

RELEASE ABATEMENT MEASURE COMPLETION REPORT

**89 COMMERCIAL STREET
MALDEN, MASSACHUSETTS**

RELEASE TRACKING NUMBER 3-0362
August 2010

Prepared For:



National Grid
40 Sylvan Road
Waltham, MA 02154

Prepared By:



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

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Prepared for: National Grid
40 Sylvan Road
Waltham, Massachusetts 02451

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25 Spring Street
Walpole, Massachusetts 02081

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 Completion Report Plan

Soil Excavation 89 Commercial Street Street Malden, Massachusetts

Release Tracking Number: 3-0362

Pursuant to the Massachusetts Contingency Plan (MCP) (310 CMR 40.0000), this Release Abatement Measure (RAM) Completion Report has been prepared by Innovative Engineering Solutions, Inc. (IESI) on behalf of Massachusetts Electric Company d/b/a National Grid (National Grid). This RAM Completion Report presents the activities that were conducted at the 89 Commercial Street property in Malden, Massachusetts to monitor construction and manage soil during the excavation and subsequent paving of a landscaped area on the property by the current tenant. Refer to Figure 1 for a Site Locus and Figure 2 for a Site Plan of the property.

The 89 Commercial Street property is part of the former Malden manufactured gas plant (MGP) Site that is listed by the Massachusetts Department of Environmental Protection (MassDEP) as a disposal site as defined by the Massachusetts Contingency Plan (MCP, 310 CMR 40.0000). The MassDEP assigned Release Tracking Number (RTN) 3-0362 to the Malden MGP Site. Figure 2 depicts the location of the RAM Area in relation to the disposal site boundary of the former MGP. The former Malden MGP Site has achieved a Temporary Solution and a Class C Response Action Outcome Statement has been submitted to the MassDEP.

The content of this RAM Completion Report has been structured to address the specific information requirements set forth in 310 CMR 40.0446 (4)(a) through (f). The RAM Transmittal Form (Form BWSC-106) was submitted, along with this RAM Completion Report and supporting documentation, electronically via the eDEP website.

310 CMR 40.0446 (4)(a) a description of the release or threat of release, site conditions, and surrounding receptors;

The landscaped area excavation activities are being conducted as a RAM because these activities are being conducted within the known site boundary of RTN 3-0362. The site is listed due to the presence of compounds in the soil and groundwater associated with former MGP operations at the property. This site has achieved a Temporary Solution and a Class C Response Action Outcome Statement has been submitted to the MassDEP.

The information presented below describing the release, site conditions and surrounding receptors, as it relates to the 89 Commercial Street property, was gathered during response actions previously completed at the disposal site as presented in the December 2001 report entitled *Report on Phase II Comprehensive Site Assessment* (Phase II Report), the June 2003 Phase III Remedial Action Plan (Phase III Report) and the February 2004 Class C p-RAO, all of which were prepared by Haley and Aldrich, Inc. (H&A); and the February 2009 *Five-Year Periodic Review of Temporary Solution for Partial Class C Response Action Outcome Statement* by IESI.

Description of the Release

As previously stated, the subject property is part of a larger disposal site. An MGP operated for over 120 years on the larger disposal site, generating raw gas using oil and coal as feedstock, purifying the raw gas on site, and processing the waste materials from the generation and purification processes. Figure 3

depicts the historical MGP operational features. As a result of the MGP operations, coal tar and other residual wastes associated with MGP operations are present in the subsurface. The following subsections describe the subsurface conditions at the 89 Commercial Street property.

Site Conditions

The property is generally paved and relatively flat; the ground surface rises steeply to the west of the property, where active railroad tracks for the Massachusetts Bay Transit Authority (MBTA) are located. The existing single-story concrete block building was vacant for 3+ years and is currently being renovated to house a sports training complex (i.e., baseball/softball batting cage and instruction):

- West of the property is the MBTA railroad tracks and, beyond the railroad tracks, an athletic field which is part of the City-owned Callahan Park.
- East of the property is Commercial Street and a National Grid (formally KeySpan) operations facility.
- North of the property is a liquor store, and
- South of the property is a building that is occupied by commercial/light industrial businesses.

