



## APPROVAL TO OPERATE

**I-12754**

---

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

**D & N METALS CO. LTD.**  
for the operation of the  
**Grand Falls Metal Reclamation Facility**

Description of Source: **SCRAP METAL RECLAMATION FACILITY**

Source Classification: **Air Quality Regulation** **Class 3**

Parcel Identifier: **65214280**

Mailing Address: **304 Kelly Road  
Grand Falls, NB E3Z 1K3**


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

Supersedes Approval: **I-10802**

Valid From: **February 05, 2025**

Valid To: **February 04, 2030**

Recommended by: 

Issued by:   
for the Minister of Environment and Local Government

February 2, 2025  
Date

## SCHEDULE "A"

### A. DESCRIPTION OF SOURCE

D & N Metals Co. Ltd. operates a metal reclamation facility near Grand Falls. Aluminum and copper wire, scrap metal from industrial facilities, lead acid batteries, scrap power transformers and many other metal laden components are recycled into product streams containing similar and recoverable metals. After removal of larger non-metallic materials, the metals are sorted and processed (cutting, crushing) according to the requirements of customers, which further process or re-use the metallic streams.

There exist potential environmental impacts from: 1) emissions of combustion gases, particulate matter and metals from the sweat furnace; 2) contamination of soils surrounding the facility by contact with the metal components; 3) soil, groundwater and surface water contamination by transformer oils potentially contaminated with polychlorinated biphenyls (PCBs); 4) solid waste consisting of slag, dross, plastics, wood and packaging materials; 5) odours; and 6) elevated noise levels.

The operation of the metal reclamation facility, located at 304 Kelly Road, near the Town of Grand Falls, in the County of Victoria, and the Province of New Brunswick and referred to by parcel identifier (PID) 65214280, is hereby approved **subject to the following:**

### B. DEFINITIONS

**"Approval Holder"** means the name listed on the Certificate page of this Approval.

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

**"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.

**"Facility"** means the property, buildings and equipment located on the property identified by the Parcel Identifier(s) on the Certificate page of this Approval, and all contiguous property in the title and/or control of the *Approval Holder* at that location.

**"Holiday"** means New Year's Day, Family Day, Good Friday, Easter Monday, Victoria Day, Canada Day, New Brunswick Day, Labour Day, National Day of Truth and Reconciliation, Thanksgiving Day, Remembrance Day, Christmas Day and Boxing Day. If the Holiday falls on a Sunday, the following day shall be considered as the Holiday.

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

"**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 Holidays.

"**PCBs**" means polychlorinated biphenyls that have a molecular formula  $C_{12}H_{10-n}Cl_n$  where n has a value greater than 2.

**C. EMERGENCY REPORTING**

- 1a. 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 applicable Department Regional Office **until personal contact is made** (i.e. no voice mail messages will be accepted) and provide as much information that is known about the environmental emergency. The telephone numbers for the six Regional Offices within the Department are provided in the table below.

*After Hours*, telephone **Environment and Climate Change Canada's National Environmental Emergencies Centre (NEEC) until personal contact is made** and provide all information known about the *Environmental Emergency*. The telephone number for the NEEC is **1-800-565-1633**.

- 1b. Within 24-hours of the time of initial notification, a **Preliminary Emergency Report** shall be submitted by the Approval Holder to the applicable Regional Office within the Department and the Department's Central Office using the contact information provided below. 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 **Detailed Emergency Report** shall be submitted by the Approval Holder to the applicable Regional Office within the Department and the Department's Central Office using the contact information provided below. 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.

| Office location             | Phone          | Email  |
|-----------------------------|----------------|--|
| Grand Falls Regional Office | (506) 473-7744 | <a href="mailto:Elg.egl-region6@gnb.ca">Elg.egl-region6@gnb.ca</a> |
| Central Office              | -              | Approval Engineer  |

## D. TERMS AND CONDITIONS

### GENERAL CONDITIONS

2. The *Facility* shall be used exclusively for the receiving, sorting, melting and casting of metals as described in this Approval. The *Approval Holder* shall ensure that all metal materials melted in the sweat furnace are free of rubber and plastics. There are to be no rubber or plastics introduced into the sweat furnace at any time.
3. The *Approval Holder* shall ensure that written records relating to each load of scrap received are maintained for a period of two (2) years. The records shall include the date received, the origin, type, and total weight of each metal received and the destination of the recycled materials.
4. The *Approval Holder* shall ensure that copper or aluminum wire is not processed through the sweat furnace.
5. The *Approval Holder* shall ensure that any scrap transformers are handled in a manner that prevents the release of residual transformer oil to the environment. All transformers shall be dismantled on a drip tray or other device that recovers any residual oil. All transformers shall be stored in an upright position with the cover and any openings sealed to prevent rain or snow from accumulating inside the transformers.

### SOLID WASTE MANAGEMENT

6. The *Approval Holder* shall ensure that the solid waste generated at the *Facility* is disposed of in a manner acceptable to the *Department*. The disposal of the scrap metal, slag, and dross materials to foundries for recycling is acceptable. Other solid waste may be discarded at an approved landfill.

### EMISSIONS AND DISCHARGES

7. The *Approval Holder* shall ensure that all air pollution control equipment, including the primary burners, secondary burner and afterburner, are fully functional and in operation during operation of the sweat furnace. The afterburner shall remain in operation for a period of one (1) hour following shut down of the primary burners to burn off any unburned hydrocarbons remaining in the furnace after operation.
8. The *Approval Holder* shall ensure that during operation of the sweat furnace, the temperature in the afterburner chamber is maintained at no less than 900°C (1650°F), with a minimum gas residence time of one (1) second in the afterburner chamber.

9. In the event of failure of any of the primary burners, secondary burner, or afterburner during the operation of the furnace, the *Approval Holder* shall complete the charge being processed at the time of failure, and no further material shall be charged to the furnace until such time as all burners are fully functional.

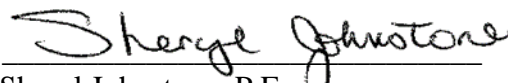
#### TESTING AND MONITORING

10. Where scrap power transformers are received at the *Facility*, the *Approval Holder* shall ensure that the transformers have been drained and the interior is dry prior to shipment to the *Facility*. The *Approval Holder* shall also ensure that the transformer oil has been tested prior to arrival at the *Facility* and has been proven to contain less than 2 mg/kg (2 ppm) of *PCBs*. Supporting documentation containing the results of testing of transformer oil for *PCB* content shall be maintained for a period of five (5) years.
11. In the event that there is residual transformer oil in the scrap transformer, the *Approval Holder* shall ensure that it be recovered, stored separately, sampled and analyzed for *PCBs* prior to disposal. Transformer oil containing *PCBs* at a detectable concentration shall be reported to the *Department* immediately and such oil shall not be disposed of without the prior written approval from the *Department*.
12. The *Approval Holder* shall conduct any testing and monitoring at such times and in such manner as the *Department* may, in writing, require.

#### REPORTING

13. Two (2) weeks prior to the start-up of the sweat furnace, the *Approval Holder* shall advise the *Department's* Grand Falls Regional Office by email of the intended operating dates of the sweat furnace.

Prepared by:   
Kalian Hiew, M.Sc.E  
Approvals Coordinator, Permitting South

Reviewed by:   
Sheryl Johnstone, P.Eng.  
Acting Manager, Permitting South  
Authorizations Branch