RELEASE ABATEMENT MEASURE

STATUS REPORT

51 COMMERCIAL STREET MALDEN, MASSACHUSETTS

RELEASE TRACKING NUMBER 3-0362 June 2008

Prepared For:

nationalgrid

National Grid 25 Research Drive Westborough, MA 01582

Prepared By:



Innovative Engineering Solutions, Inc. 25 Spring Street Walpole, Massachusetts 02081 (508) 668-0033

RELEASE ABATEMENT MEASURE STATUS REPORT 51 COMMERCIAL STREET MALDEN, MASSACHUSETTS

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Michael Lotti, L.S.P. Project Manager and LSP of Record License Number 4208 Joseph E. Higgins, P.E., L.S.P. Project Reviewer

Release Abatement Measure Status Report 51 Commercial Street Malden, Massachusetts 02148 DEP Release Tracking Number: 3-0362

This Release Abatement Measure (RAM) Status Report has been prepared by Innovative Engineering Solutions, Inc. (IESI) on behalf of Massachusetts Electric Company d/b/a National Grid (National Grid) in accordance with the requirements of the Massachusetts Contingency Plan (MCP) (310 CMR 40.0000). This RAM is being conducted in accordance with the RAM Plan that was submitted to the Massachusetts Department of Environmental Protection (DEP) on August 9, 2007. The RAM is being conducted at the 51 Commercial Street and 100 Commercial Street portions of the former Malden manufactured gas plant (MGP) site (the "Site") located near the intersection of Commercial and Charles Streets in Malden, Massachusetts (hereinafter referred to as the RAM Areas). The DEP assigned Release Tracking Number (RTN) 3-0362 to the Malden MGP Site. Figure 1 depicts the site locus and Figure 2 depicts the location of the RAM Areas in relation to the disposal site boundary of the former MGP.

The objectives of this RAM are to accomplish the following:

- 1. Install, start up, and conduct operation, maintenance, and monitoring (OMM) activities for a non-aqueous phase liquid (NAPL) recovery system at 51 Commercial Street.
- 2. Install a barrier beneath the proposed building at 51 Commercial Street.
- 3. Manage remediation waste generated during floor and foundation removal from the prior structure at 51 Commercial Street, construction of the new building foundation and Engineered Barrier under the foundation at 51 Commercial Street, and construction and operation of the NAPL recovery systems.
- 4. Restore, restart, and conduct OMM activities on an existing NAPL recovery system at 100 Commercial Street.

This report describes activities conducted between December 1, 2007 and May 31, 2008. As such, the content of this report has been structured to address the specific information requirements set forth in 310 CMR 40.0445 (2)(a) through (e). The RAM Status Report is presented below. The original RAM Transmittal Form (BWSC-106) was submitted electronically via eDEP and a copy of the RAM Transmittal Form is included in Appendix A.

310 CMR 40.0445 (2)(a) The status of response operations:

During this reporting period, the activities have included continued NAPL system construction, site construction, and barrier installation at the 51 Commercial Street property; additional information regarding the status of these activities is presented below. The 100 Commercial Street NAPL recovery system has not yet been restarted.

NAPL System Construction

The NAPL system construction activities at the 51 Commercial Street property have included the construction of the equipment shed on site and completion of the extraction well vaults. No additional excavation or soil handling was necessary for these activities. Construction of the equipment shed structure is complete, and IESI is continuing to install the equipment inside the shed and extraction wells.

Site Construction

Site construction activities continued at 51 Commercial Street with construction of the bank building structure, (which started with driving foundation piles in December 2007, excavation of the building footprint to 7 feet below grade, and installation of the vapor/engineered barrier as further described below), final utility work, and final site grading. Subsurface construction activities are nearly complete and the final landscaping was underway. IESI personnel were periodically on-site during this reporting period to observe the subsurface construction activities

that involved the handling of soil from the subsurface and to implement the air monitoring plan presented in the RAM Plan and in accordance with the Site Specific Health and Safety Plan. The air monitoring data are discussed in later sections of this report. Excess soil that was generated from the excavations was stockpiled on-site on and covered with polyethylene sheeting pending off-site disposal. Appendix B present the field notes for the site construction activities. Photographs of the site activities are presented in Appendix C.

Barrier Installation

The August 2007 RAM Plan and the December 2007 RAM Modification included details for the installation of a cap beneath the building being constructed. Note that in the RAM Plan, the cap was referred to an "engineered barrier". As stated in the December 2007 RAM Modification, it is National Grid's intent to have the cap installed in such a manner that it would meet the requirements of an engineered barrier. This cap will not formally be considered an "engineered barrier" at this time; however, in the event that in the future the proposed remedial response actions at the property achieve a permanent solution (with the exception of addressing soils containing oil or hazardous materials at concentrations exceeding Upper Concentration Limits, UCLs) it may be desired to have the cap designated as an "engineered barrier" installed in accordance with 310 CMR 40.0996 (4).

In December 2007, the site construction contractor installed 54 wooden piles (8-inch diameter, driven up to 27 feet into the subsurface) as part of the foundation for the new building. Once the piles were installed, the building footprint and five feet beyond the building footprint were excavated to a depth of about 7 feet below the finished floor elevation of the building to facilitate the installation of the building foundation. Prior to installing the concrete pile caps on top of the driven piles, a gas vent layer was installed as follows: the bottom of the excavation was covered with an 8-ounce non-woven geotextile; a 4-inch layer of peastone was placed on top of the geotextile; three lengths of 4-inch diameter perforated PVC pipe were placed roughly 20 feet apart in the peastone in an approximate east-west orientation, plumbed together and extended to the equipment shed in the southwest corner of the site and capped. A four-inch layer of concrete (i.e., commonly referred to as a "mud mat") was then poured on top of the peastone. This layer provided a stable work surface and eliminated any building construction worker exposure to the contaminated soil present at depth. Figure 4 provides additional detail of the components of the barrier that were constructed as the foundation was built.

A second gas venting layer was installed as a conservative measure after construction of the concrete pile caps and the concrete grade beams (which divide the building footprint into three areas). As each area was backfilled, the second gas vent layer was installed and consists of a 6-inch layer of ³/₄-inch crushed stone with 4-inch perforated PVC pipe embedded in the crushed stone layer. One length of 4-inch diameter perforated PVC pipe was placed in each of the three areas of the foundation system in an approximate east-west orientation. The three pipes were plumbed together outside of the foundation and extended to the equipment shed and capped. A layer of 8-ounce non-woven geotextile was placed on top of the crushed stone. A 20 millimeter (mil) thick linear low density polyethylene (LLDPE) liner was then installed on top of the geotextile. Photographs of the construction of the barrier layers and general site work are included as Appendix C.

310 CMR 40.0445 (2)(b) Any significant new site information or data:

Significant new site information and data only includes the results of air monitoring and the data is presented below.

Air Monitoring

The air monitoring program as detailed in the RAM Plan and Health and Safety Plan was conducted in December 2007 during the building footprint soil removal activities. Ambient air quality was monitored continuously at two locations (i.e., stations) for particulates (i.e., dust) and VOCs using stationary meters mounted inside contained housings on tripods. Each station contained meters for measurements of particulates and VOCs and data loggers

that provided a continuous electronic record of the measurements. The particulate concentrations were monitored using a particulate meter (e.g., TS DustTrak Aerosol Monitor) that is capable of measuring particulate matter less than or equal to 10 micrometers in size (PM_{10}). VOCs were monitored using a photoionization detector (PID). The meters were set to record the average concentration over a 5 minute interval.

Each day the prevailing wind direction was estimated and one monitoring station (identified as the "Upwind" station) was located at the upwind perimeter of the property and was used to monitor background concentrations of dust and VOC entering the work area. A second monitoring station (identified as the "Downwind" station) was established at the downwind perimeter of the work along the property edge. A hand held PID and dust meter were also used at the work area to monitor the breathing zone and ambient air in the work zone. In addition, during every 30 to 60 minutes of intrusive subsurface work, soil loading, or stockpiling, IESI personnel recorded the average hand-held meter response for both VOC and dust along the perimeter of the property.

During the field events observed by IESI in January, February, and March 2008, IESI decided to not set up the perimeter monitoring stations. Given the short duration of each field event, the relatively low levels of contamination in the remaining surficial soils that were being handled, and the limited scope of work for each of these events, the perimeter stations were deemed unnecessary. The breathing zone and ambient air in the work zone were monitored with handheld instruments (PID and dust meter). IESI personnel also recorded the hand-held meter response (PID and dust meter) along the perimeter of the property every 30 to 60 minutes during intrusive subsurface work, soil loading, or stockpiling.

The site specific Health and Safety Plan developed by IESI included the following site specific action levels and corrective measures for dust and VOC:

- $100 \text{ ug/m}^3 \text{ PM}_{10}$ as measured over a 15-minute average: dust control required
- $150 \text{ ug/m}^3 \text{ PM}_{10}$ as measured over a 15-minute average: stop work, evaluate field conditions
- 4 ppm VOC as measured over a 15-minute average: stop work, continue monitoring, if levels go down, identify source of vapors and abate if feasible (e.g., foam, mist, cover work area)
- 25 ppm VOC as measured over a 15-minute average: stop work and control vapors. Resume only when work area is less than 4 ppm and source of vapors identified and control measures in place.

The Environmental Protection Agency (EPA) Office of Air Quality Planning and Standards (OAQPS) has set National Ambient Air Quality Standards for PM_{10} of 150 ug/m³ over a 24 hour averaging period. Our site specific PM_{10} action levels are based on a shorter averaging period (i.e., 15 minutes) to conservatively account for the potential for dust to contain site contaminants and to be protective of off-site receptors. Also, our site-specific VOC action levels are lower than the Permissible Exposure Limits (PELs) and Short-Term Exposure Limits (STELs) established by the United States Department of Labor Occupational Safety & Health Administration (OSHA) in order provide a conservative level of protection for workers and off-site receptors.

The data recorded on the data loggers and collected during the perimeter monitoring conducted in December 2007 are summarized in Appendix B. The data recorded with the hand-held instruments is recorded on the field notes included as Appendix B. Please note that the field technicians only recorded action level exceedences for VOCs and dust when using the hand-held monitoring within the work zone. During this reporting period, there were no action level exceedences for VOC or dust as measured by the hand-held meters at the work area.

As shown in the data in Appendix E, the 15-minute average action levels for dust was exceeded at both perimeter stations on December 19. The IESI field technician noticed this trend during a routine instrument check and compared the data to the handheld monitoring. When the data on the data logger was found to not correlate with the data from the hand held monitor and was not explained by the site activities being conducted at the time of the

exceedances (i.e., extensive soil handling activities were not occurring at the time), the technician recalibrated the two instruments and detections above the action levels were not observed for the remainder of the day.

Given the low PM_{10} concentrations that were recorded during the construction activities and the immediate employment of dust suppression techniques whenever dust was observed, it is not likely that off-site receptors were exposed to any excessive levels of dust from the construction activities conducted during this reporting period.

310 CMR 40.0445 (2)(c)Details of and/or plans for the management of Remediation Waste, Remedial
Wastewater, and/or Remedial Additives:

As indicated in the RAM Plan, we anticipated that up to 1,500 cubic yards of soil would be excavated for the RAM, and that this material would be managed in accordance with the provisions of 310 CMR 40.0030. As reported in the December 2007 RAM Status Report, between October 31, 2007 and November 21, 2007, 899.71 tons (roughly 530 cubic yards) of soil were transported under a Bill of Lading to Environmental Soil Management, Inc. of New Hampshire (ESMI) in Loudon, New Hampshire for recycling by thermal desorption. Additional remediation waste (i.e., soil) was generated as the construction project progressed this period. Between December 17, 2007 and March 20, 2008, 1,440.28 tons (roughly 900 cubic yards) of soil were transported under a Bill of Lading to ESMI for recycling by thermal desorption. The total amount of soil removed from the 51 Commercial Street property as part of this RAM is 2,339.99 tons (roughly 1400 cubic yards). Note that the soil pre-characterization work conducted in 2007 allowed for a total of up to 2400 tons of soil from the site to be sent to the ESMI's facility. Copies of the completed Bills of Lading submitted to the DEP are included as Appendix D.

310 CMR 40.0445 (2)(d) Any other information that the Department during its review and evaluation of a Status Report determines to be necessary to complete said Status Report, in view of site specific circumstances and conditions; and:

The DEP has not required additional information, and the DEP did not impose any conditions on the right to conduct the RAM.

310 CMR 40.0445 (2)(e) An LSP Opinion as to whether the Release Abatement Measure is being conducted in conformance with the RAM Plan and any conditions of approval established by the Department.

Having reviewed the requirements of the RAM Plan and the response actions completed to date, we are of the opinion that the RAM is being conducted in accordance with the RAM Plan.

If you require additional information or have any questions regarding this status report, please contact Michael S. Lotti, LSP of IESI at (508) 668-0033 (x 231).

FIGURES









APPENDIX A

COPY OF RELEASE ABATEMENT MEASURE (RAM) TRANSMITTAL FORM (BWSC-106)

APPENDIX B

CONSTRUCTION FIELD NOTES AND AIR MONITORING DATA

Project :	Malden MGP – Construction	Activity:	Construction Oversight			
Client : Contractor:	National Grid T. Ford	Page: IESI Proj. No.	1 of 11 NG/Malden			
3/20/08 Thursday IESI Personnel: D Rolls						

- 700 On site
- 715 Truck on site and loaded approx 18 yds 24 tons.
- 745 Second truck on site and loaded approx. 18 yds 24 tons
- 800 Spoke with John Davie from Davie and Sons about electrical work in our building. He will be on site at 10:00 am.
- 1000 Met with John Davies about elec hook-up. Called Dave F. w/ questions. He will send out bid. T Ford relocated elec and phone conduits to front of the building.
- 1145 Third truck on site for the last amount of soil.
- 1230 IES off site to return rental equipment.

Worksite			Pe	rimeter
Time	VOC ppm	Dust mg/m3	VOC ppm	Dust mg/m3
730	0	0.012	0	0
830	0	0	0	0
930	0	0.018	0	0
1030	0	0.012	0	0
1130	0	0.001	0	0



3/19/08 Wednesday				
Client : Contractor:	National Grid T. Ford	Page: 2 of 1 IESI Proj. No. NG/M		alden
Project :	Malden MGP – Construction	Activity:	Construction	

IESI Personnel: D Rolls

715	On site, TFord Crew on site
730	Began digging at landscape area locations behind the equipment storage trailer. Truck arrived and loaded 18 yds - 24 tons of soil. Continued to grade area with stone dust.
930	T Ford began placing cast iron rings with covers over the recovery well vaults
1050	Third truck on site loading soil 18 yds - 24 tons.
1130	Reorganized soil piles with machine. T Ford grading landscape areas with stone dust.

