

SCANNED

Parcel 5108

3-15009-Box-Rox
Tremont St. Parcel A3



WIA-L



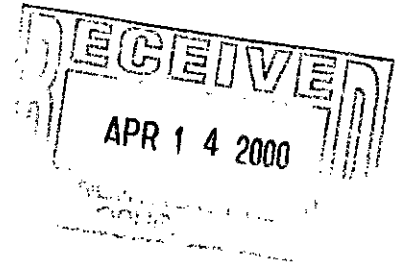
Boston Redevelopment Authority
WSE Project No. 200157.A

Roxbury
Parcel P-3 Tremont
3-15009

April 13, 2000

Mr. Steve Johnson, Chief
Bureau of Waste Site Cleanup
Department of Environmental Protection
205A Lowell Street
Wilmington, Massachusetts 01887

Re: Notification of Delay in Completing Phase II and Phase III Reports
BRA Parcel P-3
RTN 3-15009



Dear Mr. Johnson:

Weston & Sampson Engineers, Inc. (Weston and Sampson) is writing this letter on behalf of the Boston Redevelopment Authority (BRA), to notify you of the delay in completing the Phase II - Comprehensive Site Assessment Report and Phase III - Identification, Evaluation and Selection of Comprehensive Remedial Action Alternatives Plan for the above-referenced Tier II site. This notification is prepared in accordance with 310 CMR 40.0560 (5). The Phase II report and Phase III-Remedial Action Plan are due to the Department of Environmental Protection (DEP) on April 14, 2000. We are unable to submit either a Response Action Outcome (RAO) Statement, Phase II report and/or Phase III Remedial Action Plan because based on the data collected an RAO cannot be submitted at this time. The site will be developed in the near future, however at this time the development options have not been selected. The development options under consideration for the site will significantly impact the Phase III remedial options.

Background

In 1998, Weston & Sampson conducted a subsurface investigation that included installation of twelve borings/monitoring wells. Results of the investigation identified total petroleum hydrocarbons (TPH), lead and several polynuclear aromatic hydrocarbons (PAHs) exceeding reportable concentrations (RCs).

Following the initial fieldwork, 17 additional soil borings were advanced to further characterize the extent of contamination in fill in the areas where RCS-1 standards were exceeded. Fifteen of the 17 soil borings were advanced in a topographically elevated fill area in one portion of Parcel P-3. TPH, several PAHs and lead concentrations in soil from the top 9 feet in this area exceeded applicable Method 1 cleanup standards. In addition, PAH concentrations exceeded applicable Method 1 cleanup standards in all 15 soil borings in this area.

Mr. Steve Johnson
April 13, 2000
Page 2

Several PAHs also exceeded Method 1 cleanup standards in fill between 0 and 3 feet below pavement in a second area of P-3. Select soil samples containing the highest lead concentrations were analyzed for the Toxicity Characteristics Leaching Procedure (TCLP); TCLP lead concentrations were below the RCRA action level of 5 milligram per liter (mg/l). Concentrations of TPH, PAHs, and lead do not exceed Upper Concentration Limits (UCLs). The Phase I report and Tier Classification submittal was issued to DEP on April 14, 1998. The site was classified as a Tier II site.

Based on the data collected to date, contamination does not appear to have impacted all of P-3, and the "disposal site" is delineated as two separate non-contiguous parcels. The disposal site occupies approximately 2.5 acres of the entire 9-acre parcel. Consequently, the areal and vertical extent of contamination is fairly well understood at the site.

Access to the 1.5-acre portion of the disposal site is restricted by the presence of a 6-foot high chain-link fence, installed by the BRA to restrict access to this portion of P-3. Exposure to contaminated soils in the 1-acre portion of the disposal site is eliminated due to paving. Currently there are no on-site workers at the disposal site.

Reasons for Delay

BRA has considered a number of options for site development and is working closely with the surrounding community regarding the type of development for the area. Consequently the various development options have not yet been finalized. Similarly, it is likely that an RAO will require an Activity and Use Limitation (AUL). Without knowing the future development options for this property, it is difficult to prepare an AUL without being too restrictive to the whole of the P-3 site. Despite the extensive soil boring program conducted to date, there are a few data gaps that need to be addressed prior to the finalization of a Phase II or RAO. Consequently, additional data and further discussion of development options are required prior to completion of the Phase II/III and/or RAO.

Measures Taken to Minimize Delay and Schedule

Weston and Sampson has submitted to the BRA a scope of work (SOW) to perform the following:

- Collect additional subsurface data;
- Perform a Method 3 Risk Characterization;
- Evaluate Remedial Alternatives; and
- Prepare a Phase II/III Report.

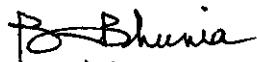
Mr. Steve Johnson
April 13, 2000
Page 3

BRA has verbally approved the SOW and we anticipate completing these tasks during the next six months. In addition, we will discuss future development options with BRA in order to evaluate the various Remedial Options and, should the data be favorable, prepare an RAO Statement (instead of the Phase II/III Report).

Should you have any questions, please do not hesitate to contact our office at (978) 532-1900.

Very truly yours,

WESTON & SAMPSON ENGINEERS, INC.



Prasanta K. Bhunia, Ph.D., LSP
Associate

cc: Mr. Thomas Ahern, Boston Redevelopment Authority
Mr. Richard Mertens, Boston Redevelopment Authority
Mr. Paul Osborn, Boston Redevelopment Authority
File

G:\HAZWASTE\BRA\PARCEL P-3 PHASE II DELAY LETTER.DOC



TIER CLASSIFICATION, TIER II EXTENSION &
TIER II TRANSFER TRANSMITTAL FORM

Release Tracking
Number

3 - 15009

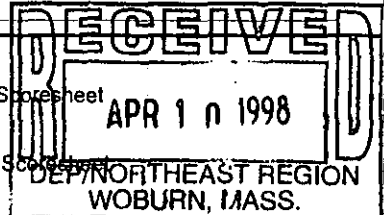
Pursuant to 310 CMR 40.0510 and 40.0560 (Subpart E)

A. DISPOSAL SITE LOCATION:

Disposal Site Name: Parcel P-3
Street: Tremont and Whittier Streets Location Aid: UTMs: 4688700 mN, 327800 mE
City/Town: Boston (Roxbury) ZIP Code: 02120-0000
Related Release Tracking Numbers That This Submittal Will Address: _____

B. THIS FORM IS BEING USED TO: (check all that apply)

- Submit a new or revised Tier Classification Submittal for a Tier I Site, including a Numerical Ranking Scoresheet (complete Sections A, B, C, I, J, K and L).
- Submit a new or revised Tier Classification Submittal for a Tier II Site, including a Numerical Ranking Scoresheet (complete Sections A, B, C, F, G, I, J, K and L).
- Submit a Notice that an additional Release Tracking Number(s) is (are) being linked to this Tier Classified Site and rescoring is not required at this time (complete Sections A, B, J, K and L). If this submittal is for a Tier I Site, you must also submit a Minor Permit Modification Transmittal Form (BWSC-109).
- List Additional Release Tracking Number(s): _____
- Submit a Phase I Completion Statement supporting a Tier Classification Submittal (complete Sections A, B, I, J, K and L).
- Submit a Tier II Extension Submittal for Response Actions at a Tier II Site (complete Sections A, B, D, F, G, I, J, K and L).
- Submit a Tier II Extension Submittal for Response Actions taken after expiration of a Waiver, pursuant to 310 CMR 40.0630(4) (complete Sections A, B, D, F, J, K and L, and also complete Sections G and I or Section H).*
- Submit a Tier II Transfer Submittal for a change in person(s) undertaking Response Actions at a Tier II Site (complete Sections A, B, E, F, G, I, J, K, L, M, N and O).
- Submit a Tier II Transfer Submittal for a change in person(s) undertaking Response Actions at a Waiver Site, pursuant to 310 CMR 40.0630(6) (complete Sections A, B, E, F, J, K, L, M, N and O, and also complete Sections G and I or Section H).*



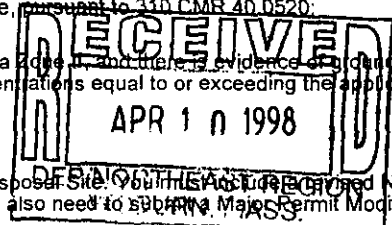
You must attach all supporting documentation required for each use of form indicated, including copies of any Legal Notices and Notices to Public Officials required by 310 CMR 40.1400.

*NOTE: The Waiver expires on the effective date of this submittal and all further Response Actions must be taken as a Tier II Site.

C. TIER CLASSIFICATION SUBMITTAL:

Numerical Ranking Score for Disposal Site: (from Numerical Ranking Scoresheet) 143
Proposed Tier Classification of Disposal Site: (check one) Tier IA Tier IB Tier IC Tier II

- Check which, if any, of the Tier I inclusionary criteria are met by the Disposal Site, pursuant to 310 CMR 40.0520:
- Groundwater is located within an Interim Wellhead Protection Area or a Zone II, and there is evidence of groundwater contamination by an Oil or Hazardous Material at the time of Tier Classification at concentrations equal to or exceeding the applicable RCGW-1 Reportable Concentration set forth in 310 CMR 40.0360.
 - An Imminent Hazard is present at the time of Tier Classification.
- Check here if this Tier Classification revises a previous submittal for this Disposal Site. You must also attach a revised Numerical Ranking Scoresheet with this submittal. If a Tier I Permit has been issued, you may also need to submit a Major Permit Modification Application (BWSC 10).
- If incorporating additional Release(s) into the Disposal Site, list Release Tracking Number(s): _____



D. TIER II EXTENSION SUBMITTAL REQUIREMENTS:

State the expiration date of the Tier II Classification or Waiver for the Disposal Site, whichever is applicable: _____
Attach a statement summarizing why a Permanent or Temporary Solution has not been achieved at the Disposal Site. A Tier II Extension is effective for a period of one year beyond the current expiration date of the Tier II Classification or Waiver.

E. TIER II TRANSFER SUBMITTAL REQUIREMENTS:

State the proposed effective date of the change in person(s) undertaking Response Actions at the Disposal Site: _____
Attach a statement summarizing the reasons for the proposed change in person(s) undertaking the Response Actions.
All Response Actions must be completed by the deadline applicable to the person who first filed either a Tier Classification Submittal for the Disposal Site or received a Waiver of Approvals.



TIER CLASSIFICATION, TIER II EXTENSION &
TIER II TRANSFER TRANSMITTAL FORM

Release Tracking
Number

3 - 15009

Pursuant to 310 CMR 40.0510 and 40.0560 (Subpart E)

DISPOSAL SITE COMPLIANCE HISTORY SUMMARY:

- > If providing either a Tier Classification Submittal for a Tier II Site or a Tier II Extension Submittal for a Waiver Site, the person named in Section J must provide a Compliance History.
- > If providing a Tier II Extension Submittal for a Tier II Site, the person named in Section J must update their Compliance History since the effective date of the Tier II Classification.
- > If providing a Tier II Transfer Submittal for a Tier II or Waiver Site, the person named in Section M must provide a Compliance History.

Compliance History for (provide only one name per History): Boston Redevelopment Authority

Check here if there has been no change to the Compliance History of the person named above (Extension Submittal for a Tier II Site ONLY).

List all permits or licenses that have been issued by the Department that are relevant to this Disposal Site:

PROGRAM:	PERMIT NUMBER:	PERMIT CATEGORY:	FACILITY ID:
Air Quality	NA	NA	NA
Hazardous Waste (M.G.L. c. 21C)	NA	NA	NA
Solid Waste	NA	NA	NA
Industrial Wastewater Management	NA	NA	NA
Water Supply	NA	NA	NA
Water Pollution Control/Surface Water	NA	NA	NA
Water Pollution Control/Groundwater	NA	NA	NA
Water Pollution Control/Sewer Connection	NA	NA	NA
Wetland & Waterways	NA	NA	NA

List all other Federal, state or local permits, licenses, certifications, registrations, variances, or approvals that are relevant to this Disposal Site:

ISSUING AUTHORITY OR PROGRAM, OR DOCUMENTATION TYPE:	IDENTIFICATION NUMBER:	DATE ISSUED:
NA	NA	NA

If needed, attach to this Transmittal Form a statement further describing the Compliance History of this Disposal Site. This statement must describe the compliance history of the person named above with the following:

- (1) DEP regulations; and
- (2) other laws for the protection of health, safety, public welfare and the environment administered or enforced by any other government agency.

