



State of New Hampshire
DEPARTMENT OF ENVIRONMENTAL SERVICES

6 Hazen Drive, P.O. Box 95, Concord, NH 03302-0095
(603) 271-2900 FAX (603) 271-2456



September 21, 1998

Larry B. Lackey, Vice President - Permits, Compliance & Engineering
North Country Environmental Services, Inc.
581 Trudeau Road, P.O. Box 9
Bethlehem, New Hampshire

Subject: Notice of Intent to Construct Phase II of the Stage II; NCES Lined Landfill; Bethlehem New Hampshire; WMD Log# 199800415; Permit No. DES-SW-89-009

Dear Mr. Lackey:

Enclosed please find a copy of the Subject document bearing the Department of Environmental Services Waste Management Division's receipt stamp and log number. The returned copy of the notice constitutes approval to commence ~~closure~~ construction as specified in the notice, and in accordance with the approved plans and specifications, all applicable rules, regulations and the terms and conditions of the permit. Please note that Env-Wm 2804.03 of the New Hampshire Solid Waste Rules, requires that the returned copy of the notice be attached to a copy of the September 15, 1998 type II permit modification which granted approval of the applicable plans and specifications, and that these documents be prominently displayed at the construction site.

This approval to commence construction shall expire one year from the date of this letter if construction has not commenced by that date.

If there are questions, please contact Daniel Dudley, P.E. at (603) 271-5185. Thank you.

Sincerely,

Michael Guilfooy, P.E., Acting Section Supervisor
Permitting & Design Review Section
Waste Management Division

encl. Notice of Intent to Construct
cc: **P&DRS Files**
SWMB
PIP
Town of Bethlehem
SW District
Sanborn, Head & Associates

TOWN: Bethlehem
PROJECT: NCES Landfill Stage II
LETTER/DATA/PERMIT/FA/OT

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North Country Environmental Services, Inc.

16 State Street
Montpelier, Vermont 05602

(802) 223-7220
(802) 223-7128 Fax

September 16, 1998

Mr. Michael Gilfoy, P.E.
NH Department of Environmental Services
Waste Management Division
PO Box 95
Concord, NH 03302-0095

UMO Log# 199800415

**RE: North Country Environmental Services, Inc. (NCES)
Bethlehem, New Hampshire
Stage II - Phase II, Type II Permit Modification for Construction
Permit No. DES-SW-89-009**

Dear Mr. Gilfoy:

In accordance with the above referenced modification, this letter should serve to comply with Env-Wm 2804.02:

(a) A "notice of intent to construct" shall include:

(1) Facility identification;

**North Country Environmental Services, Inc.
Permit No. DES-SW-89-009**

(2) A construction schedule that provides the following information:

a. The intended starting date of construction; and

September 21, 1998

b. The discrete construction activities to be performed, the order in which they will be performed, the projected starting date for each and the estimated length of time required to complete each activity;

Decommissioning Wells MW405U&L, MW406U&L	Sept. 16 - 25
Installing Wells MW801-MW805	Sept. 23 - Oct. 2
Excavation of Stage II Phase II to 1' below grade	Sept. 16 - 25
Placement of Screened Till below secondary liner	Sept. 21 - Oct. 9
Installation of secondary liner and collection system	Oct. 5 - Oct. 23
Installation of primary liner and collection system	Oct. 19 - Nov. 6
Leachate collection valve box and force main	Oct. 12 - Nov. 13
Construction of access road and swale	Oct. 19 - Nov. 27
Installation of Leachate Storage Tank	Nov. 23 - Dec. 11
Miscellaneous work and Clean-up	Nov. 23 - Dec. 18

(3) The name, address and professional qualifications of the construction contractor(s);

**General Contractor:
Casella Construction Inc.
PO Box 866
Rutland, VT 05702**

Casella Construction has successfully completed many landfill projects including the construction of NCES's Stage II Phase I and the Closure of Stage I.

**Liner Installer:
Terrafix Environmental Technology, Inc.
425 Attwell Dr.
Rexdale, Ontario
Canada M9W 5C4**

Terrafix Environmental Technology, Inc. has successfully completed many flexible membrane in the United States and Canada including NCES's Stage II Phase I liner and the cap for Stage I.

