

# **Standard for Commercial Vehicle Salvage Facilities**

Effective December 1, 2019



## Contents

<b>1</b>	<b>Applicability</b> .....	<b>1</b>
<b>2</b>	<b>Definitions</b> .....	<b>1</b>
<b>3</b>	<b>Separation Distances</b> .....	<b>2</b>
<b>4</b>	<b>Site Operations</b> .....	<b>4</b>
	Receiving Area .....	4
	Dismantling Area .....	5
	Hulk Storage Area .....	5
	Crushing Area(s) .....	5
	Containers and Storage Facilities .....	6
	Recycling, Reuse and Disposal .....	7
<b>5</b>	<b>Reporting and Documentation</b> .....	<b>7</b>
	Contingency Plan .....	7
	Records .....	7
	Spill Clean-Up, Reporting and Remediation of Contamination .....	7
<b>6</b>	<b>Rehabilitation of Facility</b> .....	<b>8</b>
	Abandonment and Rehabilitation .....	8
	Notice of Intent to Abandon and Rehabilitate .....	8
	Method to Rehabilitate the Facility .....	8
	Confirmation of Rehabilitation .....	8
	<b>Appendix A</b> - Hydrogeological Study for Salvage Activities Proposed with Reduced Separation Distance(s) to Wells .....	9
	<b>Appendix B</b> - Abandonment Request Salvage Facility for Vehicles .....	11
	<b>Appendix C</b> - Confirmation of Salvage Facility Rehabilitation Form .....	12

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Revising the Standard for Commercial Vehicle Salvage Facilities, signed by the Minister of Environment on  
December 13, 2018 with effective date of December 1, 2019.

## 1 Applicability

- (1) This Standard applies to a commercial salvage facility which exceeds 0.25 hectares in area, at which vehicles and wet parts are dismantled, crushed, compacted or shredded.
- (2) This Standard describes the minimum requirements for siting, construction, operation and rehabilitation of a facility in subsection (1).
- (3) This Standard does not describe additional requirements which may apply to a facility in subsection (1), including the National Fire Code.

## 2 Definitions

- (1) For the purposes of this Standard, the following definitions apply:

**“Act”** means the Environment Act, S.N.S. 1994-95, c. 1, s. 1;

**“approval”** means an approval required for an activity designated under the Activities Designation Regulations;

**“automotive fluid”** means liquid associated with the normal operation of vehicles, including motive fuel, used oil, antifreeze, brake fluid, windshield wash fluid, hydraulic fluid, gear oil, transmission fluid and power steering fluid, but does not include grease;

**“abandoned”** means the salvage activity has stopped for a minimum of 36 months or notification of abandonment has been received in accordance with the Approval and Notification Procedures Regulations;

**“contamination”** means contamination as defined in the Notification of Contamination Protocol under the Contaminated Sites Regulations;

**“crushing area”** means an area(s) where hulks are stacked or crushed;

**“dismantling area”** means the location where fluids and wet parts are removed from a vehicle;

**“drilled well”** means drilled well as defined in the Well Construction Regulations;

**“dug well”** means dug well as defined in the Well Construction Regulations;

**“hulk”** means a vehicle with automotive fluids, regulated refrigerants, batteries, and mercury switches and sensors removed;

**“hulk storage area”** means an area where hulks are stored;

**“motive fuel”** means motive fuel as defined in the Motive Fuel and Fuel Oil Approval Regulations;

**“municipal drinking water supply”** means a source of water either from groundwater or surface water supplies for a public drinking water supply approved under the Activities Designation Regulations;

**“operation”** means carrying out the salvage of vehicles or wet parts or inactive status prior to being abandoned;

**“receiving area”** means an area where vehicles are parked while waiting to be moved into the dismantling area for processing;

**“regulated refrigerants”** means ozone depleting substances listed in Schedules A and B in the Ozone Layer Protection Regulations;