1200 Another truck loaded 18 yds. - 24 tons approx.

- Repositioned soil pile. About 3 loads left for tomorrow. Future landscape areas was dug out to 2 feet behind the soil pile by the back retaining wall towards 1300 the construction trailer.
- 1445 IES off site.

Worksite			P	erimeter
Time	VOC ppm	Dust mg/m3	VOC ppm	Dust mg/m3
730	0	0.014	0	0
830	0	0.014	0	0
930	0	0.012	0	0
1030	0	0.011	0	0
1130	0	0.029	0	0
1230	0	0.019	0	0
13330	0	0.017	0	0



Activity: Construction Oversight Page: 3 of 11 IESI Proj. No. NG/Malden

Client :National GridContractor:T. Ford

3/18/08 Tuesday

IESI Personnel: R Eby

- 700 T. Ford installs sleeve for gas line and backfills excavation
- 815 Continue excavation for landscape area along Centre Street side of site. (Excavation and soil stockpile 0 ppm)
- 915 Place geotextile fabric and backfill stone dust in excavation.
- 1000 Resume excavation of planting area along Centre Street side of property. T. Ford also loading truck with asphalt and concrete debris.
- 1030 Discontinue excavation (refueling etc.).
- 1100 Continue excavation of landscape areas around corner of property and along Commercial Street side of property.
- 1200 Site activities shut down for lunch.
- 1230 Continue excavation of landscape areas along Commercial Street side of property.
- 1330 Additional excavation of landscape areas along Centre Street side of site. T Ford loading truck with asphalt debris.
- 1400 Excavate trench and lay conduit for lamp poles. (Excavation and soil stockpile 0 ppm).
- 1500 Backfill conduit trench.
- 1515 RE off site.

	Worksite		Perimeter	
Time	VOC ppm	Dust mg/m3	VOC ppm	Dust mg/m3
730	0	0	0	0
800	0	0	0	0
900	0	0	0	0
1000	0	0	0	0
1115	0	0	0	0
1200	0	0	0	0
1245	0	0.012	0	0
1330	0.2	0	0	0
1400	0	0	0	0
1430	0	0	0	0
1500	0	0	0	0



Project :	Malden MGP – Construc	tion
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Activity: Construction Oversight Page: IESI Proj. No. 4 of 11 NG/Malden

Client : National Grid Contractor: T. Ford

3/17/08 Monday IESI Personnel: D Rolls

700	On site . Met w/ T Ford - Wayne, Ron and Jack
715	Walked over areas that will be excavated and what the procedures will be.
730	T Ford began moving construction debris out of the work areas.
900	T Ford brought in flat bed and removed 3 power poles and the excavator bucket.
945	Continuing to clean up site. No trenching has been done at this time.
1000	Began removing asphalt from the area next to shed.
1030	Began moving existing soil pile @fence line about 15 yds of soil.
1100	Excavated approx 15' of the future landscape bed area
1300	Began trenching for installation of the gas line. Began at fence line by Commercial St.
1445	Finished trenching to back corner of building. They will install gas line sleeve tomorrow.

1500 IES off site

	Worksite		Per	imeter
Time	VOC ppm	Dust mg/m3	VOC ppm	Dust mg/m3
1000	0	0.024	0	0
1100	0	0.019	0	0
1300	0	0	0	0
1400	0	0.013	0	0
1500	0	0.029	0	0



Project :	Malden MGP – Construction	Activity:	Construction Oversight
Client :	National Grid	Page:	5 of 11
Contractor:	T. Ford	IESI Proj. No.	NG/Malden

2/14/08 Thursday

IESI Personnel: D Rolls

700	Excavation for final sewer connection begins by the fence area / sidewalk where original sewer connection was made a few months ago. Checked soil that was taken out of pit. 0
	ppm.

- 800 Excavating continues to locate the original sewer line. No sign of contamination.
- 1000 Connected 6" sewer line to a 4" line coming from the concrete slab at the building location.
- 1030 Backfilling new 6" sewer pipe.
- 1100 Begin trenching for new water line connection.
- 1200 Site activities shut down for lunch.
- 1245 Continued excavating for water line work.
- 1300 Began connecting water line 1" copper from back building corner by Centre Street side.
- 1345 Began survey of new water line with GPS.
- 1430 Began backfilling water line.
- 1450 Began grading in water line trench area with front end loader.
- 1515 DR off site.

	W	orksite	Pe	erimeter
Time	VOC ppm	Dust mg/m3	VOC ppm	Dust mg/m3
700	0	0.031	0	0.028
800	0	0.033	0	0.025
900	0	0.033	0	0.024
1000	0	0.01	0	0.009
1030	0	0.032	0	0.027
1100	0	0.022	0	0.021
1200	0	No activity	0	No activity
1300	0	0.023	0	0.018
1400	0	0.021	0	0.018
1430	0	0.035	0	0.022
1500	0	0.027	0	0.017



Project :	Malden MGP – Construction	Activity:	Construction Oversight
Client : Contractor:	National Grid T. Ford	Page: IESI Proj. No.	6 of 11 NG/Malden

1/28/08 Monday IESI Personnel: D Rolls

IES on-site. 7	Ford on-site to load	soil for transport
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- 615 to ESMI of NH Weather: 30 degrees, clear
- 850 secured digging, awaiting dumptruck
- commenced loading dumptruck 1000
- 1020 secured loading dumptruck
- commenced loading dumptruck 1350
- secured loading dumptruck 1410
- 1430 secured worksite.

	worl	ksite	perimeter		
	VOC	Dust	VOC	Dust	
645	0	0.017	0	0.028	
715	0	0.018	0	0.035	
745	0	0.022	0	0.02	
815	0	0.013	0	0.049	
845	0	0.01	0	0.028	
1000	0	0.015	0	0.013	
1015	0	0.013	0	0.015	
1400	0	0.01	0	0.013	



Activity:Construction
OversightPage:7 of 11
NG/Malden

Client : National Grid Contractor: T. Ford

12/21/07 Friday

IESI Personnel: D Jones

0630 IES on-site. T Ford on-site, 6 person crew. Weather: 25 degrees, snow flurries, light wind.

Continued hauling soil away with 40 ton trucks. Total of 7 loads of 40 tons. The last two loads were not full due to the end of digging and minimum load requirements. Excavation will be completed soon.

Changed battery in perimeter dust monitor. Battery was low. Excavation is near complete, last trucks off site soon. No readings above action levels in 0835 work area or excavation with PID and Dust monitors

0920 Secured work and monitoring. No Alarms or limits were exceeded.



AIR MONITORING SHEET

Client: Massachusetts Electric Company

Project: 51 Commercial Street

21-Dec-07

Weather: 25 deg., snow flurries, light wind

Action Level: 0.10 mg/m³ above Upwind; VOCs: 5 ppm

Notes:

LOCATION: Up Wind					LOCATION: Down Wind			Handheld Perimeter Monitoring	
Meter: M (for	Meter: Mini-RAE 7600 (for volatiles) Meter: TSI DustTRAK Aerosol (for dust) Meter: Mini-RAE 7600 (for volatiles) Meter: TSI DustTRAK Aerosol (for dust) (for dust)		Meter: Mini- RAE 7600 (for volatiles)	Meter: Personal Data RAM (PDR1000AN) (for dust)					
Time	Concentration (ppm)	Time	Concentration (mg/m ³)	Time	Concentration (ppm)	Time	Concentration (mg/m ³)	Concentration (ppm)	Concentration (mg/m ³)
6:53	0	06:51:03	0.016			06:50:20	0.008		
7:08	0	07:06:03	0.005			07:05:20	0	0	0
7:23	0	07:21:03	0.001	7:15	0	07:20:20	0.001		
7:38	0	07:36:03	0.002	7:30	0	07:35:20	0.001	0	0.01
7:53	0	07:51:03	0.003	7:45	0	07:50:20	0.001		
8:08	0	08:06:03	0.004	8:00	0	08:05:20	0.001	0	0.013
8:23	0	08:21:03	0.003	8:15	0	08:20:20	0		
8:38	0	08:36:03	0.003	8:30	0	08:35:20	0.001	0	0.034
8:53	0	08:51:03	0.003	8:45	0	08:50:20	0.001		
9:08	0	09:06:03	0.003	9:00	0	09:05:20	0	0	0.021
9:23	0	09:21:03	0.002	9:15	0	09:20:20	0.001		
9:38	0	09:36:03	0.002	9:30	0	09:35:20	0		
		09:51:03	0.001			09:50:20	0		



Project :	Malden MGP – Construction	Activity:	Construction Oversight
Client : Contractor:	National Grid T. Ford	Page: IESI Proj. No.	8 of 11 NG/Malden

12/20/07 Thursday

IESI Personnel: D Jones

0645 IES on-site. TFord on-site, 4 person crew. Weather: 28 degrees, rain/snow, light wind.

Commenced hauling soil away with 20 ton and 40 ton trucks. Total of 1 loads of 20 tons and 2 loads of 40 tons.

Commenced expanding pit. Only small area left to dig.

- 0740 Changed battery in upwind dust monitored. Battery was low.
- 0840 T Ford advised that no more trucks would be coming b/c of weather. No more excavation b/c of lack of room on site for stock piles. IESI secured work and monitoring. No Alarms or limits were exceeded. IESI Off-site (to 100 Commercial)

		Perimeter	E	xcavation
	VOC ppm	Dust mg/m ³	VOC ppm	Dust mg/m ³
0700	0	0.008	0	0.004
0730	0	0.011	0	0.016
0800	0	0.019	0	0.02
0830	0	0.023	#	#

= Readings not taken in excavation b/c of active digging



				AIR MON	ITORING SHE	ET			
Client: Mas	ssachusetts Elect	ric Company	1						
Project: 51	Commercial Stre	et							
20-Dec-07									
Weather: 28	degrees, rain/sr	now, light wi	nd.						
Action Leve	el: $0.10 \text{ mg/m}^3 \text{ a}$	bove Upwin	d; VOCs: 5 ppm						
Notes:		1	/ 11						
	LOCATIO	N: Up Wind			LOCATION	Down Win	d	Handheld Perir	neter Monitoring
Meter: M (for	ini-RAE 7600 volatiles)	Meter: TS A (fo	SI DustTRAK erosol or dust)	Meter: M (for	ini-RAE 7600 volatiles)	Meter: TS A (fo	SI DustTRAK erosol pr dust)	Meter: Mini- RAE 7600 (for volatiles)	Meter: Personal Data RAM (PDR1000AN) (for dust)
Time	Concentration (ppm)	Time	Concentration (mg/m ³)	Time	Concentration (ppm)	Time	Concentration (mg/m ³)	Concentration (ppm)	Concentration (mg/m ³)
6:59	0			6:53	0	06:54:22	0.001	0	0.008
7:14	0			7:08	0	07:09:22	0.001		
7:29	0			7:23	0	07:24:22	0.001	0	0.011
7:44	0			7:38	0	07:39:22	0.005		
7:59	0	07:52:00	0.018	7:53	0	07:54:22	0.002	0	0.019
8:14	0	08:07:00	0	8:08	0	08:09:22	0.002		
8:29	0	08:22:00	0	8:23	0	08:24:22	0	0	0.023
8:44	0	08:37:00	0	8:38	0	08:39:22	0.005		
		08:52:00	0			08:54:22	0		



Project :	Malden MGP – Construction	Activity:	Construction Oversight	
Client : Contractor:	National Grid T. Ford	Page: IESI Proj. No.	9 of 11 NG/Malden	
				-

12/19/07 Wednesday

IESI Personnel: D Jones

- 0630 IESI on-site. T Ford on-site, 4 person crew. Weather: 11 degrees, overcast, light wind. Tailgate topic slips trips and falls, lots of obstructions in excavation area, use caution
- 0630 Commenced hauling soil away with 20 ton and 35 ton trucks. Total of 2 loads of 20 tons and 10 loads of 35 tons.
- 0700 Continued expanding foundation excavation.
- 0930 Concrete truck on site, pouring concrete on the pea gravel layer for SSDS.
- 1020 Performed Cyanide and Benzene Draeger tube tests in excavation pit area where digging. No detectable concentration of either compound noted.

Recalibrated dust meters, noted drift in readings w/o any activities on site. 1100 Meters all set after calibration.

Secured work site and monitoring equipment. No Alarms or limits were exceeded during course of day.