- (4) *For construction of a facility which is subject to Env-Wm 2804.06, the name(s), address(es) and telephone number(s) and professional qualifications of the resident engineer and project engineer as required by Env-Wm 2804.06;*

**Sanborn, Head & Associates
6 Garvins Falls Road
Concord, NH 03304-5174
(603) 229-1900
Project Engineer: R. Scott Shillaber, P.E.
Resident Engineer: Dennis Porter/Matthew Poirier**

Sanborn, Head & Associates have been the design and project engineers for many landfill projects in New England. There most recently completed projects includes NCES's Stage II Phase I and the closure of Stage I.

- (5) *For construction of a facility which is not subject to Env-Wm 2804.06, the name(s), address(es) and telephone number(s) of the person(s) in responsible charge of construction activities;*

N/A

- (6) *Identification of the plans and specifications approved for construction, by attaching a copy of the approval or providing references to the terms and conditions of the permit wherein the approval is granted;*

See attached approval.

- (7) *Affirmation that all requisite federal, state, district and local permits, licenses or approvals have been obtained for constructing the facility in accordance with the approved plans and specifications; and*

The Company has received a permit in 1989 from the Waste Management Division for Stage II of the landfill. The company also holds a 1976 variance and a 1985 special exception from the town of Bethlehem. The company maintains that these approvals and the recently issued Waste

Management Division construction approval for Stage II, Phase II constitute the necessary approvals for landfill construction.

- (8) *Affirmation that all other prerequisite approvals and actions, as specified in Env-Wm 2804.01(a), have been satisfied for the proposed construction activity.*

See Type II permit modification enclosed.

- (b) *The notice of intent to construct shall be signed by the permittee and property owner.*

See below

Should you have any questions, please do not hesitate to give me a call at (802)223-7220.

Sincerely,

NORTH COUNTRY ENVIRONMENTAL SERVICES, INC.



Larry B. Lackey, Vice President
Permits, Compliance, Engineering

Enclosure: **Record of Modification to Solid Waste Management Facility Permit - Stage II Phase II**

- C: James W. Bohlig, North Country Environmental Services, Inc.
William T. Clifton, North Country Environmental Services, Inc.
Donald Monahan, North Country Environmental Services, Inc.
R. Scott Shillaber, P.E., Sanborn, Head & Associates



State of New Hampshire
DEPARTMENT OF ENVIRONMENTAL SERVICES

6 Hazen Drive, P.O. Box 95, Concord, NH 03302-0095
(603) 271-2900 FAX (603) 271-2456



September 15, 1998

Larry B. Lackey, Vice President - Permits, Compliance & Engineering
North Country Environmental Services, Inc.
581 Trudeau Road, P.O. Box 9
Bethlehem, New Hampshire

Subject: Application for Type II Permit Modification for Construction of Phase II of Stage II at the Bethlehem NCES Lined Landfill; WMD Log#s 199800307; 199800357; 199800387; 199800399; 199800400; and 199800402; Permit No. DES-SW-89-009

Dear Mr. Lackey:

The New Hampshire Department of Environmental Services, Waste Management Division (Department) has completed its review of the above-referenced application for permit modification which includes proposed design plans and supporting technical documents for construction and closure of Phase II of the Stage II Landfill. The requested permit modification is herewith granted, pursuant to RSA Chapter 149-M:9 and Part Env-Wm 315 of the New Hampshire Solid Waste Rules (Rules). Please attach the enclosed modification to your copy of the above-referenced permit, to establish a clear and permanent record of this action.

Please note this modification is not an approval to commence construction. Prior to starting construction, the permittee must file a "notice of intent to construct" pursuant to Section Env-Wm 2804.02 of the Rules and receive written confirmation of receipt of the notice from the Department.

You are responsible for assuring that the Phase II construction occurs in strict accordance with all terms and conditions of the enclosed modification. Department personnel will periodically review construction activities at the site.

Additional Type II permit modification applications will be required in order for the permittee to obtain Department approval of the revised facility operating plan and financial assurance plan. The Type II application for operating plan approval must demonstrate the suitability of the proposed sodium bromide tracer. The application for financial assurance plan approval must address all outstanding issues relating to financial assurance.

Please also be aware that a revised Release Detection and Groundwater Management Permit will be required prior to operation of Phase II.

If there are questions, please contact Daniel Dudley, P.E. at (603) 271-5185. Thank you.