**“salvage footprint”** includes the areas of a facility used for the receiving area, dismantling area, hulk storage area, crushing area, or storage areas, but does not include the access roads;

**“sealed part”** means a differential and a shock absorber that are not leaking;

**“site”** means site as defined in the Approval and Notification Procedures Regulations;

**“site professional”** means site professional as defined in the Contaminated Sites Regulations;

**“storage area”** means any area used to store wet parts, automotive fluids, batteries, regulated refrigerants, mercury switches and sensors;

**“surface watercourse”** means a watercourse as defined in the Environment Act, excluding groundwater;

**“used oil”** means used oil as defined in the Used Oil Regulations;

**“vehicle”** means a vehicle as defined in the Motor Vehicle Act;

**“well”** means well as defined in the Well Construction Regulations;

**“wet part”** includes a part that contains or contained automotive fluid, including a leaking sealed part but does not include a drained windshield washer fluid container, a radiator overflow container, and a fuel tank with the fuel pump removed.

(2) Terms defined in the Act apply to the Standard, unless otherwise stated.

### 3 Separation Distances

(1) Unless otherwise provided in this Section, the salvage footprint must maintain the minimum separation distances identified in Table 1.

Table 1: Minimum separation distances from Salvage Footprint Limits

Feature	Horizontal Distance (metres)
A) Surface watercourse (top of bank), wetland (boundary) or marine water body	30.5
B) Property line of facility site	3
C) Dug or drilled well (other than municipal drinking water supply)	See subsection (3) below
D) Municipal drinking water supply	See subsections (4) and (5) below
E) Offsite private dwelling place	90

- (2) The minimum separation distances in Table 1 do not apply to the approved salvage footprint of a commercial salvage facility if the approval was issued prior to the coming into force of this Standard, unless the facility has been abandoned.
- (3) The minimum separation distance for item C in Table 1 is equal to the distance specified in the Nova Scotia Well Construction Regulations to a solid waste management facility, landfill, former dump site or other significant source of potential contamination.
- (4) The minimum separation distances for item D in Table 1 are as follows:
  - (a) for a municipal drinking water supply from groundwater supplies,
    - (i) outside the 5 year travel time zone for the supply, for a supply that has a defined 5 year travel zone; and
    - (ii) outside the municipal wellfield, for a supply that does not have a defined 5 year travel zone;
  - (b) for a municipal drinking water supply from surface water supplies, outside the municipal drinking water supply area.
- (5) The location of the minimum separation distances for item D in Table 1 must be ascertained by contacting the Municipal Waterworks Operator and referring to the Municipal Drinking Water Supplies of Nova Scotia map maintained by Nova Scotia Environment;
- (6) An Administrator may reduce the minimum separation distance required for item E in Table 1, if the Administrator is satisfied that the reduction would not cause adverse effects and the applicant for an approval has provided both of the following:
  - (a) a copy of an easement which has been recorded in the Registry of Deeds, from the affected adjacent property owner(s) granting and permitting the encroachment on the regulatory minimum separation distance; and
  - (b) a satisfactory written explanation of why the alternate separation distance is necessary.
- (7) An Administrator may reduce the minimum separation distance required for item C in Table 1, if the Administrator is satisfied that the reduction would not cause adverse effects and the applicant for an approval has provided all of the following:
  - (a) a copy of an easement which has been recorded in the Registry of Deeds, from the affected adjacent property owner(s) granting and permitting the encroachment on the regulatory minimum separation distance;
  - (b) a satisfactory written explanation of why the alternate separation distance is necessary; and
  - (c) a hydrogeological study prepared by a professional engineer or professional geoscientist licensed to practice in Nova Scotia, in accordance with the requirements in Appendix A, that verifies that the reduced separation distance creates no potential for adverse effects.