	Per	imeter Check	Excavation Check		
	VOC ppm	Dust (mg/m ³)	VOC ppm	Dust (mg/m ³)	
0700	0	0.038	#	#	
0730	0	0.049	#	#	
0800	0	0.03	0	0.047	
0830	0	0.051	0	0.05	
0900	0	0.033	0	0.052	
0930	0	0.038	#	#	
1000	0	0.043	#	#	
1030	0	0.067	0	0.054	
1100	0	0.011	0	0	
1130	0	0.003	0	0.002	
1200	0	0.002	0	0	
1230	0	0	0	0	
1300	0	0	0	0.003	
1330	0	0	0	0.011	
1400	0	0	0	0.005	
1430	0	0	#	#	

= Readings not taken in excavation b/c of active digging



AIR MONITORING SHEET									
Client: Mas	sachusetts Electr	ric Company							
Project: 51 C	Commercial Stree	et							
19-Dec-07									
Weather: Ov	vercast, light win	d 11 to 30 de	egrees						
Action Leve	$1: 0.10 \text{ mg/m}^3$ at	ove Unwind	· VOCs: 5 ppm						
Notosi	1. 0.10 mg/m at	ove opwind	, v ocs. 5 ppm						
notes.				1				1	
LOCATION: Up Wind LOCATION: Down Wind Handheld Perimeter Monitorin									meter Monitoring
Meter: Mini-RAE 7600 (for volatiles) Meter: T A (for volatiles)		SI DustTRAK erosol or dust)	Meter: Mini-RAE 7600 (for volatiles)		Meter: 7	TSI DustTRAK Aerosol for dust)	Meter: Mini- RAE 7600 (for volatiles)	Meter: Personal Data RAM (PDR1000AN) (for dust)	
	Concentration		Concentration		Concentration		Concentration	Concentration	Concentration
Time	(ppm)	Time	(mg/m^3)	Time	(ppm)	Time	(mg/m^3)	(ppm)	(mg/m^3)
	(11)		(iiig/iii)		(11)		(iiig/iii)	(11)	(1119/111)
6:49	0	06:47:13	0.054	6:45	0	06:48:44	0.043		
7:04	0	07:02:13	0.109	7:00	0	07:03:44	0.053	0	0.038
7:19	0	07:17:13	0.081	7:15	0	07:18:44	0.087	0	0.040
7.34	0	07.32.13	0.041	7.30	0	07.33.44	0.096	0	0.049
7.49	0	07.47.13	0.135	7.45	0	07.40.44	0.34	0	0.02
8.04	0	00.02.13	0.037	8:15	0	08.03.44	0.123	0	0.03
8.34	0	00.17.13	0.31	8.30	0	00.10.44	0.00	0	0.051
8.49	0	08:47:13	0.211	8:45	0	08:48:44	0.070	0	0.031
9.04	0	00.47.13	0.113	9.00	0	00.40.44	0.00	0	0.033
9.19	0	09.17.13	0.037	9:15	0	09.18.44	0.039	0	0.000
9:34	0	09:32:13	0.073	9:30	0	09:33:44	0.037	0	0.038
9:49	0	09:47:13	0.054	9:45	0	09:48:44	0.046		0.000
10:04	0	10:02:13	0.105	10:00	0	10:03:44	0.051	0	0.043
10:19	0	10:17:13	0.107	10:15	0	10:18:44	0.063	-	
10:34	0	10:32:13	0.11	10:30	0	10:33:44	0.056	0	0.067
10:49	0	10:47:13	0.111	10:45	0	10:48:44	0.065		
11:04	0	Recalibrate	ed meter	11:00	0	Recalibrated meter		0	*0.011
11:19	0	11:23:43	0	11:15	0	11:20:23	0.002		
11:34	0	11:38:43	0	11:30	0	11:35:23	0.002	0	0.003
11:49	0	11:53:43	0	11:45	0	11:50:23	0		
12:04	0	12:08:43	0	12:00	0	12:05:23	0.001	0	0.002
12:19	0	12:23:43	0	12:15	0	12:20:23	0		
12:34	0	12:38:43	0	12:30	0	12:35:23	0	0	0
12:49	0	12:53:43	0	12:45	0	12:50:23	0	-	
13:04	0	13:08:43	0	13:00	0	13:05:23	0.002	0	0
13:19	0	13:23:43	0	13:15	0	13:20:23	0.003		
13:34	0	13:38:43	0	13:30	0	13:35:23	0.003	U	U
13:49	0	13:53:43	0	13:45	0	13:50:23	0.001	0	0
14.04	0	14.00.43	0	14.00	0	14.00.23	0.01	U	U
14.19	0	14.23.43	0	14.10	0	14.20.23	0.01	0	0
14.04	0	17.00.70	0	17.30	0	17.00.20	0	0	5



Project :	Malden MGP – Construction	Activity:	Construction Oversight
Client :	National Grid	Page:	10 of 11
Contractor:	T. Ford	IESI Proj. No.	NG/Malden

12/18/07 Tuesday

IESI Personnel: D Jones

- ⁰⁶³⁰ IES on-site. T Ford on-site, 4 person crew. Weather: 15 degrees, sun, light wind. Completed tailgate meeting went over air monitoring tasks for day.
- 0645 Commenced hauling soil away with 20 ton and 40 ton trucks. Total of 4 loads of 20 tons and 9 loads of 40 tons.
- 0800 Commenced expanding pit. (Note that Perimeter Station 1-upwind had PID readings all day, checked with hand held and result was 0.0. The readings are considered background and likely due to weak battery and cold weather. Perimeter Station 2 did experience PID drift later in day) Hand warmers in Stations may be helping.
- 0845 While expanding pit toward the train tracks, shovel damaged two 1" PVC conduits for recovery well. The conduit was pulled out some and needs to be investigated where they were pulled from. (easy fix)
- 1000 Commence pouring concrete mud mat on first layer of Sub Slab System in corner of site. Mud mat will be poured in sections. Geotextile and peastone layer w/ 2-inch PVC pipe placed beneath
- 1240 Sampled air in pit. VOC= 0 and Dust is 0.003 mg/m3. Blue soil observed.
- 1540 Secured site and broke down monitoring equipment. No Alarms or limits were exceeded at any time today.



AIR MONITORING SHEET									
Client: Massachusetts Electric Company									
Project: 51 Commercial Street									
18-Dec-07									
Weather: 15	degress, sunny, li	ight wind							
Action Level: 0.10 mg/m ² above Upwind; VOCs: 5 ppm									
Notes:									
LOCATION: Up Wind LOCATION: Down Wind Handheld Perimeter Monitoring									
Meter: Mini-RAE 7600 (for volatiles) Meter: TSI DustTRAK Aerosol (for dust)		Meter: Mini-RAE 7600 (for volatiles)		Meter: T A (f	SI DustTRAK Aerosol or dust)	Meter: Mini- RAE 7600 (for volatiles)	Meter: Personal Data RAM (PDR1000AN) (for dust)		
Time	Concentration (ppm)	Time	Concentration (mg/m ³)	Time	Concentration (ppm)	Time $\frac{\text{Concentration}}{(\text{mg/m}^3)}$		Concentration (ppm)	Concentration (mg/m ³)
7:35	2.7	07:36:44	0.025	7:30	0	07:36:44	0.023		
7:50	2.7	07:51:44	0.014	7:45	0	07:51:44	0.014		
8:05	2.8	08:06:44	0.012	8:00	0	08:06:44	0.014	0	0
8:20	2.8	08:21:44	0.011	8:15	0	08:21:44	0:25		
8:35	2.8	08:36:44	0.008	8:30	0	08:36:44	0.014	0	0
8:50	3	08:51:44	0.006	8:45	0	08:51:44	0.01		
9:05	3.3	09:06:44	0.005	9:00	0	09:06:44	0.012	0	0
9:20	3.5	09:21:44	0.002	9:15	0	09:21:44	0.008		
9:35	3.7	09:36:44	0.003	9:30	0	09:36:44	0.009	0	0.003
9:50	4	09:51:44	0.001	9:45	0	09:51:44	0.006	-	
10:05	4.1	10:06:44	0.001	10:00	0	10:06:44	0.006	0	0.001
10:20	3.8	10:21:44	0.001	10:15	0	10:21:44	0.011		0.004
10:35	4	10:36:44	0.001	10:30	0	10:36:44	0.011	0	0.001
10:50	4.1	10:51:44	0.001	10:45	0	10:51:44	0.009	0	0.009
11.05	4	11.00.44	0.002	11.00	01	11.00.44	0.006	0	0.006
11.20	4.1	11.21.44	0.002	11.13	0.1	11.21.44	0.000	0	0.005
11:50	4	11:51:44	0.002	11:45	0.1	11:51:44	0.007	0	0.005
12:05	4.1	12:06:44	0.001	12:00	0.1	12:06:44	0.003	0	0.003
12:20	4	12:21:44	0.001	12.15	0.2	12.21.44	0.009		0.000
12:35	3.9	12:36:44	0.003	12:30	0.2	12:36:44	0.008	0	0.002
12:50	3.9	12:51:44	0.003	12:45	0.3	12:51:44	0.011		
13:05	3.9	13:06:44	0.001	13:00	0.2	13:06:44	0.009	0	0.007
13:20	3.8	13:21:44	0.003	13:15	0.3	13:21:44	0.005		
13:35	3.8	13:36:44	0.006	13:30	0.4	13:36:44	0.005	0	0.008
13:50	3.7	13:51:44	0.001	13:45	0.5	13:51:44	0.005		
14:05	3.7	14:06:44	0.002	14:00	0.5	14:06:44	0.006	0	0.005
14:20	3.8	14:21:44	0.002	14:15	0.6	14:21:44	0.003		
14:35	3.8	14:36:44	0.002	14:30	0.5	14:36:44	0.003	0	0.008
14:50	3.8	14:51:44	0.002	14:45	0.4	14:51:44	0.002		
15:05	3.8	15:06:44	0.006	15:00	0.4	15:06:44	0.004	0	0.007
15:20	3.8	15:21:44	0.004	1		15:21:44	0.005	0	0.008



Client :National GridContractor:T. Ford

Activity:Construction
OversightPage:11 of 11IESI Proj. No.NG/Malden

12/17/07 Monday

Author: G Hirsch

0850 IES on-site (Picked up meters on way to site). T Ford on-site with 4 person crew.

Weather: 20 degrees, sun, moderate wind.

0900 - Tailgate Safety Meeting Topic: Cold temperatures, frostbite,

Day activities consisted of excavating a portion of building footprint to approximately 6 feet.

Four loads of soil transported off-site to ESMI.

One load of crushed stone delivered to site.

No VOC or dust readings above alarm limits near excavation during digging or loading of trucks for ESMI.

Perimeter readings

Time	VOCs (ppm)	Dust (mg/m ³)
945	0.0	0.018
1015	0.0	0.003
10:45	0.0	0.006
11:15	0.0	0.011
11:45	0.0	0.008
12:15	0.0	0.014
12:45	0.0	0.008
13:15	0.0	0.014
13:45	0.0	0.014
14:15	0.0	0.007
14:45	0.0	0.004
15:00	0.0	0.011

1500 T Ford filling in bottom of excavation with crushed stone. No more excavating or moving soil today.

1530 IESI off-site



				AIR MO	ONITORIN	G SHEET			
Client: Mas	sachusetts E	lectric Comp	any						
Project: 51 (Commercial S	Street							
17-Dec-07									
Weather: 20) degrees, Sui	nny, moderat	e wind						
Action Leve	$\frac{1}{10} 0.10 \text{ mg/r}$	n ³ above Upu	wind: VOCs:	5 ppm					
Notes:	1. 0.10 llig/ll		ind, vocs.	5 ppm					
110005.		N. Un Wind		1		Down Win	d		
	LOCATION: Up Wind LOCATION: Down Wind Handheld Perimeter Monitoring								
Meter: Mini-RAE 7600 (for volatiles) Meter: MiniRAM (for dust)		IiniRAM dust)	Meter: Mini-RAE 7600 (for volatiles)		Meter: MiniRAM (for dust)		Meter: Mini- RAE 7600 (for volatiles)	Meter: Personal Data RAM (PDR1000AN) (for dust)	
Time	Concentrati on (ppm)	Time	Concentrati on (mg/m ³)	Time	Concentrati on (ppm)	Time	Concentrati on (mg/m^3)	Concentration (ppm)	Concentration (mg/m ³)
	(ppm)		(iiig/iii)	9:13	(ppiii) 0.0		(iiig/iii)		
9:32	0.0			9:28	0.0				
9:47	0.0	9:45	0.000	9:43	0.0	9:45	0.015	0	0.018
10:02	0.0	10:00	0.000	9:58	0.0	10:00	0.014		
10:17	0.0	10:15	0.000	10:13	0.0	10:15	0.017	0	0.003
10:32	0.0	10:30	0.000	10:28	0.0	10:30	0.016		0.000
10:47	0.0	11:00	0.000	10:43	0.0	11:00	0.010	U	0.000
11.02	0.0	11:15	0.000	11.30	0.0	11:15	0.013	0	0.011
11:32	0.0	11:30	0.000	11.13	0.0	11:30	0.018	~	0.011
11:47	0.0	11:45	0.000	11:43	0.1	11:45	0.019	0	0.008
12:02	0.0	12:00	0.000	11:58	0.1	12:00	0.019	-	
12:17	0.0	12:15	0.000	12:13	0.2	12:15	0.019	0	0.014
12:32	0.0	12:30	0.000	12:28	0.1	12:30	0.019		
12:47	0.0			12:43	0.1			0	0.008
13:02	0.0	13:00	0.000	12:58	0.1	13:00	0.017		
13:17	0.0	13:15	0.000	13:13	0.0	13:15	0.018	0	0.0014
13:32	0.0	13:30	0.000	13:28	0.1	13:30	0.020		
13:47	0.0	13:45	0.000	13:43	0.2	13:45	0.022	0	0.014
14:02	0.0	14:00	0.000	13:58	0.2	14:00	0.020		
14:17	0.0	14:15	0.000	14:13	0.3	14:15	0.020	0	0.007
14:32	0.0	14.45	0.000	14:28	0.3	14.45	0.010	0	0.004
14.47	0.0	15:00	0.000	14.40	0.0	15:00	0.013	0	0.004



APPENDIX C

PHOTODOCUMENTATION



December 2007 – Driving wooden piles prior to excavation of building footprint



December 2007 - Excavation of building footprint showing installation of geotextile, peastone, and mud mat.







January 2007 – Piles cut down, Pile caps placed





January 2008 – Geotextile of 2nd gas venting layer



January 2008 – Peastone for 2nd gas venting layer





March 2008 – Bank building on right, remediation equipment shed in back



March 2008 – Bank building



APPENDIX D

COPIES OF FINAL BILLS OF LADING SUBMITTED TO DEP



Innovative Engineering Solutions, Inc.

25 Spring Street • Walpole, MA 02081 • (508) 668-0033 • fax (508) 668-5175

May 27, 2008

Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup Northeast Regional Office 205B Lowell Street Wilmington, Massachusetts 01887

Subject: Bill of Lading Closure Former Malden MGP Site 51 Commercial Street Malden, Massachusetts RTN 3-0362

Dear Sir/Madam:

Enclosed with this letter, please find the original Bill of Lading (BOL) Forms (BWSC-012A, B, and C) for the transport of 161.46 tons of soil from the referenced location. Innovative Engineering Solutions, Inc. (IESI) is providing Licensed Site Professional (LSP) services and has prepared this BOL on behalf of National Grid, the owner of the property.

The soils were managed as part of a Release Abatement Measure (RAM). The RAM was initiated on August 29, 2007 and the RAM Plan was submitted to the DEP on August 9, 2007. The soils were transported (under this BOL) to Environmental Soil Management, Inc. for thermal processing and recycling at their facility located in Loudon, New Hampshire.

