



Waste Management Division

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APPLICATION FORM FOR TYPE I MODIFICATION TO SOLID WASTE MANAGEMENT FACILITY PERMIT

pursuant to
RSA 149-M and New Hampshire Administrative Solid Waste Rule Env-Sw 315

SECTION I. FACILITY IDENTIFICATION

(1)	Facility name: WASHINGTON MUNICIPAL LANDFILL
(2)	Functional classification: <input type="checkbox"/> collection/storage/transfer <input type="checkbox"/> processing/treatment <input checked="" type="checkbox"/> landfill
(3)	Mailing address: PO BOX 478, WASHINGTON, NH 03280
(4)	Permit number: DES-SW-TP-95-021
(5)	Location, by street address and municipality: 952 S MAIN STREET, WASHINGTON NH, 03280

SECTION II. PERMITTEE IDENTIFICATION

(1)	Permittee/applicant name: TOWN OF WASHINGTON		
(2)	Mailing address: 7 HALFMOON POND ROAD, WASHINGTON, NH 03280		
(3)	Telephone number: 603.495.3641		
(4)	If different than above, identify the individual associated with and designated by the permittee/applicant to be the contact individual for matters concerning this application:		
(a)	Name: EDWARD THAYER	(b)	Title: ROAD AGENT
(c)	Mailing address: PO BOX 478, WASHINGTON, NH, 03280		
(d)	Telephone number: 603.495.3641	(e)	E-Mail: ethayer@washingtonnh.org

SECTION III. DESCRIPTION OF PROPOSED MODIFICATION

Describe the proposed modification by answering each of the following questions. Use additional paper as necessary.

(1)	Provide a BRIEF description of the proposed modification. [Check box if response is provided on separate paper <input type="checkbox"/>		
	Revise Permit Condition #2 to allow biennial reporting (every 2 years) and biennial LFG monitoring as advised in 2009 NHDES letter.		
(2)	Identify whether the proposed modification is a "type I-A" or "type I-B" modification. (If uncertain, use the worksheet provided with the instructions for this form): <input type="checkbox"/> Type I-A <input checked="" type="checkbox"/> Type I-B		
(3)	Identify, either below or on separate paper, each written permit condition that will require amendment to effect the proposed modification and provide draft language for the same. [Check box if response is provided on separate paper <input checked="" type="checkbox"/>		
	Permit Condition #2 and Closure Report Sections 3.17 (c) and 3.17 (d)		
(4)	Identify, below, each "last approved plan of record" identified in the permit which will be affected by the proposed modification and will therefore require amendment/revision:		
	Check here if affected	TYPE OF PLAN	DES APPROVAL DATE
	<input type="checkbox"/>	Facility design plans/specifications	
	<input type="checkbox"/>	Facility operating plan	
	<input checked="" type="checkbox"/>	Facility closure plan	3/21/1996
	<input type="checkbox"/>	Facility financial assurance plan	
	<input type="checkbox"/>	Other plan (specify):	
			WMD LOG # (Find this number on your copy of the approval)
			199600022

(5)	Submit, on separate paper, the proposed amendments/revisions for each document identified pursuant to (4) above, based on the below listed instructions. (Note: The revisions may be presented in the form of replacement pages ready for substitution into the last approved plan of record, each page being clearly marked to show the date of revision. In the event there is no last approved plan of record for any of the following, you must prepare and submit a full plan, including the proposed modification(s), in accordance with the applicable cited Rules.)
	<input type="checkbox"/> Facility design plans must be prepared in accordance with Env-Sw 1103.05.
	<input type="checkbox"/> Facility operating plans must be prepared in accordance with Env-Sw 1105.11.
	<input checked="" type="checkbox"/> Facility closure plans must be prepared in accordance with Env-Sw 1106.04.
<input type="checkbox"/> Financial assurance plans must be prepared as specified in Env-Sw 1400 and must include all related draft financial assurance documents required to effect the proposed modification.	
(6)	In order for DES to approve the proposed modification, the agency must be able to conclude from the information provided in this application that the proposed modification meets all applicable requirements of the Rules. Therefore, for any aspect of the proposed modification where it may not be self-evident that the proposed change meets all applicable requirements of the Rules, you should explicitly provide such information. Provide your response below and/or use separate paper as necessary. (Check box if response is attached on separate paper <input checked="" type="checkbox"/>)
	A Waiver Request of Env-Sw 807.05 (i) Annual Reporting Requirements, and Permit Cond.#2 is submitted concurrently for approval.