The Phase II Report indicated that subsurface investigations were conducted at this property (1997 through 2000), which included drilling 4 soil borings (97A-B608-OW, 97A-B609, 97A-B610-OW, 97A-B611), installing monitoring wells in two of the borings (97A-B608-OW and 97A-B610-OW), collecting soil and groundwater samples for laboratory analysis, and gauging monitoring wells. Based on this information, it appears the property is underlain to approximately 11.5 feet to 15 feet below grade with urban fill that contains primarily slag, cinders, sand, and gravel. An organic silt/peat layer is located below this fill layer and is 1.5 feet to 3 feet thick. Groundwater is present in monitoring wells on site at approximately 7 feet below grade. The shallow groundwater appears to flow toward the culverted Malden River in the northern portion of the property.

Dense Non-Aqueous Liquids (DNAPL) were observed in monitoring well 97A-B610-OW during the gauging conducted by H & A in 1997 through 1999 and also by IESI in November 2006, February 2009, and July 2010. The DNAPL thickness has ranged from 0.1 feet to 0.6 feet.

The soil borings indicate that coal tar saturated soils were observed in the subsurface. The coal tar saturated soils were observed from 11.5 feet to 12.5 feet below grade in 97A-B608-OW, 9 feet to 13 feet below grade in 97A-B610-OW, and 12 feet to 15 feet below grade in 97A-B611B.

A human health risk characterization was conducted for the former MGP site and included in the Phase II Report. As part of the risk characterization, the subject property was included in the terrestrial portion of the site. The risk characterization concluded that for current site uses, a condition of No Significant Risk of harm to human health exists at the property. However, a condition of No Significant Risk to public welfare cannot be demonstrated for the subject property due to the presence of UCL exceedences (i.e., DNAPL in the subsurface greater than 1/2 -inch and concentrations of chrysene in the deeper soil obtained from 97A-B608B-OW). A condition of No Significant Risk to public safety exists for the site.

More recently, once National Grid learned of the tenant's intention to install a patio on the leased property, IESI was requested to collect a sample of soil from the area designated for shallow excavation. On June 14, 2010, IESI personnel collected a composite sample from the planned patio area and submitted the samples, under a signed chain of custody, to Groundwater Analytical, Inc. of Buzzards Bay, Massachusetts. The soil samples were analyzed for Volatile and Extractable Petroleum Hydrocarbons (VPH and EPH) via MassDEP Methods, VOC via EPA Method 8260, polycyclic aromatic hydrocarbons (PAH) via EPA Method 8270, RCRA 8 Metals (various EPA Methods), total Cyanide,

Physiologically Available Cyanide, polychlorinated biphenyls (PCBs), Sulfur Content, Ignitability and Reactivity. Based on the detected lead concentration (220 milligrams per kilogram (mg/kg)), TCLP lead analysis was requested by the potential receiving facility. The laboratory data was included in the RAM Plan.

In general, the soil exhibited the characteristics of an urban fill; however, because of its presence within the boundary of the former MGP site and the PAHs present within the soil at concentrations exceeding reportable concentrations, the soil was managed as a remediation waste once excavated.

Surrounding Receptors

The residential population within a one-half mile radius of the property is estimated at greater than 15,000 people. No institutions, as defined by 310 CMR 40.0006, are located within 500 feet of the property.

According to MassGIS, except for the culverted Malden River, no other surface water bodies, including wetlands, vernal pools, ponds, lakes, streams, rivers, Outstanding Resource Waters, and reservoirs, are located within 500 feet of the site. In addition, there are no Areas of Critical Environmental Concern, habitats for Species of Special Concern or Threatened or Endangered Species, within 500 feet of the property.

The site is not located within any Current or Potential Drinking Water Source Areas as defined by 310 CMR 40.0006. Drinking water is supplied to the area by the Massachusetts Water Resource Authority (MWRA). The property is located in a medium yield Non-Potential Drinking Water Source Area. Callahan Park, a protected open space is located west of the property beyond the elevated MBTA railroad tracks from the 89 Commercial Street property. Callahan Park is part of the disposal site; response actions have been conducted at Callahan Park and have achieved a Class A-3 RAO. As part of the Class A-3 RAO, a Grant of Environmental Restriction has been recorded for Callahan Park. Another protected open space associated with the City of Malden is located approximately 500 feet northeast of the property.