Such a statement should identify information such as:

- (1) actions relevant to the Disposal Site taken by the Department to enforce its requirements including, but not limited to, a Notice of Noncompliance (NON), Notice of Intent to Assess Civil Administrative Penalty (PAN), Notice of Intent to Take Response Action (NORA), and an administrative enforcement order;
- (2) administrative consent orders;
- (3) judicial consent judgements;
- (4) similar administrative actions taken by other Federal, state or local agencies;
- (5) civil or criminal actions relevant to the Disposal Site brought on behalf of the DEP or other Federal, state, or local agencies; and
- (6) any additional relevant information.

For each action identified, provide the following information:

- (1) name of the issuing authority, type of action, identification number and date issued;
- (2) description of noncompliance cited;
- (3) current status of the matter; and
- (4) final disposition, if any.



TIER CLASSIFICATION, TIER II EXTENSION &
TIER II TRANSFER TRANSMITTAL FORM

Pursuant to 310 CMR 40.0510 and 40.0560 (Subpart E)

Release Tracking
Number

3 - 15009

G. CERTIFICATION OF ABILITY AND WILLINGNESS:

> If providing either a Tier II Classification Submittal or a Tier II Extension Submittal, the person who signs this certification MUST be the person named in Section J, or that person's agent.

> If providing a Tier II Transfer Submittal, the person who signs this certification MUST be the person named in Section M, or that person's agent.

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/those 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.

By: 
(signature)

Title: DIRECTOR

For: Boston Redevelopment Authority
(print name of person or entity recorded in Section J or M, as appropriate)

Date: APR 7 1998

If you are submitting either a Tier II Extension Submittal for a Waiver Site or a Tier II Transfer Submittal for a Waiver Site, you may choose to sign the alternative Ability and Willingness Certification found in Section H in place of providing the certification in Section G and the LSP Opinion in Section I.

H. ALTERNATIVE CERTIFICATION OF ABILITY AND WILLINGNESS:

> If providing a Tier II Extension Submittal for a Waiver Site, the person who signs this certification MUST be the person named in Section J, or that person's agent.

> If providing a Tier II Transfer Submittal for a Waiver Site, the person who signs this certification MUST be the person named in Section M, or that person's agent.

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 Consultant-of-Record 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/those 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.

By: _____
(signature)

Title: _____

For: _____
(print name of person or entity recorded in Section J or M, as appropriate)

Date: _____

I. LSP OPINION:

I attest under the pains and penalties of perjury that I have personally examined and am familiar with this transmittal form, 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,

> If Section B of this form indicates that a Tier I or Tier II Classification Submittal which relies upon a previously submitted Phase I Completion Statement is being submitted, this Tier Classification Submittal has been developed in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000;

> If Section B of this form indicates that a Phase I Completion Statement or a Tier I or Tier II Classification Submittal which does not rely upon a previously submitted Phase I Completion Statement is being submitted, the response action(s) that is (are) the subject of this submittal (i) has (have) been developed and implemented in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii) is (are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, and (iii) complies(y) with the identified provisions of all orders, permits, and approvals identified in this submittal;

SECTION I IS CONTINUED ON THE NEXT PAGE



TIER CLASSIFICATION, TIER II EXTENSION &
TIER II TRANSFER TRANSMITTAL FORM

Pursuant to 310 CMR 40.0510 and 40.0560 (Subpart E)

Release Tracking
Number

3 - 15009

I. LSP OPINION: (continued)

> If Section B of this form indicates that a Tier II Extension Submittal or a Tier II Transfer Submittal is being submitted, the response action(s) that is (are) the subject of this submittal (i) is (are) being implemented in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii) is (are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, and (iii) complies(y) with the identified provisions of all orders, permits, and approvals identified 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.

Check here if the Response Action(s) on which this opinion is based, if any, are (were) subject to any order(s), permit(s) and/or approval(s) issued by DEP or EPA. If the box is checked, you MUST attach a statement identifying the applicable provisions thereof.

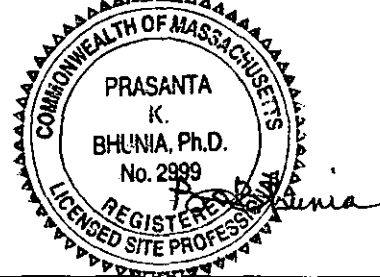
LSP Name: Dr. Prasanta K. Bhunia LSP #: 2999 Stamp:

Telephone 978-532-1900 Ext.: 2287

FAX: 978-977-0110
(optional)

Signature: *P. Bhunia*

Date: 4/10/98



J. PERSON MAKING SUBMITTAL:

Name of Organization: Boston Redevelopment Authority

Name of Contact: Mr. Thomas N. O'Brien (c/o Mr. Richard Mertens) Title: Director

Street: 1 City Hall Plaza

City/Town: Boston State: MA ZIP Code: 02201-1007

Telephone: 617-722-9950 Ext.: 4283 FAX: 617-742-7783
(optional)

K. RELATIONSHIP TO DISPOSAL SITE OF PERSON MAKING SUBMITTAL: (check one)

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))

Any Other Person Making Submittal Specify Relationship: _____

L. CERTIFICATION OF PERSON MAKING SUBMITTAL:

I, Thomas O'Brien, 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.

By: *[Signature]* Title: Director
(signature)

For: Boston Redevelopment Authority Date: APR 7 1998
(print name of person or entity recorded in Section J)

Enter address of the person providing certification(s), including Ability and Willingness Certification where applicable, if different from address recorded in Section J:

Street: _____

City/Town: _____ State: _____ ZIP Code: _____

Telephone: _____ Ext. _____ FAX: _____
(optional)

YOU MUST COMPLETE ALL RELEVANT SECTIONS OF THIS FORM OR DEP MAY RETURN THE DOCUMENT AS INCOMPLETE. IF YOU SUBMIT AN INCOMPLETE FORM, YOU MAY BE PENALIZED FOR MISSING A REQUIRED DEADLINE, AND YOU MAY INCUR ADDITIONAL COMPLIANCE FEES.

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
Bureau of Waste Site Cleanup

NUMERICAL RANKING SYSTEM SCORESHEET
(310 CMR 40.1511)

CLASSIFICATION SUBMITTAL	
Initial Submittal	Re-Classification
<input checked="" type="checkbox"/>	<input type="checkbox"/>

DISPOSAL SITE SCORE					
II	III	IV	V	VI	TOTAL
<u>15</u>	<u>73</u>	<u>35</u>	<u>20</u>	<u>0</u>	<u>143</u>

Disposal Site Tier Classification	I	II	
Permit Category (Tier I Only)	A	B	C

DISPOSAL SITE INFORMATION

DEP Release Tracking Number(s)	3-15009
DEP Disposal Site Number(s)	

UTM Coordinates	N: 4,688,700 m
	E: 327,800 m

Disposal Site Name	Parcel P-3		
Disposal Site Address	Tremont and Whittier Street		
	City: Boston/Roxbury	Zip:	

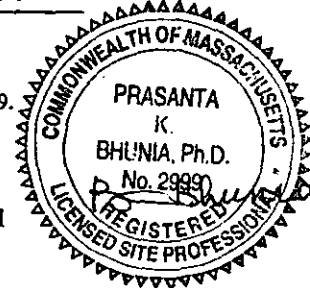
Is the Disposal Site classified Tier I because it is located within the boundaries of a Zone II or Interim Wellhead Protection Area and groundwater concentrations equal or exceed RCGW-1 at the time of Tier Classification pursuant to 310 CMR 40.0520(2)(a)1.?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Is the Disposal Site classified Tier I because an Imminent Hazard is present at the time of Tier Classification pursuant to 310 CMR 40.0520(2)(a)2.?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>

I attest under the pains and penalties of perjury that I have personally completed this Numerical Ranking System Scoresheet, and have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this submittal, and in my professional opinion and judgment based upon: (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 Scoresheet 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.

Prasanta K. Bhunia
Licensed Site Professional Signature
Prasanta K. Bhunia
LSP Name (Printed)

2999
LSP Registration Number
Weston & Sampson Engineers, Inc. (978) 532-1900
Company Name
4/10/98
Date
Telephone Number

Responsible Party, Potentially Responsible Party, or Other Person who will provide certification in accordance with 310 CMR 40.0009.



40.1511 (Continued)

II. EXPOSURE PATHWAYS

II.		EXPOSURE PATHWAYS			
<i>Score according to 40.1512 - Exposure Pathway Designation Criteria</i>					
MEDIA		DESIGNATION			
		NONE or NOT APPLICABLE	EVIDENCE OF CONTAMINATION	POTENTIAL EXPOSURE PATHWAY	LIKELY OR CONFIRMED EXPOSURE PATHWAY
A. SOIL (Includes Sediment)		0	15	100	150
B. GROUNDWATER		0	20	100	150
C. SURFACE WATER (Includes Wetlands)		0	20	100	150
D. AIR		0	15	100	200

Note: Score only the highest value for each media, i.e., score None or Not Applicable or Evidence of Contamination or Potential Exposure Pathway or Likely or Confirmed Exposure Pathway.

II. (A - D)	Summary Rationale for Section II A - D Values and Phase I Report References
A.	OHM in soil > RCs, site access restricted. See p. 5-1, 5-2, 6-1, Tables 3 & 4
B.	Contaminants in groundwater were below RCs. p. 5-2, 6-1, Table 5
C.	There are no surface water bodies at the site. p. 2-5, Figure 3
D.	No VOCs detected in air; background concentrations were <0.2 ppm on the PID. p. 5-1, Table 2

II.E.	OHM SOURCES		
Number of OHM Sources:	1	2	≥ 3
	0	25	50

SECTION II SCORE (A. + B. + C. + D. + E.)					
A.	B.	C.	D.	E.	TOTAL: (15 - 700)
15	0	0	0	0	15

Check here if Section VI has been used to amend the score for this Section of the NRS.	<input type="checkbox"/>
--	--------------------------

40.1511 (Continued)

III. DISPOSAL SITE CHARACTERISTICS

III.A.	<p>OHM TOXICITY SCORE</p> <p><i>Highest OHM Toxicity Score</i> <i>From Table III.A. or Worksheet III.A.1. on Following Pages.</i></p>
--------	---

OHM Scored: <u>Lead</u>	Toxicity Score (1 - 80)
Concentration and Media: <u>total lead soil, 5,000 ug/g</u>	<u>40</u>

III.B. MULTIPLE OHMs		
More Than One OHM With an OHM Toxicity Score of \geq 30	No	Yes
	<u>0</u>	<u>30</u>

III.C.	<p>OHM MOBILITY and PERSISTENCE</p> <p><i>Score according to 40.1514 - OHM Mobility and Persistence</i></p>
--------	--

OHM Scored: <u>Lead</u>	Score (0 - 50)
	<u>25</u>

III.D.	<p>DISPOSAL SITE HYDROGEOLOGY</p> <p><i>Score according to 40.1515 - Soil Permeability</i></p>
--------	---

DEPTH TO GROUNDWATER (in feet)	SOIL PERMEABILITY		
	Low	Medium	High
> 25	2	4	8
10.1 - 25	4	<u>8</u>	12
5.1 - 10	8	12	16
0 - 5	12	16	20

SECTION III SCORE (A + B + C + D)				
A.	B.	C.	D.	TOTAL: (3 - 180)
<u>40</u>	<u>0</u>	<u>25</u>	<u>8</u>	<u>73</u>

Check here if Section VI has been used to amend the score for this Section of the NRS.	<input checked="" type="checkbox"/>
--	-------------------------------------

40.1511 (Continued)

