;
- one (1) chemical dosing system, to be housed in a new lagoon building, for chemical addition at the inlet chamber of the existing monk outlet structure for removal of reactive phosphorus from the aeration lagoon effluent;
- one (1) partitioned facultative settling lagoon (i.e., retrofitted existing polishing pond), operating at a freeboard of 900 millimetres and having a total effective surface area of approximately 1.3 hectares and an effective storage volume of approximately 19,500 cubic metres, complete with internal baffle curtains, discharging to the proposed lagoon level control structure described below;
- one (1) precast concrete lagoon level control structure equipped with weir gates for controlling operating levels and discharging of effluent to the proposed storage lagoon for final storage and supplemental polishing, or to the proposed metering chamber described below for direct disposal;
- one (1) facultative final storage lagoon, operating at a freeboard of 900 millimetres and having a total effective surface area of approximately 2.1 hectares and an effective storage volume of approximately 20,800 cubic metres, discharging to the proposed lagoon level control structure as described above and then to the downstream proposed metering chamber for final disposal via the municipal sewer in accordance with Certificate of Approval No. 9119-4ZERVH issued on August 10, 2001, as amended, the existing on-site fixed irrigation system for spray irrigation, or otherwise land application in accordance with a NASM Plan in accordance with O. Reg. 267/03;
- one (1) metering / irrigation control chamber with provisions for magnetic flow measurement for measuring flow of treated effluent discharged to the sanitary sewer or otherwise to the future fixed irrigation system pumps;

EXISTING WORKS

- existing 100 millimetre diameter forcemain discharging to the aerated lagoon as an emergency alternative to the proposed forcemain described above;
- one (1) existing concrete monk outlet structure equipped with stop logs for aerated lagoon level control;
- one (1) existing completely mixed aerated lagoon, operating at a freeboard of 900 millimetres and having a total effective surface area of approximately 0.26 hectares and an effective storage volume of approximately 3,100 cubic metres, equipped with provisions for mechanical aeration and discharging to the proposed settling lagoon described under Proposed Works;
- one (1) existing polishing lagoon, to be retrofitted and converted to the proposed settling lagoon

described under Proposed Works;

- nine (9) existing fixed-riser, high trajectory irrigation guns, each rated at 9.9 litres per second at a discharge pressure of 689 kilopascals, for spray irrigation of the proposed settling and storage lagoon supernatant on approximately 6.5 hectares of field consisting of seeded perennial grasses, located immediately northeast of the lagoons;
- decommissioning of two (2) existing fixed irrigation risers with the above nine (9) remaining; and
- decommissioning of the existing wastewater collection tank, connecting gravity sewers and transfer pump house upon completion of Proposed Works;

all other controls, electrical equipment, instrumentation, piping, pumps, valves and appurtenances essential for the proper operation of the aforementioned Works;

all in accordance with supporting documents listed in **Schedule A**.

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

1. "Annual Average Daily Influent Flow" means the cumulative total influent sewage flow to the Works during a calendar year divided by the number of days during which sewage was flowing to the Works that year;
2. "Approval" means this entire Environmental Compliance Approval and any Schedules attached to it;
3. "BOD5" (also known as TBOD5) means five day biochemical oxygen demand measured in an unfiltered sample and includes carbonaceous and nitrogenous oxygen demands;
4. "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;
5. "District Manager" means the District Manager of the appropriate local district office of the Ministry, where the Works is geographically located;
6. "*E. coli* " refers to coliform bacteria that possess the enzyme beta-glucuronidase and are capable of cleaving a fluorogenic or chromogenic substrate with the corresponding release of a fluorogen or chromogen, that produces fluorescence under long wavelength (366 nm) UV light, or color development, respectively. Enumeration methods include tube, membrane filter, or multi-well procedures. Depending on the method selected, incubation temperatures include 35.5 + 0.5 °C or 44.5 + 0.2 °C (to enumerate thermotolerant species). Depending on the procedure used, data are reported as either colony forming units (CFU) per 100 mL (for membrane filtration methods) or as most probable number (MPN) per 100 mL (for tube or multi-well methods);
7. "EPA" means the *Environmental Protection Act* , R.S.O. 1990, c.E.19;