310 CMR 40.0446 (4)(b) a description of the Release Abatement Measure completed at the disposal site, including work undertaken in response to any conditions of approval imposed by the Department;

The objective of the RAM Plan was to monitor construction and manage soil during excavation of the landscaped area. The estimated 18 feet long by 18 feet wide patio area was excavated with a rubber-tire backhoe to approximately one foot below surface grade. Approximately 7 cubic yards of soil were excavated during the activities. The excavated soil was loaded directly into a dump truck and immediately transported to the Environmental Soil Management, Inc. (ESMI) thermal desorption facility located in Loudon, New Hampshire for thermal treatment and recycling. A copy of the Bill of Lading used to transport the material to ESMI is included as Appendix A. This submittal of the completed BOL as part of the RAM Completion is intended to satisfy the requirement of 310 CMR 40.0034 (5). This work was started and completed on August 2, 2010.

310 CMR 40.0446 (4)(c) all investigatory and monitoring data obtained during the implementation of the Release Abatement Measure;

The work associated with this RAM was conducted in accordance with the site specific Health and Safety Plan which was included as part of the RAM Plan. In accordance with the Health and Safety Plan, routine monitoring of the ambient air for total volatile organics was conducted with a photoionization

detector (PID) during the RAM. The PID was calibrated with a 100 parts per million (ppm) isobutylene reference standard to respond as benzene. There were no PID responses observed greater than background during the excavation. No visible dust was observed during the limited excavation activities.

310 CMR 40.0446 (4)(d) a succinct statement of findings and conclusions resulting from implementation of the Release Abatement Measure, including a statement as to whether the objectives of the Release Abatement Measure have been met;

The objective of this RAM was to monitor, manage, and dispose of the excess soil generated during the excavation and subsequent paving of a small (18 feet by 18 feet) landscaped area near the southeast corner property. This objective was accomplished by completing the work in accordance with the RAM Plan as described above.

310 CMR 40.0446 (4)(e) details and documentation on the management of any Remediation Waste, Remedial Wastewater and/or Remedial Additives managed at the site as part of the Release Abatement Measure;

As indicated above, a total of 9.98 tons of Remediation Waste (i.e., soil) were generated as part of the RAM activities and subsequently transported to ESMI on August 2, 2010 for thermal treatment and recycling. A copy of the completed BOL is included as Appendix A.

310 CMR 40.0446 (4)(f) a description of any ongoing activities related to the Release Abatement Measure that will be conducted at the disposal site, including monitoring activities, and the maintenance of fences, caps, and other passive systems.

No further activities associated with this RAM will be conducted at the site.

If additional information is needed or questions regarding this plan arise, please contact Michael Lotti by telephone at (508) 668-0033 x 231 or by email at m.lotti@IESIonline.com.



Innovative Engineering Solutions, Inc.
25 SPRING STREET
WALPOLE, MASSACHUSETTS 02081
(508) 668-0033

