

APPROVAL

**Province of Nova Scotia
Environment Act, S.N.S. 1994-95, c.1 s.1**

APPROVAL HOLDER: NORTHERN TIMBER NOVA SCOTIA CORPORATION

SITE PID: 00596437, 20049037, 20051132, 20055448, 20138988,
20140778, 20434288, 40218893, 40218935, 40220899,
40231995, 45366242

APPROVAL NO: 2018-2490274-00

EXPIRY DATE: December 31, 2018

Pursuant to Part V of the *Environment Act*, S.N.S. 1994-95, c.1 s.1 as amended from time to time, approval is granted to the Approval Holder subject to the Terms and Conditions attached to and forming part of this Approval, for the following activity:

Pesticide - Application of Pesticide - Aircraft

A handwritten signature in cursive script that reads "Paula Putnam".

Administrator: Paula Putnam

Effective Date: September 5, 2018

The Minister's powers and responsibilities under the Act with respect to this Approval have been delegated to the Administrator named above. Therefore, any information or notifications required to be provided to the Minister under this Approval can be provided to the Administrator unless otherwise advised in writing.

TERMS AND CONDITIONS OF APPROVAL

Nova Scotia Environment

Approval Holder: NORTHERN TIMBER NOVA SCOTIA CORPORATION

Project: Elmsvale 1, Elmsvale 2, Tent Brook 2, Georgefield, Greenwood, Sheet Harbour 2, Georgefield Test Site, South Branch, Scott Brook, Gerrish Valley, Eastville, River Philip Road, Debert River East

Site:

PID	Civic #	Street Name	Street Type	Community	County
00596437				GREENWOOD	HALIFAX COUNTY
20049037				SOUTH BRANCH	COLCHESTER COUNTY
20051132				SOUTH BRANCH	COLCHESTER COUNTY
20055448				WEST LOON LAKE	HALIFAX COUNTY
20138988				SIMPSON LAKE	COLCHESTER COUNTY
20140778				ECONOMY	COLCHESTER COUNTY
20434288	64	STEVENS	RD.	FOLLY LAKE	COLCHESTER COUNTY
40218893				ELMSVALE	HALIFAX COUNTY
40218935				ELMSVALE	HALIFAX COUNTY
40220899				SHEET HARBOUR	HALIFAX COUNTY
40231672				MARINETTE	HALIFAX COUNTY
40231995				MARINETTE	HALIFAX COUNTY
45366242				UPPER KENNETCOOK	HANTS COUNTY

Approval No: 2018-2490274-00

File No: 35200-30-TRU-2018-2490274

Grid Reference: Easting - 519821, Northing - 5014958, Easting - 455834, Northing - 5001353, Easting - 497426, Northing - 4997053, Easting - 457004, Northing - 5001075, Easting - 423114, Northing - 5032822, Easting - 425925, Northing - 5030792, Easting - 466844, Northing - 5039215, Easting - 492730, Northing - 5004631, Easting - 491543, Northing - 4994540, Easting - 524084, Northing - 4985144, Easting - 534092, Northing - 4977527, Easting - 493488, Northing - 4994993, Easting - 495314, Northing - 4998766

Reference Documents

- Application submitted July 31, 2018 and attachments.

1. Definitions

- a. Act means Environment Act, Chapter 1 of the Acts of 1994-95, and includes, unless the context otherwise requires, all regulations made pursuant to the Act.
- b. Administrator means a person appointed by the Minister for the purpose of this Act, and includes an acting administrator.
- c. Approval means an Approval issued pursuant to this Act with respect to an activity.
- d. Department means the Department of Environment, and the contact for the Department for this approval is:
Nova Scotia Environment
Central Region, Truro Office
36 Inglis Place
Truro, Nova Scotia B2N 4B4

Phone: (902) 893-5880
Fax: (902) 893-0282
- e. Minister means the Minister of Environment and includes any person appointed as a designate of the Minister.
- f. Site means a place where a designated activity and/or undertaking is occurring or may occur

2. General

- a. Strictly adhere to the terms and conditions of this Approval. Make all requests for changes or additions in writing to the Department office found herein.