8. "Event" means an action or occurrence, at a given location within the Works that causes an Overflow. An Event ends when there is no recurrence of Overflows in the 12-hour period following the last Overflow;
9. "Existing Works" means those portions of the Works included in the Approval that have been constructed previously;
10. "Grab Sample" or "Grab" means an individual sample of at least 1000 millilitres collected in an appropriate container at a randomly selected time over a period of time not exceeding 15 minutes;
11. "Licensed Engineering Practitioner" means a person who holds a licence, limited licence or temporary licence under the *Professional Engineers Act*, R.S.O. 1990, c. P.28;
12. "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;
13. "Owner" means St. Albert Cheese Co-operative Inc., and includes any successors and assignees;
14. "OWRA" means the *Ontario Water Resources Act*, R.S.O. 1990, c. O.40;
15. "Overflow" means a discharge to the environment from the Works at designed location(s) other than the approved effluent disposal facilities or via the effluent disposal facilities downstream of the final effluent sampling point;
16. "Proposed Works" means those portions of the Works included in the Approval that are under construction or to be constructed;
17. "Rated Capacity" means the Annual Average Daily Influent Flow for which the Works is designed to handle;
18. "Works" means the approved sewage works, and includes Proposed Works and Existing Works.

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 CONDITIONS

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 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. EXPIRY OF APPROVAL

1. This Approval will cease to apply to those parts of the Works which have not been constructed within **five (5) years** of the date of this Approval.

3. 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;
 - b. change of address of the Owner;
 - c. change of partners where the Owner is or at any time becomes a partnership, and a copy of the most recent declaration filed under the *Business Names Act*, R.S.O. 1990, c.B17 shall be included in the notification to the District Manager; or
 - d. change of name of the corporation and a copy of the most current information filed under the *Corporations Information Act*, R.S.O. 1990, c. C39 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 and the Director.
3. The Owner shall ensure that all communications made pursuant to this condition refer to the number of this Approval.

4. CONSTRUCTION

1. Upon completion of construction of the Works, the Owner shall prepare and submit a written statement to the District Manager, certified by a Licensed Engineering Practitioner, that the Works is constructed in accordance with this Approval.
2. Within **one (1) year** of completion of construction of the Works, a set of record drawings of the Works shall be prepared or updated. These drawings shall be kept up to date through revisions undertaken from time to time and a copy shall be readily accessible for reference at the Works.

5. CHANGES IN PROCESS OR MATERIALS

1. 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.

6. OVERFLOWS

1. Any Overflow is prohibited, except an emergency Overflow in an emergency situation when a structural, mechanical or electrical failure causes a temporary reduction in the capacity of the Works or when an unforeseen flow condition exceeds the design capacity of the Works that is likely to result in personal injury, loss of life, health hazard, basement flooding, severe property damage, equipment damage or treatment process upset, if a portion of the flow is not overflowed;
2. Notwithstanding the exceptions given in subsection 1, the Owner shall undertake everything practicable to maximize the flow through the downstream treatment process(es) prior to overflowing.
3. At the beginning of an Overflow Event, the Owner shall immediately notify the Spills Action Centre (SAC) and the local Medical Officer of Health. This notice shall include, at a minimum, the following information:
 - a. the type of the Overflow as indicated in subsection 1 and the reason(s) for the Overflow;
 - b. the date and time of the beginning of the Overflow;
 - c. the point of the Overflow from the Works, the treatment process(es) gone through prior to the Overflow, the disinfection status of the Overflow and whether the Overflow is discharged through the effluent disposal facilities or an alternate location;
 - d. the effort(s) done to maximize the flow through the downstream treatment process(es) and the reason(s) why the Overflow was not avoided.
4. Upon confirmation of the end of an Overflow Event, the Owner shall immediately notify the SAC and the local Medical Officer of Health. This notice shall include, at a minimum, the following

information:

- a. the date and time of the end of the Overflow;
 - b. the estimated or measured volume of the Overflow.
5. For any Overflow Event, the Owner shall collect grab sample(s) of the Overflow, one near the beginning of the Event and one every eight (8) hours for the duration of the Event, and have them analyzed at least for BOD5, total suspended solids, total phosphorus, total ammonia nitrogen, nitrate as N, nitrite as N, total Kjeldahl nitrogen, and *E. coli* .
 6. In the event that any Overflow Event results in a spill to an adjacent surface water feature, the Owner shall collect grab sample(s) of the Overflow in accordance with subsection 5 and have the sample(s) analyzed for all parameters as identified in **Table 3** included in **Schedule B** until such time as the spill has been cleaned up. The Owner shall also collect grab surface water samples immediately upstream and downstream of the Overflow discharge point to the South Nation River for the same parameters and frequency as indicated in subsection 5.
 7. The Owner shall develop a notification procedure in consultation with the District Manager and SAC and notify the public and downstream water users that may be adversely impacted by any Overflow Event.

7. OPERATIONS AND MAINTENANCE

1. The Owner shall make all necessary investigations, take all necessary steps and obtain all necessary approvals so as to ensure that the physical structure, siting and operations of the Works do not constitute a safety or health hazard to the general public.
2. The Owner shall ensure that, at all times, the Works and the related equipment and appurtenances used to achieve compliance with this Approval are properly operated and maintained. Proper operation and maintenance shall include appropriate process controls, effective performance, adequate laboratory facilities, adequate staffing and training, including training in all procedures and other requirements of this Approval and the OWRA and relevant regulations made under the OWRA.
3. The Owner shall prepare and maintain an operations manual for the Works that includes, but is not necessarily limited to, the following information:
 - a. operating and maintenance 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 spills, Overflows and any other abnormal situations and for notifying the District Manager; and
 - e. procedures for receiving, responding and recording public complaints, including recording any follow-up actions taken.
4. The Owner shall maintain an up to date operations manual and make the manual readily accessible for reference at the Works for the operational life of the Works. Upon request, the Owner shall make the manual available to Ministry staff.
 5. The Owner shall ensure that the operator(s) of the Works possess the level of training and experience sufficient to allow safe and environmentally sound operation of the Works.
 6. In the event that conditions are not favourable for irrigating effluent from the Works on agricultural lands or discharging effluent to the municipal sewer, the effluent shall be hauled to an appropriate wastewater treatment facility that can accept the effluent via a hauler who is in possession of a Waste Management Systems Approval.
 7. The Owner shall ensure the immediate clean-out of the Works after a fuel or oil spill capture.
 8. The Owner shall ensure that equipment and material for the containment, clean-up and disposal of fuel and oil and materials contaminated with such, is on hand and in good repair for immediate use in the event of:
 - a. loss of fuel or oil to the Works; or
 - b. a spill within the meaning of Part X of the EPA.
 9. The Owner shall maintain a logbook to record the results of all inspections, repair and maintenance undertaken, calibrations, monitoring and spill response or contingency measures undertaken and shall make the logbook available for inspection by Ministry staff. The logbook shall include the following:
 - a. the name of the operator making the entry; and
 - b. the date and results of each inspection, repair, maintenance, calibration, monitoring, spill response and contingency measure.
 10. The Owner shall retain for a minimum of **five (5) years** from the date of their creation, all records and information related to or resulting from the operation and maintenance activities required by this Approval.