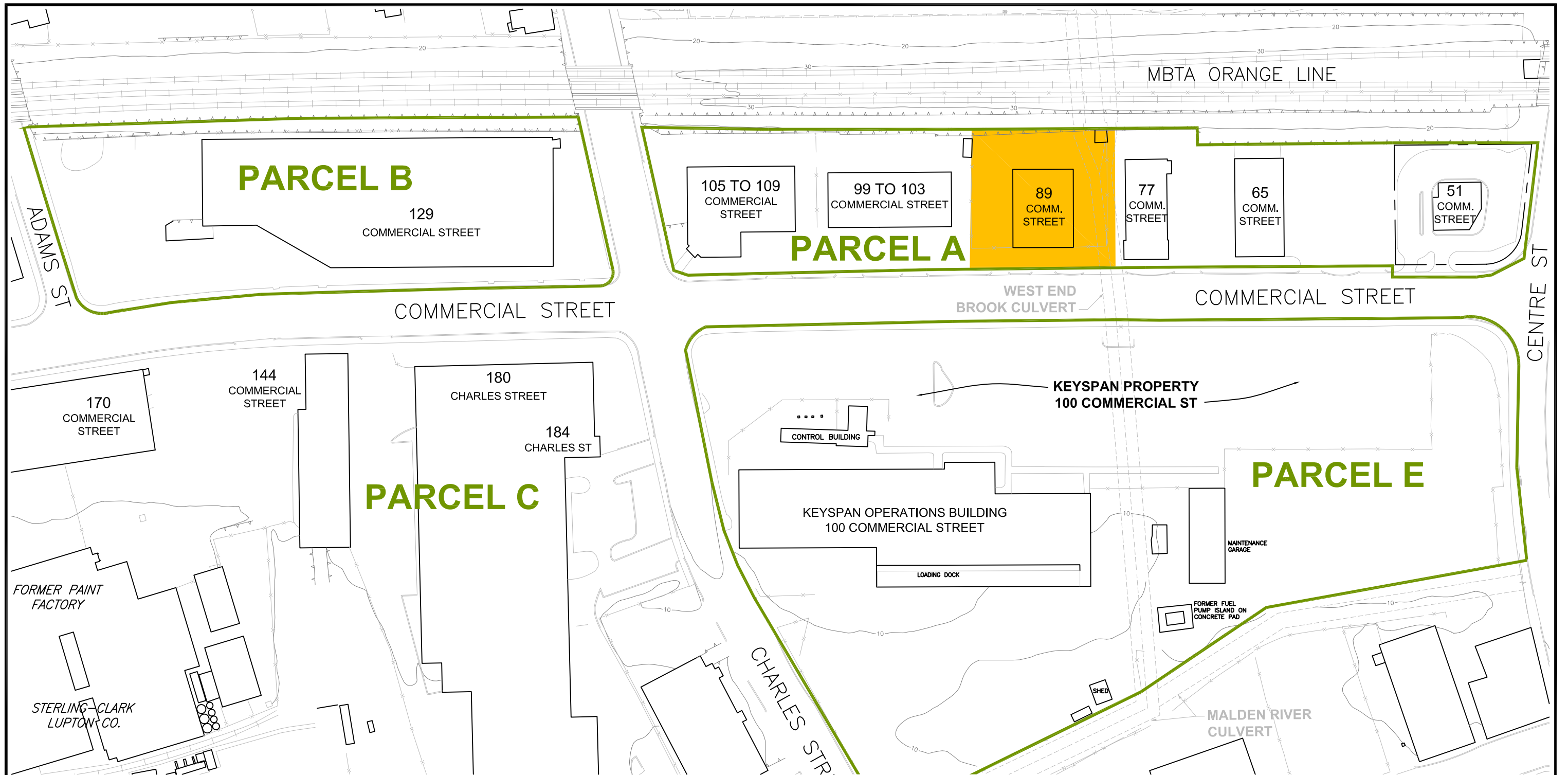
0 2000

SCALE IN FEET
1:24000

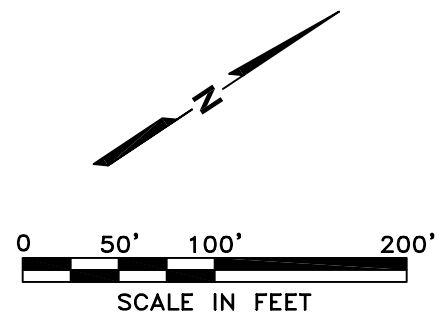
SITE LAT/LONG: 42°25'30"N 71°04'30"W
UTM: 329,298E 4,699,051N ZONE 19
USGS Topographic Map:
Boston North, Massachusetts 1991

FIGURE 1
SITE LOCATION MAP

Former Malden MGP Site
Malden, Massachusetts



 **APPROXIMATE RAM AREA**



THIS PLAN BASED ON THE SITE PLAN DATED DECEMBER 2001
BY HALEY & ALDRICH, INC.

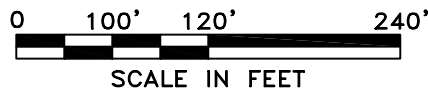
HALEY & ALDRICH, INC. NOTES:

1. BASE PLAN ADAPTED FROM "TOPOGRAPHIC WORKSHEET OF THE MANUFACTURED GAS PLANT, MALDEN, MA" FOR MASSACHUSETTS ELECTRIC COMPANY, WESTBOROUGH, MA, BY EASTERN TOPOGRAPHICS, WOLFEBORO, NH, SHEETS 1 AND 2, AT A SCALE OF 1 IN. EQUALS 40 FT., JUNE 1995, AND CITY OF MALDEN ASSESSOR'S PLAN SHEET NO. 53, BY FAY, SPOFFORD & THORNDIKE, INC., BOSTON, MA, AT A SCALE OF 1 IN. EQUALS 40 FT., UPDATED JUNE 1976 AND REVISED 30 JULY 1979.