- b. Do not apply pesticides when wind speeds exceed 10 km/hr. Follow label directions for allowable wind speeds if speeds less than 10 km/hr are quoted on the label. When using the Radiarc sprayer, a single swath along all boundaries and buffer zones must be undertaken in wind speeds of 10 km/hr or less and the remainder may be treated in winds of up to 15 km/hr.
- c. When the application of a pesticide is underway; wind speed must be checked at 15 minute intervals during aerial application and 30 minute intervals during ground application. Should a wind speed reading exceed the maximum; a second reading shall be taken 10 minutes later and if it still exceeds the maximum; the application must cease. It will require 2 consecutive acceptable readings 10 minutes apart to restart the application. Records must be maintained of the time and results of all wind speed readings taken and be provided to the Department upon request.
- d. The Approval Holder(s) shall ensure that this Approval, or a copy, is present at the treatment site or loading/mixing site when the spray program is occurring and that personnel directly involved in the designated activity are made fully aware of the terms and conditions which pertain to this Approval.
- e. Adhere to the contingency plan on file with the Department during an uncontrolled release or other emergency involving pesticides. A copy of the plan must be at the treatment site or mixing/loading area at all times when the work is being undertaken.
- f. Store and maintain equipment and supplies at mixing/loading sites to localize/minimize any environmental impact of a uncontrolled pesticide release.
- g. Return daily reports to the Department no later than one month after the program completion.
- h. If this work is being undertaken on land owned by a person other than the Approval Holder(s); written authorization to treat the property from the landowner must be forwarded to the Department before the work is undertaken. If this written authorization was submitted at the time of application for approval; it is not necessary to resubmit.

3. Operation

- a. The Approval Holder(s) shall protect all surface watercourses which are not located in Municipal potable water supply watersheds with 30 m buffer zones.
- b. Do not apply pesticide within 60 m (measured horizontally) of a well or other source of domestic water.
- c. Use extreme caution when applying pesticide near wetlands to ensure that an

adequate buffer zone is maintained.

- d. Maintain 100 m buffer zones around dwellings, businesses, schools, public buildings or other structures designated by an administrator during aerial spraying. Maintain 30 m buffer zones around dwellings, businesses, schools, public buildings or other structures designated by an administrator, during ground spraying. Dwellings or businesses owned by the Approval Holder(s) are exempt.
- e. The Approval Holder(s) shall maintain buffer zones when applying pesticide near agricultural areas (eg. hay fields, grain fields, blueberry fields, commercial and domestic vegetable gardens, etc.) or other sensitive areas.
- f. Maintain a 10 m buffer zone for any treatment site boundary that is also a property boundary. This buffer may be waived with written permission from the adjacent property owner.
- g. Ensure the boundaries and buffer zones are clearly defined.
- h. Should any sites be within or in close proximity to a Municipal Drinking Water Supply Watershed the Criteria for Pesticide Approvals in or near Municipal Drinking Water Supply Watersheds must be followed.
- i. GPS data shall be recorded during aerial spraying, unless otherwise approved by the Department. All data recorded shall be kept by the Approval Holder for a period of two years following the completion of the spray program. All GPS data recorded by the Approval Holder shall be made available to the Department in a suitable manner and format, upon request.

Aerial Applications

- j. The Approval Holder(s) shall review all treatment areas with the pilot to ensure the pilot is familiar with the spray site, buffer zones, other sensitive areas, and the treatment site boundaries. When a global positioning system is not being used to guide the application in the spray blocks the Approval Holder must accompany the pilot on an aerial pre-spray inspection of the treatment site(s).
- k. The aerial applicator must fly over the treatment area immediately before beginning the application to ensure that there are no unauthorized people in the vicinity of the target area.
- l. The Approval Holder(s) shall notify the Department in writing at least 48 hours before work is undertaken, if ground application is used on aerial sites.

4. Notification

- a. Notify the Department no less than two business days prior to spray commencement so that arrangements can be made to monitor the program.

Continue to keep the Department up to date with the progress of the Program as per an arrangement deemed acceptable by the Department.

- b. Post access to all sites with signs approved by this Department no less than 30 days prior to pesticide application. Provide space on the signs for coloured fluorescent decals which shall be applied when the program commences. All signs must display the following wording "There is to be no consumption of berries and fruit within this spray site(s) for the remainder of the growing season". Do not remove signs during the growing season. Remove all signs by November 1, 2018.
- c. Deliver a written notice to the owner or occupier of all structures (e.g. dwellings, businesses, schools, public buildings or other structures designated by an administrator) located within 500 m of the treatment site. Deliver written notices at least 30 days prior to applying pesticide.
- d. Publish newspaper advertisements acceptable to a Department Administrator outlining the spray program at least 20 days before spraying commences. Forward to the Department proof that the media notice has been published prior to program commencement.
- e. The Applicant shall make all attempts to notify persons living in the vicinity of the treatment area who have requested pre-notification, in the method(s) requested by those persons, of when the application will be taking place.