8. EFFLUENT DISCHARGE VIA SPRAY IRRIGATION

1. The disposal of lagoon contents from the spray irrigation system shall be on the stipulated area of approximately 6.5 hectares of agricultural land seeded with perennial grasses identified in this Approval.
2. Spray irrigation operation shall be in accordance with the following:
 - a. No application on frozen ground or between November 1 and March 15 of any calendar year.
 - b. Application shall be terminated with the occurrence of rainfall, aerosol drift off property, or surface ponding.
 - c. No irrigation within 90 metres of any surface watercourse or drain.
 - d. During the period of March 16 to June 15 and the period of October 1 to October 31:
 - i. Application shall be the lesser of 55 cubic metres per hectare per day or 84.7 cubic metres per day applied at one time using up to two (2) high-trajectory irrigation guns.
 - ii. Adequate time shall be provided between irrigation events using the same irrigation gun to allow for the soil to dry between applications.
 - e. During the period of June 16 to September 30:
 - i. Application shall be to a maximum allowable rate of 75 cubic metres per hectare in a 24-hour period.
 - ii. The receiving soils shall be allowed to dry between irrigation water applications.
 - f. Sodium loading rates on the stipulated area shall be monitored and remain below 500 kilograms per hectare over a period of 12 months.

9. EFFLUENT DISCHARGE VIA MUNICIPAL SEWER

1. The effluent quality shall meet the requirements of the Corporation of the Nation Municipality By-Law 107- 2012 (Sewer Use By-law), as amended, and be confirmed by sample collection within **thirty (30) days** before discharging water from the lagoons to the municipal sewer.
2. The quantity of lagoon effluent discharged to the municipal sewer shall not exceed the maximum daily flow discharge volume permitted by the Corporation of the Nation Municipality.

10. MONITORING AND RECORDING

1. The Owner shall, upon commencement of operation of the Works, carry out a scheduled monitoring

program of collecting samples at the required sampling points, at the frequency specified or higher, by means of the specified sample type and analyzed for each parameter listed in **Tables 1, 2 and 3** under the monitoring program included in **Schedule B** and record all results, as follows:

- a. all samples and measurements 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.
 - b. definitions and preparation requirements for each sample type are included in document referenced in subsection 2.b.
 - c. definitions for frequency:
 - i. Monthly means once every month;
 - ii. Quarterly means once every three months;
 - d. Sampling locations may only be changed or abandoned and new locations may be added following commencement of operation if, in the opinion of the Director in consultation with the District Manager, it is necessary to do so to ensure representative samples are being collected.
 - e. The Owner shall demonstrate the suitability of Shallow Well #5 and Deep Well #6 as background monitoring wells in annual reporting in accordance with subsection 3 of Condition 11. In the event that these monitoring wells are determined by the Ministry to not be representative of background conditions, alternative background monitoring wells shall be installed.
 - f. If the Owner monitors any of the effluent parameters required by this subsection, at the designated locations and in accordance with subsection 2, more frequently than it is required by this subsection, the analytical results of all such samples, both required and additional, shall be included in the calculating and reporting of the values required by this Approval, and the increased frequency, or all dates of sampling, shall be specified in the reports .
2. The methods and protocols for sampling, analysis and recording shall conform, in order of precedence, to the methods and protocols specified in the following documents and all analysis shall be conducted by a laboratory accredited to the ISO/IEC:17025 standard or as directed by the District Manager:
- a. the Ministry's Procedure F-10-1, "Procedures for Sampling and Analysis Requirements for Municipal and Private Sewage Treatment Works (Liquid Waste Streams Only), as amended;
 - b. the Ministry's publication "Protocol for the Sampling and Analysis of Industrial/Municipal Wastewater Version 2.0" (January 2016), PIBS 2724e02, as amended;
 - c. the publication "Standard Methods for the Examination of Water and Wastewater", as amended; and

- d. for any parameters not mentioned in the documents referenced in subsections 2.a, 2.b and 2.c, the written approval of the District Manager shall be obtained prior to sampling.
3. The Owner shall monitor and record the flow rate and daily quantity using flow measuring devices or other methods of measurement as approved below calibrated to an accuracy within plus or minus 15 per cent (+/- 15%) of the actual flowrate of the final effluent discharged from the Works by continuous flow measuring devices and instrumentations.
4. The Owner shall retain for a minimum of **five (5) years** from the date of their creation, all records and information related to or resulting from the monitoring activities required by this Approval.

