



APPLICATION FOR GROUNDWATER RELEASE DETECTION PERMIT

A GROUNDWATER RELEASE DETECTION PERMIT is issued under RSA 485-C and Env-Or 703 to a facility owner for detection of a release of a regulated contaminant associated with the activities listed in RSA 485-C:13. (Examples include lined wastewater lagoons, lined solid waste landfills, and facilities for processing soils contaminated with petroleum products.)

SUBMIT:

- ONE SIGNED AND COMPLETED APPLICATION (Application shall be prepared and stamped by a professional engineer or professional geologist licensed in the State of New Hampshire.)
- SUPPORTING INFORMATION
- \$2,500 APPLICATION FEE (In the form of a check payable to the "Treasurer - State of New Hampshire." State and local government, including counties and political subdivisions, are exempt.)

TO:

NHDES Waste Management Division
Site Remediation Programs
Groundwater Release Detection Permit Coordinator
PO Box 95, 29 Hazen Drive
Concord, NH 03302-0095

If you have any questions, contact the Groundwater Release Detection Permit Coordinator at (603) 271-3644.

CERTIFICATION OF NOTICE TO LOCAL TOWN/CITY CLERK:

In order to meet the requirements of Env-Or 703.02 (b), the undersigned certifies that on _____ 20__, a copy of this complete permit application was given to the Town/City Clerk of _____ (the town in which the facility requesting a permit is located).

Date: _____ Applicant Signature: _____

Applicant Name: (print or type): _____

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- I. Facility Type Existing Proposed
- Hazardous waste disposal facility as defined under RSA 147-A
 - Lined solid waste landfill
 - Lined wastewater lagoon
 - Facility for processing soils contaminated with petroleum products

The following facilities located in a class GAA wellhead protection area:

- New solid waste composting facility
- New solid waste resource recovery facility
- Outdoor storage of road salt and other deicing chemicals in bulk
- Existing motor vehicle salvage yard or salvage yard
- Existing snow dump

II. Facility Information

Facility Name: _____
Address: _____
City: _____ State: _____ Zip: _____
Tax Map: _____ Lot Number: _____
Deed Reference: County: _____ Book and Page: _____

III. Facility Owner (Permit Applicant) Information

Facility Owner Name: _____ Phone (____): _____
Mailing Address: _____
City _____ State _____ Zip _____
Email _____ Fax # _____

IV. Property Owner Information (complete only if different than facility owner)

Property Owner Name: _____ Phone (____): _____
Mailing Address: _____
City _____ State _____ Zip _____
Email _____ Fax # _____

V. Facility Operator Information (complete only if different than facility owner)

Facility Operator Name: _____ Phone (____): _____
Mailing Address: _____
City: _____ State: _____ Zip: _____

VI. Contact Person Information

Contact Person Name: _____ Phone (____): _____
Mailing Address: _____
City _____ State _____ Zip _____
Email _____ Fax # _____

VII. Supporting Information

(Check Yes, "Y", if information is enclosed, or Not Applicable, "N/A", if requested information does not apply.)

Y N/A

- 1. A complete description of the facility, its intended capacity, type of wastes or wastewater handled, together with supporting information describing the process involved in the treatment, storage or disposal of wastes;
- 2. A brief description of precautions used at the facility to prevent potential contamination. Include a description of facility construction (liner types, diversion ditches, etc.) and management practices which help prevent potential waste disposal or leakage;
- 3. For a new facility estimated construction time. Projected start-up date;
- 4. In the case of industries, include all pertinent information, including Standard Industrial Code (SIC), concerning processes, production, and associated waste treatment;
- 5. USGS map, 7-1/2 minute series (if available), which clearly identifies the facility location;
- 6. A potential receptors map, using a tax map as a base, which identifies and locates the following:
 - a. Streets within 1,000 feet of the facility;
 - b. Properties, including tax map and lot, ownership and land use information, within 1,000 feet of the site;
 - c. Physical structures, storage areas, and buildings, including information on building use and existence of basements, within 1,000 feet of the facility;