We trust that the above information and the enclosed BOL are sufficient for your records. Should you have any questions or require further information, please contact me at (508) 668-0033, extension 231.

Very truly yours, INNOVATIVE ENGINEERING SOLUTIONS, INC.

Michael Lotti, L.S.P. Principal Geologist

Attachments:

Bill of Lading Form (Form BWSC-012A, 012B, 012C)

cc: Michele Leone

O:\National Grid\Malden\51 Commercial Street\Soil Disposal\BOL Closure 5-23-08.doc
Massachusetts Department	of Environmental Protection BWSC-012A	
	Release Tracking Number	
BILL OF LADING (pursuant to 3	10 CMR 40.0030) 3 - 0362	
A. LOCATION OF SITE OR DISPOSAL SITE WHERE REM	MEDIATION WASTE WAS GENERATED:	
Release Name (optional): Former Malden MGP Site		
Street: 51 Commercial Street	Location Aid:	
City/Town. Malden	ZIP Code: 02148	
Date/Period of Generation: $10/31/07$ to:		
Additional Release Tracking Numbers Associated with this Bill of Ladi	ina:	
* Note: If this Bill of Lading is the result of a Limited Removal Act	ction (LRA) taken prior to Notification, a Release Tracking Number is not needed.	
B. PERSON CONDUCTING RESPONSE ACTION ASSOCI	IATED WITH BILL OF LADING:	
Name of Contact: Michele Leone	Title. Lead Senior Environmental Engineer	
Street. 25 Research Drive		
CituTourn Westborough	State: MA 710 Code: 01582	
Telephone: 508-389-4296	State ZIF Code	
Fiduciary, Secured Lender or Municipality with Exempt Status (a Agency or Public Utility on a Right of Way (as defined by M.G.L Other Person:	(as defined by M.G.L. c. 21E, s. 2) L. c. 21E, s. 5(j)	
Fiduciary, Secured Lender or Municipality with Exempt Status (a Agency or Public Utility on a Right of Way (as defined by M.G.L Other Person: If an owner and/or operator is not conducting the response contact person, address and telephone num Transporter/Common Carrier Name: Environmental S	(as defined by M.G.L. c. 21E, s. 2) L. c. 21E, s. 5(j)) e action associated with the Bill of Lading, provide on an attachment the name, mber, including any area code and extension, for each, if known. ION: Soil Management, Inc.	
Fiduciary, Secured Lender or Municipality with Exempt Status (a Agency or Public Utility on a Right of Way (as defined by M.G.I. Other Person: If an owner and/or operator is not conducting the response contact person, address and telephone num Transporter/Common Carrier Name: Steven Raper	(as defined by M.G.L. c. 21E, s. 2) L. c. 21E, s. 5(j)) se action associated with the Bill of Lading, provide on an attachment the name, mber, including any area code and extension, for each, if known. ION: Soil Management, Inc. Title. Compliance Manager	
Fiduciary, Secured Lender or Municipality with Exempt Status (a Agency or Public Utility on a Right of Way (as defined by M.G.L Other Person: If an owner and/or operator is not conducting the response contact person, address and telephone num Transporter/Common Carrier Name: Environmental S Contact Person: Steven Raper Contact Person: Contact Pers	<pre>senerator Transporter Other RP of PRP:</pre>	
Fiduciary, Secured Lender or Municipality with Exempt Status (a Agency or Public Utility on a Right of Way (as defined by M.G.L Other Person:	(as defined by M.G.L. c. 21E, s. 2) L. c. 21E, s. 5(j)) Be action associated with the Bill of Lading, provide on an attachment the name, mber, including any area code and extension, for each, if known. ION: Soil Management, Inc. Title: Compliance Manager NH are an 03301	
Fiduciary, Secured Lender or Municipality with Exempt Status (a Agency or Public Utility on a Right of Way (as defined by M.G.I. Other Person:	<pre>senerator Transporter Other RP of PRP:</pre>	
Fiduciary, Secured Lender or Municipality with Exempt Status (a Agency or Public Utility on a Right of Way (as defined by M.G.L Other Person:	<pre>senerator Transporter Other RP of PRP:</pre>	
 Fiduciary, Secured Lender or Municipality with Exempt Status (a Agency or Public Utility on a Right of Way (as defined by M.G.I. Other Person:	<pre>senerator Transporter Other RP of PRP:</pre>	
Fiduciary, Secured Lender or Municipality with Exempt Status (a Agency or Public Utility on a Right of Way (as defined by M.G.I. Other Person: If an owner and/or operator is not conducting the response contact person, address and telephone num D. TRANSPORTER OR COMMON CARRIER INFORMATION Transporter/Common Carrier Name: Environmental S Contact Person: Steven Raper Street: 67 International Drive City/Town: Loudon Telephone: (603) 783-0228 Ext.: E. RECEIVING FACILITY/TEMPORARY STORAGE LOCA Operator/Facility Name: Environmental Soil Manage Contact Person: Steven Raper	<pre>senerator Transporter Other RP of PRP:</pre>	
Fiduciary, Secured Lender or Municipality with Exempt Status (a Agency or Public Utility on a Right of Way (as defined by M.G.I. Other Person: If an owner and/or operator is not conducting the response contact person, address and telephone num D. TRANSPORTER OR COMMON CARRIER INFORMATION Transporter/Common Carrier Name: Environmental S Contact Person: Steven Raper Street: 67 International Drive City/Town: Loudon Telephone: (603) 783-0228 Ext.: E. RECEIVING FACILITY/TEMPORARY STORAGE LOCA Operator/Facility Name: Environmental Soil Manage Contact Person: Steven Raper Streat: 67 International Drive	<pre>senerator Transporter Other RP of PRP:</pre>	
Fiduciary, Secured Lender or Municipality with Exempt Status (a Agency or Public Utility on a Right of Way (as defined by M.G.I. Other Person: If an owner and/or operator is not conducting the response contact person, address and telephone num D. TRANSPORTER OR COMMON CARRIER INFORMATION Transporter/Common Carrier Name: Environmental S Contact Person: Steven Raper Street: 67 International Drive City/Town: Loudon Telephone: (603) 783-0228 Ext.: E. RECEIVING FACILITY/TEMPORARY STORAGE LOCA Operator/Facility Name: Environmental Soil Manage Contact Person: Steven Raper Contact Person: Environmental Soil Manage Contact Person: Steven Raper Contact Person: Contact Person	generator	
Fiduciary, Secured Lender or Municipality with Exempt Status (a Agency or Public Utility on a Right of Way (as defined by M.G.I. Other Person: If an owner and/or operator is not conducting the response contact person, address and telephone num D. TRANSPORTER OR COMMON CARRIER INFORMATION Transporter/Common Carrier Name: Environmental S Contact Person: Steven Raper Street: 67 International Drive City/Town: Loudon Telephone: (603) 783-0228 Ext.: Environmental Soil Manage Contact Person: Steven Raper City/Town: Loudon Telephone: (603) 783-0228 Ext.: Grade and	Generator	
Fiduciary, Secured Lender or Municipality with Exempt Status (a Agency or Public Utility on a Right of Way (as defined by M.G.I. Other Person: If an owner and/or operator is not conducting the response contact person, address and telephone num D. TRANSPORTER OR COMMON CARRIER INFORMATION Transporter/Common Carrier Name: Environmental S Contact Person: Steven Raper Street: 67 International Drive City/Town: Loudon Telephone: (603) 783-0228 Ext:	generator	
Fiduciary, Secured Lender or Municipality with Exempt Status (a Agency or Public Utility on a Right of Way (as defined by M.G.I. Other Person: If an owner and/or operator is not conducting the response contact person, address and telephone num D. TRANSPORTER OR COMMON CARRIER INFORMATION Transporter/Common Carrier Name: Environmental S Contact Person: Steven Raper Street: 67 International Drive City/Town: Loudon Telephone: (603) 783-0228 Ext: Ext: Gontact Person: Steven Raper City/Town: Loudon Telephone: 67 International Drive Contact Person: Steven Raper Street: 67 International Drive Contact Person: Steven Raper Street: 67 International Drive Contact Person: Steven Raper Street: 67 International Drive City/Town: Loudon Telephone: (603) 783-0228 Ext.: Type of Facility: Asphalt Batch/Cold Mix Landfi (check one) Asphalt Batch/Hot Mix	generator Inansporter Other RP of PRP: (as defined by M.G.L. c. 21E, s. 2) L. c. 21E, s. 5(j)) L. c. 21E, s. 5(j)) se action associated with the Bill of Lading, provide on an attachment the name, mber, including any area code and extension, for each, if known. ION: Soil Management, Inc.	
Fiduciary, Secured Lender or Municipality with Exempt Status (a Agency or Public Utility on a Right of Way (as defined by M.G.I. Other Person: If an owner and/or operator is not conducting the response contact person, address and telephone num D. TRANSPORTER OR COMMON CARRIER INFORMATION Transporter/Common Carrier Name: Environmental S Contact Person: Steven Raper Street: 67 International Drive City/Town: Loudon Telephone: (603) 783-0228 Ext:	Generator Transporter Other RP of PRP: (as defined by M.G.L. c. 21E, s. 2) L. c. 21E, s. 5(j)) See action associated with the Bill of Lading, provide on an attachment the name, mber, including any area code and extension, for each, if known. ION: Soil Management, Inc. Title: Compliance Manager State: NH ZIP Code: 03301 ATION: gement, Inc. Title: Compliance Manager ATION: gement, Inc. Title: Compliance Manager ATION: gement, Inc. MIL: Compliance Manager Output Older: Output Other: NH5986485852	
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Massachusetts Department of Environmental Protection BWSC-01	2A
Bill OF LADING (pursuant to 310 CMR 40.0030)	ıber*
E. RECEIVING FACILITY/TEMPORARY STORAGE LOCATION (continued) :	
Temporary Storage Address:	
Street:	
City/Town: State: ZIP Code:	
F. DESCRIPTION OF REMEDIATION WASTE: (check all that apply)	
Contaminated Media (check all that apply): Soil Groundwater Surface Water Other:	
Contaminated Debris (check all that apply): Vegetation or Organic Debris Demolition/Construction Waste	
Non-hazardous Uncontainerized Waste (check all that apply): Non-aqueous Phase Liquid Other:	
Non-hazardous Containerized Waste (check all that apply): Tank Bottoms/Sludges Containers Drums Engineered Impoundments Other:	
Type of Contamination (check all that apply): Gasoline Diesel Fuel #2 Oil #4 Oil #6 Oil Waste O Kerosene Jet Fuel Image: MGP type waste	il
Estimated Volume of Materials: Cubic Yards: Tons: 2000 Other:	
Contaminant Source (check one/specify): Transportation Accident Underground Storage Tank / Other: Historic F	, ill
Response Action Associated with Bill of Lading (check one): Immediate Response Action I Release Abatement Measure	
Utility-Related Abatement Measure Limited Removal Action (LRA) Comprehensive Response Action	
Site History Information Sampling and Analytical Methods and Procedures 🖌 Laboratory Data Field Screening Data	
If supporting documentation is not appended, provide an attachment stating the date and in connection with what document such information was previously submitted to DEP.	
G. LICENSED SITE PROFESSIONAL (LSP) OPINION:	
Innovative Engineering Solutions, Inc.	
LSP Name: Michael S. Lotti Title: Principal Geologist	
Telephone: 508-668-0033 Ext.: 231	
I attest under the pains and penalties of perjury that I have personally examined and am familiar with this submittal, including any and all documents accompanying this submittal. In my professional opinion and judgment based upon application of	
 (i) the standard of care in 309 CMR 4.02(1), (ii) the applicable provisions of 309 CMR 4.02(2) and (3), and (iii) the provisions of 309 CMR 4.03(5), 	
to the best of my knowledge, information and belief, the assessment actions undertaken to characterize the Remediation Waste which is (are) the sub this submittal for acceptance at the facility identified in this submittal comply with the applicable provisions of 310 CMR 40.0000, and such facility is permitted to accept Remediation Waste having the characteristics described in this submittal. I am aware that significant penalties may result, includin not limited to, possible fines and imprisonment, if I submit information which I know to be false, inaccurate or internal the semplete .	ect of ng, but
LSP Signature:	
Date: March 17, 2008	
License Number: 4208	

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	Massachusetts Department of Environmer Bureau of Waste Site Cleanup	ntal I	Protect	ion		BWSC-012A
D E P	BILL OF LADING (pursuant to 310 CMR 40.0030)				Re 3	elease Tracking Number*
H. CERTIFICATIO	ON OF PERSON CONDUCTING RESPONSE ACTION ASSOC		D WITH T	HIS B	LL OF L	ADING:
certify under penaltie locuments accompar naterial information c enalties, including, b	is of law that I have personally examined and am familiar with the informativing this certification, and that, based on my inquiry of those individuals i contained herein is, to the best of my knowledge and belief, true, accurate ut not limited to, possible fines and imprisonment, for willfully submitting the contained of the	tion co mmedi and co false, ir	ntained in ti ately respo mplete. I a naccurate, o March	his subr nsible fo m awar or incon 17,	mittal, inclu or obtaining e that there aplete infor 2008	uding any and all g the information, the e are significant rmation.
Jame of Person (prin	Michele V. Leone	Date:				
ame of Person (prin						