Table III.A.		OHM TOXICITY SCORE						
OHM	CONCENTRATION (soil/sediment: µg/g; surface/groundwater µg/l)							
	≤ 99	100 - 999	1,000 - 9,999	10,000 - 100,000	> 100,000 NAPL < 0.5"	NAPL 0.5" - 12"	NAPL > 12"	
Arsenic	20	30	40	50	60			
Benzene	15	25	35	45	55	65	75	
Bis(2-ethylhexyl)phthalate	10	20	30	40	50	60	70	
Cadmium	10	20	30	40	50			
Carbon Tetrachloride	20	30	40	50	60	70	80	
Chlorobenzene	5	15	25	35	45	55	65	
Chromium III	1	10	20	30	40			
Chromium VI	10	20	30	40	50			
Coal Tar	5	15	25	35	45	55	65	
Cyanide	5	15	25	35	45			
1,1 Dichloroethane	10	20	30	40	50	60	70	
1,2 Dichloroethane	10	20	30	40	50	60	70	
Ethylbenzene	5	15	25	35	45	55	65	
Ethylene Dibromide	20	30	40	50	60	70	80	
#2 Fuel Oil (virgin product)	5	15	(25)	35	45	55	65	
Gasoline (virgin product)	10	20	30	40	50	60	70	
Lead	20	30	(40)	50	60			
Mercury	20	30	40	50	60	70	80	
Methylene Chloride	10	20	30	40	50	60	70	
Methyl Ethyl Ketone	5	15	25	35	45	55	65	
Methyl Tert Butyl Ether	10	20	30	40	50	60	70	
Nickel	5	15	25	35	45			
Phenol	1	10	20	30	40	50	60	
PAHs	10	(20)	30	40	50	60	70	
PCBs	20	30	40	50	60	70	80	
Tetrachloroethylene	10	20	30	40	50	60	70	
Toluene	1	10	20	30	40	50	60	
1,1,1 Trichloroethane	5	15	25	35	45	55	65	

1/13/95 (Effective 2/1/95)

310 CMR - 1754

Table III.A.

OHM TOXICITY SCORE

OHM	CONCENTRATION (soil/sediment: µg/g; surface/groundwater µg/l)						
	≤ 99	100 - 999	1,000 - 9,999	10,000 - 100,000	> 100,000 NAPL < 0.5"	NAPL 0.5" - 12"	NAPL > 12"
Trichloroethylene	15	25	35	45	55	65	75
Vinyl Chloride	15	25	35	45	55	65	75
Xylenes	1	10	20	30	40	50	60
Zinc	1	10	20	30	40		

40.1511 (Continued)

Use Worksheet III.A.1. to determine the OHM Toxicity Score for OHM not listed in Table III.A.
See 40.1513 for Human Health-Based Toxicity Values for each OHM.

Worksheet III.A.1		OHM TOXICITY SCORE					
HUMAN HEALTH-BASED TOXICITY VALUE	CONCENTRATION						
	Use pg/g for Soil and pg/l for Surface Water and Groundwater						
	≤ 99	100 - 999	1,000 - 9,999	10,000 - 100,000	> 100,000 NAPL < 0.5"	NAPL 0.5" - 12"	NAPL > 12"
< 5	1	10	20	30	40	50	60
5 - 19	5	15	25	35	45	55	65
20 - 29	10	20	30	40	50	60	70
30 - 39	15	25	35	45	55	65	75
40 - 50	20	30	40	50	60	70	80

III.A.1.		OHM and Concentrations Used in Section III.A.1.			
OHM	Human Health-Based Toxicity Value	Concentration (Soil - pg/g)	Concentration (Water - pg/l)	OHM Toxicity Score	
Naphthalene	18	82	--	5	
2-Methylnaphthalene	25**	23		10	
Benzo(a)anthracene	28	39	--	10	
Chrysene	28	44		10	
Benzo(b)fluoranthene	28	34		10	
Benzo(k)fluoranthene	28	35		10	
Benzo(a)pyrene	44	39		20	
Dibenzo(a,h)anthracene	25**	47		10	
Indeno(1,2,3-cd)pyrene	25**	14		10	
Phenanthrene	25	110		20	

** Assumed value

40.1511 (Continued)

IV. HUMAN POPULATION AND LAND USES

IV.A. HUMAN POPULATION				
Residential Population Within 1/4 Mile	None 0	1 - 99 5	100 - 999 10	≥ 1,000 15
Institutions Within 500 feet	None 0		One or More 10	
On-Site Workers	None 0	1 - 99 5	100 - 999 10	≥ 1,000 15

IV.B. AQUIFERS		
Sole Source Aquifer	No 0	Yes 25
Potentially Productive Aquifer	No 0	Medium or High 15

IV.C. WATER USE					
Proximity of Disposal Site to Public Drinking Water Supply Source	Not Applicable (NA) 0			Zone A 20	Zone II, IWPA, or SW Intake ≤ 400' 50
Persons Served by Public Drinking Water Supply	NA 0	25 - 999 5	1,000 - 4,999 10	5,000 - 49,999 20	≥ 50,000 25
Private Water Supplies Within 500 Feet	None 0		Commercial Industrial 10	Agriculture Residential (Not Ingested) 15	Drinking Food Processing 25
Alternative Public Water Supply Available (Viable Public Water Supply in Disposal Site Community and Public Water Connection ≤ 500 Feet from Site)	Yes 0			No 25	

SECTION IV SCORE (A + B + C)			
A.	B.	C.	TOTAL: (0 - 205)
35	0	0	35

Check here if Section VI has been used to amend the score for this Section of the NRS.

40.1511 (Continued)

V. ECOLOGICAL POPULATION

V.A. ENVIRONMENTAL RESOURCE AREAS			
RESOURCE	LOCATION		
Area of Critical Environmental Concern	> 500' from Site 0	≤ 500' from Site 20	On-Site 30
Species of Special Concern, Threatened or Endangered Species Habitat	> 500' from Site 0	On-Site or ≤ 500' from Habitat 30	
Wetlands, Certified Vernal Pool, or Outstanding Resource Water	> 100' from Site 0	≤ 100' from Site 20	On-Site 30
Fish Habitat	> 500' from Site 0	≤ 500' from Site 20	On-Site 30
Protected Open Space (Local/State/Federal/Trustee)	> 500' from Site 0	≤ 500' from Site 20	On-Site 30

SCORE SECTION V.B. ONLY IF SECTION V.A. SCORE IS ≥ 30.

V.B. ENVIRONMENTAL TOXICITY SCORE	
<i>Highest Environmental Toxicity Score From Table V.B. or Worksheet V.B.I. on Following Pages.</i>	
OHM Scored: _____ Concentration and Media: _____	Toxicity Score (1 - 35) N/A

SECTION V. SCORE (A. + B.)		
A. 20	B. N/A	TOTAL: (0 - 185) 20

Check here if Section VI has been used to amend the score for this Section of the NRS.	<input type="checkbox"/>
--	--------------------------

40 511 (Continued)

Table V.B. ENVIRONMENTAL TOXICITY SCORE					
OHM	CONCENTRATION (soil/sediment: µg/g; surface/groundwater µg/l)				
	< 1	1 - 99	100 - 999	1,000 - 9,999	≥ 10,000
Arsenic	5	10	15	20	25
Benzene	0	1	5	10	15
Bis(2-ethylhexyl)phthalate *	5	10	15	20	25
Cadmium	10	15	20	25	30
Carbon Tetrachloride	0	1	5	10	15
Chlorobenzene *	5	10	15	20	25
Chromium III	1	5	10	15	20
Chromium VI	5	10	15	20	25
Coal Tar *	5	10	15	20	25
Cyanide	5	10	15	20	25
1,1 Dichloroethane *	5	10	15	20	25
1,2 Dichloroethane	0	1	5	10	15
Ethylbenzene	0	1	5	10	15
Ethylene Dibromide *	5	10	15	20	25
#2 Fuel Oil (virgin product) *	1	5	10	15	20
Gasoline (virgin product) *	5	10	15	20	25
Lead	5	10	15	20	25
Mercury	15	20	25	30	35
Methylene Chloride *	5	10	15	20	25
Methyl Ethyl Ketone *	5	10	15	20	25
Methyl Tert Butyl Ether *	1	5	10	15	20
Nickel	1	5	10	15	20
Phenol	0	1	5	10	15
PAHs *	5	10	15	20	25
PCBs	15	20	25	30	35
Tetrachloroethylene	0	1	5	10	15
Toluene	0	1	5	10	15
1,1,1 Trichloroethane	0	1	5	10	15
Trichloroethylene	0	1	5	10	15

Table V.B.		ENVIRONMENTAL TOXICITY SCORE				
OHM		CONCENTRATION (soil/sediment: $\mu\text{g/g}$; surface/groundwater $\mu\text{g/l}$)				
		< 1	1 - 99	100 - 999	1,000 - 9,999	$\geq 10,000$
Vinyl Chloride	*	5	10	15	20	25
Xylenes	*	5	10	15	20	25
Zinc		1	5	10	15	20

* Scores derived by default methods 40.1516(2).

NON-TEXT PAGE

40.1511 (Continued)

Use Worksheet V.B.1. to determine Environmental Toxicity Scores for OHM not listed in Table V.B.
See 40.1516 for Environmental Toxicity Values for each OHM.

Worksheet V.B.1		ENVIRONMENTAL TOXICITY SCORE				
ENVIRONMENTAL TOXICITY VALUE		CONCENTRATION				
		Use $\mu\text{g/g}$ for Soil and $\mu\text{g/l}$ for Surface Water or Groundwater				
		< 1	1 - 99	100 - 999	1,000 - 9,900	$\geq 10,000$
10		0	1	5	10	15
20		1	5	10	15	20
30		5	10	15	20	25
40		10	15	20	25	30
50		15	20	25	30	35

V.B.1.		OHM and Concentrations Used in Section V.B.1.			
OHM		Environmental Toxicity Value	Concentration (Soil - $\mu\text{g/g}$)	Concentration (Water - $\mu\text{g/l}$)	Environmental Toxicity Score

40.151 (Continued)

VI. MITIGATING DISPOSAL SITE-SPECIFIC CONDITIONS

VI.	MITIGATING DISPOSAL SITE-SPECIFIC CONDITIONS
<p>Disposal site-specific conditions that warrant amending the site score. Changes directly related to NRS Sections or Subsection scores may not reduce the score more than the relevant subsection value assigned for the disposal site in that subsection. Section VI must reference specific pages of the Phase I. Section VI may not exceed ± 50 Points and may be scored only in 5-point increments. Attach additional pages as necessary.</p>	

40.1512(3) Surface Water

II.C.		SURFACE WATER EXPOSURE CRITERIA	
DEFINITION	As defined by 310 CMR 40.0006, including rivers, streams, lakes, ponds, springs, impoundments, estuaries, wetlands, coastal waters and vernal pools.		
DESIGNATION	CRITERIA	POINTS	
NONE or NOT APPLICABLE	<ul style="list-style-type: none"> OHM likely attributable to the disposal site has not been identified in, and is not anticipated to be identified in, surface waters. 	0	
EVIDENCE OF CONTAMINATION (Assumes No Exposure Pathway)	<p><i>Any of the Following</i></p> <ul style="list-style-type: none"> A release (past or on-going) of OHM to surface water has been identified. <p style="text-align: center;"><i>or</i></p> Qualitative evidence of a release. <ul style="list-style-type: none"> OHM-attributable visible sheen or discoloration; <i>or</i> OHM entering surface water; <i>or</i> OHM-attributable stained soils in contact with surface water; <i>or</i> There is a reasonable likelihood that OHM will be identified in surface water as a result of OHM migration. <p style="text-align: center;"><i>or</i></p> OHM, likely attributable to the disposal site, has been identified in groundwater at concentrations that are likely to result in detectable concentrations in surface water. 	20	
POTENTIAL EXPOSURE PATHWAY	<p><i>Either of the Following</i></p> <ul style="list-style-type: none"> OHM, likely to be attributable to the disposal site, has been identified in a surface water known to be used for drinking, swimming, boating or fishing. <p style="text-align: center;"><i>or</i></p> OHM, likely to be attributable to the disposal site, has been identified at concentrations \geq Ambient Water Quality Criteria (AWQC) pursuant to 40.1505(2) and 40.1516(1). 	100	
LIKELY or CONFIRMED EXPOSURE PATHWAY	<p><i>Any of the Following</i></p> <ul style="list-style-type: none"> There is a reasonable likelihood that a surface public drinking water supply has been or may be impacted by OHM from the disposal site. <p style="text-align: center;"><i>or</i></p> OHM, possibly attributable to the disposal site, has been identified at the entry point to a public drinking water supply distribution system. <p style="text-align: center;"><i>or</i></p> A fish advisory likely attributable to the disposal site is in effect. <p style="text-align: center;"><i>or</i></p> OHM likely attributable to the disposal site present has been identified at concentrations \geq Ambient Water Quality Criteria (AWQC) pursuant to 40.1505(2) and 40.1516(1), and the disposal site is located in or contains: an Area of Critical Environmental Concern (ACEC); a mapped habitat of a Species of Special Concern, Endangered or Threatened Species; a Certified Vernal Pool; a Restricted Wetland; an Outstanding Resource Water; a fish habitat; or a Protected Open Space. 	150	