- (8) An Administrator may reduce the minimum separation distance required for item D in Table 1, if the municipal drinking water supply is from surface water supplies, if the Administrator is satisfied that the reduction would not cause adverse effects and the applicant for an approval has provided the following:
  - (a) a satisfactory written explanation of why the alternate separation distance is necessary; and
  - (b) written confirmation from the municipal drinking water supply operator that they are satisfied that the reduced separation distance creates no potential adverse effects and would not contravene any regulations or by-laws applicable to the municipal drinking water supply.
- (9) An Administrator may impose additional terms and conditions in an approval increasing a minimum separation distance in Table 1, in order to prevent adverse effects.
- (10) An Administrator may refuse to approve a reduction in the minimum separation distances in Table 1, if any of the following apply:
  - (a) allowing the reduced separation distance would violate the intent of the Act, the regulations or this Standard;
  - (b) the reasons for the request to reduce the minimum separation distance result from willful or intentional disregard of the Act, the regulations, or this Standard;
  - (c) the minimum separation distances set out in Table 1 can be met.
- (11) The minimum separation distances set out in Table 1 and any reductions to the minimum separation distances approved by an Administrator in accordance with this Section, apply only to features present at the time of the application for approval.

## 4 Site Operations

### Receiving Area

- (1) When a vehicle, wet part, vehicular battery, or refrigeration or air conditioning equipment is received it must be:
  - (a) inspected to determine if it is leaking,
  - (b) situated so that it is visually evident if there are leaks, and
  - (c) immediately drained, repaired, or removed, if required, to stop any release of a substance.
- (2) A hulk may be stored in the receiving area provided that it is situated so that it is visually evident if there are leaks.

## Dismantling Area

- (3) A dismantling area must contain a dismantling pad large enough for an entire vehicle and the pad must be comprised of:
  - (a) concrete;
  - (b) steel;
  - (c) asphalt with an automotive fluid resistant coating; or
  - (d) a minimum of one metre of low permeability material ( $1 \times 10^{-6}$  cm/sec or lower).
- (4) An outdoor dismantling pad must be sloped and/or bermed to allow releases to be captured.
- (5) A dismantling pad must be able to capture and hold automotive fluids in the event of an accidental release.
- (6) All automotive fluids and wet parts must be removed from vehicles on the dismantling pad., with the exception of the following:
  - (a) drained radiator, power steering reservoir, or power brake reservoir;
  - (b) power steering pump; and
  - (c) differential.
- (7) Leak proof drip-pans, containers, or pump out equipment to prevent a release to the environment must be used when removing automotive fluids and wet parts.

## Hulk Storage Area

- (8) A vehicle is not permitted to be stored in the hulk storage area prior to the removal of:
  - (a) automotive fluids,
  - (b) batteries,
  - (c) regulated refrigerants, and
  - (d) mercury switches and sensors.

## Crushing Area(s)

- (9) Crushing may occur only in the location(s) designated on the site plan submitted to Nova Scotia Environment, unless otherwise stated in the approval.
- (10) Before a vehicle is crushed, the following materials must be removed:
  - (a) automotive fluids;
  - (b) batteries;
  - (c) regulated refrigerants;
  - (d) mercury switches and sensors; and
  - (e) tires.

## Containers and Storage Facilities

- (11) Automotive fluids, batteries, mercury switches and sensors, and regulated refrigerants must be stored in accordance with Sections 7 and 8 of the Dangerous Goods Management Regulations.
- (12) Containers for used oil, antifreeze and windshield washer fluid must be in good condition and have adequate structural support to contain the material.
- (13) To comply with subsection 7(5) of the Dangerous Goods Management Regulations, containers must be labelled in accordance with Table 2.