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Massachusetts Department of Environmental Protection BWSC-01 Bureau of Waste Site Cleanup Bureau of Waste Site Cleanup						
BILL	OF LADING (pursuant to 310 CMR	t 40.0030)	Release Tracking Number			
DEP SUM	MARY SHEET OF	· · · · · · · · · · · · · · · · · · ·	-			
I. LOAD INFORMATION Load 1: Date of Shipment: 子りローの多 Truck/Tractor Registration: ノ 3 み 3 A パ	Signatiure of Pansporter Representative:	Receiving Facility/Temporary Storage Representation of Receipt: Date of Receipt: 3 49 08 8.40 Load Size (cu. yds./toms); 22.3	esentative: eceipt:) / AM D PM			
Load 2: Signatiure of Date of Shipment: 3-#9-08 Truck/Tractor Registration: 1373 A R	Time of Shipment:	Receiving Facility/Temporary Storage Rep 55M A CagN Date of Receipt: 3[19[08] Load Size (cu. yds/tons)) J 02	resentative: eceipt: -{3			
Load 3: Signatiure of Date of Shipment: 3-90-08 Truck/Tractor Registration: 1393/472	Time of Shipment: 7:30 AM PM	Receiving Fability/Temporary Storage Rep ESUL Date of Receipt: Time of R Construction of R Total Size (cu. yds./tons) Total Size (cu. yds./tons)	eceipt:			
Load 4: Signatiure of	f Transporter Representative:	Receiving Facility/Temporary Storage Repr	esentative:			
Date of Shipment: Truck/Tractor Registration:	Time of Shipment:	Date of Receipt: Time of R	eceipt:			
Load 5: Signatiure of	f Transporter Representative:	Receiving Facility/Temporary Storage Rep	presentative:			
Date of Shipment:	Time of Shipment:	Date of Receipt: Time of R	eceipt:			
Truck/Tractor Registration:	Trailer Registration (if any):	Load Size (cu. yds./tons):				
Load 6: Signatiure o	f Transporter Representative:	Receiving Facility/Temporary Storage Rep	presentative:			
Date of Shipment:	Time of Shipment:	Date of Receipt: Time of R	eceipt:			
Truck/Tractor Registration:	Trailer Registration (if any):	Load Size (cu. yds./tons):				
J. LOG SHEET VOLUME INFORMATION: Total Volume Recorded This Page (cu. yds./tons): Total Carried Forward (cu. yds./tons): Total Carried Forward and This Page (cu. yds./tons):						

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LOAD 3: Sign	nauure or 113f				Receiving Facility/Tempora	Ry Storage Representative	B :
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	Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup							
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Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup BWSC-01 BEL OF LADING (pursuant to 310 CMR 40.0030 SUMMARY SHEET Release Tracking Nu COMPLETE ONE COPY OF THIS PAGE AND ATTACH TO THE FINAL COPY OF THE SUMMARY SHEET. ACKNOWLEDGMENT OF RECEIPT OF REMEDIATION WASTE AT RECEIVING FACILITY OR TEMPORARY STORAGE stativing Facility/Temporary Storage Representative (print): ACKNOWLEDGMENT OF SHIPMENT AND RECEIPT OF REMEDIATION WASTE BY PERSON CONDUCTIVE RESPONSE ACTION ASSOCIATED WITH THIS BLL OF LADING: The: COUNDUCTIVE RESPONSE ACTION ASSOCIATED WITH THIS BLL OF LADING: and any and all countering accompanying the conditionance in the submittal, including any and all countering accompanying the conditionance in the submittal, including any and all countering accompanying the conditionance in the submittal, including any and all countering accompanying the conditionance in the submittal, including any and all countering accompanying the conditionance in the submittal, including any and all countering accompanying the conditionance in the submittal, including any and all countering accompanying the conditionance in the company of the consible information. Signature: Date: DA DADOS Name of Person (print): CALLER LEONE Date: DA DADOS	iE:
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lame of Person (print): MICHELE LEONE	
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Innovative Engineering Solutions, Inc.

25 Spring Street • Walpole, MA 02081 • (508) 668-0033 • fax (508) 668-5175

February 26, 2008

Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup Northeast Regional Office 205B Lowell Street Wilmington, Massachusetts 01887

Subject: Bill of Lading Closure Former Malden MGP Site 51 Commercial Street Malden, Massachusetts RTN 3-0362

Dear Sir/Madam:

Enclosed with this letter, please find the original Bill of Lading (BOL) Forms (BWSC-012A, B, and C) for the transport of 44.22 tons of soil from the referenced location. Innovative Engineering Solutions, Inc. (IESI) is providing Licensed Site Professional (LSP) services and has prepared this BOL on behalf of National Grid, the owner of the property.

The soils were managed as part of a Release Abatement Measure (RAM). The RAM was initiated on August 29, 2007 and the RAM Plan was submitted to the DEP on August 9, 2007. The soils were transported (under this BOL) to Environmental Soil Management, Inc. for thermal processing and recycling at their facility located in Loudon, New Hampshire.

We trust that the above information and the enclosed BOL are sufficient for your records. Should you have any questions or require further information, please contact me at (508) 668-0033, extension 231.

Very truly yours, INNOVATIVE ENGINEERING SOLUTIONS, INC.

Michael Lotti, L .S.P

Principal Geologist

Attachments: Bill of Lading Form (Form BWSC-012A, 012B, 012C)

cc: Michele Leone

O:\National Grid\Malden\51 Commercial Street\Soil Disposal\BOL Closure 2-26-08.doc

Massachusetts Department of Enviro Bureau of Waste Site Cleanup	onmental Protection BWSC-012A
DEP BILL OF LADING (pursuant to 310 CMR 40.	.0030) Release Tracking Number*
A. LOCATION OF SITE OR DISPOSAL SITE WHERE REMEDIATION	WASTE WAS GENERATED:
Release Name (optional): Former Malden MGP Site	
Street: 51 Commercial Street	_ Location Aid:
City/Town: Malden	ZIP Code:
Date/Period of Generation: 10/31/07 to:	_
Additional Release Tracking Numbers Associated with this Bill of Lading: * Note: If this Bill of Lading is the result of a Limited Removal Action (LRA) tail	ken prior to Notification, a Release Tracking Number is not needed.
B. PERSON CONDUCTING RESPONSE ACTION ASSOCIATED WITH Name of Organization: National Grid	HBILL OF LADING:
Name of Contact: Michele Leone	Title: Lead Senior Environmental Engineer
Street 25 Research Drive	
City/Town. Westborough	State MA ZIP Code 01582
Telephone: 508-389-4296 Ext.:	
Agency or Public Utility on a Right of Way (as defined by M.G.L. c. 21E, s. 5(Other Person: If an owner and/or operator is not conducting the response action assoc contact person, address and telephone number, including	(j)) ciated with the Bill of Lading, provide on an attachment the name, g any area code and extension, for each, if known.
D. TRANSPORTER OR COMMON CARRIER INFORMATION:	
Transporter/Common Carrier Name: Environmental Soil Mana	igement, Inc.
Contact Person: Steven Raper	Title: Compliance Manager
Street: 67 International Drive	
City/Town: Loudon	State: NH ZIP Code: 03301
Telephone: (603) 783-0228 Ext.:	
E. RECEIVING FACILITY/TEMPORARY STORAGE LOCATION:	
Operator/Facility Name: Environmental Soil Management, 1	Inc.
Contact Person: Steven Raper	Title: Compliance Manager
Street:	
City/Town: Loudon	_ State: <u>NH</u> ZIP Code:
Telephone: (603) 783-0228 Ext.:	
Type of Facility: Asphalt Batch/Cold Mix Landfill/Disposal (check one) Asphalt Batch/Hot Mix Landfill/Daily Cover	Incinerator Temporary Storage Other:
I hermal Processing	EPA Identification #: NH5986485852
Division of Hazardous Waste/Class A Permit #: Divis	sion of Solid Waste Management Permit #:DESSWSP96002
Actual/Anticipated Period of Temporary Storage (specify dates if applicable): $\overset{ m N}{-}$	IA to:
Reason for Temporary Storage:	

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Massachusetts Department of Enviror	nmental Protection BWSC-012A
DEP BILL OF LADING (pursuant to 310 CMR 40.00	Release Tracking Number* 330
E. RECEIVING FACILITY/TEMPORARY STORAGE LOCATION (continu Temporary Storage Address:	ued) :
Street:	Stata: ZIP Code:
(check all that apply)	
Contaminated Media (check all that apply): Soil Groundw Contaminated Debris (check all that apply): Vegetation or Organic I Inorganic Absorbant Materials Other:	vater O Surface Water O Other: Debris O Demolition/Construction Waste
Non-hazardous Uncontainerized Waste (check all that apply): O Non-aque	eous Phase Liquid Other:
Non-hazardous Containerized Waste (check all that apply): O Tank Botto Engineered Impoundments O Other:	oms/Sludges O Containers O Drums
Type of Contamination (check all that apply): Gasoline Diesel Fuel	#2 Oil #4 Oil #6 Oil Waste Oil MGP type waste
Estimated Volume of Materials: Cubic Yards: Tops: 20	00 Other
Contaminant Source (check one/specify): Transportation Accident	Underground Storage Tank 🗸 Other: Historic Fill
Response Action Associated with Bill of Lading (check one):	ponse Action V Release Abatement Measure
Utility-Related Abatement Measure	al Action (LRA) Comprehensive Response Action
Remediation Waste Charcterization Support Documentation attached: Site History Information Sampling and Analytical Methods and Procedu	ures 🖌 Laboratory Data 📄 Field Screening Data
If supporting documentation is not appended, provide an attachmen document such information was previously	it stating the date and in connection with what y submitted to DEP.
G. LICENSED SITE PROFESSIONAL (LSP) OPINION:	
Name of Organization:	Inc.
LSP Name: Michael S. Lotti Title: P	Principal Geologist
Telephone: 508-668-0033 Ext.: 231	
I attest under the pains and penalties of perjury that I have personally examined and an accompanying this submittal. In my professional opinion and judgment based upon app (i) the standard of care in 309 CMR 4.02(1), (ii) the applicable provisions of 309 CMR 4.02(2) and (3), and (iii) the provisions of 309 CMR 4.03(5).	n familiar with this submittal, including any and all documents plication of
to the best of my knowledge, information and belief, the assessment actions undertaken this submittal for acceptance at the facility identified in this submittal comply with the ap permitted to accept Remediation Waste having the characteristics described in this sub not limited to, possible fines and imprisonment, if I submit information which I know to b	n to characterize the Remediation Waste which is (are) the subject of pplicable provisions of 310 CMR 40.0000, and such facility is omittal. I am aware that significant penalties may result, including, but be false, inaccurate or materially incomplete.
LSP Signature: Min Add Seal: Date: January 25, 2008	MICHAEL S. LOTTI
License Number:	NO. 4208 COISTERS OF A
	A MORE SEC.

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	Massachusetts De Bureau of Waste Si	partment of Enviro	onmental l	Protection		BWSC-0	12 A
					Rele	ase Tracking Nu	mber*
DEB	BILL OF LADING (pursuant to 310 CMR 40.0	030)		3	- 0362	
υεΓ	· · · · · · · · · · · · · · · · · · ·						
I. CERTIFICATIO	N OF PERSON CONDUCT	ING RESPONSE ACTION	ASSOCIATE	D WITH THIS BIL	L OF LA	DING:	
certify under penalties ocuments accompany laterial information co enalties, including, bu	s of law that I have personally ex ving this certification, and that, b ntained herein is, to the best of r it not limited to, possible fines an	amined and am familiar with the ased on my inquiry of those ind my knowledge and belief, true, a nd imprisonment, for willfully su	e information co lividuals immedi accurate and co bmitting false, in	ntained in this submi ately responsible for mplete. I am aware naccurate, or incomp	ittal, includi obtaining t that there a lete inform	ng any and all he information, t are significant ation.	he
ignature:	Muncon	2	Date:	January 25,	2008		
ame of Person (print	Michele V. Leo	ne					

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Ma Bui	ssachusetts Department of En reau of Waste Site Cleanup	wironmental Protection BWSC-012B
BIL	L OF LADING (pursuant to 310 CMF	R 40.0030) Release Tracking Number
DEP SU	MMARY SHEET OF	3-0362
LOAD INFORMATIO	N: Signative of Transporter Bepresentative:	Receiving Facility/Temporary Storage Representative:
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V28/2012		Date of Receipt: Time of Receipt
Fuck/Tractor Registration:	Trailer Registration (if any):	11808 17:00 JAN JAN
58578 m	A	Load Size (cu. yds./tons):) 20 91
Load 2: Signatiure	e of Transporter Representative:	Receiving Facility/Temporary Storage Representative:
Date of Shipment:	Time of Shipment:	esur Alaque
128/08	215 🗆 🛤 🖾 PM	
Truck/Tractor Registration	Trailer Registration (if any):	1/28/08 4.00 /
<u>585</u> /81	ma	Load Size (cu. yds. lions); 23.28
Load 3: Signatium	e of Transporter Representative:	Receiving Facility/Temporary Storage Representative:
Date of Shipment:	Time of Shipment:	Date of Receipt: Time of Receipt:
Truck/Tractor Registration	; Trailer Registration (if any):	
		Load Size (cu. yds./lons):
Load 4: Signation	e of Transporter Representative:	Receiving Facility/Temporary Storage Representative:
Date of Shipment:	Time of Shipment	Data of Receiver Time of Receiver
	AM PM	
Truck/Tractor Registration	Trailer Registration (if any):	Losd City (or unit done)
Load Er Street		
LOAU 5; Signabul	e or i ransponer kepresentative:	Receiving Facility/Temporary Storage Representative:
Date of Shipment:	Time of Shipment:	Date of Receipt: Time of Receipt:
Truck/Tractor Registration	n: Trailer Registration (if any):	
		Load Size (cu. yds./tons):
Load 6: Signatiu	re of Transporter Representative:	Receiving Facility/Temporary Storage Representative:
Date of Shipment	Time of Shipment:	Date of Receipt: Time of Receipt:
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i i nuckr i ractor Registratio	n; inamer ruegistration (n any);	Load Size (cu. yds./tons):
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	Massachus Bureau of V	BWSC-012C		
D E P	BILL OF LAI Summary S	Release Tracking Number		
K. SUMMARY O Date of Sh	F SHIPMENTS: hipment:	Daily Volume Shipped (cu. yds./tons):		
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Massachusetts Oppartment of Environmental Protection Bulk of LADING (pursuant to 310 CMR 40.003 Bulk of LADING (pursuant to 310 CMR 40.003 Complete Compl	المتشقية حلتوكر والأرا	and a second	_
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SUMMARY SHEET B. C.2.4.2. ORLY COMPLETE ONE COPY OF THIS PAGE AND ATTACH TO THE FINAL COPY OF THE SUMMARY SHEET. LACKIONG EDGMENT OF RECEPT OF REMEDIATION WASTE AT RECEIVING FACLETY OR THEPORARY STORAGE: Packing Facility/Timorary Storage Representative (virit): The:		BILL OF LADING (pursuant to 310 CMR 40.0030 Release Tracking Number	
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LACKIDWLEDGMENT OF RECEIPT OF REMEDIATION WASTE AT RECEIVING FACULTY OR TEMPORARY STORAGE: Reaching Facility Temporary Strage Representative (print): Signature: A.CKNOWLEDGMENT OF SHIPMENT AND RECEIPT OF REMEDIATION WASTE BY PERSON CONDUCTING RESPONSE ACTION ASSOCIATED WITH THIS BLL OF LADING: I critiy under parales of law that I have personally examined and an infiliar with the information contained in this submittal, including any and all documents accompanying the critication, and the, based of the law containing the information contained in the information contained in them in the total and the information contained in the information. I critiy under parales of law that I have personally examined and an infiliar with the information contained in the information. Signature: Signature: Signature: M.C.C.C.C.C.C.C.C.C.C.C.C.C.C.C.C.C.C.	ONLY CO	OMPLETE ONE COPY OF THIS PAGE AND ATTACH TO THE FINAL COPY OF THE SUMMARY SHEET.	1
Receiving Facility Terrocovy Storage Representative (print): Signature: Sign	L. ACKNOWLED	OGMENT OF RECEIPT OF REMEDIATION WASTE AT RECEIVING FACILITY OR TEMPORARY STORAGE:	٦
Signature:	Receiving Facility/Ter	ANGE GAGNE Title: OFFE MUNAGE	
M. ACKNOWLEDGMENT OF SHIPMENT AND RECEIPT OF REMEDIATION WASTE BY PERSON CONDUCTING RESPONSE ACTION ASSOCIATED WITH THIS BILL OF LADING: 1 ordity under penalties of law that have personally azamined and in findlar with the information contained in the information, the maintained in networks and on the part of these individuals information containing the information, the maintain information containing the information, the maintain information, penalties, including, but not limits to possible first and imprisonment, for willing submitting fails, inaccurate, or incomplete information, the maintain information, penalties, including, but not limits to possible first and imprisonment, for willing submitting fails, inaccurate, to incomplete information, the maintain information, penalties, including, but not limits to possible first and imprisonment, for willing submitting fails, inaccurate, to incomplete information, the maintain of Person (print): Signature:	Signature:	Delle Hepl Date: 2-1-2008	_
I certify under penalties of law that I have pescenally exemined and an familiar with the information contained in this submitting inducing any and all decourses to account the concentration of the information of the information in the information in the information is the information of the information is the information in the information contained in the information is the information in the information is the information in the information contained in the information is the information in the information contained in the information is the information in the information is the information in the information contained in the informatio	M. ACKNOWLE CONDUCTIN	DGMENT OF SHIPMENT AND RECEIPT OF REMEDIATION WASTE BY PERSON IG RESPONSE ACTION ASSOCIATED WITH THIS BILL OF LADING:	
Signature: <u>UMULIEAU LEDNE</u> Name of Person (print): <u>MICHELE LEDNE</u>	I certify under penalti documents accompa material information penalties, including,	ties of law that I have personally examined and am familiar with the information contained in this submittal, including any and all anying this certification, and that, based on my inquiry of those individuals immediately responsible for obtaining the information, the contained in herein is, to the best of my knowledge and belief, true, accurate and complete, I am aware that there are significant , but not limited to, possible fines and imprisonment, for willfully submitting false, inaccurate, or incomplete information.	
Name of Person (print): MICHELE LEDNE	Signature:	Mileare Date: 02/25/2008	
	Name of Person (pri	nint): MICHELE LEDNE	
	-		
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Revised 10/3/94

