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Lowell, MA 01854

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978.453.1995 FAX

www.TRCSolutions.com

SCANNED

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OCT 10 2007

TRC Reference Number: 116474

DEP  
NORTHEAST REGIONAL OFFICE

October 9, 2007

Libby Sabounjian, Chairman  
Wilmington Board of Health  
121 Glen Road  
Wilmington, Massachusetts 01887

Subject: Phase III Remedial Action Plan (RAP) Addendum II,  
Modified Phase IV Remedy Implementation Plan (RIP), and  
Modified Phase IV As-Built Construction & Final Inspection Report-  
Groundwater  
Remedy Operation Status Report - Summer 2007  
Site: <sup>50 FORDHAM RD</sup> Former GE Facility (RTN# 3-0518) *U/A*  
Wilmington, Massachusetts

Dear Ms Sabounjian:

In accordance with the Public Notification Procedures of the Massachusetts Contingency Plan, 310 CMR 40.1403(e), TRC Environmental Corporation (TRC) is notifying you of the completion and submittal of the Subject documents listed above for the Former GE Facility located at 50 Fordham Road, Wilmington, Massachusetts.

Response actions for the Modified RIP were limited to site groundwater impacted by chlorinated VOCs. The remedial action goals for groundwater cleanup are the MCP Method 1 GW-1 standards. These goals have not changed from the previous Phase IV RIP.

The general remedial action plan for groundwater in the original RIP included groundwater extraction and treatment, in-situ bioremediation, and a possible Grant of Environmental Restriction as an institutional control. The change in conceptual plan relates solely to the in-situ component of the remedy. The in-situ bioremediation technology proved to be infeasible for a full-scale operation. Therefore, a different in-situ technology has been selected to be implemented in the former source area instead of

bioremediation. The new in-situ component of the remedy is delivering emulsified zero valent iron to the bedrock source area.

The Modified Phase IV reports were completed in accordance with 310 CMR 40.0870 for Phase IV response actions. The report documents all actions taken that led to the selection and implementation of a new Site remedial action alternative. This new alternative appears to be superior to the original selected Site remedial action alternative.

Continued actions will be based on those detailed in the alternative. These actions will be long-term and TRC will continue to operate the existing groundwater extraction and treatment system.

The Subject reports are located at the public repository:

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Reading Public Library  
64 Middlesex Ave  
Reading, MA 01867  
(781) 944-0840

Should you have any questions or comments, please feel free to call our office.

Sincerely,



---

Kenneth Cormier, P.G., CHMM  
Senior Environmental Geologist



---

Paola E. Macchiaroli, Ph.D.  
Senior Project Manager

Enclosure

cc: Bruce Hoskins, LSP  
Michael Caira, Wilmington Town Manger  
Peter Hechenbleikner, Reading Town Manager  
Larry Ramdin, Reading Board of Health  
Greg Balukonis, North Reading Town Administrator  
Martin Fair, North Reading Health Agent  
✓ MassDEP NERO



BWSC 20 Tier 1A

SCANNED

START 8/10/99

FORMER GENERAL ELECTRIC FACILITY 3-00518

50 FORDHAM ROAD

WILMINGTON MA 01887

TA WPP 7251

Permit# 83052

LOCKHEED MARTIN CORPORATION

100 SOUTH CHARLES STREET, SUITE 1400

Baltimore, MD 21201

Dave Matsushita (410) 468-1038

~~Hoskens~~

TRC Environmental, Corp.

Boott Mills South, Foot of John Street

Fowell, MA 01852

Hoskens Bruce A. LSP 7109

(978) 656-3527

Town of Wilmington, Town Hall, 121 Glen Road

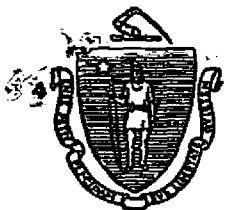
Wilmington MA 01887 Michael Carra Town Manager

Wilmington Board of Health, Town Hall, 121 Glen Road

Wilmington MA 01887 Gregory Erickson, Director

North Reading BOH, Town Hall, 235 North Street N. Reading, MA 01864  
Martin Fair, Health agent.

Town of N Reading Thomas Younger, Town Administrator

Enter your Transmittal # **W007251**

Your unique Transmittal Number can be accessed through DEP's web site or by calling the DEP InfoLine as listed on the last page of this document

**Massachusetts Department of Environmental Protection**  
**Transmittal Form for Permit Application and Payment****A. Application Information**Permit, approval or other category: **B W S C 2 0** (7 or 8 character code from first page of How to Apply Instructions, e.g. BWPAQ01, BRPWP59b, etc.)Name of Permit Category: Extension of Tier I PermitBrief Project Description: Permit to Proceed with Response Actions**B. Applicant or Legally Responsible Official**Last Name Lockheed Martin Corporation First Name \_\_\_\_\_ Middle Initial \_\_\_\_\_Address 100 South Charles Street, Suite 1400City/Town Baltimore State MD Zip Code 21201 Telephone Number 410 468-1038 ext. \_\_\_\_\_Contact Gene Matsushita FAX# (410) 468-1075**C. Facility, Site or Individual Requiring Approval**Name of Facility, Site or Individual Former General Electric FacilityAddress 50 Fordham RoadCity/Town Wilmington State MA Zip Code 01887 Telephone Number ( ) ext. \_\_\_\_\_**D. Application Prepared by (if different from Section B)**Last Name Hoskins First Name Bruce Middle Initial AAddress TRC Environmental Corporation, Bott Mills South, Foot of John StreetCity/Town Lowell State MA Zip Code 01852 Telephone Number 978 656-3527 ext. \_\_\_\_\_Contact \_\_\_\_\_ LSP Number (for 21E only) 7109**For DEP Use Only**Permit No. \_\_\_\_\_  
Rec'd Date \_\_\_\_\_  
Reviewer \_\_\_\_\_  
☐ Approved ☐ Denied  
Decision Date \_\_\_\_\_**E. Multiple Permit Project Coordination**DEP offers coordinated reviews of multiple permit projects. Check here ☐ if this application is part of a larger project for which two or more DEP permits are being or will be sought. Please indicate the project's EOE# (assigned when an Environmental Notification Form (ENF) is submitted to the Massachusetts Environmental Policy Act (MEPA) unit.)EOE# ☐ ☐ ☐ ☐ ☐Project is not subject to MEPA ☒Is this the first DEP permit application submitted for the project? ☐ yes ☒ no If no, indicate previously assigned DEP Project Code: **83052**

List the other DEP permits that apply to this project:

Permit Category	Date of Submission (tentative or actual)	Transmittal Number (if application already submitted)

**F. Amount Due****Special Provisions:**

- ☐ Fee Exempt\* (city, town or municipal housing authority) (state agency if fee is \$100 or less)  
☐ Hardship Request (payment extensions according to 310 CMR 4.04(3)(c))  
☐ Alternative Schedule Project (according to 310 CMR 4.05 and 4.10)

\*There are no fee exemptions for 21E, regardless of applicant status

Check # 1664 Dollar Amount \$ 1,200Date: 7/30/99

Make check payable to the Commonwealth of Massachusetts. Please mail check and one copy of this form to DEP, P.O. Box 4062, Boston, MA 02211

ENC 02/0789



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC 20 - Tier 1 Permit Extension Application

Pursuant to 310 CMP 40.0560(7), Tier II sites that have not achieved a Response Action Outcome within five (5) years of the effective date of the Tier II Classification must submit a Tier II Classification Extension (and each year thereafter). This requirement also applies to sites with a waiver of approvals, upon expiration of the waiver.

DEP Permit Transmittal Number: 83052

**A. Disposal Site Information:**

☐ Check here if there is more than one applicant.

1. Current permit category (check one):

- ☐ Initial Tier IA (Permit Category BWSC01)  
☐ Initial Tier IB (Permit Category BWSC02)  
☐ Initial Tier IC (Permit Category BWSC03)  
☒ Transition Tier IA (Permit Category BWSC04)  
☐ Transition Tier IB (Permit Category BWSC05)  
☐ Not applicable since an RAO has been filed (see Section A7)

83052  
DEP Permit Transmittal Number

2. Disposal Site name: Former General Electric Facility

50 Fordham Road  
Street  
Wilmington, MA 01887  
City/Town Zip Code

3. List each release tracking number (RTN) and date of release notification for each release or threat of release that is the subject of this permit extension application. For those sites identified on the List of Disposal Sites and Locations To Be Investigated, the 1993 Transition List, and any addendum thereto pursuant to 310 CM R 40.0600, provide the Disposal Site Number in place of the RTN (*attach additional pages if needed*):

RTN/Site ID(s)	Notification Date(s)
3-0518	6/11/86



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC 20 - Tier 1 Permit Extension Application

4. If the applicant is adding new parcels to the permit, list the map(s) and parcel number(s) of each new lot that you are seeking to add to this permit. Attach a copy of each tax assessor's map(s) showing these parcels. For those applicants seeking to modify their transition permit category (issued by the Department as permit category BWSC 04 or BWSC 05); provide all of the information shown below:

Municipal Tax Assessor's Map(s)	Parcel Number(s)
N/A	

5. Reason for Permit Extension (check one box):

☒ Current permit is expiring. Do not complete Section A7.

