



APPROVAL TO OPERATE

I-11698

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:

**35355452, 35106764, 35355445, 35355460,
35104850**

Mailing Address:

795 rte 108

Saint-André, NB E3Y 4A5

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

Supersedes Approval: **I-9677**

Valid From: **August 16, 2022**

Valid To: **August 15, 2027**

Recommended by: _____

Issued by: _____

for the Minister of Environment and Climate Change

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.

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 identifiers 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 Climate Change and includes any person designated to act on the Minister's behalf.

"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, Family 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 course 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: [Reporting greenhouse gas emissions - Canada.ca](https://www.ec.gc.ca/greenhouse-gas-emissions-reports)

C. TERMS AND CONDITIONS

GENERAL

1. This Facility has been classified as a **Class 1B** source, 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. 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.
3. 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.
4. 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.

EMERGENCY REPORTING

5. 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 Grand Falls 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 Environment and Climate Change Canada's National Environmental Emergencies Centre (NEEC) **until personal contact is made** and provide as much information that is known about the environmental emergency. The telephone number for the **NEEC is 1-800-565-1633**.

6. Within 24-hours of the time of initial notification, a copy of a **Preliminary Emergency Report** shall be filed by a designate representing the Approval Holder to the Department's Grand Falls Regional Office and Central Office by e-mail. The Preliminary Emergency Report shall clearly communicate as much information that is 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 filed by a designate representing the Approval Holder to the Department's Grand Falls Regional Office and Central Office by e-mail. The Detailed Emergency Report shall include, as 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.

E-Mail Addresses:

Grand Falls Regional Office: elg.egl-region6@gnb.ca
Central Office in Fredericton to the assigned approvals engineer

FACILITY MANAGEMENT

7. 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.
8. The Approval Holder shall ensure that all biogas produced at the Waste Water Treatment Plant is collected and burned in the boilers or flare stack, and shall not be vented directly to the atmosphere.
9. The Approval Holder is approved to burn self-generated used oil in the Steam Plant boilers in accordance with the *Used Oil Regulation*.
10. The Approval Holder shall comply with changes to any applicable regulations governing the sulphur content or volatility of fuels.

LIMITS

11. 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

12. 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.
13. 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.
14. The Approval Holder shall ensure that leak inspections on refrigeration systems containing ammonia, are conducted on a monthly basis.

REPORTING

15. **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 (H₂S) 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 emissions of sulphur dioxide in tonnes from all sources;

- h) the annual emissions of particulate matter in tonnes from all sources;
 - i) a summary of the monthly leak detection results conducted on the ammonia refrigeration system; and
 - j) a summary of all incidents reported during the year in compliance with this Approval.
16. The Approval Holder shall submit a greenhouse gas emissions report by June 1st of each year, 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).

Prepared by: _____

Kalian Hiew
Approvals Coordinator

Reviewed by: _____

Mark Glynn
Manager, Authorizations Branch