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Innovative Engineering Solutions, Inc.

25 Spring Street • Walpole, MA 02081 • (508) 668-0033 • fax (508) 668-5175

January 18, 2008

Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup Northeast Regional Office 205B Lowell Street Wilmington, Massachusetts 01887

Subject: Bill of Lading Closure Former Malden MGP Site 51 Commercial Street Malden, Massachusetts RTN 3-0362

Dear Sir/Madam:

Enclosed with this letter, please find the original Bill of Lading (BOL) Forms (BWSC-012A, B, and C) for the transport of 2,134.31 tons of soil from the referenced location. Innovative Engineering Solutions, Inc. (IESI) is providing Licensed Site Professional (LSP) services and has prepared this BOL on behalf of National Grid, the owner of the property.

The soils were managed as part of a Release Abatement Measure (RAM). The RAM was initiated on August 29, 2007 and the RAM Plan was submitted to the DEP on August 9, 2007. The soils were transported (under this BOL) to Environmental Soil Management, Inc. for thermal processing and recycling at their facility located in Loudon, New Hampshire.

We trust that the above information and the enclosed BOL are sufficient for your records. Should you have any questions or require further information, please contact me at (508) 668-0033, extension 231.

Very truly yours, INNOVATIVE ENGINEERING SOLUTIONS, INC.

Michael Lotti, L.S.P. Principal Geologist

Attachments:

Bill of Lading Form (Form BWSC-012A, 012B, 012C)

cc: Michele Leone

Massachusetts Department of Environ	mental Protection BWSC-012A				
	Release Tracking Number				
DEP BILL OF LADING (pursuant to 310 CMR 40.003	30) 3 - 0362				
A. LOCATION OF SITE OR DISPOSAL SITE WHERE REMEDIATION W	ASTE WAS GENERATED:				
Release Name (optional): Former Malden MGP Site					
Street: 51 Commercial Street	.ocation Aid:				
Cily/Town: Malden z	IP Code: 02148				
Dale/Period of Generation: 10/31/07 to:					
Additional Release Tracking Numbers Associated with this Bill of Lading: * Note: If this Bill of Lading is the result of a Limited Removal Action (LRA) taken	prior to Notification, a Release Tracking Number is not needed.				
B. PERSON CONDUCTING RESPONSE ACTION ASSOCIATED WITH B Name of Organization: National Grid					
Name of Conlact Michele Leone Ti	Ille: Lead Senior Environmental Engineer				
Street, 25 Research Drive					
City/Town: Westborough Si	tate: MA ZIP Code: 01582				
Telephone: 508-389-4296 Ext.:					
C. RELATIONSHIP TO RELEASE OF PERSON CONDUCTING RESPON	SE ACTION ASSOCIATED WITH BILL OF LADING:				
	ransporter Other RP or PRP:				
Agency or Public Utility on a Right of Way (as defined by M.G.L. c. 21E, s, 5())	o.L. C. 21E, S. 2)				
Other Person:					
If an owner and/or operator is not conducting the response action associate	ad with the Bill of Lading, provide on an attachment the name,				
D. TRANSPORTER OR COMMON CARRIER INFORMATION:	y area code and extension, for each, it known.				
Transporter/Common Carrier Name: Environmental Soil Manage	ement, Inc.				
Contact Person:	We:Compliance Manager				
Street:67 International Drive					
City/Town: Loudon s	tate: NH ZIP Code:				
Telephone: (603) 783-0228 Ext.:					
E. RECEIVING FACILITY/TEMPORARY STORAGE LOCATION:					
Operator/Facility Name: Environmental Soil Management, Inc.	2				
Contact Person: Steven Raper T	ille: Compliance Manager				
Street:					
City/Town: Loudon s	State: <u>NH</u> ZIP Code: <u>03301</u>				
Telephone: (603) 783-0228 Ext.:					
Type of Facility: Asphalt Batch/Cold Mix Landfill/Disposal	Incinerator Temporary Storage				
Check one) Asphalt Batch/Hot Mix Landfill/Daily Cover	Other:				
Thermal Processing	EPA Identification #: NH5986485852				
Division of Hazardous Waste/Class A Permit #: NA Division of Solid Waste Management Permit #: DESSWSP96002					
Actual/Anticipated Period of Temporary Storage (specify dates if applicable):					
Reason for Temporary Storage:					

Massachusetts Department of Environmental Protection	BWSC-012A
	Release Tracking Number*
DEP BILL OF LADING (pursuant to 310 CMR 40.0030)	3 - 0362
E. RECEIVING FACILITY/TEMPORARY STORAGE LOCATION (continued) :	
Temporary Storage Address:	
Sireet:	
City/Town: State: ZIF	P Code:
F. DESCRIPTION OF REMEDIATION WASTE: (check all that apply)	、
Contaminated Media (check all that apply):) Other
Contaminated Debris (check ali that apply): Vegetalion or Organic Debris Demoilion/	Construction Waste
Non-hazardous Uncontainerized Waste (check all that apply): O Non-aqueous Phase Liquid O Other	эп
Non-hazardous Containerized Waste (check all that apply): O Tank Bottoms/Sludges O Containers	Drums
Type of Contamination (check all that apply): Gasoline Oilesel Fuel #2 Oil #4 Oil Kerosene Liet Fuel Z Other MGP type waste	#6 Oil Waste Oil
Estimated Volume of Materials; Cubic Yards: Tons: Ot	
Contaminant Source (check one/specify):	Other Historic Fill
Response Action Associated with Bill of Lading (check one):	Abatement Measure
Utility-Related Abatement Measure	prehensive Response Action
Remediation Waste Charcterization Support Documentation attached: Site History Information Sampling and Analytical Methods and Procedures Laboratory Data	Field Screening Data
If supporting documentation is not appended, provide an attachment stating the date and in connect document such information was previously submitted to DEP.	tion with what
G. LICENSED SITE PROFESSIONAL (LSP) OPINION:	
Name of Organization:	
LSP Name: Michael S. Lotti Tille: Principal Geologis	t
Telephone: 508-668-0033 Ext.: 231	
I attest under the pains and penaities of perjury that I have personally examined and am familiar with this submittal, ind accompanying this submittal. In my professional opinion and judgment based upon application of	luding any and all documents
(i) the standard of care in 309 CMR 4.02(1), (ii) the applicable provisions of 309 CMR 4.02(2) and (3), and (iii) the provisions of 309 CMR 4.03(5),	
to the best of my knowledge, information and belief, the assessment actions undertaken to characterize the Remediation this submittal for acceptance at the facility identified in this submittal comply with the applicable provisions of 310 CM permitted to accept Remediation Waste having the characteristics described in this submittal. I am aware that significant not limited to, possible fines and imprisonment, if I submit information which I know to be false, inaccurate or materials	on Waste which is (are) the subject of R 40.0000, and such facility is ant penalties may result, including, but y incomplete.
I SR Signature: MARAN HAR Seal:	HASSACHUS
Date: November 5, 2007	
License Number: 4208	NED STA
	RUIT

	Massachusetts Department of Environ Bureau of Waste Site Cleanup	mental Protection	B##3C-012A
D É P	BILL OF LADING (pursuant to 310 CMR 40.003	30)	Release Tracking Number
H. CERTIFICATION	OF PERSON CONDUCTING RESPONSE ACTION AS	SOCIATED WITH THIS BIL	L OF LADING:
I certify under penalties documents accompanyin material information con penalties, including, but	of law that I have personally examined and am familiar with the In ng this certification, and that, based on my inquiry of those individ tained herein is, to the best of my knowledge and belief, true, acc not limited to, possible fines and imprisonment, for willfully subm	formation contained in this submit duals immediately responsible for surate and complete. I am aware t itting false, inaccurate, or incompl Nowomborr, 5	tal, including any and all obtaining the information, the hat there are significant ete information.
Signature:	Michele V Leone	Date:	2007
Name of Person (print):	MICHELE V. LEONE	<u>.</u>	