*Note: Application for permit extension is required 90 days prior to permit expiration pursuant to 310 CMR 40.0724(l).*

Phase IV RIP for a portion of site	4/14/98
Last Phase Completed	Date Completed

☐ To conduct response actions at a Tier I site with an RAO.

*Note: Applicant must complete Section A7.*

6. Attach a statement describing why the extension is sought. Include a schedule for completing all work at the site, and a summary of all response actions performed at the site to date, including all phase work:

☒ Statement attached.

7. Complete this section if requesting a permit extension for sites where an RAO Statement has been previously filed.

*Note: Do not complete this section if you are requesting a permit extension for a permit that is about to expire and where an RAO has not been achieved.*

- a. Check the RAO Class filed for the disposal site:

☐ A3    ☐ A4    ☐ B2    ☐ B3    ☐ C



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC 20 - Tier 1 Permit Extension Application

b. Reason for Permit Extension (check one):

- ☐ Initiation of response actions to implement a Permanent Solution at a disposal site where a Class C RAO has been filed pursuant to 310 CMR 40.0581 (1)(a).
- ☐ Initiation of response action(s) to maintain a *Temporary Solution* other than those that are conducted for normal maintenance of a Class C RAO pursuant to a post Class C RAO Operation pursuant to 310 CMR 40.0581(l)(d).

*Note: You are also required to submit an LSP Periodic Review Opinion pursuant to 310 CMR 40.0580.*

- ☐ Maintain a Class A, B or Class C Response Action Outcome at a disposal site where an Activity and Use Limitation (AUL) is in place pursuant to 310 CMR 40.1080 and 310 CMR 40.0581 (1)(b).
- ☐ Conduct further response actions where an AUL is in place in order to terminate such limitation to allow site uses or activities which are prohibited in the RAO Statement pursuant to 310 CMR 40.0581(l)(c).
- ☐ Conduct further response actions where an Activity and Use Limitation is in place in order to maintain a level of No Significant Risk for contemplated changes in land use/activities or other site conditions pursuant to 310 CMR 40.1080(2) and 310 CMR 40.1081.

c. Is the applicant the person who submitted the applicable RAO?

- ☐ Yes      ☐ No

*Note: if no, you must also obtain a joint application for a Permit Transfer pursuant to 310 CMR 40.0581 (d).*

d. Check one of the following statements:

- ☐ An LSP Opinion is included with this application for Permit Extension verifying that response actions will be conducted in accordance with the Phase III and Phase IV reports and Completion Statements which are the basis for the existing RAO.
- ☐ The LSP Evaluation has concluded that response actions to be conducted are significantly different from those that are the basis for the existing RAO; therefore, an application for a Major Permit Modification pursuant to 310 CMR 40.0707 is included herein.

## **Section A6 Statement**

### **BWSC 20 Tier I Permit Application Extension Application**

The 50 Fordham Road property is an approximately 13-acre parcel of land situated east of Fordham Road and North of Concord Street within an industrial park in Wilmington and North Reading, Massachusetts. General Electric Company's Aerospace Division (GE) occupied the property from 1968 to 1989. GE Aerospace was acquired by Martin Marietta on April 2, 1993, which was subsequently acquired by Lockheed Martin Corporation (LMC) on March 15, 1995. LMC is, therefore now responsible for execution of the remediation program in compliance with the site's Tier IA permit. AMETEK Aerospace Products, Inc. (AMETEK) and General Scanning are the current tenants at the site.

On June 11, 1986, the Massachusetts Department of Environmental Quality Engineering (DEQE) issued GE a Notice of Responsibility (NOR) pursuant to Massachusetts General Law (MGL) Chapter 21E, citing that a condition of groundwater contamination by chlorinated hydrocarbons had been documented. Goldberg-Zoino & Associates (GZA) prepared a Phase I study, which was submitted to DEQE on September 15, 1986.

A Phase II Report prepared by Goldberg Zoino Associates (GZA) was submitted to the Massachusetts Department of Environmental Protection (DEP), formerly known as MA DEQE, in April 1990, which included a summary of investigations conducted at the site prior to that date. In December 1991, Arthur D. Little Inc. submitted to the DEP a public health and ecological risk characterization for the site. Wehran Engineering Corporation (Wehran) submitted a Phase II Supplemental Investigation and a Second Supplemental Phase II Investigation in November 1991 and December 1992, respectively.

In 1992, GE Aerospace implemented Interim Measure Remediation Systems at the Tank Farm and Eastern Parking Lot areas. The Tank Farm area remediation system was designed to pump and treat bedrock groundwater for volatile organic compounds. The Eastern Parking Lot area system removed separate phase product (Stoddard solvent) for approximately two years with a Petrobelt System. Continued monitoring of the Eastern Parking Lot recovery wells RW-1 and RW-2 is required by the site's Tier IA Permit.

The Phase III Remedial Action Plan (RAP) was submitted to DEP on October 20, 1993. Over the course of the intervening years however, the RAP has been modified based on the results of subsequent investigations and Agency review and discussions. These modifications are addressed in a chronological manner in later paragraphs.

In 1994, the DEP classified the former GE, 50 Fordham Road, Wilmington, MA site, as a Transition Tier IA site and provided a permit to authorize comprehensive-remedial response actions to meet the requirements of the MCP (Disposal site No. 3-0518; Permit No. 83052). Attachment B of the Tier IA permit contains the requirements to continue the Tank Farm Area Interim Measure, approved on October 16, 1991, and the Eastern Parking Lot Interim Measure, approved on December 19, 1991.

In November/December 1995, EMCON (formerly Wehran) conducted a comprehensive round of groundwater sampling and analysis to evaluate any changes in ground water conditions since the



## **Section A6 Statement**

last comprehensive sampling round conducted in July 1993. All subsequent monitoring has been performed in accordance with the Long Term Monitoring Plan (see below).

On November 30, 1995, a conditional approval was received from the DEP for the soil remediation portion of the RAP concurring with the soil category S-3 designation for the cleanup standard for the site. The approval required sediment remediation of the Outfall 001 area to proceed until all contaminants of concern reached or approached background levels, if feasible.

In October 1996, a conditional approval for the groundwater remediation was received from DEP. The letter provides approval for the recommended remedial action Alternative 2- on-property groundwater recovery wells only, with groundwater treatment plant on-property. The Comprehensive Response Action Transmittal Form was submitted to DEP, per their request, for administrative completeness.

In the Tank K location, additional data was gathered to further delineate the extent of impacted soil and groundwater in support of the Remedial Implementation Plan. The field work included a soil vapor extraction pilot test and an aquifer test. A report documenting field activities and results was submitted to the DEP in January 1997.

Additional soil sampling and analysis were conducted in May and August 1997, to better delineate the extent of impacted soil in the vicinity of the Eastern Parking Lot, Drum Storage area, and the Tank Farm area. The Wilmington Soil Sampling letter report that summarized the sampling results was submitted to DEP for review in December 1996. In March 12, 1997, DEP approved the requested RAP modification to eliminate soil vapor extraction and treatment in the Tank Farm area.

The Long Term Monitoring Plan was submitted to DEP on January 31, 1997, as required by the conditional approval of the Phase III RAP. Conditional approval was received from DEP on July 16, 1997.

Between January and September 1997, three bedrock wells were installed at the eastern edge of the property to determine the vertical extent of bedrock impacts, to conduct an aquifer test to define zones of influence, to estimate well yields, and to help predict the groundwater capture zone. This effort, which was intended to support the design of the groundwater pump and treat component of the Phase III RAP, led to the discovery of volatile organics at much higher concentrations and in much deeper zones than previously observed.

This discovery led to a February 27, 1998 Proposed Change to the Phase III RAP letter report documenting that the remedial action alternative selected in the Phase III RAP (the pumping and treatment of on-property groundwater to achieve GW-1 standards) is not technologically feasible pursuant to 310 CMR 40.0860. An evaluation of other technologies indicated that no other technologies would be feasible. The proposed alternative was a Temporary Solution, which would focus on Periodic Evaluations to identify potentially feasible technologies that would have a high likelihood of achieving the long-term remedial objective. LMC requested DEP approval of the temporary solution in March 1998.

## **Section A6 Statement**

The January 8, 1998 Wilmington Sediment Evaluation letter report documented an additional investigation and evaluation that EMCON conducted at the site to address the extent of sediment to be remediated in the vicinity of Outfalls 001 and 002. The evaluation results indicated that a condition of No Significant Risk exists at the Outfall locations. Therefore, a recommendation of no further response action was submitted for DEP approval.

The April 10, 1998, Phase IV Remedy Implementation Plan (RIP) addressed two portions of the remedial action alternative: 1) excavation and reuse/recycling of soil in the Eastern Parking Lot area, and 2) in situ treatment of saturated soil and groundwater in the Tank K area. The Phase IV RIP was submitted for DEP approval on April 14, 1998. The September 21, 1998 Eastern Parking Lot Report documented the collection and interpretation of additional data to be used to define the Remedial Implementation Plan (RIP) for groundwater remediation in the Eastern Parking Lot and Tank Farm areas.