11. REPORTING

1. In addition to the obligations under Part X of the EPA and O. Reg. 675/98 (Classification and Exemption of Spills and Reporting of Discharges) made under the EPA, the Owner shall, within **fifteen (15) days** of the occurrence of any reportable spill as provided in Part X of the EPA and O. Reg. 675/98, submit a full written report of the occurrence to the District Manager describing the cause and discovery of the spill, clean-up and recovery measures taken, preventative measures to be taken and a schedule of implementation.
2. The Owner shall, upon request, make all manuals, plans, records, data, procedures and supporting documentation available to Ministry staff.
3. The Owner shall prepare and submit a performance report to the District Manager on an annual basis within **ninety (90) 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 effluent, groundwater and surface water monitoring data, including concentrations, flow rates, and a comparison to the discharge requirements in this Approval and applicable provincial and federal guidelines, i.e., Ontario Drinking Water Quality Standards for groundwater monitoring data, and Provincial Water Quality Objectives and Canadian Water Quality Guidelines for surface water monitoring data, including an overview of the success and adequacy of the Works;
 - b. a summary of all operating issues encountered and corrective actions taken;
 - c. a summary of all normal and emergency repairs and maintenance activities carried out on any major structure, equipment, apparatus or mechanism forming part of the Works;
 - d. a summary of any effluent quality assurance or control measures undertaken;
 - e. a summary of the calibration and maintenance carried out on all monitoring equipment to ensure that the accuracy is within the tolerance of that equipment as required in this Approval or

recommended by the manufacturer;

- f. a tabulation of the measured volume of sludge accumulated in the lagoon cells in five year intervals and the estimated volume in the interim years and when sludge was disposed of during the reporting period, a summary of disposal locations and volumes of sludge disposed at each location;
- g. a summary of any complaints received and any steps taken to address the complaints;
- h. a summary of all Overflows, other abnormal operating conditions and spills within the meaning of Part X of EPA and abnormal discharge events;
- i. a summary of efforts made to achieve conformance with Procedure F-5-1 including but not limited to projects undertaken and completed related to the Works that result in overall Overflow elimination including expenditures and proposed projects to eliminate Overflows with estimated budget forecast for the year following that for which the report is submitted;
- j. any changes or updates to the schedule for the completion of construction and commissioning operation of major process(es) / equipment groups in the Proposed Works;
- k. any other information the District Manager requires from time to time.

12. SPILL CONTINGENCY PLAN

- 1. Within **six (6) months** from the issuance of this Approval, the Owner shall implement a spill contingency plan - that is a set of procedures describing how to mitigate the impacts of a spill within the area serviced by the Works. The Owner shall, upon request, make this plan available to Ministry staff. This plan shall include as a minimum:
 - a. the name, job title and location (address) of the Owner, person in charge, management or person(s) in control of the facility;
 - b. the name, job title and 24-hour telephone number of the person(s) responsible for activating the spill contingency plan;
 - c. a site plan drawn to scale showing the facility, nearby buildings, streets, catch-basins and manholes, drainage patterns (including direction(s) of flow in storm sewers), any receiving body(ies) of water that could potentially be significantly impacted by a spill and any features which need to be taken into account in terms of potential impacts on access and response (including physical obstructions and location of response and clean-up equipment);
 - d. a sampling plan developed in accordance with subsections 5 and 6 of Condition 6 for any Overflow Event resulting in a spill to South Nation River or other surface water features;

- e. steps to be taken to report, contain, clean up and dispose of contaminants following a spill;
 - f. a listing of telephone numbers for: local clean-up company(ies) who may be called upon to assist in responding to spills; local emergency responders including health institution(s); and Ministry Spills Action Centre 1-800-268-6060;
 - g. Safety Data Sheets (SDS) for each hazardous material which may be transported or stored within the area serviced by the Works;
 - h. the means (internal corporate procedures) by which the spill contingency plan is activated;
 - i. a description of the spill response training provided to employees assigned to work in the area serviced by the Works, the date(s) on which the training was provided and by whom;
 - j. an inventory of response and clean-up equipment available to implement the spill contingency plan, location and, date of maintenance/replacement if warranted; and
 - k. the date on which the contingency plan was prepared and subsequently, amended.
2. The spill contingency plan shall be kept in a conspicuous, readily accessible location on-site.
 3. The spill contingency plan shall be amended from time to time as required by changes in the operation of the facility.