SECTION IV. SCHEDULE

Provide a proposed schedule for implementing the modification. Use separate paper if necessary. (Check box if response is attached on separate paper)

Being halfway through the proposed biennial period, the first proposed biennial reporting would be submitted in March, 2016.

SECTION V. STATEMENT OF NEED

Provide a statement of need describing why the proposed change is necessary or desirable. Use separate paper if necessary. (Check box if response is attached on separate paper)

The supporting data shows a sustained stability in the of the cap and a sustained absence of landfill gases. See attached Permit Modification.

SECTION VI. IMPACT EVALUATION

On separate paper, identify all impacts, both positive and adverse, which the proposed modification will have, including each of the below listed considerations.

- (1) The effect the modification will have on facility function, capacity, life expectancy, service type and service area.
- (2) The effect the modification will have on the environment, public health and safety.
- (3) The effect the modification will have on the state's ability to achieve the goals and objectives specified in RSA 149-M:2, namely achieving a 40% minimum weight reduction in the solid waste stream on a per capita basis by the year 2000 and avoiding the disposal of recyclable materials in a lined landfill with a leachate collection system.
- (4) The effect the modification will have on establishing and maintaining integrated waste management systems consistent with the hierarchy of waste management methods in RSA 149-M:3 [the methods, in descending order of preference as specified in RSA 149-M:3, are: source reduction; recycling and reusing; composting; waste-to-energy technologies (including incineration), incineration without resource recovery; and landfilling].
- (5) Consistency with the state solid waste management plan and the applicable district plan, pursuant to RSA 149-M:12,I(b). If necessary, contact the P&DRS at (603) 271-2925 for plan information.

SECTION VII. PUBLIC BENEFIT DEMONSTRATION

Provide a "demonstration of public benefit" based on the below listed instructions. Check which one of the listed instructions applies to your particular application.

- | | |
|-------------------------------------|---|
| <input type="checkbox"/> | For a type I-A modification of a standard permit, provide a "demonstration of public benefit" in accordance with RSA 149-M:11 and in conformance with the provisions of Env-Sw 1005.05. Prepare and submit the demonstration on separate paper. |
| <input type="checkbox"/> | For a type I-A modification of an emergency permit or a research and development permit, or a permit-by-notification, there is a presumption of public benefit, provided that the proposed modification meets all requirements of the Rules. Therefore, you may skip this section and go to Section VIII. |
| <input checked="" type="checkbox"/> | For a type I-B modification, there is a presumption of public benefit, provided that the proposed modification meets all requirements of the Rules. Therefore, you may skip this section and go to Section VIII. |

SECTION VIII. OTHER PERMITS

Complete the following table to identify and provide the status of all other permits or approvals necessary to effect the proposed modification.

Type of Permit/Approval Required	Date the Application was/will be Submitted	Status/Comments
Waiver of Env-Sw 807.05 (i) & Permit Condition #2	Concurrent with Permit Modification Request	

SECTION IX. LEGAL NOTICES

Submit proof of having provided certain legal notifications and filings, as follows:

- (1) You must send by certified mail, or deliver in hand, a complete copy of this application to the host municipality, host solid waste management district and other affected entities, with a "notice of filing," as specified by Env-Sw 303.
- (2) For a type I-A modification, you must send by certified mail, or deliver in hand, a "notice of filing" to each owner of property abutting the facility site, as specified by Env-Sw 303. If the applicant/permittee or the owner of the facility site owns any abutting parcel of land, the "notice of filing" must be sent to the owner(s) of the next parcel(s) not owned by the permittee/applicant or facility site owner.
- (3) You must also provide a "notice of filing" to the New Hampshire Department of Justice/Office of the Attorney General (NH DoJ/AGO) if, pursuant to Section X(2) of this form, you are required to submit business and personal disclosure information.
- (4) You must attach to this application "proof" that notification has been provided as required by (1) through (3) above. Therefore, attach a copy of the notice(s) of filing and the signature(s) of all required recipients, acknowledging receipt.