The November 10, 1998 Summary of Field Activities and Analytical Results letter report was prepared to document the installation and sampling of a monitoring well couplet in the wetlands south of the Ipswich River, in the Town of North Reading, Massachusetts. This work was conducted in accordance with the DEP approval letter dated June 23, 1998.

The February 12, 1999, Summary of Groundwater Sampling and Evaluation of Natural Attenuation summarized the methods and results of a study performed by EMCON to evaluate the degree of natural attenuation of volatile organics in groundwater. This evaluation was recommended by EMCON in the March 1998 request for a Temporary Solution based on technical impracticability, and was approved for execution by DEP in the June 23, 1998 letter.

On May 19, 1999, the Tank K pilot test letter report was submitted to DEP to document a variety of field investigation activities and the results of the pilot test of an oxidation technology. The pilot test was not able to determine important design parameters to implement the technology. The letter included a request for DEP approval to change the remedial action alternative for the Tank K area based on a reevaluation of other feasible technologies.

A Groundwater Modeling Plan, was prepared by TRC Environmental Corporation (TRC) to address monitoring, modeling, and potential remedial actions. This Plan was a required deliverable that was originally recommended by EMCON as an additional component of the proposed Temporary Solution, as per the March 1998 letter reports. The Plan was submitted for DEP approval on May 26, 1999.

An extension to the Tier I permit is requested to continue MCP response actions in soil and groundwater. The site characterization is complex and much time and effort have been placed on fully understanding the nature and extent of contamination. Of late, the focus has shifted towards selecting and designing remedial alternatives. The future site focus will be to implement appropriate remedial actions to effectively treat, remove, or reduce the level of contaminants at the site.

At this point, a schedule for completing work at the site cannot be provided as realistic time frames for remediation completion have not been established. TRC is currently reevaluating previous proposals and commitments, and communications with DEP are underway in this

### **Section A6 Statement**

regard. In the fall of 1999, an application will be submitted to transfer this Tier I permit from Lockheed Martin Corporation to TRC. TRC will assume the environmental liability for the site and will complete MCP response actions. At the time of the permit transfer application, TRC will provide more specific information as to future response actions and schedules for completion.

## **Section A6 Statement**

### **Key Recent Reports Submitted to DEP**

Phase III Remedial Action Plan, October 1993 - prepared by Wehran Engineering Corporation

Field Activities to Support Tank K RIP Letter Report, EMCON, January 15, 1997

Long Term Groundwater Monitoring Plan prepared by EMCON, January 31, 1997

Wilmington Sediment Evaluation prepared by EMCON, January 8, 1998.

Eastern Parking Lot Pump Test Report prepared by EMCON, February 10, 1998

Proposed Change to Phase III Remedial Action Plan prepared by EMCON, February 27, 1998.

Workplan for Groundwater Sampling and Evaluation of Natural Attenuation, prepared by EMCON, August 20, 1998

Phase IV Remedy Implementation Plan, prepared by EMCON, April 10, 1998.

Summary of Groundwater Sampling and Evaluation of Natural Attenuation, prepared by EMCON, February 12, 1999.

Tank Farm Area Remediation System Semi-Annual Operation and Monitoring Report prepared by EMCON, March 25, 1999.

Tank K Pilot Test Report, prepared by EMCON, May 19, 1999

Groundwater Modeling Plan, prepared by TRC, May 26, 1999

### **Key Correspondence Received From DEP**

MA DEP Correspondence, 11/30/95, Conditional Approval for Soil Remediation

MA DEP Correspondence, August 1996, "Record of Decision" Memorandum of the Phase III Remedial Action Plan

MA DEP Correspondence, October 11, 1996, Conditional Approval of the Phase III Remedial Action Plan

MA DEP Correspondence, March 12, 1997, approval to modify Remedy in Tank Farm Area

MA DEP Correspondence, July 16, 1997, Conditional Approval of Long Term Groundwater Monitoring Plan



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC 20 - Tier 1 Permit Extension Application

**B. Primary Representative Information:**

Complete only if there is a change in the Primary Representative, or if you have not previously furnished this information to DEP. You do not need to complete this section, if there is only one applicant. The Primary Representative should complete this section, if there are multiple applicants.

*Note: The Primary Representative for multiple applicants will receive the annual compliance assurance fee statement for the disposal site.*

1. Primary Representative:

Is the Primary Representative also an applicant? ☒ Yes ☐ No

Lockheed Martin Corporation

Name of Organization

Gene Matsushita

Name

Technical Project Manager

Title

100 South Charles Street, Suite 1400

Street

Baltimore

City/Town

MA

State

21201

Zip Code

(410) 468-1038

Telephone

Ext.

Contact Name (if different)

Contact Telephone

Ext.

2. Primary Representative Certification:

"I certify under the penalties of law that I am fully authorized to act on behalf of all persons submitting this permit application for the following purposes: (i) to receive oral and written correspondence from DEP with respect to this application; (ii) to receive oral and written correspondence from DEP with respect to the performance of response actions upon issuance of a Tier I permit; and (iii) to receive any statement of fee required by 310 CMR 4.03(3) upon issuance of a Tier I permit. I am aware that there are significant penalties, including, but not limited to, possible fines and imprisonment, for wilfully submitting false, inaccurate or incomplete information."

GENE MATSUSHITA

Name (print)

TECHNICAL PROJECT MANAGER

Title

Gene Matsushita

Signature

8/13/99

Date

## BWSC 20 - Tier 1 Permit Extension Application

**C. Applicant Information:**

**All applicants must complete this section. Where there is more than one applicant, make copies of this page, have each applicant provide this information, and then attach all copies to this application for a Permit Extension.**

1. Applicant: \_\_\_\_\_

Lockheed Martin Corporation

---

Name of Organization

Gene Matsushita	Technical Project Manager
Name	Title

100 South Charles Street, Suite 1400  
Street

Baltimore	MD	21201
City/Town	State	Zip Code

(410) 468-1038

---

Telephone \_\_\_\_\_ Ext. \_\_\_\_\_

Contact Name (if different)

Contact Telephone	Ext.
-------------------	------

**2. Type of Applicant (check one):**

- ☐ Individual
 ☐ Sole proprietorship  
☐ Partnership
 ☒ Corporation  
☐ Realty Trust
 ☐ State authority  
☐ Municipality
 ☐ State agency  
☐ Federal agency
 ☐ Other, specify: \_\_\_\_\_

**3. Relationship of applicant to disposal site (check all that apply):**

- ☐ Current owner (as defined in Section 5(a)(1) of M.G.L. c 21E)  
☐ Current operator (as defined in Section 5(a)(1) of M.G.L. c 21E)  
☐ Past owner (as defined in Section 5(a)(2) of M.G.L. c 21E)  
☒ Past operator (as defined in Section 5(a)(2) of M.G.L. c 21E)  
☐ Generator (as defined in Section 5(a)(2) of M.G.L. c 21E)  
☐ Transporter (as defined in Section 5(a)(4) of M.G.L. c 21E)  
☐ Other legally responsible party (as defined in Section 5(a)(5) of M.G.L. c 21E)  
☐ Other person (as defined in 310 CMR 40.0006(10))



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC 20 - Tier 1 Permit Extension Application

**D. Parcel information:** part 1 of 3

Complete this section only if the current owner(s) or operator(s) information is different from that provided in the initial permit application. For applicants having received a BWSC04 or BWSC05 Transition Permit and Acceptance Statement you must complete this section if the current owner(s) or operator(s) as defined in Section 2 of M.G.L. c. 21E is not an applicant. Provide information about the owner(s) or operator(s) for each parcel(s) that is (are) the subject of this application. Attach additional copies of this page as necessary.

1. Parcel: Map Number: 91 Parcel Number: 131  
50 Fordham Road, Wilmington

2. Current owner (if different from the applicant):

Wilmington Realty Trust  
Name of Organization  
Frank Bomba Property Manager  
Name Title  
20 Laundale Drive  
Street  
Stoneham MA 02180  
City/Town State Zip Code  
781-942-2842  
Telephone Ext.

3. Current Operator (if different from the owner)

AMETEK Aerospace Products  
Name of Organization  
Al Shafner Manager, Environmental Health & Safety  
Name Title  
50 Fordham Road  
Street  
Wilmington MA 01887  
City/Town State Zip Code  
978-988-4534  
Telephone Ext.



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC 20 - Tier 1 Permit Extension Application

D. Parcel information:

part 2 of 3

Complete this section only if the current owner(s) or operator(s) information is different from that provided in the initial permit application. For applicants having received a BWSC04 or BWSC05 Transition Permit and Acceptance Statement you must complete this section if the current owner(s) or operator(s) as defined in Section 2 of M.G.L. c. 21E is not an applicant. Provide information about the owner(s) or operator(s) for each parcel(s) that is (are) the subject of this application. Attach additional copies of this page as necessary.