	Massachusetts Department of Environmental Protection BWSC-012B Bureau of Waste Site Cleanup				
BI	LL OF LADING (pursuant to 310 CMI	R 40.0030) Rel	ease Tracking Number		
DEP su	IMMARY SHEET OF _	3	-0362-		
I. LOAD INFORMATIC Load 1: Date of Shipment: ///9/07 Truck/Tractor Registration	Signatiure of Transporter Representative: Valou find Time of Shipment: 7:00 PAM Trailer Registration (if any): V4 TTV390/b	Receiving Facility/Temporary Storage Representat Date of Receipt: Timekol/Receipt 11 9 07 8'-08 Load Size (cu. yds. Agns) 38, 48	tive: : 		
Load 2: Signatium Date of Shipment: J1/9/07 Truck/Tractor Registration	e of Transporter Representative: Sddye (mol Time of Shipment: 10.'35 @AM D PM Trailer Registration (if any) H TT39016	Receiving Facility/Temporary Storage Represent	айие: 2 		
Load 3: Signatur Date of Shipment: Truck/Tractor Registration	e of Transporter Representative: Time of Shipment: AM PM 1: Trailer Registration (if any):	Receiving Facility/Temporary Storage Represent Date of Receipt: Time of Receipt Load Size (cu. yds./tons):	ative: t: AM PM		
Load 4: Signatiur	e of Transporter Representative:	Receiving Facility/Temporary Storage Represent:	ative:		
Dale of Shipment: Truck/Tractor Registration	Time of Shipment:	Date of Receipt: Time of Receip Load Size (cu. yds./tons):	t: AM PM		
Load 5: Signatiur	re of Transporter Representative:	Receiving Facility/Temporary Storage Represer	Ilative:		
Date of Shipment:	Time of Shipment:	Dale of Receipt: Time of Receip	^{t:} AM PM		
Truck/Tractor Registration	Trailer Registration (if any):	Load Size (cu. yds <i>J</i> lons):			
Load 6: Signatio	re of Transporter Representative:	Receiving Facility/Temporary Storage Represent	ntative:		
Date of Shipment: Truck/Tractor Registration	Time of Shipment:	Time of Receipt: Time of Receip	і: АМ РМ		
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Massachusetts Department of Environmental Protection BWSC-012B Bureau of Waste Site Cleanup				
BILL OF LADING (pursuant to 310 CMR	40.0030) Release Tracking Number			
DEP SUMMARY SHEET OF	3-0362			
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3505 ARNH TZDIF	Load Size (cu. yds./tens): 35.40			
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Truck/Tractor Registration: Trailer Registration (if any):	Load Size (cu. yds./lons):			
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Truck/Tractor Registration: Trailer Registration (if any)	Load Size (cu. yds_tons):			
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Massachusetts Department of Environmental Protection BWSC-012B Bureau of Waste Site Cleanup					
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Date of Shipment;	Time of Shipment:	≝ амарм арм	Receiving Facility/Temporary S Date of Receipt	ilorage Representative: Time of Receipt:	AM PM
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	Massachusetts Department of Environmental Protection BWSC-012B Bureau of Waste Site Cleanup				
	BILL OF LADING (pursuant to	40.0030}	Release T	racking Number	
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Load 2: Sign Date of Shipment: T-13 Truck/Tractor Regist	Time of Shipment:	рм	Receiving Facility/Temporary Storage Date of Receipt: Time FUL 3 D J J Load Size (cu. yds.Jtms) 3	e Representative: 9 Receipt: 3 P 8. J	AM JOM
Load 3: Sign Date of Shipment:	natiure of Transporter Representative: Time of Shipment:	і 📋 Рм	Receiving Facility/Temporary Storage	e Representative: e of Receipt:	Пам Прм
Truck/Tractor Regist	ration: Trailer Registration (if any):		Load Size (cu. yds./lons):		
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	Massachusetts Depa Bureau of Waste Site	rtment of En	vironmental Protection BWSC-012B
	BILL OF LADING (pursu	ant to 310 CMR	40.0030) Release Tracking Number
DEP	SUMMARY SHEET	OF	3-0362
I. LOAD INFORM Load 1: Date of Shipmont: ////3/07 Truck/Tractor Registr	ATION: Signatiure of Transport Time of Shipment: ation: Trailer Registration (if a WA CADSWA	Ath PM	Receiving Facility/Temporary Storage Representative: Date of Receipt: Time of Receipt: Time of Receipt: Time of Receipt: Load Size (cu. yds./tgns):) 36.97
Load 2: Sign Date of Shipmeny: ////3/07 Truck/Tractor Registr	atiure of Transporter Representative Time of Shipment ation: Trailer Registration (il a	e: AM _ PM ny): <i>VM</i>	Receiving Facility/Temporary Slorage Representative: Date of Receipt: Time of Receipt: Load Size (cu. yds./tonis): 37.93
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Load 4: Sign Date of Shipmepf: ////////////////////////////////////	atiure of Transporter Representative Time of Shipment: 7 ration: Trailer Registration (if a	e: AM PM Inv): UNT	Receiping Facility/Temporary Storage Representative:
Load 5: Sign	atiure of Transporter Representative	e:	Receiving Facility/Temporary Storage Representative:
Date of Shipment:	Time of Shipment:	—] AM 🛄 PM	Dale of Receipt: Time of Receipt: AM PM
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Massachusetts Department of Environmental Protection BWSC-012B Bureau of Waste Site Cleanup					
	BILL OF LADING (pursua	ant to 310 CMR	40.0030)	Release	Tracking Number
DEP	SUMMARY SHEET	OF			0362
I. LOAD INFORM Load 1: Date of Shipment: 11/13/07 Truck/Tractor Registu AX2774	ATJON: Signatiure of Transporter Little Am Time of Shipment: Billy A S ration: Trailer Registration (if an TT 398)	r Representative:	Receiving Facility/Temporary Stor Date of Receipt: 11 13 J Load Size (cu. yds./tgns)	age Representative: CEQY Time of Receipt: 9.23	Fam 🗋 pm
Load 2: Sign Date of Shipment: ////3/87 Truck/Tractor Regist	natiure of Transporter Representative Time of Shipment: 7 12:00 [ration: Trailer Registration (if an 1000] 390 native of Transporter Representative	: □ AM	Receiving Facility/Temporary Sk Dale of Receipl: Load Size (cu. yds./tons):	Time of Receipt:	Пам Грм
Date of Shipment:	Time of Shipment:	АМ РМ ny):	Receiving Facility/Temporary Sto Date of Receipt: Late of Receipt: Load Size (cu. ydsJtons):	brage Representative. Time of Receipt:	🗌 АМ 门 РМ
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Load 5: Sig	natione of Transporter Representative	 9:	Receiving Facility/Temporary S	torage Representative	:
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Massachusetts Department of Environmental Protection BWSC-012B Bureau of Waste Site Cleanup					
	BILL OF LADING (purs	uant to 310 CM	R 40.0030)	Release	Tracking Number
DEP	SUMMARY SHEET	OF		3-	0362
I. LOAD INFORMA Load 1: Date of Shipment: 11/16/0 Truck/Tractor Registra 4673A	TION: Signatiure of Transpo Definition: Trailer Registration (il Time of Shipment: Trailer Registration (il	ID AM D PM any):	Receiving Facility/Temporary Dale of Receipt:	Slorage Representative: COCOP Time of Receipt: 8'.2-5 35, 25	₽АМ □РМ
Load 2: Signa Date of Shipment: 11/16/0 Truck/Tractor Registra 61673/8	tiure of Transportec Representati Time of Shipment:	ve:	Receiving Facility/Temporar Date of Receipt: Load Size (cu. yds./uns):	V Storage Representative:	□ AM PM
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Truck/Tractor Registra	ilion: Trailer Registration (il	any):	Load Size (cu. yds./tons):		
Load 4: Signa	atiure of Transporter Representati	ive:	Receiving Facility/Temporar	y Storage Representative:	
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Date of Shipment:	Time of Shipment:	- AM - PM	Dale of Receipt:	Time of Receipt:	🗌 АМ 🗌 РМ
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Massachusetts Department of Environmental Protection BWSC-012B Bureau of Waste Site Cleanup				
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I. LOAD INFORMATI Load 1: 人、して Date of Shipment: パールーのう Truck/Tractor Registratio SST 73 M4	ON: Signatiure of Transporter Representative: Time of Shipment: ח: Trailer Registration (if any): נו אין	Receiving Facility/Temporary Storage Representative: ESUU: ACCAVE Date of Receipt: Time of Receipt: 11 10 07 8-37 EAM DPM Load Size (cu. yds./tops): 37.04		
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ARDATY MA	T139016	Load Size (cu. yds./fons)) 42,96		
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Load 6: Signatiure of	Transporter Representative:	Receiving Facility/Temporary Storage Representative:		
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Load 3: Signation Date of Shipment: Truck/Tractor Registration	re of Transporter Representative: Time of Shipment: AM [] n: Trailer Registration (if any):	Receiving Facility/Temporary Storage Repr Date of Receipt: Time of Re	esenlative: eceipt: 🔲 AM 🔲 PM
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I. LOAD INFORMATION: Sign Load 1: J.	atiure of Transporter Representative of Shipment: ロ AM ロ Pr er Registration (if any): ムノマン トック	Receiving Facility/Temporary Storage Repres	sentalive: eceipl: AM D PM
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Load 3: Signatiure of Transpo	orter Representative:	Receiving Facility/Temporary Storage Repr	esentative:
Date of Shipment: Time	e of Shipment:	Date of Receipt: Time of Re	eceipt:
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Load 4: Signatiure of Transpo	orter Representative:	Receiving Facility/Temporary Storage Repre	esentative:
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Massachusetts Department of Environmental Protection BWSC-012B Bureau of Waste Site Cleanup			
BILL	OF LADING (pursuant to 310 CN	IR 40.0030) Release Tracking Number	
DEP SUM	MARY SHEET OF		
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Load 3: Signatiure of Date of Shipment: 10 - 18 - 00 Truck/Tractor Registration.	Transporter Representative Time of Shipment: Trailer Registration (If any):	Receiving Facility/Temporary Skorage Representative:	
Load 4: Signatiure of Date of Shipment: $D = (8 \cdot 0)^{-1}$ Truck/Tractor Registration: TAKES	Trailer Registration (if any):	Receiving Facility/Temporary Storage Representative:	
Load 5: Signatiure of	of Transporter Representative:	Receiving Facility/Temporary Storage Representative:	
Date of Shipment:	Time of Shipment:	Date of Receipt: Time of Receipt: AM PM	
Truck/Tractor Registration:	Trailer Registration (if any):	Load Size (cu. yds./tons):	
Load 6: Signatiure	of Transporter Representative:	Receiving Facility/Temporary Storage Representative:	
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Massachusetts Department of Environmental Protection BWSC-012B Bureau of Waste Site Cleanup BILL OF LADING (pursuant to 310 CMR 40.0030) Release Tracking Number OF SUMMARY SHEET I. LOAD INFORMATION: Signative of Transporter Representative: Receiving Facility/Temporary Storage Representative: Mle how Load 1: *OCIC*IY Date of Shipment: Time of Shipment: 12-17-07 11:00 П РМ 12'\D] am 🎽 Pm Truck/Tractor Registration: Trailer Registration (if any): 1323AR Load Size (cu. yds./tops): 0-0 Signatione of Transporter Representativer Load 2: Receiving, Facility/Temportery, Storage Representative: Date of Shipment: Time of Shipment: $\mathcal{O}(\mathcal{H}, \mathcal{S})$ Date of Receipt: 12-17-07 AMETIPN Truck/Tractor Registration: Trailer Registration (if any): Load Size (cu. yds./tons): 1323AR Signatiure of Transportee Representative Load 3: Facility/Temparary-Storage Representative: Date of Shipment: of Shipment 12-18-07 🗋 РМ $\partial \delta$ Receipt: AM 🛛 PM Truck/Tractor Registration: Trailer Registration (if any): 1323AR Load Size (cu. yds. ons); Signatiure of Transporter Representative: Load 4: Receiving Facility (Temporary Storage Representative: Date of Shipment: Time of Shipment: 10:45 1.2-18 PM AM Truck/Tractor Registration: Trailer Registration (if any): 1323.AR Load Size (cu. yds.//bns) Signatiure of Transporter Representative: Load 5: Receiving Facility/Temporary Storage Representative: KSm.4 Date of Shipment: Time of Receipt: 12-19-07 П РМ 🗌 РМ 8:51 19/07 Truck/Tractor Registration: Trailer Registration (if any): Load Size (cu. yds/tons): 37.3AN 22.48 Signative of Transporter Representative Load 6: giving Facility/Ferriporary Storage Representative: Date of Shipment: Time of Shipment Date of Receipt Receipt: 12-19-07 🗌 РМ] PM Truck/Tractor Registration: Trailer Registration (if any): 1323 AR J. LOG SHEET VOLUME INFORMATION: Total Volume Recorded This Page (cu. yds./tons) Total Carried Forward (cu. yds./tons): Total Carried Forward and This Page (cu. yds./tons);



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	Massachusetts Department of Environmental Protection BWS Bureau of Waste Site Cleanup			
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Truck/Tractor Registration	n: Trailer Registration (if any): <i>WEBB</i>	Del 18 5	35 ₽₩ □ PM 85	
Load 2: Signatiu Date of Shipment: 12/18/07 Truck/Tractor Registratio	re of Transporter Representative; Well Time of Shipment: ノローター 「AM 「 n: Trailer Registration (if any): いだのB	PM Receiving Facility/Temporary Storage F Date of Receipt: Time H (8 07 Load Size (cu. yds./tons) 36, 8		
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	BILL OF LADING (pursuant to 310 CMR 40.0030)			Release Tracking Number	
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L LOAD INFORM Load 1: 2 Date of Shipment 1 2 (18) Truck/Tractor Registr AC659	ATION: Signative of Transporter Time of Shipment: Trailer Registration (if any 132114	Representative; 	Receiving Facility/Temporary SI Date of Receipt: Date Size (cu. yds.(ons))	Time of Receipt:	□ AMPM
Load 2: Sig Dale of Shipment: 12/19/ Truck/Tractor Regist AC657	Time of Transporter Representative: Time of Shipment: 07 Trailer Registration (if any 12 71.32 [14]]ам []рм /): /	Receiving Facility/Temporary	Slorage Representative: Time of Receipt 2.05 32.14	□ AM 5-PM
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	Massachusetts Department of Environmental Protection BWSC-012B Bureau of Waste Site Cleanup				NSC-012B
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I. LOAD INFORMATI Load 1: Date of Shipment:) 2./ 18/0 Truck/Tractor Registratio 4673A	ON: Signatiure of Transporter I Dal Time of Shipment: Trailer Registration (if any) TT5250	AM PM	Receiving Facility/Temporary Date of Receipt:	Storage Representative: (lagn) Time of Receipt: 1. D 37. Vb	
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Load 3: Signation Date of Shipment: /2/21/0 Truck/Tractor Registration 46734	Time of Transporter Representative: Time of Shipment: Trailer Registration (if any TT3250		Receiving, Facility/Temporar Date of Receipt:	Time of Receipt:	
Load 4; Signati	ure of Transporter Representative:		I Receiving Facility/Temporar	y Slorage Representative:	
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Massachusetts Department of Environmental Protection BWSC- Bureau of Waste Site Cleanup			
BILL C	F LADING (pursuant to 310 CMR ARY SHEET OF	40.0030)	Release Tracking Number
I. LOAD INFORMATION: Load 1: Date of Shipmont I. J. 18/07 Truck/Tractor Registration:	Signatiure of Transporter, Representative: Time of Shipment: AM PM Trailer Registration (if any): CATSUM	Receiving Facility/Temporary Storage Repr Date of Receipt: Time of f Load Size (cu. yds./tpn5); 33.	esentative: A leceipt: S AM DEM 7 7
Load 2: Signatiure of T Date of Shipment: /2/ 19/07 Truck/Tractor Registration:	Time of Shipment:	Receiving Facility/Temporary Storage Re Date of Receipt: Here of Receipt: Load Size (cu. yds./tdfs);	Receipt: AM PM
Load 3: Signatiure of T Date of Shipment: 12/21/07 Truck/Tractor Registration: 55 95 72 Ma	Time of Shiphent: Trailer Registration (if any): 6.9784444	Receiving Facility/Témporary Storage Re Defe of Receipt: Time of Load Size (cu. yds./ons) 35, 5	Receipt: AM D PM
Load 4: Signatiure of T	ransporter Representative:	Receiving Facility/Temporary Storage Rep	presentative:
Date of Shipment: Truck/Tractor Registration:	Time of Shipment: AM PM Trailer Registration (if any):	Date of Receipt: Time of Time of Load Size (cu. yds./tons):	Receipl: 🗌 Am 🗍 PM
Load 5: Signature of	Fransporter Representative:	Receiving Facility/Temporary Storage R	epresentative:
Date of Shipment:	Time of Shipment:	a Date of Receipt: Time of	Receipt AM PM
Truck/Tractor Registration:	Trailer Registration (if any):	Load Size (cu. yds./tons):	
Load 6: Signatiure of Transporter Representative: Receiving Facility/Temporary Storage Representative:			lepresentative:
Date of Shipment	Time of Shipment:) 1 1 Date of Receipt: Time of 1	Receipt: 🗌 AM 📄 PM
Truck/Tractor Registration:	Trailer Registration (if any):	Load Size (cu. yds./tons):	
J. LOG SHEET VOLUME INFORMATION: Total Volume Recorded This Page (cu. yds./tons) (01-03) Total Carried Forward (cu. yds./tons): Total Carried Forward and This Page (cu. yds./tons):			