SECTION X. CERTIFICATION OF COMPLIANCE/COMPLIANCE REPORT

All applications for permit modification must be submitted with either certification of compliance or a compliance report, as follows:

- (1) If you are ABLE to certify that each of the statements numbered (1) - (8) below are true, do so by your signature.
- (2) If you are UNABLE to certify that each of the statements numbered (1) - (8) below are true, you must:
 - Prepare and submit a separate Compliance Report as specified by Env-Sw 303.15; and
 - If the proposed modification involves a change in organizational structure, or a change in individuals/entities holding 10% or more of the permittee's debt or equity, or a change in officers, directors, partners or key employees, none of which constitutes a change in operational control of the facility or a change in ownership per Env-Sw 315.02(f), also submit completed "business and personal disclosure forms" for each non-compliant individual and entity involved in the change. Obtain the required forms from the P&DRS at (603) 271-2925. Submit the completed forms, with the notice of filing referenced by Section IX(3) of this form and a copy of the Compliance Report, direct to the New Hampshire Department of Justice/Office of Attorney General, Environmental Protection Bureau, 33 Capitol Street, Concord, NH 03301-6397. [Note: Copies of the completed disclosure forms should NOT be attached to this application when it is submitted to DES or to the host municipality, host solid waste management district and other effected entities, pursuant to Section IX(1) above. Only the NH DoJ/AGO should receive copies of the disclosure forms].

COMPLIANCE STATEMENT

The applicant shall certify that each of the statements listed in (1)-(8) below are true for each of the following individuals and entities:

- The applicant, and
- The facility owner, and
- The facility operator, and
- All individuals and entities holding 10% or more of the applicant's debt or equity, and
- All of the applicant's officers, directors, and partners, and
- All individuals and entities having managerial, supervisory or substantial decision making authority and responsibility for the management of the facility operations or the activity(s) for which approval is being sought.

(1)	No individual or entity listed above has been convicted of or plead guilty or no contest to a felony in any state or federal court during the 5 years before the date of the application.
(2)	No individual or entity listed above has been convicted of or plead guilty or no contest to a misdemeanor for a violation of environmental statutes or rules in any state or federal court during the 5 years before the date of the application.
(3)	No individual or entity listed above has owned or operated any hazardous or solid waste facility which has been the subject of an administrative or judicial enforcement action for a violation of environmental statutes or rules during the 5 years before the date of the application.

- (4) No individual or entity listed above has been the subject of any administrative or judicial enforcement action for a violation of environmental statutes and rules during the 5 years before the date of the application;
- (5) All hazardous and solid waste facilities owned or operated in New Hampshire by any individual or entity listed above are in compliance with either.
 - (a) All applicable environmental statutes, rules, and DES permit requirements; or
 - (b) A DES approved schedule for achieving compliance therewith.
- (6) All individuals and entities listed above are in compliance with all civil and criminal penalty provisions of any outstanding consent agreement, settlement, or court order to which DES is a party.
- (7) All individuals and entities listed above have paid, or are in compliance with the payment schedule for any administrative fine assessed by DES.
- (8) All individuals and entities listed above are in compliance with all terms and conditions under every administrative order, court order or settlement agreement relating to programs implemented by DES.

Signature of the permittee/applicant certifying the above statements are true:

Permittee/Applicant Name (Print Clearly or Type) EDWARD G. THAYER

Permittee/Applicant Signature Edward G Thayer

Date 2-24-2015

SECTION XI. PERMITTEE/APPLICANT SIGNATURE REQUIREMENTS
 The permittee/applicant must sign the following statement prior to submitting this application. All copies of the application filed with DES must bear the permittee's/applicant's ORIGINAL signature. If the permittee/applicant is not an individual, an individual duly authorized by the permittee/applicant shall sign the application.

To the best of my knowledge and belief, the information and material submitted herewith is correct and complete. I understand that any approval granted by DES based on false and/or incomplete information shall be subject to revocation or suspension, and that administrative, civil or criminal penalties may also apply. I certify that this application is submitted on a complete and accurate form, as provided by DES, without alteration of the text.