Table 2: Container Labeling Requirements

Substance(S) in Container	Label
Class 3 Flammable Liquid (e.g. gasoline, diesel)	In accordance with the Transportation of Dangerous Goods Regulations (Canada) or Workplace Hazardous Materials Information System (WHMIS)
Batteries	In accordance with the Transportation of Dangerous Goods Regulations (Canada) or WHMIS
Antifreeze	In accordance with WHMIS
Used Oil	Labeled to clearly indicate contents
Windshield Washer Fluid	Labeled to clearly indicate contents
Mercury Switches and Sensors	Labeled to clearly indicate contents

- (14) A container used to store automotive fluids, batteries, mercury switches and sensors, or regulated refrigerants must be:
  - (a) stored up right and kept off the floor;
  - (b) placed in a manner to allow visual inspection for leaks, corrosion or damage; and
  - (c) closed using tight fitting lids when material is not being added or removed.
- (15) In accordance with section 8(2)(b) of the Dangerous Goods Management Regulations, each building, room or outdoor individual storage area where automotive fluids, batteries, regulated refrigerants, or mercury switches and sensors are stored must have a danger placard on prominent entrances.
- (16) Spill prevention equipment must be used when transferring automotive fluids into or out of containers.
- (17) Any leaking wet parts, batteries, storage containers for automotive fluids must be drained, packaged or repaired to stop the leakage.



## Recycling, Reuse and Disposal

- (18) Automotive fluids and batteries that are not reused must be removed from the site for reuse, recycling or disposal at least once every two years.
- (19) Mercury switches and sensors must be removed from the site for recycling or disposal at least once every two years.

## 5 Reporting and Documentation

### Contingency Plan

- (1) The facility's contingency plan for spills and releases must be updated annually in accordance with the Nova Scotia Department of Environment's Contingency Planning Guidelines.
- (2) The contingency plan and any changes to the plan must be communicated to staff working at the facility.
- (3) The contingency plan must be located at the site at all times and if requested made available to an Inspector from Nova Scotia Environment or fire and emergency personnel.

### Records

- (4) If requested, an inventory of all dangerous goods or waste dangerous goods stored at the site, including automotive fluids, batteries, mercury switches and sensors must be made available to an Inspector from Nova Scotia Environment or fire and emergency personnel.
- (5) The inventory shall include the information required in subsection 11(2) of the Dangerous Goods Management Regulations. For used oil, clause 11(2)(b) of the Dangerous Goods Management Regulations does not apply.
- (6) Records for recycling and disposal of automotive fluids, batteries, mercury switches and sensors, tires, and contaminated soil and materials must include the quantity of material, date of removal, and name of the receiver.
- (7) Records must be retained on site for the two previous years, as well as the current calendar year and made available to an Inspector from Nova Scotia Environment upon request.

### Spill Clean-Up, Reporting and Remediation of Contamination

- (8) Any leaks of automotive fluids or batteries at the site must be stopped by draining or repairing the wet part.
- (9) A spill kit must be available and clearly labelled. The spill kit must include absorbent material(s), neutralizing agent(s) for battery acid, shovel(s), and container(s) compatible for the substance(s) handled.
- (10) The contingency plan must be followed during a spill or release of automotive fluids, battery acid, regulated refrigerants and other substances.

## 6 Rehabilitation of Facility

### Abandonment and Rehabilitation

- (1) Unless otherwise specified in writing by the Minister, rehabilitation must be completed in accordance with this Section within twelve months of abandonment.

### Notice of Intent to Abandon and Rehabilitate

- (2) The approval holder must submit the completed form in Appendix B to Nova Scotia Environment no later than 60 days prior to abandoning the salvage facility,

### Method to Rehabilitate the Facility

- (3) To rehabilitate the facility, the approval holder must complete the following work:
  - (a) reduce the size of the site to less than 0.25 hectares by removing vehicles, hulks, wet parts, equipment and storage containers from the site;
  - (b) remove batteries, regulated refrigerants, and mercury switches and sensors from the site for reuse, recycling or disposal;
  - (c) remove tires from the site to reduce storage to a single pile of less than 100 m<sup>2</sup> and less than three metres high;
  - (d) remove automotive fluids from the site to less than 450 litres; and
  - (e) hire a site professional to assess the site to determine if contamination is present and if formal notification to Nova Scotia Environment is required under the Contaminated Sites Regulations.
- (4) The assessment in clause (3)(e) must include the collection and analysis of sample(s) based on recommendations from the site professional, using the methods for sampling and analysis outlined in the Protocols under the Contaminated Sites Regulations.