1. Parcel: Map Number: 2 Parcel Number: 12  
3 Fordham Road, N. Reading

2. Current owner (if different from the applicant):

Wilmington Realty Trust

Name of Organization

Frank Bomba

Property Manager

Name

Title

20 Laundale Drive

Street

Stoneham

MA

02180

City/Town

State

Zip Code

781-942-2842

Telephone

Ext.

3. Current Operator (if different from the owner)

AMETEK Aerospace Products

Name of Organization

Al Shafner

Manager, Environmental Health &

Name

Title

Safety

50 Fordham Road

Street

Wilmington

MA

01887

City/Town

State

Zip Code

978-988-4534

Telephone

Ext.





Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC 20 - Tier 1 Permit Extension Application

D. Parcel information: part 3 of 3

Complete this section only if the current owner(s) or operator(s) information is different from that provided in the initial permit application. For applicants having received a BWSC04 or BWSC05 Transition Permit and Acceptance Statement you must complete this section if the current owner(s) or operator(s) as defined in Section 2 of M.G.L. c. 21E is not an applicant. Provide information about the owner(s) or operator(s) for each parcel(s) that is (are) the subject of this application. Attach additional copies of this page as necessary.

1. Parcel: Map Number: 91 Parcel Number: 131a  
60 Fordham Road, Wilmington

2. Current owner (if different from the applicant):

Wilmington Realty Trust  
Name of Organization  
Frank Bomba Property Manager  
Name Title  
20 Laundale Drive  
Street  
Stoneham MA 02180  
City/Town State Zip Code  
781-942-2842  
Telephone Ext.

3. Current Operator (if different from the owner)

General Scanning  
Name of Organization  
Bill Phillips Operations/Facility Manager  
Name Title  
60 Fordham Road  
Street  
Wilmington MA 01887  
City/Town State Zip Code  
978-661-4300  
Telephone Ext.



## BWSC 20 - Tier 1 Permit Extension Application

### E. Applicant's Compliance History:

Each applicant must complete this section. For disposal sites with more than one applicant make copies of this section, have each applicant complete this information, and then attach all copies to this Permit Extension Application. For applicants with a BWSC 01, BWSC 02 or BWSC 03 Permit, provide only information that has changed since the effective date of the initial permit. For applicants having received a BWSC04 or BWSC05 Transition Permit and Acceptance Statement, complete all of the information in this section.

1. List each Tier I permit held by the applicant for other disposal sites:

Disposal Site Name	BWSC Permit No.	RTN/Site ID(s)
Former RCA Corp./Martin Marietta Facility	Tier 1B #102258	3-0265

2. List each Tier II disposal site where the applicant is conducting response actions:

*Note: Sites with Waivers are considered categorically to be Tier II Disposal Sites*

Disposal Site Name	RTN/Site ID(s)
None	



**Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup**

**BWSC 20 - Tier 1 Permit Extension Application**

3. List all other permits or licenses issued by the DEP and held by the applicant that are material to this disposal site:

	Permit No.	Permit Category	Facility ID
Air Quality	N/A		
Hazardous Waste (M.G.L. c 21C)	Acct #215608	LQG	MAD985290873
Solid Waste	N/A		
Industrial Wastewater Management	N/A		
Water Supply	N/A		
Water Pollution Control	N/A		
Surface Water	N/A		
Groundwater	N/A		

4. List all other federal, state, or local permits, licenses, certifications, registrations, variances, or other approvals held by applicant that are material to this disposal site:

Issuing Authority	Identification Number	Date Issued
EPA Region I	NPDES Temporary Exclusion Letter	2/14/92
EPA Region I	NPDES Permit Application Submittal	10/92



**Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup**

**BWSC 20 - Tier 1 Permit Extension Application**

5. Attach a statement detailing the applicant's history of compliance with the DEP's requirements, *since the effective date of the applicant's permit*, including, but not limited to, M.G.L. c. 21 E, 310 CMR 40.0000, and other laws for the protection of health, safety, public welfare and the environment administered or enforced by federal, state and local government agencies, that are material to the disposal site. Such statement should identify information such as: action(s) material to the disposal site taken by the DEP to enforce its requirements including, but not limited to Notice of Noncompliance (NON), Notice of Intent to Assess Civil Administrative Penalty (PAN), administrative enforcement order, Notice of Responsibility (NOR), Notice of Intent to Take Response Action (NORA); Administrative Consent Order; Judicial Consent Judgment; similar administrative actions taken by other states, federal, or local agencies; and/or civil or criminal actions material to the disposal site brought on behalf of the DEP or other federal, state, or local agencies and any additional information relevant to the applicant's history of compliance.

For each action identified, give the name of the issuing authority and identification number, if available, and a description of the noncompliance cited, the current status of the matter, and final disposition, if any, using the sample format below.

*Note: Make additional copies of this page as needed.*

---

Action:

None

---

Date:

Identification Number:

---

Issuing Authority:

---

Description of Non-compliance:

---

Current Status:

---

Final Disposition:

Statement: Applicant remains in full compliance with DEP's requirements since the effective date of the permit.

---



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC 20 - Tier 1 Permit Extension Application

---

**F. Applicant Certifications:**

Each applicant must complete this section. For disposal sites with more than one applicant, make copies of these pages, have each applicant complete this information, and then attach copies to this Permit Extension application.

**1. Certification of Submittal:**

I, Gene Matsushita attest under the pains and penalties of perjury (i) that I have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this transmittal form, (ii) that, based on my inquiry of those individuals immediately responsible for obtaining the information, the material information contained in this submittal is, to the best of my knowledge and belief, true, accurate and complete, and (iii) that I am fully authorized to make this attestation on behalf of the entity legally responsible for this submittal. I/the person or entity on whose behalf this submittal is made am/is aware that there are significant penalties, including, but not limited to, possible fines and imprisonment, for willfully submitting false, inaccurate, or incomplete information.

<u>Gene Matsushita</u>	Technical Project Manager
By (signature)	Title
<u>Lockheed Martin Corporation</u>	<u>8/3/99</u>
For	Date

Enter address of the person providing certification, if different from address recorded in Section C:

<u>Street</u>		
<u>City/Town</u>	<u>State</u>	<u>Zip Code</u>
<u>Telephone</u>	<u>Ext.</u>	



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC 20 - Tier 1 Permit Extension Application

2. Certification of Ability and Willingness:

I attest under the pains and penalties of perjury that (i) I/the person(s) or entity(ies) on whose behalf this submittal is made has/have personally examined and am/is familiar with the requirements of M.G.L. c. 21E and 310 CMR 40.0000; (ii) based upon my inquiry of the/those Licensed Site Professional(s) employed or engaged to render Professional Services for the disposal site which is the subject of this Transmittal Form and of the person(s) or entity(ies) on whose behalf this submittal is made, and my/that person's(s') or entity's(ies') understanding as to the estimated costs of necessary response actions, that/those person(s) or entity(ies) has/have the technical, financial and legal ability to proceed with response actions for such site in accordance with M.G.L. c. 21E, 310 CMR 40.0000 and other applicable requirements; and (iii) that I am fully authorized to make this attestation on behalf of the person(s) or entity(ies) legally responsible for this submittal. I/the person(s) or entity(ies) on whose behalf this submittal is made is aware of the requirements in 310 CMR 40.0172 for notifying the Department in the event that I/the person(s) or entity(ies) on whose behalf this submittal is made learn(s) that it/they is/are unable to proceed with the necessary response actions."

Gene Malinska  
By (signature)

Technical Project Manager

Title

Lockheed Martin Corporation  
For

8/3/99  
Date



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC 20 - Tier 1 Permit Extension Application

**G. Required Technical Submittals with Application for Permit Extension:**

1. Indicate which of the following response actions (conducted pursuant to 310 CMR 40.000, the 1988 MCP, or 310 CMR 40.0000, the 1993 MCP) are in progress or have been completed at the time of this permit extension application.

Response Actions	Completed	Date Completed	In Progress
<i>Preliminary Response Actions</i>			
Short Term Measure	<input type="checkbox"/>		<input type="checkbox"/>
Interim Measure	<input type="checkbox"/>		<input checked="" type="checkbox"/>
Limited Removal Action (LRA)	<input type="checkbox"/>		<input type="checkbox"/>
Immediate Response Action (IRA)	<input type="checkbox"/>		<input type="checkbox"/>
Release Abatement Measure (RAM)	<input type="checkbox"/>		<input type="checkbox"/>
Utility Related Abatement Measure (URAM)	<input type="checkbox"/>		<input type="checkbox"/>
Phase 1 Initial Site Investigation	<input checked="" type="checkbox"/>	9/15/86	<input type="checkbox"/>
Other (specify):	<input type="checkbox"/>		<input type="checkbox"/>
<i>Comprehensive Response Actions</i>			
Phase 2 Comprehensive Site Assessment	<input checked="" type="checkbox"/>	12/92	<input type="checkbox"/>
Phase 3 Identification, Evaluation and Selection of Comprehensive Remedial Action Alternatives	<input checked="" type="checkbox"/>	10/20/93	<input type="checkbox"/>
Phase 4 Implementation of the Selected Remedial Action Alternative (Remedy Implementation plan only)	<input checked="" type="checkbox"/>	*4/14/98	<input checked="" type="checkbox"/>

\*RIP for Eastern Parking Lot  
Area and Tank K Portion of RAP



**Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup**

**BWSC 20 - Tier 1 Permit Extension Application**

2. Indicate which of the following Status Reports, Phase Reports, or Completion Statements have been prepared for response actions that are in progress or completed at the disposal site at the time of this Permit Extension Application.