Permittee/Applicant Name (Print Clearly or Type) EDWARD G. THAYER

Permittee/Applicant Signature Edward G Thayer

Date 2-24-2015



SECTION XII. PROPERTY OWNER SIGNATURE
 If the permittee and property owner are not the same, the property owner must also sign this form as follows. All copies of the application filed with DES must bear the property owner's ORIGINAL signature. If the property owner is not an individual, an individual duly authorized by the property owner shall sign the application.

- (1) I hereby affirm that the permittee/applicant has the legal right to occupy and use the property on which the subject facility is or will be located for the purposes specified in this application.
- (2) I hereby affirm that I shall grant access to the property for closure and post-closure monitoring of the subject facility and site as required by RSA 149-M and the New Hampshire Solid Waste Rules (Env-Sw 100 - 300 and Env-Sw 400 - 2000), as amended.

Property Owner Name (Print Clearly or Type) EDWARD G. THAYER

Property Owner Signature Edward G Thayer

Date 2-24-2015



MERIDIAN LAND SERVICES, INC.

CIVIL ENGINEERING | LAND SURVEYING | PERMITTING | SOIL & WETLAND MAPPING | SEPTIC DESIGN | ENVIRONMENTAL

Office: 31 Old Nashua Road, Suite 2, Amherst, NH 03031

Mailing: PO Box 118, Milford, NH 03055

Phone: 603-673-1441 • Fax 603-673-1584

www.MeridianLandServices.com

March 4, 2015

Ms. Melanie Doiron
NHDES – WMD SWMB
P.O. Box 95, 29 Hazen Drive
Concord NH 03302-0095



Re: Request for Type IB Permit Modification to Solid Waste Management Facility Permit
Town of Washington, New Hampshire
Permit # DES-SW-TP-95-021
Landfill Closure - NHDES Site Number 198806031
WMD LOG # 19960002

Dear Ms. Doiron:

The following are supplemental information sheets to accompany the attached NHDES Application Form sections noted to have responses provided on separate paper, as referenced below:

MODIFICATION SECTION III.(3) : Each written permit condition that will require amendment to effect the proposed modification and provide draft language for the same:

Permit Condition #2

The fourth sentence currently reads, "Therefore, in accordance with Env-Wm 311.07, the permittee shall prepare and submit an annual report that provides all required post-closure monitoring and maintenance data with an evaluation of that data by a qualified Professional Engineer licensed in the State of New Hampshire."

DRAFT language will only affect the fourth sentence by striking the word "annual" and adding language for biennial reporting as follows, "Therefore, in accordance with Env-Wm 311.07, the permittee shall prepare and submit a biennial report (every two years) that provides all required post-closure monitoring and maintenance data with an evaluation of that data by a qualified Professional Engineer licensed in the State of New Hampshire."

If you have any questions please do not hesitate to contact me or email me at JAHeavisides@MeridianLandServices.com.

Very truly yours,

MERIDIAN LAND SERVICES, INC.

John A. Heavisides PE
Chief of Engineering
NH License. No. 07995



cc: Mr. Edward Thayer, Town of Washington w/ attachments



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NHDES –WMD SWMB

Washington Municipal Landfill Closure – Permit #DES-SW-TP-95-021 Modification Request

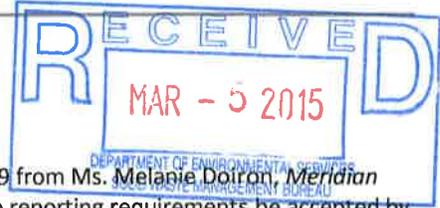
March 4, 2015

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MODIFICATION SECTION V. STATEMENT OF NEED

To Whom It May Concern:

On behalf of the Town of Washington, and pursuant to the letter dated April 6, 2009 from Ms. Melanie Doiron, Meridian Land Services, Inc. is requesting that the following modifications to the Post-Closure reporting requirements be accepted by NHDES:



1. Post-closure inspection reporting every second year (biennially), modifying **Permit Condition #2** and **Closure Report Section 3.17 (d)**
2. Landfill gas monitoring every second year (biennially), clarifying **Closure Report Section 3.17 (c)**

Associated with these requests is a separate Waiver Request of Env-Sw 807.05(i) Annual Reporting Requirements to allow for biennial reporting or reporting every two (2) years.