### Confirmation of Rehabilitation

- (5) Upon completion of rehabilitation, the approval holder and the site professional must submit the completed Confirmation of Salvage Facility Rehabilitation form in Appendix C.

## Appendix A - Hydrogeological Study for Salvage Activities Proposed with Reduced Separation Distance(s) to Wells

The purpose of the hydrogeological study is to determine if a proposed salvage activity will have an impact on the existing groundwater resources, users, or the environment.

The study must include the following:

1. A minimum of three monitoring wells installed at the site.
2. The monitoring wells must be located around the perimeter of the proposed salvage footprint to allow for long-term monitoring.
3. The monitoring wells must be strategically placed to monitor for potential impacts to off-site wells and surface water bodies, where applicable.
4. All monitoring wells must be provided with surface protection to prevent damage to the well.
5. The water level at each well must be measured and a hydraulic conductivity test completed (i.e., slug test)
6. Groundwater samples must be collected from each monitoring well and tested for the chemical and physical quality parameters that may be influenced by salvage activities (minimum of general chemistry, dissolved metals, and petroleum hydrocarbons). This information must be used to establish background conditions at the site.
7. A hydrological study report must be prepared based on the study results and submitted to Nova Scotia Environment with all the following information included:
  - i) a description of site surface and bedrock geology;
  - ii) a site contours map;
  - iii) groundwater depth, flow direction, velocity, background chemistry;
  - iv) a description of the proposed salvage activities with respect to groundwater including:
    - a. if groundwater is proposed to be used as process water an estimate of how much groundwater will be used
    - b. a description of potential effects on existing water wells, including a list of wells within 500 m of the salvage activity
    - c. whether the salvage activity is within a municipal source water protection area
    - d. a description of potential effects on the environment, including a list of surface water bodies located within 60 m of the salvage footprint, and
    - e. describe any potential quality or quantity effects on these water bodies

- v) recommendations for changes to separation distances identified in Table 1 of the Standard (section 5.1) including any mitigation measures to protect the groundwater resource
- vi) well logs;
- vii) A Contingency Plan for Groundwater Events with details of procedures to be followed to trigger investigation, evaluation and response to changes in water levels or water quality that may cause an adverse effect on a domestic well, watercourse, or wetland, including complaints from a well owner of reduced well yield or water quality concerns.

### Notes:

1. A water withdrawal approval is required if more than 23,000 L/day of water will be used, as per s. 5(1) of the Activities Designation Regulations.
2. Contact the municipality and water utility operator to determine if the salvage facility is located in a municipal source water area.
3. Information on water well locations can be found at the following locations:

<http://www.gov.ns.ca/nse/welldatabase/wellsearch.asp>

and

<http://gis4.natr.gov.ns.ca/website/nsgroundwater/viewer.htm>

## Appendix B

# Abandonment Request Salvage Facility for Vehicles



NSE File #: \_\_\_\_\_

The approval holder must provide written notice to Nova Scotia Environment of their intent to abandon and rehabilitate their salvage facility no later than 60 days prior to their salvage facility approval expiry.

### 1 - Rehabilitation Method

Check the box that applies:

- I will complete the work specified in Section 6 of the Standard for Commercial Vehicle Salvage Facilities (the "Standard") prior to the expiry date of the current approval.
- I am requesting a time extension of my current approval to complete the work specified in Section 6 of the Standard.

