



## **APPROVAL TO OPERATE**

**I-9677 (Amended March 19, 2019)**

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Pursuant to paragraph 5 (3) (a) of the *Air Quality Regulation - Clean Air Act*, this Approval to Operate is hereby issued to:

**McCain Foods Limited**

for the operation of the

**Grand Falls Frozen Food Processing Plant**

Description of Source:

**FROZEN FOOD PROCESSING PLANT**

Source Classification:

**Air Quality Regulation**

**Class 1B**

Parcel Identifier:

**35106764, 35175538, 35300730, 35355445**

Mailing Address:

**795 rte 108**

**Saint-André, NB E3Z 4A5**

Conditions of Approval:

**See attached Schedule "A" of this Approval**

Supersedes Approval:

**I-7964**

Valid From:

**August 16, 2017**

Valid To:

**August 15, 2022**

Recommended by: \_\_\_\_\_

Issued by: \_\_\_\_\_

for the Minister of Environment and Local Government

\_\_\_\_\_

Date

## SCHEDULE "A"

### A. DESCRIPTION AND LOCATION OF SOURCE

McCain Foods Limited, Grand Falls, operates a frozen food processing plant for the preparation of potato French fries and potato specialty products.

There exist potential environmental impacts from: 1) air contaminant emissions from the Steam Peelers, and associated equipment; 2) air contaminant emissions from the fryers and associated equipment; 3) air contaminant emissions from three Boilers; and 4) air contaminant emissions from the biogas flare stack.

The operation of McCain Foods Limited processing plant, located in the Municipality of St. Andre, County of Madawaska and the Province of New Brunswick, and identified by Service New Brunswick as Parcel identifier #35300730, 35106764 and 35175538, is hereby approved under the *Air Quality Regulation - Clean Air Act* **subject to the following:**

### B. DEFINITIONS

**"Approval Holder"** means McCain Foods Limited.

**"Facility"** means the source of air contaminants associated with the property, buildings, and equipment as identified in the Description of Source above, and all contiguous property in title of the Approval Holder at that location.

**"Department"** means the New Brunswick Department of Environment and Local Government.

**"Minister"** means the Minister of Environment and Local Government and includes any person designated to act on the Minister's behalf.

**"Director"** means the Director of the Authorizations Branch of the Department of Environment and Local Government and includes any person designated to act on the Director's behalf.

**"Inspector"** means an Inspector designated under the *Clean Air Act*, the *Clean Environment Act*, or the *Clean Water Act*.

**"environmental emergency"** means a situation where there has been or will be a release, discharge, or deposit of a contaminant or contaminants to the atmosphere, soil, surface water, and/or groundwater environments of such a magnitude or duration that it could cause significant harm to the environment or put the health of the public at risk.

**"normal business hours"** means the hours when the Department's offices are open. These include the period between 8:15 a.m. and 4:30 p.m. from Monday to Friday excluding statutory holidays.

**"after hours"** means the hours when the Department's offices are closed. These include statutory holidays, weekends, and the hours before 8:15 a.m. and after 4:30 p.m. from Monday to Friday.

**"statutory holiday"**, for the purpose of this approval, means the following days: New Year's Day, Good Friday, Easter Monday, Victoria Day, Canada Day, New Brunswick Day, Labour Day, Thanksgiving Day, Remembrance Day, Christmas Day and Boxing Day. If the statutory holiday falls on a Sunday, then the following day shall be considered to be the statutory holiday.

“**self-generated used oil**” means used oil generated in the cause of operating one's own business.

"**used oil**" means oil that has become unsuitable for its original purpose because of the presence of impurities or the loss of its original properties.

"**SWIM**" means Environment Canada's Single Window Information Manager, which is a one-window secure online electronic data reporting system accessible at [www.qhgreporting.gc.ca](http://www.qhgreporting.gc.ca)

## C. TERMS AND CONDITIONS

### GENERAL

1. This Facility has been classified as a **Class 1B** Facility, pursuant to the *Air Quality Regulation, New Brunswick Regulation 97-133* filed under the *Clean Air Act*. The Approval Holder shall pay the appropriate fee **on or before April 1 of each year**.
2. **Prior to November 15, 2021**, the Approval Holder shall make application in writing for an updated Approval and advise of any changes in construction, or modification of the source.
3. The Approval Holder shall operate the Facility in compliance with the *Air Quality Regulation 97-133* filed under the *Clean Air Act* of the Province of New Brunswick. Violation of this Approval or any condition herein stated constitutes a violation of the *Clean Air Act*.
4. The issuance of this Approval does not relieve the Approval Holder from compliance with other by-laws, federal or provincial acts or regulations, or any guidelines issued pursuant to regulations.

5. The terms and conditions of this Approval are severable. If any term and/or condition of this Approval is held invalid, is revoked or is modified, the remainder of the Approval shall not be affected.
6. An Inspector, at any reasonable time, has the authority to inspect the Facility and carry out such duties as defined in the *Clean Air Act*, the *Clean Environment Act* and/or the *Clean Water Act*.
7. The Approval Holder shall make application in writing to the Minister for any modification to the Facility, which would change the currently approved composition and quantity of contaminants being released to the atmosphere. The Minister must receive such application at least **two hundred and seventy (270) days** prior to the planned modification.
8. In the event of facility closure, the Approval Holder shall notify the Minister at least **two hundred and seventy days (270) days** prior to this closure and shall, at that time, prepare and submit to the Minister for review, an updated site plan and an engineering proposal for the site rehabilitation and closure.
9. The Approval Holder shall ensure that all incidents which result in a change in the nature of emissions to the atmosphere, of such a magnitude and duration that could result in deleterious impacts to the environment or result in public complaints to the Facility are **immediately** reported to the Department in the manner outlined in the Emergency Reporting Section of this Approval.
10. The Approval Holder shall ensure that a copy of this Approval to Operate is posted in a prominent location in the main office or working area of the Facility.