40.512(2) Groundwater

II.B. GROUNDWATER EXPOSURE CRITERIA		
DEFINITION	Score source area and extent of plume(s) as defined by most recent field studies.	
DESIGNATION	CRITERIA	POINTS
NONE or NOT APPLICABLE	<p><i>Either of the Following</i></p> <ul style="list-style-type: none"> ▶ OHM likely attributable to the disposal site has not been identified in, and is not anticipated to be identified in, groundwater. <li style="text-align: center;"><i>or</i> ▶ OHM has not been identified in groundwater at concentrations \geq applicable groundwater RCs. This criteria may be met by conducting a response action, in accordance with these regulations, to reduce groundwater concentrations. 	0
EVIDENCE OF CONTAMINATION (Assumes No Exposure Pathway)	<p><i>Any of the Following</i></p> <ul style="list-style-type: none"> ▶ A release of OHM to groundwater has been identified but no laboratory analysis has been conducted. <li style="text-align: center;"><i>or</i> ▶ A non-aqueous phase liquid (NAPL) has been identified in or on the groundwater. <li style="text-align: center;"><i>or</i> ▶ OHM has been identified in groundwater at concentrations \geq applicable groundwater RCs. 	20
POTENTIAL EXPOSURE PATHWAY	<p><i>Either of the Following</i></p> <ul style="list-style-type: none"> ▶ A private drinking water well is located within 500' of any portion of a disposal site where OHM has been identified in groundwater at concentrations \geq 310 CMR 40.0974(2). <li style="text-align: center;"><i>or</i> ▶ The disposal site is located within a Zone II or upgradient of a public well within an Interim Wellhead Protection Area and OHM has been identified in groundwater at concentrations \geq 310 CMR 40.0974(2). 	100
LIKELY or CONFIRMED EXPOSURE PATHWAY	<p><i>Either of the Following</i></p> <ul style="list-style-type: none"> ▶ OHM, possibly attributable to the disposal site, has been identified in a public or private drinking water supply well. Drinking water samples shall be taken prior to treatment or blending. <li style="text-align: center;"><i>or</i> ▶ A reasonable likelihood exists that a public or private drinking water supply well has been or is likely to be impacted by OHM from the disposal site. 	150

40.1512(3) Surface Water

II.C.		SURFACE WATER EXPOSURE CRITERIA	
DEFINITION	As defined by 310 CMR 40.0006, including rivers, streams, lakes, ponds, springs, impoundments, estuaries, wetlands, coastal waters and vernal pools.		
DESIGNATION	CRITERIA	POINTS	
NONE or NOT APPLICABLE	<ul style="list-style-type: none"> ▶ OHM likely attributable to the disposal site has not been identified in, and is not anticipated to be identified in, surface waters. 	0	
EVIDENCE OF CONTAMINATION (Assumes No Exposure Pathway)	<p style="text-align: center;"><i>Any of the Following</i></p> <ul style="list-style-type: none"> ▶ A release (past or on-going) of OHM to surface water has been identified. <li style="text-align: center;"><i>or</i> ▶ Qualitative evidence of a release. <ul style="list-style-type: none"> • OHM-attributable visible sheen or discoloration; or • OHM entering surface water; or • OHM-attributable stained soils in contact with surface water; or • There is a reasonable likelihood that OHM will be identified in surface water as a result of OHM migration. <li style="text-align: center;"><i>or</i> ▶ OHM, likely attributable to the disposal site, has been identified in groundwater at concentrations that are likely to result in detectable concentrations in surface water. 	20	
POTENTIAL EXPOSURE PATHWAY	<p style="text-align: center;"><i>Either of the Following</i></p> <ul style="list-style-type: none"> ▶ OHM, likely to be attributable to the disposal site, has been identified in a surface water known to be used for drinking, swimming, boating or fishing. <li style="text-align: center;"><i>or</i> ▶ OHM, likely to be attributable to the disposal site, has been identified at concentrations \geq Ambient Water Quality Criteria (AWQC) pursuant to 40.1505(2) and 40.1516(1). 	100	
LIKELY or CONFIRMED EXPOSURE PATHWAY	<p style="text-align: center;"><i>Any of the Following</i></p> <ul style="list-style-type: none"> ▶ There is a reasonable likelihood that a surface public drinking water supply has been or may be impacted by OHM from the disposal site. <li style="text-align: center;"><i>or</i> ▶ OHM, possibly attributable to the disposal site, has been identified at the entry point to a public drinking water supply distribution system. <li style="text-align: center;"><i>or</i> ▶ A fish advisory likely attributable to the disposal site is in effect. <li style="text-align: center;"><i>or</i> ▶ OHM likely attributable to the disposal site present has been identified at concentrations \geq Ambient Water Quality Criteria (AWQC) pursuant to 40.1505(2) and 40.1516(1), and the disposal site is located in or contains: an Area of Critical Environmental Concern (ACEC); a mapped habitat of a Species of Special Concern, Endangered or Threatened Species; a Certified Vernal Pool; a Restricted Wetland; an Outstanding Resource Water; a fish habitat; or a Protected Open Space. 	150	

40.1512(4) Air

II.D. AIR EXPOSURE CRITERIA		
DEFINITION	Air contamination includes both vapors, particularly focusing on indoor air, and particulates. Score only releases regulated under C. 21E; do not score permitted releases associated with on-going commercial or industrial processes.	
DESIGNATION	CRITERIA	POINTS
NONE or NOT APPLICABLE	<ul style="list-style-type: none"> OHM likely attributable to the disposal site has not been identified in, and is not anticipated to be identified in, air. 	0
EVIDENCE OF CONTAMINATION (Assumes No Exposure Pathway)	<p style="text-align: center;"><i>Any of the following</i></p> <ul style="list-style-type: none"> A release, or potential release, of OHM to air has been identified. <i>or</i> OHM that may be released to air as particulate material has been identified in the top 6" of the ground surface. Unbroken paved/concrete slab surfaces may be interpreted as preventing release of particulates to air. <i>or</i> OHM that may be released to air as a vapor has been identified in an open container or surface impoundment that is part of the disposal site. <i>or</i> An odor that is reasonably attributable to a release of OHM at the disposal site has been identified. 	15
POTENTIAL EXPOSURE PATHWAY	<p style="text-align: center;"><i>Any of the Following</i></p> <ul style="list-style-type: none"> OHM releases, likely attributable the disposal site, have been repeatedly identified in ambient air within 100' of a residence, school, hospital, nursing home, or playground when such releases are above ambient background concentrations and are not related to permitted releases. <i>or</i> Total volatile organic compounds have been identified in groundwater at concentrations ≥ 5 mg/l within 30 feet of a school or occupied residence where the depth to groundwater is ≤ 15 feet. Soil gas surveys or indoor air sampling may be conducted to demonstrate no exposure to OHM. <i>or</i> A reasonable likelihood exists that the indoor air quality of an occupied building will be impacted by OHM likely attributable to the disposal site. 	100
LIKELY or CONFIRMED EXPOSURE PATHWAY	<p style="text-align: center;"><i>Either of the Following</i></p> <ul style="list-style-type: none"> OHM has been identified in indoor air in an occupied building, above background concentrations, when the OHM is likely attributable to a non-permitted release at the disposal site. <i>or</i> A reasonable likelihood exists that OHM likely attributable to the disposal site is affecting air quality in an occupied building. 	200

40.1513 Human Health-Based Toxicity Values and Scores

(1) The Human Health-Based Toxicity Values found in 310 CMR 40.1513(2) shall be used to score OHM not included in Table III.A. of the Scoresheet. If a site-related OHM is not listed in 310 CMR 40.1513(2) use the Relative Toxicity Value Matrix [310 CMR 40.1513(3)] to derive a OHM-specific Toxicity Value. Correlate the value derived using 310 CMR 40.1513(3) with the OHM concentration to determine the OHM Toxicity Score using Worksheet III.A.1. in the Scoresheet. Record each OHM name, Toxicity Value, concentration and Toxicity Score in Table III.A.1 of the Scoresheet.

(2) Human Health-Based Toxicity Values

40.1513(2) Human Health-Based Toxicity Values and Scores								
OHM	CAS Number	Chronic Oral RfD mg/kg/d	Oral Cancer Slope Factor 1/(mg/kg/d)	CLASS	Inhalation Cancer Slope Factor 1/(mg/kg/d)	CLASS	HUMAN TOXICITY VALUE	
Acenaphthene	83329	6.0e-02					8	
Acenaphthylene	208968			D		D	25	
Acephate	30560191	4.0e-03	8.7e-03	C		ND	30	
Acetaldehyde	75070						25	
Acetone	67641	1.0e-01		D		D	8	
Acetone Cyanohydrin	75865	7.0e-02					8	
Acetonitrile	75058	6.0e-03		D			25	
Acetophenone	98862	1.0e-01		D		D	8	
Acetyl Chloride	75365			D		D	25	
Acrolein	107028	2.0e-02		C		C	25	
Acrylamide	79061	2.0e-04	4.5e+00	B2	4.5e+00	B2	46	
Acrylic acid	79107	8.0e-02					8	
Acrylonitrile	107131		5.4e-01	B1	2.4e-01	B1	28	
Alachlor	15972608	1.0e-02	8.0e-02	B2		B2	25	
Aldicarb	116063	2.0e-04		D		D	40	
Aldrin	309002	3.0e-05	1.7e+01	B2	1.7e+01	B2	50	
Alkanes/Alkenes							25	
Allyl Alcohol	107186	5.0e-03					25	
Allyl Chloride	107051	5.0e-02		C		C	22	
Aluminum phosphide	20859738	4.0e-04					40	
Ametryn	834128	9.0e-03					18	
Aminopyridine, 4-	504245	2.0e-05		D		D	40	
Ammonia	7664417						25	
Ammonium Acetate	631618			D		D	25	
Aniline	62533		5.7e-03	B2		B2	22	
Anthracene	120127	3.0e-01		D		D	4	