- d. Surface water bodies on and within 1,000 feet of the facility; and
- e. Water supply wells, including type of use, within 1,000 feet of the facility.
- 7. Detailed facility plan prepared in accordance with the following:
 - * a. The plan shall include a title, a legend, and a true north arrow;
 - * b. The plan shall be drawn to scale and the scale shall be noted on the plan and include a graphic scale bar;
 - c. The base plan source from which the site plan was derived shall be noted on the plan;
 - d. The location, elevation, and datum of the bench mark shall be included. If a bench mark referenced to NGVD is within 1,000 feet of the site, elevation shall be recorded using NVGD and the source of the NGVD bench mark information shall be noted on the plan;
 - e. Ground surface spot elevations and contours to show surface topography; and
 - f. The site plan shall identify and locate the following:
 - * 1. Physical structures, storage areas, and buildings associated with the facility;
 - * 2. Existing and proposed groundwater monitoring wells that will be monitored;
 - * 3. Surface water sampling points;
 - * 4. Groundwater contours within 100 feet of the facility;
 - * 5. Surface water bodies on and within 100 feet of the facility;
 - 6. Land surface contours within 100 feet of the facility;
 - 7. Piezometers used to develop groundwater contours;
 - 8. Table of water level measurements and elevations found in piezometers and monitoring wells used to develop the groundwater contours;
 - 9. Soil borings and test pits within 100 feet of the facility;
 - 10. Above and underground storage tanks associated with the facility;
 - 11. Underground utilities at the facility; and
 - 12. Subsurface drains at the facility.
- 8. If the facility plan is larger than 11 inches by 17 inches, the applicant shall also provide a copy of the plan scaled to fit an 8-1/2 inches by 11 inches or 11 inches by 17 inches sheet and modified to make the starred (*) items listed in Part VII (7) above legible.
- 9. A table, in a format acceptable to DES, summarizing all monitoring results to date from existing monitoring points including initial background values for all parameters listed under Env-Or 603.03;
- 10. A list of reports on land use history, activities, water quality, and hydrogeology associated with the property on which the facility is located;
- 11. A detailed proposal for a water quality monitoring program, including proposed monitoring schedule, parameters to be analyzed, and monitoring locations, with supporting information justifying the locations, frequency, and parameters selected;
- 12. Test pit and boring log data including textural description, drilling methods, blow counts, and water table observation; and
- 13. Well construction details of existing monitoring wells, top of well casing elevations, and measured depth to water table from top of casing.

VIII. Permit Issuance Information

- A. Within 90 days from the receipt of a complete permit application, DES shall issue a permit for a period of five years, subject to renewal, if compliance with Env-Or 703.02 through Env-Or 703.08 have been met. DES shall notify the applicant of its decision in writing by issuing a permit or denying the application.
- B. DES shall have the right to enter any permitted facility for the purpose of collecting information, examining records, collecting samples or undertaking other action associated with the permit.
- C. The permittee shall submit to DES before facility start-up, an as-built site plan on an 8 ½" x 11" or 11" x 17" sheet, and boring logs and well construction details.
- D. The permittee shall submit two complete set of water quality results to DES before facility start-up.
- E. The permittee shall apply for the renewal of the permit 90 days prior to it expiration date.
- F. A permittee may request a permit modification or permit termination by submitting a written request to DES, including the reasons for the modification or termination and a table (in a format acceptable to the department) summarizing all monitoring results to date for existing monitoring points. DES shall modify or terminate the permit or deny the request, stating the reasons for denial in writing, within 90 days of the request.
- G. Prior to transfer of a release detection permit, the current permittee shall file a written request with DES for a transfer of the permit to the new permittee. The request shall be on a form provided by the department and include a summary of all monitoring results to date in a format acceptable to DES. Within 45 days of receiving a request for transfer, the department shall notify the present permittee and the new permittee of its decision in writing.

IX. Certification

To the best of my knowledge, the data and information that I have submitted to obtain the Groundwater Release Detection Permit from the New Hampshire Department of Environmental Services, are true and correct.

The undersigned certifies that application has been made for all required local, state or federal permits.

Date: _____ **Signature:** _____
Permit Applicant

Name: (print or type): _____

IX. Professional Certification

Date: _____ **Signature:** _____
Professional Engineer or Geologist

Name: (print or type): _____

The New Hampshire licensed professional engineer or geologist who prepared this Permit Application is required to stamp this document in the space provided below.

No liability is incurred by the State by reason of any approval for Groundwater Release Detection Permits. Approval by the New Hampshire Department of Environmental Services is based on the information supplied by the applicant. No guarantee is intended or implied by reason of any advice given by DES or its staff.