*Note: Persons who received a Transition Permit and Acceptance Statement should check either the first or second column, if applicable, but not the third column since an initial Permit Application was not required.*

Document	Submitted with this application	<del>Submitted since</del> prior to this application	Submitted prior to, or with initial application
Short Term Measure Documentation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Interim Measure Documentation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Bill of Lading	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
IRA Plan	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
IRA Status Report	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
IRA Completion Statement	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
RAM Plan	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
RAM Status Report	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
RAM Completion Statement	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
URAM Status Report	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
URAM Completion Statement	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Phase 1 Report and Completion Statement	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Phase 2 Scope of Work	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Phase 2 Comprehensive Site Report and Completion Statement	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Phase 3 Remedial Action Plan and Completion Statement	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Downgradient Property Status Submittal	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Response Action Outcome Statement	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (specify):	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>





Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup


BWSC 20 - Tier 1 Permit Extension Application

3. Attach an LSP Opinion regarding proposed or continuing response actions describing all response actions that, in the opinion of the LSP, should continue or have DEP approval during the DEP's review of this Permit Extension application. Use the following format:

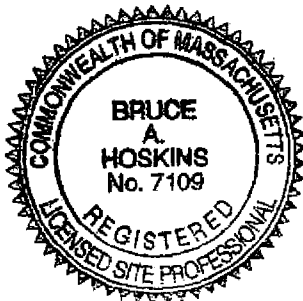
- Description of the response action
- Current status of the response action
- Rationale for continuance of the response action

H. Licensed Site Professional Opinion:

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, this Permit Application was developed in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000. 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.

<u>Bruce A. Hoskins</u>	<u>Senior Program Manager</u>
LSP Name	Title
<u>TRC Environmental Corporation</u>	<u>8/5/99</u>
LSP Organization	Date
<u>(978) 656-3527</u>	
Telephone	Ext.
<u></u>	
Signature	

Seal:



## **Section G.3 – LSP Opinion**

### **BWSC 20 – Tier I Permit Extension Application**

On July 13, 1999, a Tier I Minor Permit Modification was submitted to the Massachusetts Department of Environmental Protection (DEP) by TRC Environmental Corporation (TRC) on behalf of Lockheed Martin Corporation (LMC), to document the following information: (1) that LMC, the current signatory to the Tier I Permit, had entered into a contract with TRC for future environmental work at the Former GE Facility (RTN #3-0518); and (2) that the undersigned (Mr. Bruce Hoskins of TRC) is the new LSP-of-Record for the site. The aforementioned contract is expected to be modified within the next three months in order for LMC to contractually assign both environmental liability for the site and direct responsibility for completion of MCP response actions to TRC. At that time, an application will be submitted to DEP to transfer this Tier I permit from LMC to TRC. In the interim, LMC will retain the associated liability and responsibility for the MCP response actions at the site, with TRC performing routine monitoring and maintenance activities associated with the existing bedrock groundwater recovery and treatment Interim Measure and any other technical activities that may be required by DEP. It is unlikely that any significant plans or reports will be submitted to DEP until after the permit transfer takes place.

The following opinion is based on my understanding of site conditions and the status of response actions, as developed through a review of documents prepared by others. It is expected that DEP's written responses to several previous submittals are forthcoming, and that meetings between DEP, LMC, and TRC will be held to address related future activities and various modifications that TRC is proposing. As such, significant progress in resolving the scope of future response actions and schedules for completion should be made over the next few months. The pending permit transfer application will be used by TRC to document any agreements reached with DEP in the interim, as well as any revisions or refinements to my opinion as the LSP-of-Record.

For purposes of this opinion, the environmental issues at the site have been segregated into five principal areas related to continuing and potential future response actions. Each is addressed below.

#### **Tank K Area**

*Status:* The last significant action in the Tank K area was a pilot test and related report of findings for an in-situ chemical oxidation technology. The pilot test failed to provide critical design parameters, and the overall conclusion of the report was that this technology is not suitable for full-scale implementation. This report remains under DEP review; expectations are that DEP will concur with the overall conclusion and seek an alternate remedy.

*Opinion:* The technology that ranked second behind in-situ chemical oxidation technology in the Phase III report – air sparging and volatile extraction – is appropriate for the site conditions and contaminants of concern and should be pursued. TRC is positioned to initiate a pilot scale test of an air sparging/volatile extraction system and should be approved for the test without the need to conduct another review of potentially applicable technologies. If such a test is successful, TRC

would preferably proceed directly to a Phase IV Remedy Implementation Plan (RIP), but could submit a modified Phase III Remedial Action Plan (RAP) if considered to be necessary by DEP. After DEP approval of the Phase IV RIP, TRC would proceed with system installation and operation. Assuming expedited DEP approval for this course of action, the pilot test can be completed by the Fall of 1999, and that the full-scale system can be installed early in the Spring of 2000 due to the straightforward nature of the remedy.

#### **Eastern Parking Lot Soil and LNAPL**

*Status:* The last significant action in this area was the preparation and submittal of the Phase IV RIP by EMCON, which called for soil excavation and related dewatering to remove LNAPL. The Phase IV RIP is currently under DEP review. Recent data indicate that the thickness of the LNAPL plume has decreased substantially over the last few years.

*Opinion:* Based on a review of available information, the currently proposed remedy does not appear to represent the most technically appropriate or cost-effective solution for the problem being addressed. The following concerns are noted:

- (1) Because the contaminant source (i.e., LNAPL – Stoddard Solvent) is primarily in the smear zone and uppermost saturated zone, removal of soil may not fully remove the source and any clean soil backfill could later become contaminated by contact with residual contamination;
- (2) Large volumes of contaminated soil will be generated, requiring either off-site disposal or a significant on-site treatment operation near active industrial operations;
- (3) The planned excavation area remains somewhat undefined and could increase substantially to fully meet S-3 standards, thereby creating uncertainty as to the excavation extent and volume of contaminated soil produced;
- (4) The removal option will result in a significant disruption to ongoing industrial operations at the site.

Because the ultimate target of the Eastern Parking Lot remediation is LNAPL, contamination removal would be better served by an in-situ technology that takes advantage of the high volatility of the lighter chain hydrocarbons that comprise Stoddard Solvent. A technology such as air sparging/in-situ volatilization should be considered, possibly in conjunction with the aforementioned pilot study for the Tank K area. TRC will continue to evaluate relevant options in preparation for scheduled discussions with DEP. As with the Tank K area, implementation of an in-situ technology should be straightforward and could be accomplished within the 2000 construction season assuming timely DEP approval.

#### **Sediments Near Outfall 001 and Outfall 002**

*Status:* A sediment evaluation report was submitted by EMCON on January 8, 1998. The report concluded that contaminant levels in sediment are at a level of no significant risk, and proposed that no further action needs to be performed. In a letter dated December 23, 1998, DEP

expressed disagreement with the EMCON conclusions and offered two optional courses of action – either proceed with a Quantitative Stage II Ecological Risk Characterization, or proceed to a Phase IV RIP that addresses sediment cleanup. A meeting attended by DEP, LMC, EMCON, and TRC personnel was held on May 6, 1999, to clarify and resolve related issues. DEP has taken the input from the meeting under advisement, and a formal response letter is expected from DEP in the near future.

*Opinion:* Given the status of this issue and related uncertainties in regulatory interpretation, no action should be taken with regard to the sediments near Outfall 001 and Outfall 002 until DEP provides the results of its technical and regulatory reevaluation.

### **Tank Farm Area**

*Status:* An Interim Measure that involves groundwater removal from a shallow bedrock well and treatment using carbon adsorption is continuing in the Tank Farm Area. Various maintenance and monitoring activities also continue in relation to this interim activity.

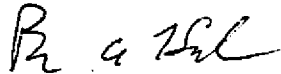
*Opinion:* Based on a review of historic and recent Interim Measures data, it is concluded that the Interim Measure is having little to no impact on contaminated groundwater. The recovery well yield has drastically decreased from 5 gpm following system installation to approximately 0.1 gpm today. The primary cause of the flow reduction appears to be iron fouling of the well, and no sustained improvement has been achieved even with monthly well cleaning efforts. TRC agrees with EMCON that the well will never be able to sustain a flow rate much above its current production. Furthermore, TRC believes that previous reports have severely overestimated the radius of influence that the recovery well is having on the bedrock aquifer.

TRC will be submitting a request to DEP to terminate the Interim Measure. This request will be submitted after the completion of the proposed groundwater modeling study (see discussion under Bedrock Aquifer below), which will be used to evaluate the need for and type of other groundwater response actions. TRC will continue to operate the Interim Measure until DEP responds to the forthcoming request to shut down the Interim Measure system.