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	Massac Bureau	Massachusetts Department of Environmental Protection BWSC-012B Bureau of Waste Site Cleanup Bureau of Waste Site Cleanup				
	BILL OF	LADING (pursuant	to 310 CMR	40.0030)	Release	Tracking Number
DEP	SUMMAR	RY SHEET	OF			
I. LOAD INFORM Load 1: Date of Shipment /J//8/67 Truck/Tractor Regist	IATION: 5 T tration: 7 UMUL	Signatiure of Transporter R Clobel M Time of Shipment: 11 40 D Trailer Registration (if any): TI 39016	AM	Receiving Facility/Temporary S	torage Representative:	I AM DOM
Load 2: Sig Date of Shipment: Edduc for Truck/Tractor Regis	inatiure of Tran	nsporter Representative: Iche Incl Time of Shipment: 7:10 Trailer Registration (if any): T139016	_ам 🗌 РМ	Receiving Facility/Temporary ESM/K.S) Date of Receipt: 12/19/07 Load Size (cu. yds/tons):	Storage Representative: n.K Time of Receipt: 8, 27 39, 61	Dan 🗆 PM
Load 3: Sig Date of Shipment: 2-19/6- Truck/Tractor Regis AR 2-77	gnatiure of Trai	nsporter Representative: John Fried Time of Shipment: Trailer Registration (if any): T 1 3 9 0 1 6	_ам [] РМ	Receiving Facility/Temporary Date of Receipt: IHIG(U Load Size (cu. yds./on5);	Storage Representative: OUP Time of Receipt: I F. Ho 39.24	AM DOM
Load 4: Sig Date of Shipment:	gnatiure of Tra 7 stration:	nsporter Representative: Coldwel And Time of Shipment 6.45 Part Trailer Registration (if any) T1390/6	-ам 🗋 РМ :	Reactiving Facility/Temporary Oale of Receipt I H H H H H Load Size (cu. yds./log(5);)	Slorage Representative: Time of Receipt: S',HY 33 (08	Дая́м́ □ РМ
Load 5: Sig M & Y-MO Date of ShipmenL IJ-J211 Truck/Tractor Regin AR277	gnatiure of Tra か 67 istration: <u>Ч л М</u> о	insporter Representative: Oblive Find Time of Shipment: 7:15 Trailer Registration (if any) T139016	Нам 🗀 рм):	Receiving Facility/Temporar	y Storege Representative Time of Receipt: 1 Di	e: AM [] PM
Load 6: Si Dale of Shipment Truck/Tractor Regi	ignatiure of Tra istration:	ansporter Representative: Time of Shipment: Trailer Registration (if any) ам 📋 РМ):	Receiving Facility/Temporar Date of Receipt Load Size (cu. yds./tons):	ry Storage Representativ Time of Receipt:	e:
J. LOG SHEET VOLUME INFORMATION: Total Volume Recorded This Page (cu. yds frons) 190.54 Total Carried Forward (cu. yds frons): Total Carried Forward and This Page (cu. yds flons):						

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Massachusetts Department of Environmental Protection BWSC					BWSC-012B		
	BILL OF	LADING (pursi	uant to 310 C	SMR4	0.0030)	Releas	e Tracking Number
	SUMMAR						
Lond A	ند مشتر ATION	Signature of Transpor	ter Representativ	ve: (Receiving Facility/Temporary	Storage Representative:	
Date of Shinment		Sma of Shinmont			BMP	10agre	·
12-18-0		niae of Shipment			Date of Receipt:	Time of Receipt:	
Truck/Tractor Registr	ration: 7	railer Registration (if a	any):	РМ	H180	1:09	
5597,	5	VINT)		Load Size (cu. yds tons)	36.35	
Load 2;	natiure of Trai	nsporter Representation	re:	Г 	Receiving Facility/Tempora	ry Storage Representativ	e:
J. hr				į	FSAL I	ACOURN	[
Date of Shipment:		Time of Shipment:		1	Dale of Receipt:	Time of Receipt:	
12-19-0	~ >		AM	PM ¦	1 ki chan		
Truck/Tractor Registr	ralion:	Trailer Registration (if	any):	1	10/19/01		
5002		41857		1	Load Size (cu. yds Jory):	38.72	
Load 3: 1 Sigr	natiure of Tra	nsporter Representali	Ve;		Receiving Eaclity/Tampers	ry Storane Bearecentativ	p.
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Date of Shipment:		Time of Shipment:		1	Dale of Receipt:	Way	
12-21-	0)		AM	PM I			
Truck/Tractor Regist	tration:	Trailer Registration (if	any):		121 20102	8.54	
5587	3	418>	7		Load Size (cu. yds./to s):	35 810	
Load 4: Sign	natiure of Tra	nsporter Representati	ve:	1	Receiving Facility/Tempora	ry Storage Representativ	
				i	, to as in , g t a compile in perio	.,	•.
Date of Shipment:		Time of Shipment:		1	Dale of Receipt	Time of Receipt:	
			AM	PM			🔄 AM 🗌 PM
Truck/Tractor Regist	tration:	Trailer Registration (il	апу);	I			
				i	Load Size (cu. yds./tons):		
Load 5: Sig	natiure of Tra	Insporter Representat	ive!		Receiving Facility/Tempor	rary Slorage Representati	ve:
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Date of Shipment:		Time of Shipment:			Date of Receipt:	Time of Receipt	
			AM	PM			AM DPM
Truck/Tractor Regis	stration:	Trailer Registration (i	fany);	1			
				1	Load Size (cu. yds./tons):		
Load 6: Sig	gnatiure of Tr	ansporter Representa	live:		Receiving Facility/Tempo	rary Storage Representat	ive:
Date of Shinment		Time of Shinmast			I I	_	
		The of Shiphene	Пам П	PM	₁ Date of Receipt: 1	Time of Receipt:	AM PM
Truck/Tractor Regis	stration:	Trailer Registration (i	fany):		1		
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Massachusetts Department of Environmental Protection BWSC-012B Bureau of Waste Site Cleanup				
BiLL	OF LADING (pursuant to 310 CMR	40.0030) Release Tracking Number		
DEP SUM	MARY SHEET OF			
I. LOAD INFORMATION Load 1: Date of Shipment: /	Signatiure of Transporter Representative:	Receiving Facility/Temporary Storage Representative: Date of Receipt: Time of Receipt: HOO Load Size (cu. yds. (ons)) 20.93		
Load 2: Signatione of	of Transporter Representative:	Receiving Facility/Temporary Storage Representative:		
Date of Shipment:	Time of Shipment:	Date of Receipt Time of Receipt.		
Truck/Tractor Registration.	Trailer Registration (if any):	Load Size (cu. yds./tons):		
Load 3: Signatiure of	of Transporter Representative:	Receiving Facility/Temporary Slorage Representative:		
Dale of Shipment-	Time of Shipment:	Date of Receipt: Time of Receipt:		
Truck/Tractor Registration.	Trailer Registration (if any):	Load Size (cu. yds./tons):		
Load 4: Signatiure of	of Transporter Representative:	Receiving Facility/Temporary Storage Representative:		
Date of Shipment:	Time of Shipment:	Date of Receipt: Time of Receipt: AM C PM		
The of the of the galacter.		Load Size (cu. yds./tons):		
Load 5: Signatiure	of Transporter Representative:	Receiving Facility/Temporary Storage Representative:		
Date of Shipment:	Time of Shipment:	Date of Receipt: Time of Receipt: AM PM		
Truck/Tractor Registration:	Trailer Registration (if any):	Load Size (cu. yds./tons):		
Load 6: Signatiure	of Transporter Representative:	Receiving Facility/Temporary Storage Representative:		
Date of Shipment:	Time of Shipment:	Dale of Receipt: Time of Receipt: AM PM		
Truck/Tractor Registration:	Trailer Registration (if any):	Load Size (cu. yds./tons):		
J. LOG SHEET VOLUME INFORMATION: Total Volume Recorded This Page (cu. yds. (ons) 20, 93 Total Carried Forward (cu. yds./tons): Total Carried Forward and This Page (cu. yds./tons):				

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	Massachusetts Depa Bureau of Waste Site	riment of Environm Cleanup	iental Protecti	on Bi	WSC-012B
	BILL OF LADING (pursu	ant to 310 CMR 40.0030))	Release 7	facking Number
DEP	SUMMARY SHEET	QF		<u>_</u>	
I. LOAD INFORMA Load 1: Date of Shipmont ノンノンノクワ Truck/Tractor Registra なみらすて	ATION: Signatiure of Transport The of Shipment ation: Traker Registration (if a 839 5 8	AM PM	e (cu. yds.nopsi:)	Titre of Receipt	₽ /
Load 2: Signu	alitite of Transport of Representation	. Receivi	ng Facility/Temporary S	ilorage Representative.	
Date of Shipment:	Time of Shipmont:	Dale of	Receipt:	Time of Receipt	🗋 ам 门 рм
Truck/Tradier Registra	Blon: Trader Registration (if d	ny) Load S	lze (Cr. yds,Aons).		
Load 3: Sign	abure of Transporter Representativ	e Recent	NO Facility/Temporary S	ilorage Reprotentative.	
Date of Shipment:	Time of Shipmunt:	C AM PM	Racelpt:	Time of Receipt:	АмРм
		Load \$	ize (cu. yds./ions):		
Load 4: Sign	atiure of Transporter Representativ	e: Receive	ng Facility/Temporary S	ilorage Representative.	
Date of Shipment:	Time of Shipment:	Date of	Roceipt	Time of Receipt:	□ AM
Huco Hocus Regist		iny). Load Ş	uze (cu. yds./tons):		
Load 5; Sign	allure of Transporter Representation	e' Recel	ving Facility/Temporary	Storage Representative	x
Date of Shipment	Time of Shipment:		Receip:	Time of Receipt:	🗋 AM 🔲 Ph
Truck/Tractor Registr	ration: Trailer Registration (if	any): Loaot≤	ize (Dr. yds.flons):		
Load 5: Sign	natium of Transporter Representati	re: Rece	nong Facility/Temporary	Storage Representative	e:
Date of Shipment:	Time of Shipment:	AM DPM	l Receipt	Time of Rocalpt:	🗋 AM 🛄 PI
Truck/Tracion Registr	ration: Trailor Registration (if	any): Load S	ize (cu. yds,ñons):		
J. LOG SHEET VOLUME INFORMATION: Total Volume Recorded This Page (cu. ydsoforfe) (- () Total Carried Forward (cu. yds.Apris): Total Carried Forward and This Page (cu. yds.Apris):					
Deviced 10/3/94					Direct of

Page 1 of 1

	Massachu Bureau of	BWSC-012C		
D E P	BILL OF LA	ADING (pursuant to 310 CM SHEET OI	Release Tracking Number $3 - 0342$	
K. SUMMARY OF Date of Sh	Daily Volume Shipped (Corpute Jtons):			
11-9-0	γ	11-9-07	6	219.79
Summary Sheet Total Shipped:			6	219.79 tous
Bill of Lading Total Shipped (only if different):				

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	Massachu Bureau of	setts Department of Er Waste Site Cleanup	BWSC-012C	
D E P	BILL OF LA	NDING (pursuant to 310 CMR 4)	Release Tracking Number	
K. SUMMARY O Date of St	SUMMARY OF SHIPMENTS: Date of Shipment: Date of Receipt: Number of Loads Shipped:			Daily Volume Shipped
11-13-0	507	11-13-2007	6	23141
11-16.A	007	11-16-2007	6	214.64
	Summary	Sheet Total Shipped:	12	446.05 tons
Bill of Lading Total Shipped (only If different):				

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	Massachu Bureau of V	setts Department of En	BWSC-012C		
D E P	BILL OF LA	DING (pursuant to 310 CMR 4 SHEET OF _	Release Tracking Number		
K. SUMMARY O Date of St	K. SUMMARY OF SHIPMENTS: Date of Shipment Date of Receipt: Number of Loads Shipped:				
11-21-0	<u>ר</u> כ	11-21-07	6	2338)	
	Summary	Sheet Total Shipped:	6	233.87tons	
	Bill of Lad (only if dif	ing Total Shipped fferent):			

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Massachu Bureau of	usetts Department of En Waste Site Cleanup	BWSC-012C	
BILL OF L	ADING (pursuant to 310 CMR 4	0.0030)	Release Tracking Number
DEP SUMMARY	SHEET OF		
K. SUMMARY OF SHIPMENTS Dete of Shipment:	: Date of Receipt:	Number of Loads Shipped:	Daily Volume Shipped (curyda(tons):)
12-17-2007	12-17-2007		91.57
12-18-2007	12.18.2007	13	41.64
19-12-2001	12-19-000	<u> _l</u> ∡	915.30
B-90.9001	12-20.200		40.38
12-21-2001	[2-21-200]		dd1.2
	Shoot Tatal Shinnadi		
Summary	олеестова опррев:	54	1234 CO 605
Bill of Lac (only if d	ding Totel Shipped ifferent):	SOBMITTAL S	2,134.3 tom

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	Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup	BWSC-012C
	BILL OF LADING (pursuant to 310 CMR 40.0030	Release Tracking Number
5.00 C	SUMMARY SHEET	
ONEY CO	MPLETE ONE COPY OF THIS PAGE AND ATTACH TO THE FINAL COPY OF THE	SUMMARY SHEET.
L. ACKNOWLED	GMENT OF RECEIPT OF REMEDIATION WASTE AT RECEIVING FACILITY OR TEM	PORARY STORAGE:
Receiving Fecility/Tes	Angela Gagnel	MAnage/
Signature:	Mala Agene Date: 12-21	0-2007
	OGMENT OF SHIPMENT AND RECEIPT OF REMEDIATION WASTE BY PERSON	
CONDUCTIN	G RESPONSE ACTION ASSOCIATED WITH THIS BILL OF LADING:	
I certify under panalt documents accompa material information penalties, including,	es of law that I have personally examined and am familiar with the information contained in this submit nying this certification, and that, based on my inquiry of those infividuals immediately responsible for o contained in herein is, to the best of my knowledge and belief, the, accurate and complete, i am aware but not limited to, possible fines and imprisonment, for willfully submitting false, inaccurate, or incomplete A	al, including any and all iotabring the Information, the that there are significant ate information.
Signature:	Miller Date: 01/16	2008
Name of Person (pri	MICHELE V. LEONE	

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