REFERENCES

- * Solubility of 1,000,000 mg/l assigned because of reported "infinite solubility" in the literature.
- 1 "Superfund Public Health Evaluation Manual", Office of Emergency and Remedial Response Office of Solid Waste and Emergency Response, U.S. Environmental Protection Agency, 1986.
- a. Environmental Criteria and Assessment Office (ECAO), EPA, Health Effects Assessments for Specific Chemicals, 1985.
- b. Mabey, W.R., J.H. Smith, R.T. Rodoll, H.L. Johnson, T. Mill, T.W. Chou, J. Gaies, I.W. Patriage, H. Jaber, and D. Vanderberg. "Aquatic Fate Process Data for Organic Priority Pollutants," EPA Contract Nos. 68-01-3867 and 68-03-2981 by SRA International for Monitoring and Data Support Division, Office of Water Regulations and Standards, Washington, DC, 1982.
- c. Dawson, et al., Physical/Chemical Properties of Hazardous Waste Constituents, by Southeast Environmental Research Laboratory for US EPA, 1980.
- d. Jaber, et al., "Data Acquisition for Environmental Transport and Fate Screening", Office of Health and Environmental Assessment, US EPA, Washington DC, EPA 600/6-84-009, 1984.
- e. ORD, US EPA, "Treatability Manual, Volume 1", EPA 600/2-82-001a.
- f. Verschueren K., "Handbook of Environmental Data for Organic Chemicals", Van Nostrand Reinhold Co., New York, 2nd ed., 1983.
- 3 US EPA, "Basics of Pump-and-Treat Ground-Water Remediation Technology," EPA/600/8-90/1003, Robert S. Kerr Environmental Research Laboratory, March 1990.
- 4 Manufacturer's data; Texas Petrochemicals Corp., Gasoline Grade Methyl-tert-butyl-ether Shipping Specifications and Technical Data, 1986.
- 5 CRC Handbook of Chemistry and Physics, 71st Edition, CRC Press, Ohio, 1990.
- 6 Lyman W.J. et al., "Research and Development of Methods for Estimating Physicochemical Properties of Organic Compounds of Environmental Concern," June 1981.
- 7 EPA Draft Document, "Hazardous Waste Treatment, Storage and Disposal Facilities (TSDF) Air Emissions Model," April 1989.
- 8 Citations compiled in E.K. Nyer, "Groundwater Treatment Technology," 2nd edition, in production.
- 9 Dragun J., "The Soil Chemistry of Hazardous Materials," The Hazardous Materials Control Research Institute, 1988, pp.366-367.
- 10 Bedard D.L., "Bacterial Transformations of Polychlorinated Biphenyls," In: "Biotechnology and Biodegradation", D. Kanely, A. Chakrabarty, G.S. Omenn (eds.) Advances in Applied Biotechnology Series, Vol. 4, Pontfolio Pub. Co., The Woodlands, Texas, 1990.
- 11 "Characterization and Laboratory Soil Treatability Studies for Creosote and Pentachlorophenol Sludges and Contaminated Soil," EPA: Washington DC, EPA/600/2-88/055, 1988.
- 12 Pitter P.J., Chudoba J., "Biodegradability of Organic Substances in the Aquatic Environment," CRC Press, 1990.
- 13 Vogel T.M., McCarty P.L., "Transformations of Halogenated Aliphatic Compounds," Env. Sci. Tech., 21, 722-736, 1987.
- 14 Volsky V.T., Grady C.P., "Toxicity of Selected RCRA Compounds to Activated Sludge Microorganisms," Journal WPCF, Vol 60, No. 10, 1850, 1988.
- 15 Klecka G.M., Gonsoir S.J., "Removal of 1,4-Dioxane from Wastewater," Journal of Hazardous Materials, 13, 161-169, 1986.
- 16 Nyer D., Boettcher G., and Morello B., "Using the Properties of Organic Compounds to Help Design a Treatment System," Groundwater Monitoring Review, Fall, 1991, pp. 81-86.
- 17 Dean, J.A. ed., "Lange's Handbook of Chemistry", 11th edition, McGraw-Hill Book Co., New York, 1973.
- 18 Weiss, G., "Hazardous Chemicals Data Book", 2nd edition, Noyes Data Corp., New York, 1986.
- 19 US Public Health Service, Agency for Toxic Substances and Disease Registry, "Draft Toxicological Profile for Selected PCBs," November 1987.
- 20 US Public Health Service, Agency for Toxic Substances and Disease Registry, "Draft Toxicological Profile for Benzo(a)pyrene," October 1987.
- 21 Merck Index, 9th edition, Merck and Co. Inc., New Jersey, 1976.

40.1514(3) Metals

METAL	Mobility	Score
Arsenic - $H_2AsO_4^-$	Slowly mobile	15
Asbestos - > 2 μ	Immobile	5
Asbestos - < 2 μ	Slowly mobile	15
Beryllium - Be^{2+}	Moderately mobile	25
Cadmium - Cd^{2+}	Slowly mobile	15
Chromium - Cr^{3+} or Cr^{6+}	Slowly mobile	15
Copper - Cu^{2+}	Moderately mobile	25
Cyanide - CN^-	Relatively mobile	35
Lead - Pb^{2+}	Moderately mobile	25
Mercury - Hg^{2+}	Slowly mobile	15
Selenium - $HSeO_4^-$ & SeO_3^{2-}	Relatively mobile	35
Zinc - Zn^{2+}	Moderately mobile	25

¹ Fuller, "Movement of Selected Metals, Asbestos, and Cyanide in Soils: Application to Waste Disposal Problems," EPA-600/2-77-020, April 1977.

40.1514(4) OHM Mobility and Persistence Factors for Other Organic Compounds

OHM MOBILITY AND PERSISTENCE FACTORS			
Organic Compounds			
FACTOR	RANGE and VALUE		
	LOW (Value)	MEDIUM (Value)	HIGH (Value)
Solubility (mg/L)	< 1 (0)	1 - 1,000 (5)	> 1,000 (10)
Vapor Pressure (mm Hg)	< 0.01 (0)	0.01 - 1 (5)	> 1 (10)
K _{ow}	> 10,000 (0)	10 - 10,000 (5)	< 10 (10)
Degradation Potential	Non-Persistent (NP) (0)		Persistent (P) (10)
Specific Gravity (20° C)	< 1 (0)		> 1 (10)
Radionuclides			
Radionuclides present in quantities greater than their federal Reportable Quantity (40 CFR Part 302.4, Appendix B) where the quantity is known or in concentrations greater than background where the quantity is not known shall be assigned a <i>Mobility and Persistence Score</i> equal to 40.			

40.1515 Soil Permeability Criteria

SOIL PERMEABILITY	
VALUES	CRITERIA
LOW	Permeability: < 10E-7 cm/s Soil or Bedrock Type: clay; shale; compact till; unfractured metamorphic and igneous rocks.
MEDIUM	Permeability: 10E-7 to < 10E-3 cm/s Soil or Bedrock Type: silt, fine sand and silty sand; loess; silty clays; clay loams, silty loams, sandy loams, and loamy sands; less to moderately permeable limestones, dolomites, and sandstone; moderately permeable to coarse till; moderately fractured igneous and metamorphic rocks. Fill is considered moderately permeable unless disposal site-specific condition indicate otherwise.
HIGH	Permeability: ≥ 10E-3 cm/s Soil or Bedrock Type: gravel, sand; highly fractured igneous and metamorphic rocks; permeable basalt and lavas; karst limestone and dolomite.

OHM MOBILITY FOR:-

PHENANTHRENE NOT VOLATILE * (0) SG 179 (0) Assume Persistence (0)

BENZO (a) PYRENE NOT VOLATILE * (0) ASSUME > 1 (10) ———— (10)

* DEP SHORTFORM
 XX Chemical Engineers Handbook
 1/13/95 (Effective 2/1/95)

40.1516 Environmental Toxicity Values

(1) Environmental Toxicity Values

40.1516(1) ENVIRONMENTAL TOXICITY VALUES (for OHM with Ambient Water Quality Criteria)						
	OHM	AMBIENT WATER QUALITY CRITERIA				TOXICITY VALUE
		FRESH WATER ACUTE	FRESH WATER CHRONIC	MARINE ACUTE	MARINE CHRONIC	
		ppb/l	ppb/l	ppb/l	ppb/l	
Acenaphthene		1700	520	970	710	20
Acrolein		68	21	55		40
Acrylonitrile		7550	2600			10
Aldrin		30		1.3		40
Antimony		88	30	1500	500	50
Arsenic		850		2319		30
Benzene		5300		5100	700	10
Benzidine		2500				20
Beryllium		130	5.3			40
Benzene Hexachloride		100		0.34		30
Cadmium		3.9	1.1	43	9.3	40
Carbon Tetrachloride		35200		50000		10
Chlordane		2.4	0.0043	0.09	0.004	50
Chloroform		28900	1240			10
Chlorophenol, 2-		4380				20
Chlorophenol, 4-				29700		10
Chlorpyrifos		0.083	0.041	0.011	0.0056	40
Chromium III		1700	210	10300		20
Chromium VI		16	11	1100	50	30
Copper		18	12	2.9		30
Cyanide		22	5.2	1		30
DDT		1.1	0.001	0.13	0.001	50
DDE		1050		14		30
Demeton			0.1		0.1	40
Di-2-Ethylhexyl Phthalate		400	360	400	360	20
Dichlorobenzenes		1120	763	1970		10
Dichloroethane, 1,2-		118000	20000	113000		10
Dichloroethylenes		11600		224000		10
Dichlorophenol, 2,4-		2020	365			20
Dichloropropane		23000	5700	10300	3040	10
Dichloropropane		6060	244	790		20
Dieldrin		2.5	0.0019	0.71	0.0019	50
Dimethylphenol, 2,4-		2120				20
Dinitrotoluene				590	170	10
Dinitrotoluene, 2,4-		330	230			20
Diphenylhydrazine, 1,2-		270				30
Endosulfans		0.22	0.056	0.034	0.0087	40

40.1516(1) ENVIRONMENTAL TOXICITY VALUES					
(for OHM with Ambient Water Quality Criteria)					
OHM	AMBIENT WATER QUALITY CRITERIA				
	FRESH WATER ACUTE	FRESH WATER CHRONIC	MARINE ACUTE	MARINE CHRONIC	TOXICITY VALUE
	µg/l	µg/l	µg/l	µg/l	
Endrin	0.18	0.0023	0.037	0.0023	50
Ethylbenzene	32000		430		10
Fluoranthene	3980		40	16	20
Guthion		0.01		0.01	50
Heptachlor	0.52	0.0038	0.053	0.0036	50
Heptachlor Epoxide	0.52	0.0038	0.053	0.0036	50
Hexachlorobenzene	6	3.68			10
Hexachlorobutadiene	90	9.3	32		10
Hexachlorocyclohexane, gamma-	2	0.08	0.16		40
Hexachlorocyclopentadiene	7	5.2	7		10
Hexachloroethane	980	540	940		20
Hydrogen Sulfide		2		2	40
Isophorone	117000		12900		10
Lead	83	3.2	220	8.5	40
Lindane	2	0.08	0.16		40
Malathion		0.1		0.1	40
Mercury	2.4	0.012	2.1	0.025	50
Methoxychlor		0.03		0.03	10
Methyl Mercury	2.4	0.012	2.1	0.025	40
Mirex		0.001		0.001	50
Naphthalene	2300	620	2350		20
Nickel	1400	160	75	8.3	20
Nitrobenzene	27000		6680		10
Nitrophenols	230	150	4850		20
Parathion	0.065	0.013			40
PCBs	2	0.014	10	0.03	50
Pentachloroethane	7240	1100	390	281	10
Pentachlorophenol	20	13	13	7.9	30
Phenanthrene	30	6.3	7.7	4.6	30
Phenol	10200	2560	5800		10
Phosphorus (elemental)				0.1	40
Phthalate esters	940	3	2944	3.4	30
Selenium	20	5	300	71	30
Silver	0.92	0.12	7.2	0.92	40
TCDD, 2,3,7,8-	0.01	0.00001			50
TDE (DDT Metabolite)	0.6		3.6		50
Tetrachloroethane, 1,1,2,2-		2400	9020		10
Tetrachloroethanes	9320				10
Tetrachloroethylene	5280	840	10200	450	10
Tetrachlorophenol, 2,3,5,6-			440		30

40.1516(1)		ENVIRONMENTAL TOXICITY VALUES (for OHM with Ambient Water Quality Criteria)				
	OHM	AMBIENT WATER QUALITY CRITERIA				TOXICITY VALUE
		FRESH WATER ACUTE µg/l	FRESH WATER CHRONIC µg/l	MARINE ACUTE µg/l	MARINE CHRONIC µg/l	
	Thallium	1400	40	2130		30
	Toluene	17500		6300	5000	10
	Toxaphene	0.73	0.0002	0.21	0.0002	50
	Trichloroethane, 1,1,1-			31200		10
	Trichloroethane, 1,1,2-		9400			10
	Trichloroethanes	18000				10
	Trichloroethylene	45000	21900	2000		10
	Trichlorophenol, 2,4,5-	100	63	240	11	20
	Trichlorophenol, 2,4,6-		970			10
	Zinc	120	110	95	86	20

40.1516(2) Default Environmental Toxicity Values

ENVIRONMENTAL TOXICITY DEFAULT VALUES

Default values shall be assigned for all OHMs not listed in 310 CMR 40.1516(1) according to the following criteria.