These changes in reporting and monitoring are being requested due to the stability of conditions at the landfill that have been recorded over the last several years, indicating that such changes would not result in detriment to the public health, safety and welfare. These changes would also allow the Town to reduce its burden on taxpayers for monitoring and reporting activities as well.

Methane levels have been at 0% of the lower explosive limit (lel) at all monitoring locations for at least since 2010 (see attached Table A). The nearest building is a garage approximately 200 feet east-northeast across Route 31, and the next nearest building is approximately 1,700 feet east-southeast (see Figure A).

The cap no longer requires settlement monitoring and has not shown signs of damage or erosion. Under the recently updated Groundwater Permit (GWP-198806031-W-004), pollutant levels have come down since closure and are stable enough to only require annual groundwater sampling and biennial Groundwater Monitoring Reports.

Regular semi-annual inspections of this closed landfill shall continue according to Closure Report Section 3.17 (b), and any sudden changes in the stability of the closure shall be reported to NHDES immediately according to Closure Report Section 3.17 (e). All other Permit Conditions not noted hereon to be modified will remain in force as currently approved.

MODIFICATION SECTION VI. IMPACT EVALUATION

- (1) The modification will not affect facility function, capacity, life expectancy, service type or service area.
- (2) The modification will not affect the environment, public health or public safety.
- (3) The modification has no impact on the state's ability to achieve the goals and objectives specified in RSA 149-M:2.
- (4) The modification has no impact on establishing and maintaining integrated waste management systems consistent with the hierarchy of waste management methods in RSA 149-M:3.
- (5) The modification is not inconsistent with the state solid waste management plan pursuant to RSA 149-M:12, I(b).
- (6) The modification saves the Town taxpayer dollars.



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Washington Municipal Landfill Closure – Permit #DES-SW-TP-95-021 Modification Request

March 4, 2015

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**TOWN OF WASHINGTON, NEW HAMPSHIRE - LANDFILL
GAS MONITORING DATA**

NHDES No. 198806031

GWP NO. - 198806031 - W - 004

January 30, 2014

GAS MONITORING DATA TABLE A

DATE OF SAMPLING	MONITORING WELL NAME	METHANE %LEL	O2%
May 5, 2010	GP-1	0.0	18.30
	GP-2	0.0	16.40
	GP-3	0.0	15.80
	GV-1	0.0	17.20
	GV-2	0.0	17.80
September 21, 2010	GP-1	0.0	17.30
	GP-2	0.0	17.40
	GP-3	0.0	14.80
	GV-1	0.0	18.20
	GV-2	0.0	17.60
May 12, 2011	GP-1	0.0	16.50
	GP-2	0.0	15.30
	GP-3	0.0	16.20
	GV-1	0.0	17.80
	GV-2	0.0	16.30
September 14, 2011	GP-1	0.0	16.70
	GP-2	0.0	18.10
	GP-3	0.0	17.20
	GV-1	0.0	16.30
	GV-2	0.0	14.10
June 18, 2012	GP-1	0.0	14.60
	GP-2	0.0	17.30
	GP-3	0.0	18.00
	GV-1	0.0	14.40
	GV-2	0.0	14.60
September 20, 2012	GP-1	0.0	15.80
	GP-2	0.0	17.60
	GP-3	0.0	14.80
	GV-1	0.0	17.50
	GV-2	0.0	16.20





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Washington Municipal Landfill Closure – Permit #DES-SW-TP-95-021 Modification Request

March 4, 2015

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FIGURE #A
LOCUS PLAN
TOWN OF WASHINGTON LANDFILL
NHDES SITE# 198806031
WASHINGTON, NEW HAMPSHIRE



NOT TO SCALE

MERIDIAN LAND SERVICES, INC.
PO Box 118, MILFORD, NEW HAMPSHIRE 03055-0118
(603) 673-1441 FAX (603) 673-1584

January 31, 2013
Jn. 8010.00