Anticipated completion date (day/month/year): \_\_\_\_\_

### 2 - Site Location and Contact Information

<b>Site Location</b> Mandatory must be completed.	Site Address _____	City _____
	Parcel Identification Number (PID) _____	Postal Code _____
	Additional Information. Lot No., GPS, location relative to landmark, etc. _____	
<b>Approval Holder</b> Mandatory must be completed.		
Name: _____		Approval Number _____

### 3 - Signatures

I acknowledge it is an offense under Section 158 of the Environment Act to provide false or misleading information, and confirm to the best of my knowledge and belief the information provided in this form is true and accurate and complies with the relevant provisions of the Environment Act and Regulations.

By signing below, I give notice that I intend to abandon and rehabilitate my commercial salvage facility for vehicles.

Name of Approval Holder: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: (yyyy/mm/dd) \_\_\_\_\_

**or**

If applicable, attach your Registry of Joint Stock Companies print out **or** a letter from the approval holder giving you the authority to act on their behalf.

By signing below, I certify that I am acting with the applicant's full consent.

Name: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: (yyyy/mm/dd) \_\_\_\_\_

**Return completed form and associated documents to the Department of Environment Regional Office.**

To find your Regional Office go online at [www.novascotia.ca/nse/dept/regional-office-locations.asp](http://www.novascotia.ca/nse/dept/regional-office-locations.asp) or call 1-877-936-8476

# Confirmation of Salvage Facility Rehabilitation



NSE File #: \_\_\_\_\_

## 1 - Site Location and Contact Information

Details provided on this form are applicable to:

<b>Site Location</b> Mandatory must be completed.	Site Address _____	City _____
	Parcel Identification Number (PID) _____	Postal Code _____
	Additional Information. Lot No., GPS, location relative to landmark, etc. _____	

<b>Approval Holder</b> Mandatory must be completed.	Name: _____	Approval Number _____
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<b>Site Professional</b> Contact Information	Name _____	Phone _____
	Email _____	Fax _____
	Company Name _____	City _____
	Mailing Address _____	Postal Code _____

## 2 - Confirmation of Work Required to Rehabilitate a Facility

- I have completed the work specified by Section 6 of the Standard for Commercial Vehicle Salvage Facilities (the "Standard") prior to the expiry date of my current approval.

## 3 - Site Professional Declaration

- A site professional was hired to assess the site to determine if contamination was present and if formal notification of Nova Scotia Environment is required under the Contaminated Sites Regulations.

Yes No

- Was contamination discovered at the site?

- Is formal notification required under the Contaminated Sites Regulations?

If **yes**, file this form and Form 100 - Notification of Free Product or Contamination with the Minister of Environment.

If **no**, file this form **and** documentation from the site professional verifying that formal notification is not required to be given to the Minister of Environment.

I acknowledge it is an offence under Section 158 of the Environment Act to provide false or misleading information and confirm to the best of my knowledge and belief that the information provided in this form and supporting documentation is true and accurate and complies with the relevant provisions of the Environment Act and Contaminated Sites Regulations. By signing below, I confirm my qualifications and liability insurance as a site professional as prescribed within the regulations.

Name: \_\_\_\_\_ Professional Registration Number/Stamp: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: (yyyy/mm/dd) \_\_\_\_\_

# Confirmation of Salvage Facility Rehabilitation



## 4 - Signatures

By signing below, I acknowledge that:

I have completed the work required to close a Commercial Salvage Facility as specified in Section 6 of the Standard.

Name of Approval Holder: \_\_\_\_\_ Approval Number: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: (yyyy/mm/dd) \_\_\_\_\_

**or**

If applicable, attach your Registry of Joint Stock Companies print out **or** a letter from the approval holder giving you the authority to act on their behalf.

By signing below, I certify that I am acting with the applicant's full consent.

Name: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: (yyyy/mm/dd) \_\_\_\_\_

**Return completed form and associated documents to the Department of Environment Regional Office.**

To find your Regional Office go online at [www.novascotia.ca/nse/dept/regional-office-locations.asp](http://www.novascotia.ca/nse/dept/regional-office-locations.asp) or call 1-877-936-8476



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