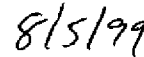
### **Bedrock Aquifer**

*Status:* In March 1998, EMCON submitted a letter report requesting a change to the Phase III RAP that initially called for an extensive on-site groundwater pump and treat system. The request was based on new findings as to the severity and depth of contamination near the site boundary, and concluded that the pump and treat remedy was not technically feasible to achieve GW-1 standards because of the likely presence of DNAPL deep in the bedrock. The proposal was to implement a Temporary Solution that would involve monitoring, a natural attenuation study, a modeling study, and a periodic reevaluation of developing technologies for the effective remediation of DNAPL in bedrock. In a subsequent correspondence, DEP approved the conduct of the natural attenuation study, conditionally approved the modeling study pending the submittal of additional information, and postponed a decision on the change in remedy. It was cited in the letter that DEP would expect some type of source control with or without approval of a Temporary Solution based on technical impracticability.

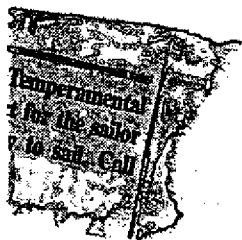
*Opinion:* Any significant decisions on a future course of action for the bedrock aquifer should await until the completion of the TRC-proposed modeling study, which is currently under DEP review. Future monitoring data from the wells installed by EMCON at the site boundary and select off-site wells, including data from the forthcoming December 1999 round of groundwater sampling and analysis, will also yield important information on trends in groundwater conditions that will be valuable to future decisions.



Bruce A. Hoskins  
Licensed Site Professional #7109



Date



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Challenge was moving right along in recent weeks. That is, until Wilmington resident and sports guru Scott Winn decided to slip things into high gear. Fighting to stay out of the league basement only a few weeks ago, Winn's squad has suddenly put quite a run together and is leading its division by four games - backed by an unlikely group of heroes.

#### FANTASY BASEBALL

The league is sponsored by Sub-

teams receive results on a game by game basis and last week, Winn finished 6-0 in battles with fellow Wilmington representative Jim Gillis and Tewksbury's Ron Perrin.

Winn's winning pitchers during the run? Dave Burba, Person, Garcia, Derek Lowe and Paul Shuey. His hitting heroes have been a bit more believable: Alex Rodriguez and Tony Clark.

Winn has been bolstered by a couple of things including the return of Rodriguez from injury, the relief pitching of Troy Percival and a nifty early-season trade for

Brothers of Burlington in ke matchups with playoff implications.

#### LEAGUE STANDINGS

##### Noddaff Division

Les Masterson (Burlington)	64-41
Joe Keohane (Burlington)	60-42
Paul Petrie (Tewksbury)	58-47
Steve Levine (Tewksbury)	50-55
Lou Insalaco (Wilmington)	41-64

##### Austin Division

Scott Winn (Wilmington)	56-40
Doug Hastings (Advertiser)	52-52
Dan Brothers (Burlington)	51-54
Jim Gillis (Wilmington)	49-56
Ron Perrin (Tewksbury)	44-61

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## LEGAL NOTICES

### FIREWALL BIDS

#### LEGAL NOTICE READING MUNICIPAL LIGHT DEPARTMENT



#### REQUEST FOR PROPOSAL BID NO. 6-25-99-1 TRANSFORMER FIREWALL CONSTRUCTION WILDWOOD, GAW, AND LYNNFIELD CENTER SUBSTATIONS

Bidders are invited to submit proposals for the Construction of Transformer Firewalls at the Wildwood, Gaw, and Lynnfield Center Substations.

Work shall be substantially complete within 75 calendar days from the commencement of contract time and completed and ready for final payment 90 calendar days from the commencement of contract time.

A prebid conference and site visit will be held at 11:00 am on August 16th, 1999. Attendance by bidders at the prebid conference is mandatory. Proposals received from bidders who have failed to attend the prebid conference will be considered non-responsive.

The Reading Municipal Light Department will receive sealed proposals until 11:00 am local time on August 25, 1999 at 230 Ash Street, Reading, Massachusetts 01867. Proposals will then be opened, and unless obviously non-responsive, read aloud publicly. Proposals received after the time of announced opening will not be accepted.

Proposal Documents may be obtained from the Purchasing Department, Reading Municipal Light Department, 230 Ash Street, Reading, Massachusetts, 01867.

Bid security in the amount of five (5) percent of the bid must accompany the proposal in accordance with the instructions to bidders.

The Reading Municipal Light Department reserves the right to reject any and all proposals, including without limitation the rights to reject any or all nonconforming, non-responsive, unbalanced or conditional proposals, and to reject the proposal of any bidder if the Reading Municipal Light Department believes that it would not be in the best interest of the project to make an award to that bidder, whether because the bid is non-responsive or the bidder is unqualified or of doubtful financial ability or fails to meet any other pertinent standard or criteria established. Reading Municipal Light Department also reserves the right to waive all informalities not involving price, time or changes to the work, and to negotiate contract terms with the successful bidder.

Reading Municipal Light Board  
Willard J. Burditt, Chairman  
Philip B. Pacino, Secretary  
Allan E. Ames, Member  
William J. Hughes, Jr., Member  
David M. Swyter, Member  
Leonard D. Rucker  
General Manager

AD #912797  
Wilmington Advertiser, 8/5/99

50 Fordham Road

#### LEGAL NOTICE NOTICE OF APPLICATION FOR AN EXTENSION OF A WASTE SITE CLEANUP PERMIT FOR THE GENERAL ELECTRIC FACILITY

50 FORDHAM ROAD  
WILMINGTON, MA 01887

RELEASE TRACKING NUMBER 3-0518

Pursuant to the Massachusetts Contingency Plan (310 CMR 40.0703), an application for a Permit Extension is being submitted to the Department of Environmental Protection (DEP) for this site on August 6, 1999. DEP issued a Tier I permit for this site on October 28, 1994.

The application proposes to extend the permit for this site to October 28, 2001 for the following rationale:

\* To continue response actions in site soil and groundwater.

Once a site has been classified as Tier I, a permit is required to proceed with a Comprehensive Remedial Response Process. Anyone interested in reviewing the Permit Extension application should notify DEP by writing to DEP Northeast Region, Bureau of Waste Site Cleanup, Permit Section at 205A Lowell Street, Wilmington, MA 01887 by August 26, 1999. If anyone notifies DEP of his or her interest in reviewing or submitting comment on the application, DEP will conduct a public comment review period of twenty (20) days of which shall run concurrently with DEP's Initial Technical Review of the application. Anyone who fails to notify DEP in writing of his/her interest in commenting on the application by the above date may be deemed to have waived his/her rights, if any, to appeal DEP's permit decision or to intervene in an adjudicatory proceeding with respect to this application, pursuant to 310 CMR 40.0770(2).

(M.G.L. c. 21E and the Massachusetts Contingency Plan provide additional opportunities for public notice of and involvement in decisions regarding response actions at disposal sites: 1) The Chief Municipal Official and Board of Health of the community in which the site is located will be notified of major milestones and events, pursuant to 310 CMR 40.1403; and 2) Upon receipt of a petition from ten or more residents of the municipality in which the disposal site is located, or of a municipality potentially affected by a disposal site, a plan for involving the public in decisions regarding response actions at the site will be prepared and implemented, pursuant to 310 CMR 40.1405.

To obtain more information on this disposal site and the opportunities for public involvement during its remediation, please contact Mr. Dino Iseppi, Project Manager, Lockheed Martin Corporation, 2 Forbes Road, Mail Stop 210, Lexington, MA 02137 at (781) 863-3051. AD#913374

Wilmington Advertiser, 8/5/99

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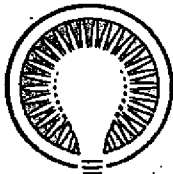
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**REQUEST FOR PROPOSAL  
BLD NO. 8-25-99-1  
TRANSFORMER FIREWALL  
CONSTRUCTION**

DWOOD, GAW, AND LYNNFIELD  
CENTER SUBSTATIONS

Bidders are invited to submit  
bids for the Construction of  
former Firewalls at the Wildwood,  
and Lynnfield Center Substations.  
Bids shall be substantially complete  
75 calendar days from the  
announcement of contract time and  
ready for final payment 90  
calendar days from the commencement  
of work.  
Prebid conference and site visit will  
be held at 11:00 a.m. on August 16, 1999.  
Bids are to be received by bidders at the prebid  
conference is mandatory. Proposals  
received from bidders who have failed to  
attend the prebid conference will be  
considered non-responsive.

Reading Municipal Light  
Department will receive sealed  
bids until 11:00 a.m. local time on  
August 25, 1999 at 230 Ash Street,  
Reading, Massachusetts 01867.  
Bids will then be opened, and  
bids obviously non-responsive, read  
publicly. Proposals received after  
the announced opening will not be  
considered.

Proposal Documents may be obtained  
from the Purchasing Department, Reading  
Municipal Light Department, 230 Ash  
Street, Reading, Massachusetts 01867.  
Security in the amount of five (5)  
percent of the bid must accompany the  
bid in accordance with the  
terms and conditions.