Innovative Engineering Solutions, Inc.
25 SPRING STREET
WALPOLE, MASSACHUSETTS 02081
(508) 668-0033

TITLE				
RAM AREA				
SITE				
FORMER MALDEN MGP SITE				
CLIENT				
NATIONAL GRID				
DRAWN	CHECKED	FILENAME	DATE	FIGURE
DMR	ML	NG MALDEN JULY 2010	7/14/10	2

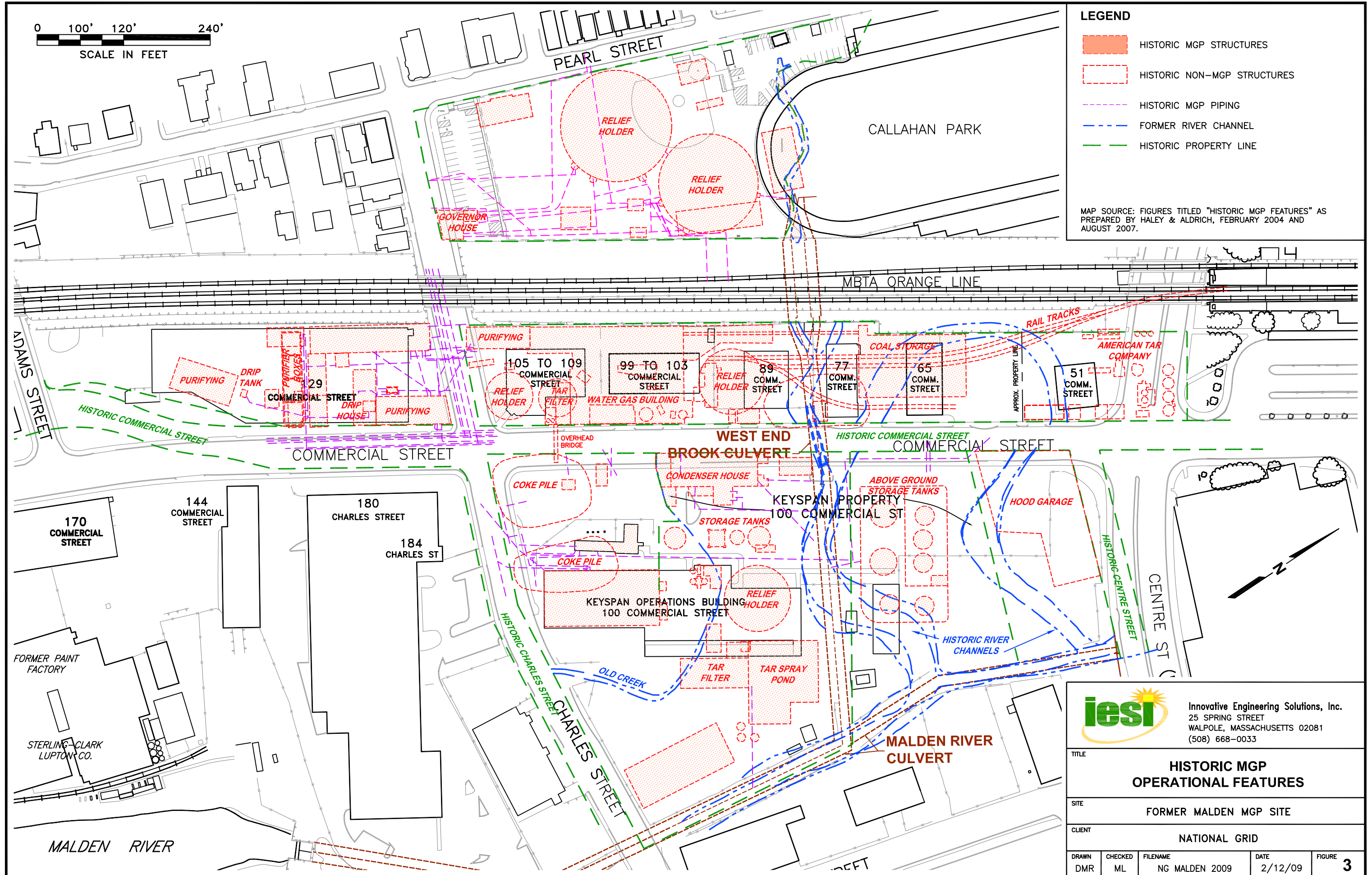


SCALE IN FEET

LEGEND

- HISTORIC MGP STRUCTURES
- HISTORIC NON-MGP STRUCTURES
- HISTORIC MGP PIPING
- FORMER RIVER CHANNEL
- HISTORIC PROPERTY LINE

MAP SOURCE: FIGURES TITLED "HISTORIC MGP FEATURES" AS PREPARED BY HALEY & ALDRICH, FEBRUARY 2004 AND AUGUST 2007.