CHEMICAL CLASS	ENVIRONMENTAL TOXICITY VALUE
Alcohol	20
Aldehydes	30
Alkanes	20
Alkenes	30
Amines	20
Aromatics	30
Esters	40
Ethers	20
Halogenated Hydrocarbons (except Ethers)	30
Ketones	30
Organic Acids	40
Pesticides	40
Metals	20

NOTE: Use the HIGHEST Default Value applicable to the OHM under consideration.

Example: A halogenated pesticide would be assigned a default value of 40.
A halogenated alkane would be assigned a default value of 30.

NOTE: For radionuclides, no Environmental Toxicity Value has been established. Radionuclides present in quantities greater than their federal Reportable Quantity (40 CFR Part 302.4, Appendix B) where the quantity is known or in concentrations greater than background where the quantity is not known shall be assigned an *Environmental Toxicity Score* equal to 30. This score shall be entered directly in Worksheet V.B.1.

40.1516(3)		ENVIRONMENTAL TOXICITY VALUE MATRIX				
AMBIENT WATER QUALITY CRITERIA (AWQC)		ENVIRONMENTAL TOXICITY VALUE RANGES In µg/l				
Fresh Water Chronic	< 0.03	$0.03 \leq X < 2.8$	$2.8 \leq X < 70$	$70 \leq X < 620$	> 620	
Marine Chronic	< 0.005	$0.005 \leq X < 0.3$	$0.3 \leq X < 8$	$8 \leq X < 200$	> 200	
Fresh Water Acute	< 3	$3 \leq X < 85$	$85 \leq X < 1,200$	$1,200 \leq X < 8,000$	> 8,000	
Marine Acute	< 1.1	$1.1 \leq X < 33$	$33 \leq X < 490$	$490 \leq X < 27,000$	> 27,000	
ENVIRONMENTAL TOXICITY VALUE	50	40	30	20	10	

RECEIVED
APR 10 1998

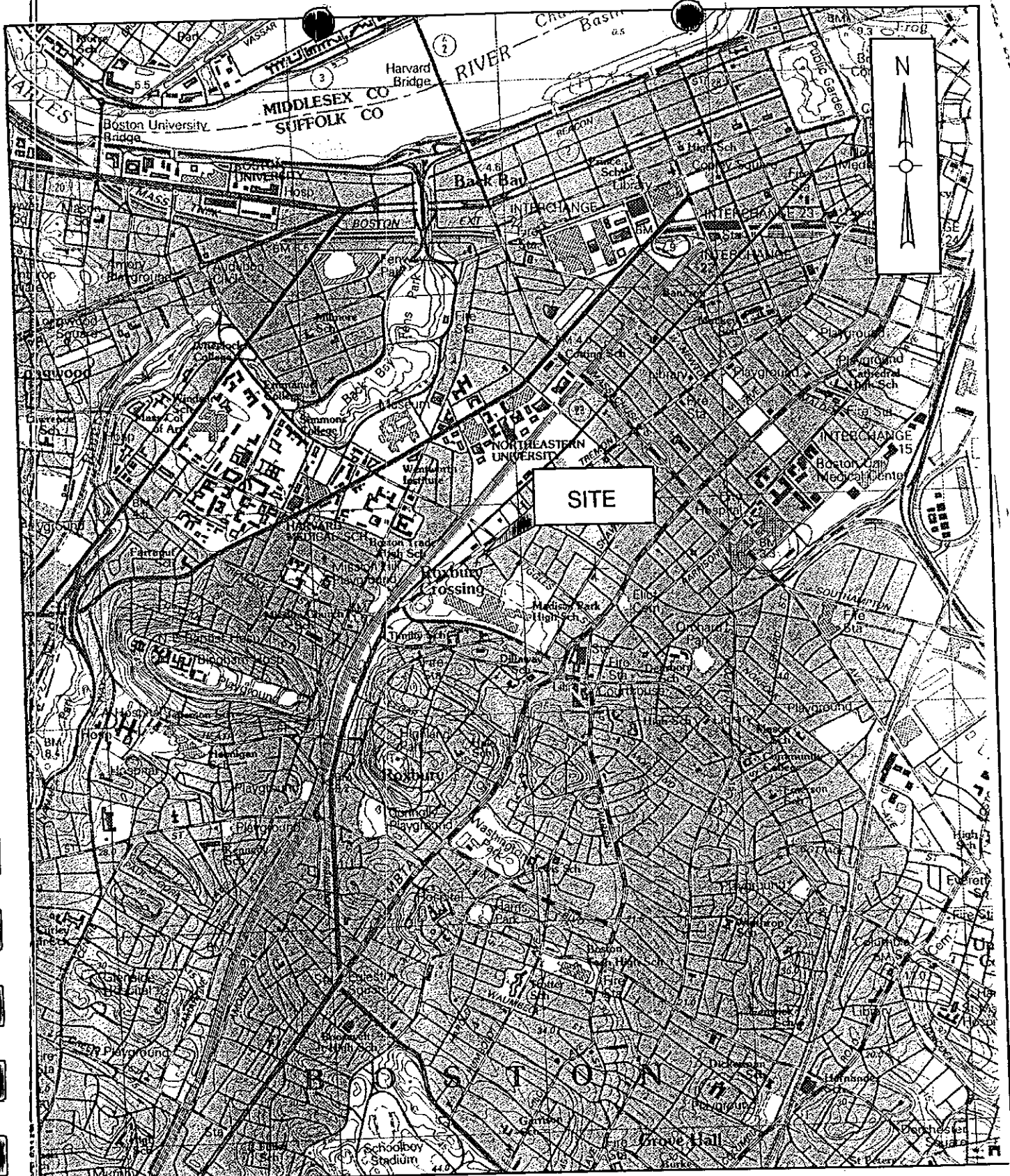
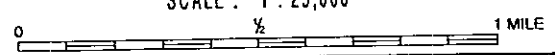
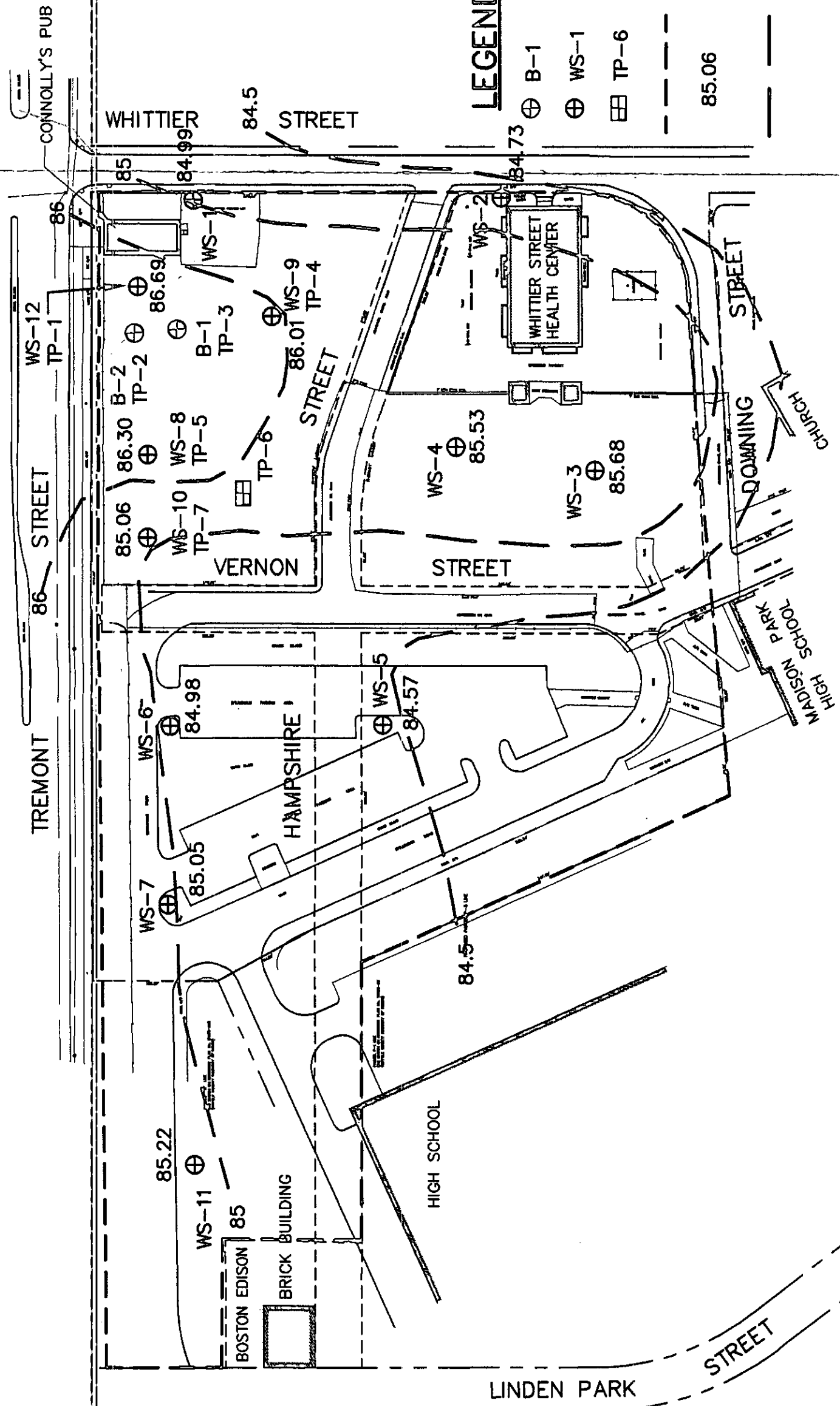
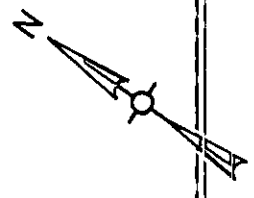


FIGURE 1
 BRA/EDIC -- PARCEL P-3; ROXBURY, MASSACHUSETTS
 LOCUS MAP

SOURCE: USGS 7.5 x 15 MINUTE SERIES BOSTON SOUTH, MASS. QUAD, 1987
 SCALE: 1 : 25,000



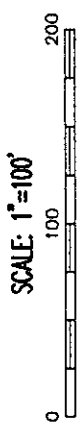


LEGEND:

- ⊕ B-1 BORING
- ⊕ WS-1 MONITORING WELL
- ⊞ TP-6 TEST PIT
- P-3 PARCEL BOUNDARY
- 85.06 GROUNDWATER ELEVATION DECEMBER 12, 1996
- GROUNDWATER ELEVATION CONTOUR (INFERRED)

FIGURE 4

ROXBURY, MASSACHUSETTS BRA/EDIC PARCEL P-3	
GROUNDWATER ELEVATION CONTOUR MAP DECEMBER 12, 1996	
DESIGNED BY: GDN	CHECKED BY: -
DATE: FEBRUARY 1998	
WESTON & SAMPSON ENGINEERS, INC.	



MA DEP - Bureau of Waste Site Cleanup

Site Scoring Map: 500 feet & 0.5 Mile Radii

SITE NAME:
V688700n 327800ew



The information shown on this map is the best available at the date of printing. Please refer to the data source descriptions document.