Reading Municipal Light  
Department reserves the right to reject  
all proposals, including without  
limitation the rights to reject any or all  
proposals, non-responsive,  
unopened or conditional proposals; and  
to award the project to make an award to  
the bidder, whether because the bid is  
responsive or the bidder is  
unable to meet any other pertinent  
criteria established. Reading  
Municipal Light Department also reserves  
the right to waive all informalities not  
involving price, time or changes to the  
bid and to negotiate contract terms with  
successful bidder.

Reading Municipal Light Board  
William J. Burditt, Chairman  
Philip B. Pacifico, Secretary  
Allan E. Ames, Member  
William J. Hughes, Jr., Member  
David M. Swytter, Member  
Leonard D. Rucker  
General Manager  
A5

TOWN OF NORTH READING  
MASSACHUSETTS



CONSERVATION COMMISSION  
NOTICE OF PUBLIC HEARING  
Notice is hereby given that a Notice of

TOWN OF NORTH READING  
MASSACHUSETTS



**BOARD OF APPEALS  
HEARING NOTICE**

A public hearing will be held in room  
14, Town Hall/Murphy Center, 235 North  
Street, North Reading, MA, on Thursday,  
September 2, 1999, at 7:30 p.m. on the  
petition of Deerfield Place LLC by their  
engineer Michael O'Neill, 178 Park  
Street, North Reading, MA, for a special  
permit to construct a road, water main  
loop and offsite drainage improvements  
in the aquifer protection district at 146  
Marblehead Street, North Reading, MA,  
Map 50, Parcel 3, under Section 8.7.4.L,  
North Reading Zoning Bylaws.

Board of Appeals  
J29, A5

**NOTICE OF APPLICATION FOR AN  
EXTENSION OF A WASTE SITE  
CLEANUP PERMIT  
FORMER GENERAL ELECTRIC  
FACILITY  
50 FORDHAM ROAD  
WILMINGTON, MA 01887  
RELEASE TRACKING NUMBER  
3-0518**

Pursuant to the Massachusetts  
Contingency Plan (310 CMR 40.0703), an  
application for a Permit Extension is  
being submitted to the Department of  
Environmental Protection (DEP) for this  
site on August 6, 1999. DEP issued a  
Tier I permit for this site on October 28,  
1994. The application proposes to  
extend the permit for this site to October  
28, 2001 for the following rationale:

To continue response actions in site  
soil and groundwater.

Once a site has been classified as  
Tier I, a permit is required to proceed with  
a Comprehensive Remedial Response  
Process. Anyone interested in reviewing  
the Permit Extension application should  
notify DEP by writing to DEP Northeast  
Region, Bureau of Waste Site Cleanup,  
Permit Section at 205A Lowell Street,  
Wilmington, MA 01887 by August 26,  
1999. If anyone notifies DEP of his or her  
interest in reviewing or submitting  
comment on the application, DEP will  
conduct a public comment review period  
of twenty (20) days which shall run  
concurrently with DEP's Initial Technical  
Review of the application. Anyone who  
fails to notify DEP in writing of his/her  
interest in commenting on the application  
by the above date may be deemed to  
have waived his/her rights. If any, to  
appeal DEP's permit decision or to  
intervene in an adjudicatory proceeding  
with respect to this application, pursuant  
to 310 CMR 40.0770(2).

M.G.L. c.21E and the Massachusetts  
Contingency Plan provide additional  
opportunities for public notice of and  
involvement in decisions regarding  
response actions at disposal sites: 1)  
The Chief Municipal Official and Board of  
Health of the community in which the site  
is located will be notified of major  
milestones and events, pursuant to 310  
CMR 40.1403; and 2) Upon receipt of a  
petition from ten or more residents of the  
municipality in which the disposal site is  
located, or of a municipality potentially  
affected by a disposal site, a plan for  
involving the public in decisions  
regarding response actions at the site will  
be prepared and implemented, pursuant  
to 310 CMR 40.1405.

To obtain more information on this  
disposal site and the opportunities for  
public involvement during its  
remediation, please contact Mr. Dino  
Iseppi, Project Manager, Lockheed Martin  
Corporation, 2 Forbes Road, Mail Stop  
210, Lexington, MA 02137 at (781) 863-  
3051.

A5

TOWN OF NORTH READING  
MASSACHUSETTS



**CONSERVATION COMMISSION  
NOTICE OF PUBLIC HEARING**

Notice is hereby given that a Notice of  
intent under the Massachusetts Wetlands  
Protection Act and the North Reading  
General Wetlands Protection Bylaw,  
Chapter 16, has been filed. The Notice of  
intent is for the purpose of 12 Lot  
subdivision with 935' roadway,  
stormwater management systems and  
utilities. Work is within one hundred feet  
of wetlands, but will not alter a wetland.  
The work is located at 146 Marblehead  
Street, North Reading, MA.

This will be heard at the next meeting  
of the Conservation Commission on  
Tuesday, August 10, 1999 at 8:00 p.m. in  
room 14, Murphy Center/Town Hall, 235  
North Street, North Reading,  
Massachusetts. This notice has been  
filed by Deerfield Place LLC, 118 Tonney  
St., Georgetown, MA 01833 as required  
by Chapter 131, Section 40 of the  
Massachusetts General Laws and the  
North Reading General Wetland Bylaw,  
Chapter 16 of the General Law.

A copy of this plan is on file in the  
Conservation Commission Office Monday  
through Thursday 8:00 a.m. to 4:00 p.m.  
and Friday 8:00 a.m. to 1:00 p.m.

Conservation Commission  
Martin Weiss, Chairperson  
A5

TOWN OF NORTH READING  
MASSACHUSETTS



**CONSERVATION COMMISSION  
NOTICE OF PUBLIC HEARING**

Notice is hereby given that a Request  
for Determination of Applicability under  
the Massachusetts Wetlands Protection  
Act and the North Reading General  
Wetlands Protection Bylaw, Chapter 16,  
has been filed. The Request for  
Determination proposes to install a 24"  
round x 4' deep pool within one hundred  
feet of wetlands. The work to be  
performed will be located at 9 Mill St.,  
North Reading, MA 01864.

This will be heard at the next meeting  
of the Conservation Commission on  
Tuesday, August 10, 1999 at 8:00 p.m. in  
room 14, Murphy Center/Town Hall, 235  
North Street, North Reading,  
Massachusetts. The Request for  
Determination of Applicability has been  
filed by Peter and Mary Noel, North  
Reading, MA 01864 as required by  
Chapter 131, Section 40 of the  
Massachusetts General Laws and the  
North Reading General Wetland Bylaw,  
Chapter 16 of the General Law.

A copy of this plan is on file in the  
Conservation Commission Office Monday  
through Thursday 8:00 a.m. to 4:00 p.m.  
and Friday 8:00 a.m. to 1:00 p.m.

Conservation Commission  
Martin Weiss, Chairperson  
A5

The first movie comic to have a pie thrown in his face was Fatty  
Arbuckle. Mabel Normand did the tossing in the 1913 silent film *A  
Noise From the Deep*.



**FOR RENT**

Retail Garage  
& Office Space

Rte. 28

North Reading

Call Mr. LYNCH

(978) 664-3164 or

(978) 657-7806

(Wilmington)

**FOR RENT**

NORTH READING

Sunny one bedroom apart-  
ment in lovely complex. 2  
parking spaces, modern  
kitchen.

.....\$750/mo.

Call agent at

978-762-6189

**James R. Senior**

*Attorney At Law*

Civil and Criminal Trials  
Personal Injury  
Real Estate

Park Place East  
348 Park Street, Suite 207  
North Reading, MA 01864

Patronize

Our



July 30, 1999

Mr. Martin Fair, Health Agent  
North Reading Board of Health  
Town Hall  
235 North Street  
North Reading, MA 01864

Re: Notice of Waste Site Cleanup Permit Extension  
Former General Electric Facility  
50 Fordham Road, Wilmington, MA  
MADEP RTN: 3-0518

Dear Mr. Fair:

This letter is written on behalf of Lockheed Martin Corporation to inform you that an application to extend the waste site cleanup permit at the above-mentioned site will be submitted to the Massachusetts Department of Environmental Protection on August 6, 1999. Attached is a copy of the required legal notice for this application that will be published in the August 5, 1999 editions of the *Wilmington Advertiser* and the *North Reading Transcript*.

If you have any questions regarding this notice, please do not hesitate to contact Mr. Dino Iseppi with Lockheed Martin Corporation at (781) 863-3051.

Very truly yours,

TRC ENVIRONMENTAL CORPORATION

Bruce A. Hoskins, P.E., LSP  
Site LSP of Record

Paola E. Macchiardoli, Ph.D.  
Project Manager

Enclosure



**NOTICE OF APPLICATION FOR AN EXTENSION OF  
A WASTE SITE CLEANUP PERMIT**

**FORMER GENERAL ELECTRIC FACILITY  
50 FORDHAM ROAD  
WILIMINGTON, MA 01887  
RELEASE TRACKING NUMBER 3-0518**

Pursuant to the Massachusetts Contingency Plan (310 CMR 40.0703), an application for a **Permit Extension** is being submitted to the Department of Environmental Protection (DEP) for this site on August 6, 1999. DEP issued a Tier I permit for this site on October 28, 1994. The application proposes to extend the permit for this site to October 28, 2001 for the following rationale:

- To continue response actions in site soil and groundwater.