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

1. Condition 1 regarding general provisions is imposed to ensure that the Works are constructed and operated in the manner in which they were described and upon which approval was granted.
2. Condition 2 regarding expiry of approval is included to ensure that, when the Works are constructed, the Works will meet the standards that apply at the time of construction to ensure the ongoing protection of the environment.
3. Condition 3 regarding change of Owner is included to ensure that the Ministry records are kept accurate and current with respect to ownership and Operating Authority of the 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.
4. Condition 4 regarding construction is included to ensure that the works are constructed, and may be operated and maintained such that the environment is protected and deterioration, loss, injury or damage to any person or property is prevented.
5. Conditions 5 regarding changes in process or materials is included to ensure that the Works are 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.

6. Condition 6 regarding Overflows is included to indicate that Overflow of untreated or partially treated sewage to the receiver is prohibited, except in circumstances where the failure to Overflow could result in greater damage to the environment than the Overflow itself. The notification and documentation requirements allow the Ministry to take action in an informed manner and will ensure the Owner is aware of the extent and frequency of Overflow Events.
7. Condition 7 regarding operation and maintenance is included to require that the Works be properly operated, maintained, funded, staffed and equipped such that the environment is protected and deterioration, loss, injury or damage to any person or property is prevented. As well, the inclusion of a comprehensive operations manual governing all significant areas of operation, maintenance and repair is prepared, implemented and kept up-to-date by the Owner. 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.
8. Conditions 8 and 9 are included to ensure that the spray irrigation system is operated in such a manner as to minimize detrimental environmental impact off the property and to ensure that discharge to the sewer connection is regulated by the Municipal Sewer by-law of the Corporation of the Nation Municipality.
9. Condition 10 regarding monitoring and recording is included to enable the Owner to evaluate and demonstrate the performance of the Works, on a continual basis, so that the Works are properly operated and maintained at a level which is consistent with the design objectives and compliance limits.
10. Condition 11 regarding reporting is included to provide a performance record for future references, to ensure that the Ministry is made aware of problems as they arise, and to provide a compliance record for this Approval.
11. Condition 12 regarding spill contingency plan is included to ensure that the Owner will implement the spill contingency plan, such that the environment is protected and deterioration, loss, injury or damage to any person(s) or property is prevented.

Schedule A

1. Application for Environmental Compliance Approval for Industrial Sewage Works, dated and received on February 11, 2022, submitted by WSP Canada Inc. on behalf of St. Albert Cheese Co-operative Inc., including design reports, engineering drawings, specifications and all supporting documentation and correspondence submitted in support of this application.
2. Technical Memo Re: St-Albert Cheese Co-operative Industrial Sewage ECA Amendment (Ref# 6708- CBNMAS), dated July 7, 2022, prepared by Willy de Wit, P.Eng. of WSP Canada Inc.
3. Technical Memo Re: St-Albert Cheese Co-operative Industrial Sewage ECA Amendment (Ref# 6708- CBNMAS), dated August 26, 2022, prepared by Willy de Wit, P.Eng. of WSP Canada Inc.

Schedule B

Monitoring Program

Table 1 - Influent and Effluent Monitoring

Sampling Locations	<ul style="list-style-type: none"> ● Influent - Screened Wastewater Tank; ● Aerated Lagoon Effluent - Aerated Lagoon; ● Settling Lagoon Effluent - Settling Lagoon Effluent Chamber in Level Control Structure; ● Storage Lagoon Effluent - Municipal Sewer Connection Chamber in Level Control Structure.
Frequency	Monthly
Sample Type	<ul style="list-style-type: none"> ● Grab - Influent, Settling Lagoon Effluent and Storage Lagoon Effluent; ● Surface Composite - Aerated Lagoon Effluent.
Parameters	<ul style="list-style-type: none"> ● Laboratory Analysis (Year-Round): pH, Alkalinity, BOD5, Chemical Oxygen Demand, Total Suspended Solids, Total Phosphorus, Orthophosphate, Total Kjeldahl Nitrogen, Total Ammonia Nitrogen, Dissolved Organic Carbon, Nitrate, Nitrite, Calcium, Magnesium, Sodium, Chloride, Oil & Grease (Total); ● Laboratory Analysis (June-September): Additionally include: Total Solids, Arsenic, Cadmium, Cobalt, Chromium, Copper, Mercury, Molybdenum, Nickel, Lead, Selenium, Zinc; ● Field Measurements (Year-Round): Conductivity, pH, Temperature, and Dissolved Oxygen.