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TITLE HISTORIC MGP OPERATIONAL FEATURES				
SITE FORMER MALDEN MGP SITE				
CLIENT NATIONAL GRID				
DRAWN DMR	CHECKED ML	FILENAME NG MALDEN 2009	DATE 2/12/09	FIGURE 3

APPENDIX A

COPY OF COMPLETED BILL OF LADING



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC-012A

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number*

3 - 0362

A. LOCATION OF SITE OR DISPOSAL SITE WHERE REMEDIATION WASTE WAS GENERATED:

Release Name (optional): Former Malden MGP Site

Street: 89 Commercial Street

Location Aid: _____

City/Town: Malden

ZIP Code: 02148

Date/Period of Generation: 08/02/2010 to: 08/02/2010

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 BILL OF LADING:

Name of Organization: National Grid

Name of Contact: Michele Leone

Title: Manager, SIR New England

Street: 40 Sylvan Road

City/Town: Waltham

State: MA

ZIP Code: 02154

Telephone: (781) 907-3651

Ext.: _____

C. RELATIONSHIP TO RELEASE OF PERSON CONDUCTING RESPONSE ACTION ASSOCIATED WITH BILL OF LADING:

☒ RP or PRP Specify: ☒ Owner ☐ Operator ☐ Generator ☐ Transporter Other RP or PRP: _____

☐ Fiduciary, Secured Lender or Municipality with Exempt Status (as defined by M.G.L. c. 21E, s. 2)

☐ Agency or Public Utility on a Right of Way (as defined by M.G.L. c. 21E, s. 5(j))

☐ Other Person: _____

If an owner and/or operator is not conducting the response action associated with the Bill of Lading, provide on an attachment the name, contact person, address and telephone number, including any area code and extension, for each, if known.

D. TRANSPORTER OR COMMON CARRIER INFORMATION:

Transporter/Common Carrier Name: T Ford Company, Inc.

Contact Person: Jack Enos

Title: Vice President

Street: 118 Tenney Street

City/Town: Georgetown

State: MA

ZIP Code: 01833

Telephone: (978) 352-5606

Ext.: _____

E. RECEIVING FACILITY/TEMPORARY STORAGE LOCATION:

Operator/Facility Name: Environmental Soil Management, 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.: _____

Type of Facility: ☐ Asphalt Batch/Cold Mix

☐ Landfill/Disposal

☐ Incinerator

☐ Temporary Storage

(check one) ☐ Asphalt Batch/Hot Mix

☐ Landfill/Daily Cover

☐ Other: _____

☒ Thermal Processing

☐ Landfill/Structural Fill

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): NA to: _____

Reason for Temporary Storage: _____



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC-012A

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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
☐ Inorganic Absorbant Materials ☐ Other: _____
- ☐ 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 Oil
☐ Kerosene ☐ Jet Fuel ☒ Other: MGP type waste

Estimated Volume of Materials: Cubic Yards: 15 Tons: _____ Other: _____

Contaminant Source (check one/specify): ☐ Transportation Accident ☐ Underground Storage Tank ☒ Other: Historic Fill

Response Action Associated with Bill of Lading (check one): ☐ Immediate Response Action ☒ Release Abatement Measure
☐ Utility-Related Abatement Measure ☐ Limited Removal Action (LRA) ☐ Comprehensive Response Action

Remediation Waste Characterization 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 connection with what document such information was previously submitted to DEP.

G. LICENSED SITE PROFESSIONAL (LSP) OPINION:

Name of Organization: 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),

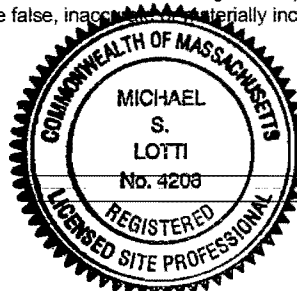
to the best of my knowledge, information and belief, the assessment actions undertaken to characterize the Remediation Waste which is (are) the subject of this submittal for acceptance at the facility identified in this submittal comply with the applicable provisions of 310 CMR 40.0000, and such facility is permitted to accept Remediation Waste having the characteristics described in this submittal. I am aware that significant penalties may result, including, but not limited to, possible fines and imprisonment, if I submit information which I know to be false, inaccurate, or materially incomplete.