Massachusetts Geographic Information System

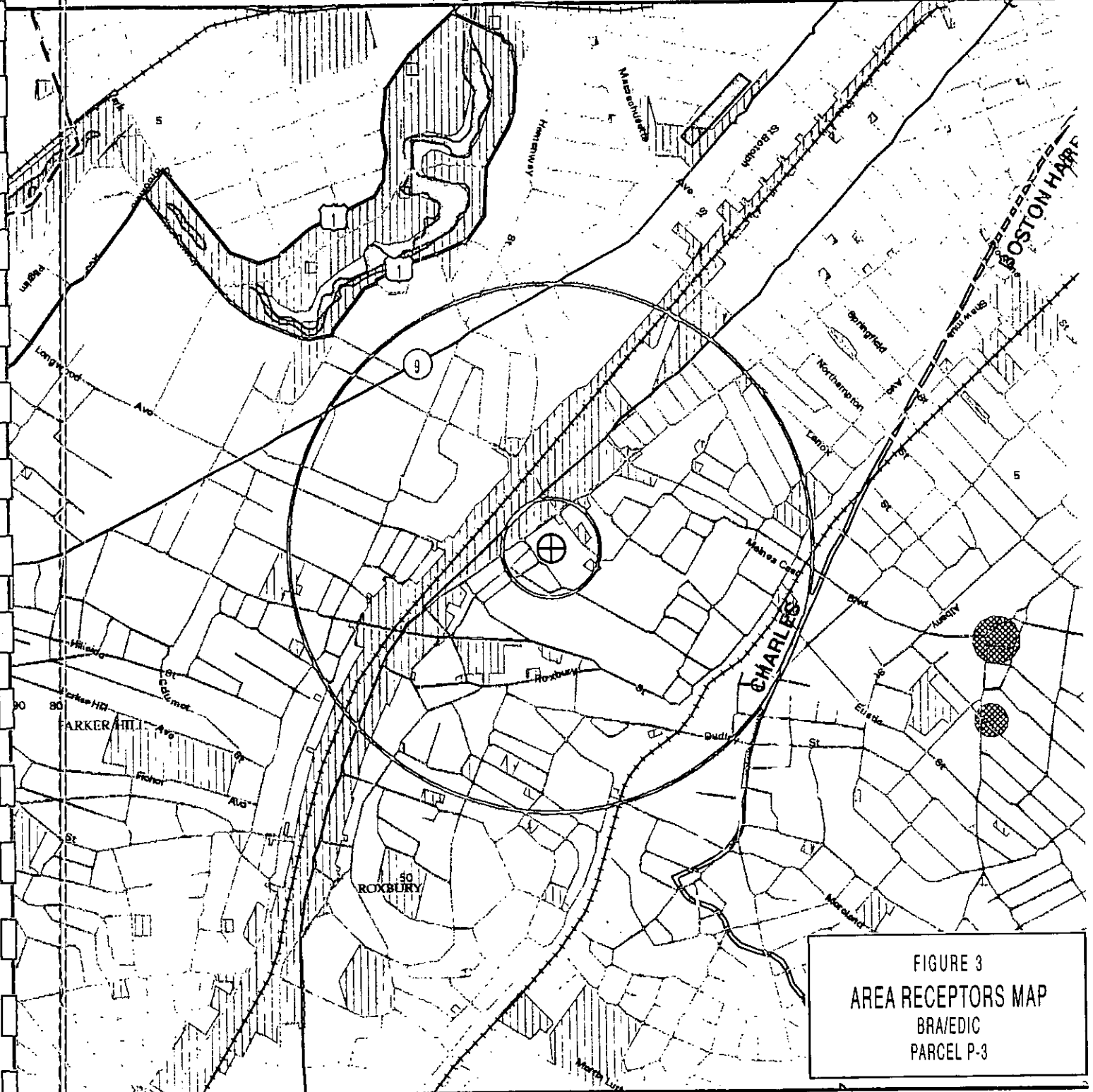
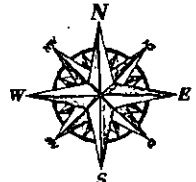


FIGURE 3
AREA RECEPTORS MAP
BRA/EDIC
PARCEL P-3

Roads: Interstate, US, State, Street, Trail	EPA Designated Sole Source Aquifer	
Boundaries: Municipal, County, DEP Region	Public Water Supplies: Ground, Surface, Non Community	
Train; Powerline; Pipeline	Approved Zone 2; IWPA;	
Drainage Basins: Major, Sub	Hydrography: Water Features, Public Surface Water Supply	
Streams: Perennial, Intermittent, Aqueduct	Wetlands: Fresh, Salt, NHESP Wetlands Habitat	
Potentially Productive Aquifers: Medium Yield, High Yield	Protected Open Space; ACEC	
Non-Potential Drinking Water Source Area: Medium, High Yield	DEP Permitted Solid Waste Facilities; Certified Vernal Pools	



SCALE 1:15000

0 1/2 1/2 KILOMETERS

MILES

January 07, 1997

Boston Redevelopment Authority
WSE Job # 96230.A

April 6, 1998

The Honorable Thomas M. Menino, Mayor
Boston City Hall
1 City Hall Square
Boston, Massachusetts 02201

Re: Public Notification – Phase I Initial Site Investigation and Tier II Classification
RTN 3-15009
BRA Parcel P-3
Whittier and Tremont Streets
Roxbury, Massachusetts

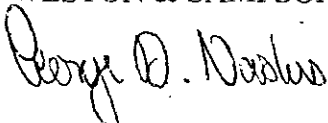
Dear Mayor Menino:

Weston & Sampson Engineers, Inc. (WSE) was contracted by the Boston Redevelopment Authority (BRA) to perform a Phase I Initial Site Investigation and Tier Classification (PHI/TC) at the above referenced site. Results of this investigation required that the site be classified as a Tier II disposal site in accordance with the Massachusetts Contingency Plan (MCP), 310 CMR 40.0000. A legal notice for the Initial Site Investigation and Tier II Classification will be published in the Boston Herald newspaper.

The PHI/TC report is being submitted to the Department of Environmental Protection Northeast Regional Office (DEP-NERO) in Woburn where it will be available for public review. If you have any questions regarding this site, please feel free to call WSE at (978) 532-1900 or Richard Mertens at BRA at (617) 722-4300, ext 4283.

Very truly yours,

WESTON & SAMPSON ENGINEERS, INC.



George D. Naslas
Project Manager

cc: Ms. Lillian Shirley, City of Boston, Board of Health
Mr. Paul Osborn, BRA
Mr. Richard Mertens, BRA
DEP-NERO, Woburn, MA.
File
H:\WP\CLIENT\BOSTON REDEVELOPMENT AUTHORITY\96230\CB\BOSTON REDEVELOPMENT AUTHORITY
TIER II CVR LTR.DOC

**NOTICE OF AN INITIAL SITE INVESTIGATION AND
TIER II CLASSIFICATION**

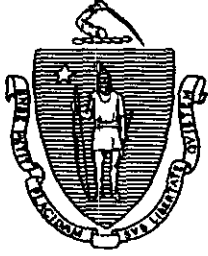
**BOSTON REDEVELOPMENT AUTHORITY
PARCEL P-3, WHITTIER & TREMONT STREET
ROXBURY, MASSACHUSETTS
RTN 3-15009**

Pursuant to the Massachusetts Contingency Plan (310 CMR 40.0480), an Initial Site Investigation has been performed at the above referenced location. A release of oil and/or hazardous materials has occurred at this location which is a disposal site (defined by M.G.L. c. 21E, Section 2). This site has been classified as Tier II, pursuant to 310 CMR 40.0500. Response actions at this site will be conducted by The Boston Redevelopment Authority who has employed Mr. Prasanta K. Bhunia, L.S.P., Weston & Sampson Engineers, Inc. to manage response actions in accordance with the Massachusetts Contingency Plan (310 CMR 40.0000).

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 Officer 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. Richard Mertens, Environmental Review Office, Boston Redevelopment Authority, 1 City Hall Square, Boston, Massachusetts 02201 at (617) 722-4300 ext 4283.

H:\WP\CLIENT\BOSTON REDEVELOPMENT AUTHORITY\96230\CTIERII LEGAL NOTICE.DOC



COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF ENVIRONMENTAL AFFAIRS
DEPARTMENT OF ENVIRONMENTAL PROTECTION
Northeast Regional Office, One Commerce Way, Woburn, MA 01801

ARGEO PAUL CELLUCCI
Governor

TRUDY COXE
Secretary

DAVID B. STRUHS
Commissioner

BOSTON REDEVELOPMENT AUTHORITY
ONE CITY HALL SQ
BOSTON, MA 02201-1007

Attn: RICHARD MERTENS

February 23, 1998

RTN: 3-0015009
ROXBURY
PARCEL P-3 TREMONT/WHITTIER ST

RE: 310 CMR 40.0000, Notice of Due
Date for Tier Classification Submittal.

Dear RICHARD MERTENS,

On 04/14/1997 the Department of Environmental Protection (DEP) was notified of a release or threat of release of Oil and Hazardous Material at PARCEL P-3 TREMONT/WHITTIER ST, ROXBURY. This release constitutes a 120 DY release condition pursuant to 310 CMR 40.0000, the Massachusetts Contingency Plan (MCP), and Chapter 21E of the Massachusetts General Laws.

The purpose of this letter is to remind you that the one year period, following the date of notification, for you to submit either a Response Action Outcome (RAO) Statement, a Downgradient Property Status Submittal or a Tier Classification Submittal is about to expire. This letter describes the significance of this deadline so that you can take appropriate action to minimize your cleanup costs, maintain compliance with the MCP, and avoid possible DEP enforcement action for failing to submit an RAO Statement, a Downgradient Property Status Submittal or a Tier Classification Submittal to DEP.

PLEASE BE ADVISED that, as of the date of this letter, DEP has not received either a RAO Statement, a Downgradient Property Status Submittal or a Tier Classification Submittal for the above listed site. The one year period for submitting one of these documents will expire on 04/14/1998.

The MCP requires, among other provisions, that a location affected by a release (i. e., the site) meet one of the following milestones within one year of notification:

February 23, 1998
Page 2

- Conditions at the site meet the requirements of a Response Action Outcome, and an RAO Statement and supporting documentation are submitted to the appropriate regional office. If you submit an RAO Statement more than 120 days after the date of notification and prior to Tier Classification, you must also pay DEP an RAO Compliance Fee of \$750.00; or
- A Downgradient Property Status is established for the site, and a Downgradient Property Status Transmittal Form and supporting documentation are submitted to the appropriate regional office. You must also pay DEP a Downgradient Property Status Compliance Fee of \$1000.00; or
- The site is Tier Classified as either a Tier I or Tier II site, and a Tier Classification Transmittal Form and supporting documentation are submitted to the appropriate regional office. For Tier I sites, you must also include a Tier I Initial Permit Application and pay a Permit Application Fee of \$3,550; Tier II sites do not require a Permit and do not pay a Permit Application Fee. If a site is Tier Classified within one year of notification, the DEP will not assess an Annual Compliance Fee for the first year. After Tier Classification, Comprehensive Response Actions must then be undertaken to assess and clean up that site.

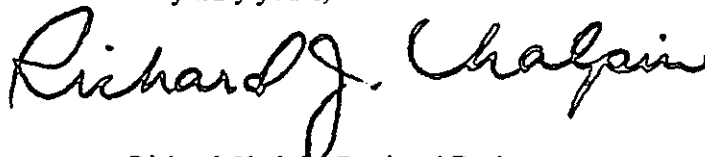
Please note that if you fail to submit either an RAO Statement, a Downgradient Property Status Submittal or a Tier Classification Submittal to DEP by 04/14/1998, the above referenced site will be categorically classified as a Tier IB Disposal Site and, if not otherwise exempt, you will be assessed a Tier IB Annual Compliance Fee for the first year, for response actions which you carried out.

Licensed Site Professional (LSP):

In order to clean up and/or address a release or threat of release, the services of a Licensed Site Professional (LSP) are required. LSPs are professionals licensed by the Commonwealth of Massachusetts to issue Waste Site Cleanup Activity Opinions in connection with response actions at sites. The MCP requires the preparation of one or more Waste Site Cleanup Activity Opinions for every release reported to DEP. For a list of LSP names please contact the Board of Registration at (617) 556-1145.

You and your Licensed Site Professional (LSP) may obtain copies of all DEP forms and applications by contacting your regional service center at (617) 932-7677 or 7678. You may direct other questions concerning this letter to the regional service center, as well.