## EMERGENCY REPORTING

11. Immediately following the discovery of an environmental emergency, a designate representing the Approval Holder shall notify the Department in the following manner:

During normal business hours, telephone the Department's applicable Regional Office **until personal contact is made** (i.e. no voice mail messages will be accepted) and provide all information known about the environmental emergency. The telephone number for the Regional Office is provided below:

**Grand Falls Regional Office: (506) 473-7744**

After hours, telephone the Canadian Coast Guard **until personal contact is made** and provide all information known about the environmental emergency. The telephone number for the **Canadian Coast Guard is 1-800-565-1633**.

12. Within 24 hours of the time of initial notification, a copy of a Preliminary Emergency Report shall be faxed, by a designate representing the Approval Holder, to the Department's applicable Regional Office *as well as* the Department's Central Office using the fax numbers provided below. The Preliminary Emergency Report shall clearly communicate all information available at the time about the environmental emergency.

Within five (5) days of the time of initial notification, a copy of a Detailed Emergency Report shall be faxed, by a designate representing the Approval Holder, to the Department's applicable Regional Office *as well as* the Department's Central Office using the fax numbers provided below. The Detailed Emergency Report shall include, as a minimum, the following: i) a description of the problem that occurred; ii) a description of the impact that occurred; iii) a description of what was done to minimize the impact; and iv) a description of what was done to prevent recurrence of the problem.

**Grand Falls Regional Office Fax No: (506) 475-2510**

**Central Office Fax No: (506) 457-7805**

## FACILITY MANAGEMENT

13. The Approval Holder shall ensure that all chemicals stored at the Facility are stored in a dedicated Chemical Storage System. The system shall be set up to ensure that all chemicals are:
  - a) secured in sealed and chemically resistant containers;
  - b) away from high traffic areas and protected from vehicle impacts;
  - c) away from electrical panels;
  - d) in a containment area that has secondary containment adequate to contain 110 % of the nominal volume of the largest container in the containment area;
  - e) in a containment area that is designed to prevent contact between incompatible chemicals; and
  - f) in a containment area designed to prevent the release or discharge of chemicals to the environment as a result of a spill.
14. The Approval Holder shall ensure that all biogas produced at the Waste Water Treatment Plant is collected and burned in the flare stack, and shall not be vented directly to the atmosphere.
15. The Approval Holder is approved to burn self-generated used oil in the Steam Plant boilers in accordance with the *Used Oil Regulation*.
16. The Approval Holder shall comply with changes to any applicable regulations governing the sulphur content or volatility of fuels.

## LIMITS

17. The Approval Holder shall ensure that the emissions resulting from the operation of the Facility are controlled to prevent the exceedance of the maximum ground level concentrations outlined in the Schedule B of the *Air Quality Regulation 97-133*, filed under the *Clean Air Act* of the Province of New Brunswick.

## TESTING AND MONITORING

18. The Approval Holder shall conduct performance tests on emissions or ambient air quality at such times and in such manner as the Minister may specify in writing.
19. The Approval Holder shall ensure that odour emissions, released to the atmosphere as a result of the Facility operation, are controlled to prevent impacts to off-site receptors. In the event odour emission impacts are reported as a result of the Facility's operation, the Approval Holder will be required to undertake an odour assessment that will as a minimum:
  - i) confirm the absence or presence of the odour emission impacts;
  - ii) characterize the odour emissions;
  - and iii) provide an action plan to reduce and control the odour emission.
20. The Approval Holder shall ensure that leak inspections on refrigeration systems containing ammonia, are conducted on a monthly basis.

## REPORTING

21. **By February 15 of each year**, the Approval Holder shall submit an Annual Air Quality Report to the Department for the previous calendar year which shall include as a minimum:
  - a) the annual biogas consumption by volume, including the portion sent to the flare;

- b) the average concentration of hydrogen sulphide (H<sub>2</sub>S) in the biogas;
  - c) the type and amount of fuel oil burned and its average sulphur content;
  - d) the amount of waste vegetable oil burned;
  - e) the amount of self-generated used oil burned;
  - f) the amount of natural gas burned;
  - g) the annual emission of sulphur dioxide in tonnes from all sources;
  - h) a summary of the monthly leak detection results conducted on the ammonia refrigeration system; and
  - i) a summary of all incidents reported during the year in compliance with this Approval.
22. **By June 01 of each year**, the Approval Holder shall submit a greenhouse gas emissions report, for the previous calendar year, to the Department by means of the SWIM system. Reporting shall be consistent with Environment Canada's Greenhouse Gas Emissions Reporting Program (GHGRP). Reporting requirements are published annually in the Canada Gazette, Part 1 under the authority of subsection 46(1) of the *Canadian Environmental Protection Act, 1999* (CEPA 1999).