LSP Signature: _____

Seal:

Date: July 27, 2010

License Number: 4208





Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC-012A

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number*

3

-

0362

H. CERTIFICATION OF PERSON CONDUCTING RESPONSE ACTION ASSOCIATED WITH THIS BILL OF LADING:

I certify under penalties of law that I have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this certification, and that, based on my inquiry of those individuals immediately responsible for obtaining the information, the material information contained herein is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties, including, but not limited to, possible fines and imprisonment, for willfully submitting false, inaccurate, or incomplete information.

Signature: _____

Michele V. Leone

Date: July 24, 2010

Name of Person (print): _____

Michele V. Leone



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

OF

3 - 0362

I. LOAD INFORMATION:		Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Load 1:	<i>Tim Tworrey</i>			<i>ESM / McLaughlin</i>	
Date of Shipment:	8/02/10	Time of Shipment:	2:30	Date of Receipt:	8/2/10
			<input type="checkbox"/> AM <input checked="" type="checkbox"/> PM		2:26
					<input type="checkbox"/> AM <input checked="" type="checkbox"/> PM
Truck/Tractor Registration:	MA 70639	Trailer Registration (if any):		Load Size (cu. yds./tons):	9.98
Load 2:		Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Date of Shipment:		Time of Shipment:	<input type="checkbox"/> AM <input type="checkbox"/> PM	Date of Receipt:	
					<input type="checkbox"/> AM <input type="checkbox"/> PM
Truck/Tractor Registration:		Trailer Registration (if any):		Load Size (cu. yds./tons):	
Load 3:		Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Date of Shipment:		Time of Shipment:	<input type="checkbox"/> AM <input type="checkbox"/> PM	Date of Receipt:	
					<input type="checkbox"/> AM <input type="checkbox"/> PM
Truck/Tractor Registration:		Trailer Registration (if any):		Load Size (cu. yds./tons):	
Load 4:		Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Date of Shipment:		Time of Shipment:	<input type="checkbox"/> AM <input type="checkbox"/> PM	Date of Receipt:	
					<input type="checkbox"/> AM <input type="checkbox"/> PM
Truck/Tractor Registration:		Trailer Registration (if any):		Load Size (cu. yds./tons):	
Load 5:		Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Date of Shipment:		Time of Shipment:	<input type="checkbox"/> AM <input type="checkbox"/> PM	Date of Receipt:	
					<input type="checkbox"/> AM <input type="checkbox"/> PM
Truck/Tractor Registration:		Trailer Registration (if any):		Load Size (cu. yds./tons):	
Load 6:		Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Date of Shipment:		Time of Shipment:	<input type="checkbox"/> AM <input type="checkbox"/> PM	Date of Receipt:	
					<input type="checkbox"/> AM <input type="checkbox"/> 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): 9.98			
		Total Carried Forward (cu. yds./tons):			
		Total Carried Forward and This Page (cu. yds./tons): 9.98			



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC-012C

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

3 - 0362

ONLY COMPLETE ONE COPY OF THIS PAGE AND ATTACH TO THE FINAL COPY OF THE SUMMARY SHEET.

L. ACKNOWLEDGMENT OF RECEIPT OF REMEDIATION WASTE AT RECEIVING FACILITY OR TEMPORARY STORAGE:

Receiving Facility/Temporary Storage Representative (print):

Esther Angela Leagne

Title:

Office Manager

Signature:

Quyll Haege

Date:

8-9-10

M. ACKNOWLEDGMENT OF SHIPMENT AND RECEIPT OF REMEDIATION WASTE BY PERSON
CONDUCTING RESPONSE ACTION ASSOCIATED WITH THIS BILL OF LADING:

I certify under penalties of law that I have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this certification, and that, based on my inquiry of those individuals immediately responsible for obtaining the information, the material information contained in herein is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties, including, but not limited to, possible fines and imprisonment, for willfully submitting false, inaccurate, or incomplete information.

Signature:

M. Leone

Date:

08/16/2010

Name of Person (print):

MICHAEL LEONE