Sincerely,

Michael Guilfooy, P.E., Acting Section Supervisor
Permitting & Design Review Section
Waste Management Division

encl. Record of Modification to Solid Waste Management Facility Permit No. DES-SW-80-009
cc: P&DRS Files
SWMB
PIP
Town of Bethlehem
SW District
Sanborn, Head & Associates

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TERMS AND CONDITIONS

1. The permittee shall file a "notice of intent to construct" and comply with all other requirements of Env-Wm 2804.01 through 2804.03 prior to commencing construction of Phase II of the Stage II Landfill.
2. Prior to commencing operation of Phase II of the Stage II Landfill, the permittee shall obtain Department approval for a revised facility operating plan, and a revised financial assurance plan. These plans shall be submitted to the Department as Type II permit modifications, as required by Env-Wm 2805.01.
3. The approved Final Grading Plan (WMD Log#199800399) identifies the limits of the area to be capped in 1999. The permittee shall submit, to the Department, a Type II permit modification application which includes detailed plans and specifications for this portion of the closure. Construction of the closure work shall be completed by the end of the 1999 construction season.
4. Throughout construction, the Permittee shall submit, to the Department, bi-weekly progress reports, and amended construction schedules prepared pursuant to Env-Wm 2804.07 of the Rules no later than the Wednesday following the end of each two week work period. The bi-weekly progress reports shall include inspection reports prepared pursuant to Env-Wm 2804.04(g) and (h) of the Rules.
5. The Permittee shall maintain interaction with the Department during construction pursuant to Env-Wm 2804.08 of the Rules.
6. No later than 90 days following completion of construction, the applicable record drawings shall be supplied to the Department pursuant to Env-Wm 2804.07(f) of the Rules. Such record drawings shall be prepared in accordance with the standards specified in Env-Wm 2803.05 of the Rules.



RECORD OF MODIFICATION TO SOLID WASTE MANAGEMENT FACILITY PERMIT

as authorized by the
NH Department of Environmental Services, Waste Management Division (Department)
pursuant to RSA 149-M and Section Env-Wm 315 of the New Hampshire Solid Waste Rules (Rules)

I. **PERMIT/FACILITY IDENTIFICATION:**

Permit No.: DES-SW-89-009
Permittee: North Country Environmental Services, Inc.
Facility Name: North Country Environmental Services, Inc.
Facility Location: Trudeau Road, Bethlehem, New Hampshire
Facility Type: Lined Landfill
Permit Modification Type: Type II

II. **FILE REFERENCE/RECORD OF APPLICATION:**

Date Received: July 20, 1998; August 17, 1998; September 1, 1998; September 8, 1998 (2 Items); and
September 14, 1998.
WMD Log No.: 199800307; 199800357; 199800387; 199800399; 199800400; and 199800402

III. **MODIFICATION:** Pursuant to the provisions of Part Env-Wm 315, this Type II modification constitutes approval of the above noted plans and specifications for construction and closure of Stage II of the Phase II Landfill.

IV. **TERMS AND CONDITIONS:** Construction shall occur in accordance with RSA 149-M, the Rules, the facility's permit, and the attached additional conditions.

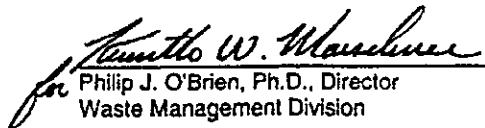
6 Conditions are attached

V. **EFFECTIVE DATE:** Date of signature below.

VI. **AUTHORIZING SIGNATURE:** The permit identified in Section I above is hereby modified as specified in Section III above. This authorization is based on information and representations provided to the Department by the permittee, in documents referenced in Section II above. If the information is false, misleading or incomplete, the modification may be revoked or suspended in accordance with Section Env-Wm 306 of the New Hampshire Solid Waste Rules.

BY EXERCISING ANY RIGHTS UNDER THIS AUTHORIZATION, THE PERMITTEE HAS AGREED TO ALL TERMS AND CONDITIONS OF THE PERMIT, AS MODIFIED. Failure to comply with the terms and conditions of the permit could result in civil or criminal penalties, suspension or revocation of the permit, or administrative fine. No liability is incurred by the State of New Hampshire by reason of any approval of this solid waste facility. No warranty/guarantee is intended or implied by reason of any advice given by the Department or its staff.

This permit shall not eliminate the permittee's obligation to obtain all requisite federal, state or local permits, licenses or approvals, or to comply with all other applicable federal, state, district and local permits, ordinances, laws, approvals or conditions relating to the facility.


Philip J. O'Brien, Ph.D., Director
Waste Management Division

9/15/98
Date