Table 2 - Groundwater Monitoring

Sampling Locations	Shallow Well #1, Deep Well #2, Shallow Well #3, Deep Well #4, Shallow Well #5, Deep Well #6, Shallow Well #7, Deep Well #8 ¹
Frequency	Quarterly
Sample Type	Grab
Parameters	<ul style="list-style-type: none"> ● Laboratory Analysis: pH, Alkalinity, BOD5, Total Suspended Solids, Total Phosphorus, Total Kjeldahl Nitrogen, Total Ammonia Nitrogen, Dissolved Organic Carbon, Nitrate, Nitrite, Calcium, Magnesium, Potassium, Sodium, Chloride; ● Field Measurements: Conductivity, pH, Temperature.

Note 1: Monitoring well locations are specified in Figure 1 - Proposed Monitoring Plan in the Technical Memo dated August 26, 2022, included in **Schedule A**. Also see Condition 10.1.f for additional requirements on the suitability of Shallow Well #7 and Deep Well #8 as background monitoring wells.

Schedule B (Cont'd)

Table 3 - Surface Water Monitoring

Sampling Locations	SW-2, SW-3, SW4, SW5, SW-6, SW-7, SW-8 and Tile Drainage Outlets ¹
Frequency	Twice per Month from March to November (coinciding with > 10 millimetre precipitation in 24 hours)
Sample Type	Grab
Parameters	<ul style="list-style-type: none"> ● Laboratory Analysis: pH, BOD5, Total Suspended Solids, Total Phosphorus, Total Kjeldahl Nitrogen, Total Ammonia Nitrogen, Un-Ionized Ammonia ², Dissolved Organic Carbon, Nitrate, Nitrite, Calcium, Magnesium, Sodium, Chloride; ● Field Measurements: Conductivity, pH, Temperature, Dissolved Oxygen.

Note 1: Surface water sampling locations are specified in Figure 1 - Proposed Monitoring Plan in the Technical Memo dated August 26, 2022, included in **Schedule A**.

Note 2: The concentration of un-ionized ammonia shall be calculated using the total ammonia concentration, field pH and temperature using the methodology stipulated in "Ontario's Provincial Water Quality Objectives" dated July 1994, as amended.

**Upon issuance of the environmental compliance approval, I hereby revoke Approval No(s).
4026-8L7RYM issued on September 22, 2011.**

In accordance with Section 139 of the *Environmental Protection Act*, you may by written notice served upon me, the Ontario Land 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 ("the Notice") 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.

Pursuant to subsection 139(3) of the *Environmental Protection Act*, a hearing may not be available with respect to any terms and conditions in this environmental compliance approval, if the terms and conditions are substantially the same as those contained in an approval that is amended or revoked by this environmental compliance approval.

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:

Registrar*
Ontario Land Tribunal
655 Bay Street, Suite 1500
Toronto, Ontario
M5G 1E5
OLT.Registrar@ontario.ca

and

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

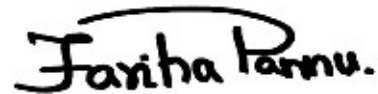
and

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 Ontario Land Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 212-6349 or 1 (866) 448-2248, or www.olt.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 19th day of October, 2022



Fariha Pannu, P.Eng.

Director

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

SW/

c: Area Manager, MECP Cornwall Area Office
c: District Manager, MECP Ottawa District Office
Willy de Wit, M.A.Sc., P.Eng., WSP Canada Inc.