Once a site has been classified as Tier I, a permit is required to proceed with a Comprehensive Remedial Response Process. Anyone interested in reviewing the Permit Extension application should notify DEP by writing to DEP Northeast Region, Bureau of Waste Site Cleanup, Permit Section at 205A Lowell Street, Wilmington, MA 01887 by August 26, 1999. If anyone notifies DEP of his or her interest in reviewing or submitting comment on the application, DEP will conduct a public comment review period of twenty (20) days which shall run concurrently with DEP's Initial Technical Review of the application. Anyone who fails to notify DEP in writing of his/her interest in commenting on the application by the above date may be deemed to have waived his/her rights, if any, to appeal DEP's permit decision or to intervene in an adjudicatory proceeding with respect to this application, pursuant to 310 CMR 40.0770(2).

M.G.L. c. 21E and the Massachusetts Contingency Plan provide additional opportunities for public notice of and involvement in decisions regarding response actions at disposal sites: 1) The Chief Municipal Official and Board of Health of the community in which the site is located will be notified of major milestones and events, pursuant to 310 CMR 40.1403; and 2) Upon receipt of a petition from ten or more residents of the municipality in which the disposal site is located, or of a municipality potentially affected by a disposal site, a plan for involving the public in decisions regarding response actions at the site will be prepared and implemented, pursuant to 310 CMR 40.1405.

To obtain more information on this disposal site and the opportunities for public involvement during its remediation, please contact Mr. Dino Iseppi, Project Manager, Lockheed Martin Corporation, 2 Forbes Road, Mail Stop 210, Lexington, MA 02137 at (781) 863-3051.



July 30, 1999

Mr. Thomas Younger, Town Administrator  
Town Hall  
235 North Street  
North Reading, MA 01864

Re: Notice of Waste Site Cleanup Permit Extension  
Former General Electric Facility  
50 Fordham Road, Wilmington, MA  
MADEP RTN: 3-0518

Dear Mr. Younger:

This letter is written on behalf of Lockheed Martin Corporation to inform you that an application to extend the waste site cleanup permit at the above-mentioned site will be submitted to the Massachusetts Department of Environmental Protection on August 6, 1999. Attached is a copy of the required legal notice for this application that will be published in the August 5, 1999 editions of the *Wilmington Advertiser* and the *North Reading Transcript*.

If you have any questions regarding this notice, please do not hesitate to contact Mr. Dino Iseppi with Lockheed Martin Corporation at (781) 863-3051.

Very truly yours,

TRC ENVIRONMENTAL CORPORATION

Bruce A. Hoskins, P.E., LSP  
Site LSP of Record

Paola E. Macchiaroli, Ph.D.  
Project Manager

Enclosure

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A WASTE SITE CLEANUP PERMIT**

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50 FORDHAM ROAD  
WILIMINGTON, MA 01887  
RELEASE TRACKING NUMBER 3-0518**

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To obtain more information on this disposal site and the opportunities for public involvement during its remediation, please contact Mr. Dino Iseppi, Project Manager, Lockheed Martin Corporation, 2 Forbes Road, Mail Stop 210, Lexington, MA 02137 at (781) 863-3051.



July 30, 1999

Mr. Gregory Erickson, Director of Health  
Town of Wilmington  
Town Hall  
121 Glen Road  
Wilmington, MA 01887

Re: Notice of Waste Site Cleanup Permit Extension  
Former General Electric Facility  
50 Fordham Road, Wilmington, MA  
MADEP RTN: 3-0518

Dear Mr. Erickson:

This letter is written on behalf of Lockheed Martin Corporation to inform you that an application to extend the waste site cleanup permit at the above-mentioned site will be submitted to the Massachusetts Department of Environmental Protection on August 6, 1999. Attached is a copy of the required legal notice for this application that will be published in the August 5, 1999 editions of the *Wilmington Advertiser* and the *North Reading Transcript*.

If you have any questions regarding this notice, please do not hesitate to contact Mr. Dino Iseppi with Lockheed Martin Corporation at (781) 863-3051.

Very truly yours,

TRC ENVIRONMENTAL CORPORATION

Bruce A. Hoskins, P.E., LSP  
Site LSP of Record

Paola E. Macchiaroli, Ph.D.  
Project Manager

Enclosure

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A WASTE SITE CLEANUP PERMIT**

**FORMER GENERAL ELECTRIC FACILITY  
50 FORDHAM ROAD  
WILMINGTON, MA 01887  
RELEASE TRACKING NUMBER 3-0518**

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July 30, 1999

Mr. Michael Caira, Wilmington Town Manager  
Town Hall  
121 Glen Road  
Wilmington, MA 01887

Re: Notice of Waste Site Cleanup Permit Extension  
Former General Electric Facility  
50 Fordham Road, Wilmington, MA  
MADEP RTN: 3-0518

Dear Mr. Caira:

This letter is written on behalf of Lockheed Martin Corporation to inform you that an application to extend the waste site cleanup permit at the above-mentioned site will be submitted to the Massachusetts Department of Environmental Protection on August 6, 1999. Attached is a copy of the required legal notice for this application that will be published in the August 5, 1999 editions of the *Wilmington Advertiser* and the *North Reading Transcript*.

If you have any questions regarding this notice, please do not hesitate to contact Mr. Dino Iseppi with Lockheed Martin Corporation at (781) 863-3051.

Very truly yours,

TRC ENVIRONMENTAL CORPORATION

Bruce A. Hoskins, P.E., LSP  
Site LSP of Record

Paola E. Macchiaroli, Ph.D.  
Project Manager

Enclosure

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A WASTE SITE CLEANUP PERMIT**

**FORMER GENERAL ELECTRIC FACILITY  
50 FORDHAM ROAD  
WILIMINGTON, MA 01887  
RELEASE TRACKING NUMBER 3-0518**

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To obtain more information on this disposal site and the opportunities for public involvement during its remediation, please contact Mr. Dino Iseppi, Project Manager, Lockheed Martin Corporation, 2 Forbes Road, Mail Stop 210, Lexington, MA 02137 at (781) 863-3051.



**Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup**

**BWSC 20 - Tier 1 Permit Extension Application  
Application Completeness Checklist**

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**Application Completeness Checklist**

- ☒ DEP Permit Transmittal Form is complete.
- ☒ BWSC20 Section A is complete.
- ☒ Statement is attached describing why the Permit Extension is being sought pursuant to 310 CMR 40.0706(2)(a).
- ☒ BWSC20 Section B is complete, if applicable. Section B is applicable, if there is a change in Primary Representative, or if information was not previously furnished to DEP.
- ☒ The Certification of the Primary Representative is signed, if required to complete BWSC20 Section B.
- ☒ BWSC20 Section C is complete for each applicant.
- ☒ BWSC20 Section D is complete for each parcel, if applicable. Section D is applicable if current owner(s) or operator(s) information is different from that provided in the initial permit application. Or if you have not previously furnished this information to DEP, and any owner(s) or operator(s) are not also applicants.
- ☒ BWSC20 Section E is complete for each applicant.
- ☒ BWSC20 Section F is complete for each applicant.
- ☒ The Certification of Submittal and the Certification of Ability and Willingness is signed by all applicants.
- ☒ BWSC20 Section G is complete.
- ☒ An LSP Opinion is attached regarding proposed or continuing response actions, if applicable pursuant to 310 CMR 40.0706(2)(c).
- ☒ Application part H is complete, if applicable as above.  
The LSP Opinion Statement is signed and stamped, if applicable as above.
- N/A ☐ Copies of all Status Reports, Phase Reports, or Completion Statements not previously submitted to DEP are attached.
- N/A ☐ An LSP Periodic Review Opinion is attached, if applicable pursuant to 310 CMR 40.0580.





**Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup**

**BWSC 20 - Tier 1 Permit Extension Application  
Application Completeness Checklist**

- N/A ☐ A copy of the tax assessor's map(s) showing each new parcel being added to the disposal site is attached.
- ☒ Affidavit of the publication of the legal notice required by 310 CMR 40.0703(8)(a)(1), and a copy of such notice is included.
- ☒ Copies of the cover letters and notices submitted to the Chief Municipal Officer(s) and Board(s) of Health in the community(ies) in which the disposal site is located, or in any other community(ies) which is, or is likely to be affected by the disposal site, as required by 310 CMR 40.0703(8)(a)(2) are included.

---

**Instructions for Submitting the Application Package:**

- Complete the Application Completeness Checklist.
- Submit a copy of the DEP Permit Transmittal Form along with the original and one copy of the Permit Extension Application to the "DEP Permit Administrator" in the applicable DEP regional office. (See the back cover of the Permit Application Kit for the addresses of the 4 regional offices).
- Send a copy of the DEP Permit Transmittal Form and the BWSC Permit Extension Application Fee of \$1,200.00, payable to the Commonwealth of Massachusetts to:

The Department of Environmental Protection  
P.O. Box 4062  
Boston, MA 02211-4062