Very truly yours,



Richard Chalpin, Regional Engineer
Northeast Regional Office
Bureau of Waste Site Cleanup



COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF ENVIRONMENTAL AFFAIRS
DEPARTMENT OF ENVIRONMENTAL PROTECTION
ONE WINTER STREET, BOSTON, MA 02108 617-292-5500

WILLIAM F. WELD
Governor

ARGEO PAUL CELLUCCI
Lt. Governor

TRUDY COXE
Secretary

DAVID B. STRUHS
Commissioner

December 1, 1997

Egleston Square Development Corporation
c/o Richard Mason, Senior Project Manager
2010 Columbus Avenue
Roxbury, MA 02119

Release Tracking No.: 3-0003938
Release City: Boston (Roxbury)
Release Addr: 3060-3070 Washington Street
Covenant Not to Sue - Certificate of Completion

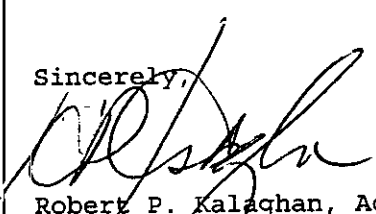
Dear Mr. Mason,

I am pleased to announce the issuance of a Certificate of Completion for the above-referenced Covenant Not to Sue project based upon the receipt of a Class A-3 Response Action Outcome Statement on October 6, 1997. Please find enclosed the original signed Certificate copy.

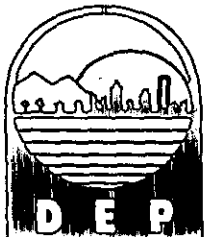
Should you have any further questions concerning this application, please feel free to contact me personally at (617) 292-5941.

Thank you for your interest and participation in this important pilot project.

Sincerely,


Robert P. Kalaghan, Acting Director
Division of Fiscal Management, Cost Recovery, Revenues and Administration
Bureau of Waste Site Cleanup

cc: Mr. Dennis P. Crimmins, Esq., PLCPT, 585 Commercial Street,
Boston, MA 02109
Margaret Stolfa, Chief Counsel, BWSC
Nancy Harper, Assistant Attorney General, OAG, EPD
✓ DEP NERO, BWSC
DEP Boston, BWSC, CNTS File



Commonwealth of Massachusetts
Executive Office of Environmental Affairs

Department of
Environmental Protection

William F. Weld
Governor

Trudy Coxe
Secretary, EOE

Thomas B. Powers
Acting Commissioner

EXHIBIT C

CERTIFICATE OF COMPLETION
PILOT COVENANT NOT TO SUE PROGRAM
M.G.L. c. 21E, s. 3A(j)

From: The Department of Environmental Protection

To: Egleston Sq. Development Corp. ("Applicant")

Date of Issuance: December 1, 1997

DEP Release Tracking No(s) 3-3938

City(ies)/Town(s) Roxbury/Boston

This Certificate of Completion ("Certificate") is issued in accordance with a certain Agreement entered into by DEP and the Commonwealth of Massachusetts with Applicant, dated August 25, 1995, to signify only that the Department has received (i) a Class A or Class B Response Action Outcome Statement for the release(s) identified by the DEP Release Tracking Number(s) referenced above, and (ii) payment in full of the sum set forth in the Agreement, such sum representing all or a portion of the past costs and fees owing the Commonwealth for the release(s).

This Certificate shall not be deemed or construed to imply the Department's approval of the adequacy of any response action(s) undertaken at the subject property, nor shall issuance of this Certificate operate to bar the Department from auditing any person, site or response action, or from requesting any person to provide information to the Department, or to relieve any person of his/her obligation to comply with any such request.

Issued by:

Assistant Commissioner, Bureau of Waste Site Cleanup



COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF ENVIRONMENTAL AFFAIRS
DEPARTMENT OF ENVIRONMENTAL PROTECTION
METROPOLITAN BOSTON - NORTHEAST REGIONAL OFFICE

WILLIAM F. WELD
Governor

MARCO PAUL CELLUCCI
Lt. Governor

TRUDY COXE
Secretary

DAVID B. STRUHS
Commissioner

URGENT LEGAL MATTER: PROMPT ACTION NECESSARY
CERTIFIED MAIL: RETURN RECEIPT REQUESTED MAY 28 1997

Boston Redevelopment Authority
1 City Hall Plaza
Boston, MA 02201-1007

RE: Boston/Roxbury
Parcel P-3
Tremont & Whittier St.
RTN #3-15009

NOTICE OF RESPONSIBILITY;
M.G.L. c. 21E & 310 CMR
40.0000

Attention: Mr. Richard Mertens

Dear Mr. Mertens:

Information contained in a Release Notification Form (RNF) submitted to the Department of Environmental Protection (the Department or DEP) on April 14, 1997 and submitted by Boston Redevelopment Authority indicates that there is or has been a release of oil and/or hazardous material at the above-referenced property which exceeds a "120 day" reporting threshold (310 CMR 40.0315) and which requires one or more response actions.

Based on this information, the Department has reason to believe that the subject property or portion(s) thereof is a disposal site as defined in the Massachusetts Oil and Hazardous Material Release Prevention and Response Act, M.G.L. c. 21E, and the Massachusetts Contingency Plan, 310 CMR 40.0000 (the MCP). The assessment and cleanup of disposal sites is governed by M.G.L. c. 21E and the MCP.

The purpose of this notice is to inform you of your legal responsibilities under state law for assessing and/or remediating the subject release. For purposes of this notice, the terms and phrases used herein shall have the meaning ascribed to them by the MCP unless the text clearly indicates otherwise.

STATUTORY LIABILITIES

The Department has reason to believe that you (as used in this letter, "you" refers to Boston Redevelopment Authority) are

a Potentially Responsible Party (a PRP) with liability under M.G.L. c. 21E, § 5, for response action costs. Section 5 makes the following parties liable to the Commonwealth of Massachusetts: current owners or operators of a site from or at which there is or has been a release/threat of release of oil or hazardous material; any person who owned or operated a site at **the time hazardous material was stored or disposed of**; any person who arranged for the transport, disposal, storage or treatment of hazardous material to or at a site; any person who transported hazardous material to a transport, disposal, storage or treatment site from which there is or has been a release/threat of release of such material; and any person who otherwise caused or is legally responsible for a release/threat of release of oil or hazardous material at a site.

This liability is "strict", meaning it is not based on fault, but solely on your status as an owner, operator, generator, transporter or disposer. It is also joint and several, meaning that you may be liable for all response action costs incurred at the site, regardless of the existence of any other liable parties.

The MCP requires responsible parties to take necessary response actions at properties where there is or has been a release or threat of release of oil and/or hazardous material. If you do not take the necessary response actions, or fail to perform them in an appropriate and timely manner, the Department is authorized by M.G.L. c. 21E to have the work performed by its contractors. By taking such actions, you can avoid liability for response action costs incurred by the Department and its contractors in performing these actions, and any sanctions which may be imposed for failure to perform response actions under the MCP.

You may be liable for up to three (3) times all response action costs incurred by the Department. Response action costs include, without limitation, the cost of direct hours spent by Department employees arranging for response actions or overseeing work performed by persons other than the Department or their contractors, expenses incurred by the Department in support of those direct hours, and payments to the Department's contractors. (For more detail on cost liability, see 310 CMR 40.1200.)

The Department may also assess interest on costs incurred at the rate of twelve percent (12%), compounded annually. To secure payment of this debt, the Commonwealth may place liens on all of your property in the Commonwealth. To recover the debt, the Commonwealth may foreclose on these liens or the Attorney General may bring legal action against you.

In addition to your liability for up to three (3) times all

response action costs incurred by the Department, you may also be liable to the Commonwealth for damages to natural resources caused by the release. Civil and criminal liability may also be imposed under M.G.L. c. 21E, § 11, and civil administrative penalties may be imposed under M.G.L. c. 21A, § 16 for each violation of M.G.L. c. 21E, the MCP, or any order, permit or approval issued thereunder.

NECESSARY RESPONSE ACTIONS

The subject site shall not be deemed to have had all the necessary and required response actions taken unless and until all substantial hazards presented by the site have been eliminated and a level of No Significant Risk exists or has been achieved in compliance with M.G.L. c. 21E and the MCP. In addition, the MCP requires persons undertaking response actions at disposal sites to perform Immediate Response Actions (IRAs) in response to "sudden releases", Imminent Hazards and Substantial Release Migration. Such persons must continue to evaluate the need for IRAs and notify the Department immediately if such a need exists.

You must employ or engage a Licensed Site Professional (LSP) to manage, supervise or actually perform the necessary response actions at the subject site. In addition, the MCP requires persons undertaking response action at a disposal site to submit to the Department a Response Action Outcome Statement (RAO) prepared by an LSP in accordance with 310 CMR 40.1000 upon determining that a level of No Significant Risk already exists or has been achieved at a disposal site or portion thereof. [You may obtain a list of the names and addresses of these licensed professionals from the Board of Registration of Hazardous Waste Site Cleanup Professionals at (617) 556-1091].

The Department has determined that the following response actions are necessary at the subject site:

Initial site investigation activities in accordance with 310 CMR 40.0405 are necessary. In addition, unless an RAO is submitted earlier, a completed Tier Classification Submittal pursuant to 310 CMR 40.0510, and, if appropriate, a completed Tier I Permit Application pursuant to 310 CMR 40.0700, must be submitted to DEP within one year of the initial date notice of a release is provided to the Department pursuant to 310 CMR 40.0300 or from the date the Department issues a Notice of Responsibility (NOR), whichever occurs earlier.

It is important to note that you must dispose of any Remediation Waste generated at the subject location in accordance with 310 CMR 40.0030 including, without limitation, contaminated

soil and/or debris. Any Bill of Lading accompanying such waste must bear the seal and signature of an LSP or, if the response action is performed under the direct supervision of the Department, the signature of an authorized representative of the Department.

However, please be advised that if information is obtained after making a oral or written notification to indicate that the release or threat of release didn't occur, failed to meet the reporting criteria at 310 CMR 40.0311 through 40.0315, or is exempt from notification pursuant to 310 CMR 40.0317, a Notification Retraction must be submitted within 60 days of the initial notification pursuant to 310 CMR 40.0335.

The Department encourages parties with liabilities under M.G.L. c. 21E to take prompt action in response to releases and threats of release of oil and/or hazardous material. By taking prompt action, you may significantly lower your assessment and cleanup costs and avoid the imposition of, or reduce the amount of, certain permit and annual compliance fees for response actions payable under 310 CMR 4.00.

If you have any questions relative to this notice, you should contact Lilla Dick at the letterhead address or (617) 932-7600. All future communications regarding this release must reference the Release Tracking Number (RTN #3-15009) contained in the subject block of this letter.

Very truly yours,



Kingsley Ndi
Chief, Notification Branch

KN/LD

cc: Boston Board of Health
Boston Fire Department

Weston & Sampson Engineers, inc.
5 Centennial Drive
Peabody, MA 01960
Attn: Mr. Prasanta K. Bhunia

DEP data base/file



RELEASE NOTIFICATION & NOTIFICATION RETRACTION
FORM

Pursuant to 310 CMR 40.0335 and 310 CMR 40.0371 (Subpart

Release Tracking
Number

3-15009
If assigned by DEP

A. RELEASE OR THREAT OF RELEASE LOCATION:

Street: Parcel P-3, Tremont and Whittier Streets Location Aid: UTMS: 4688700 mN, 327800 mE
City/Town: Boston (Roxbury) ZIP Code: 02120-0000

B. THIS FORM IS BEING USED (check one)

- Submit a Release Notification (complete all sections of this form).
- Submit a Retraction of a Previously Reported Notification of a Release or Threat of Release (complete Sections A, B, E, F and G of this form). You MUST attach the supporting documentation required by 310 CMR 40.0335.

C. INFORMATION DESCRIBING THE RELEASE OR THREAT OF RELEASE (TOR):

Date and time you obtained knowledge of the Release or TOR. 12/18/96 Time: _____ Specify: AM PM

The date you obtained knowledge is always required. The time you obtained knowledge is not required if reporting only 120 Day Conditions.

IF KNOWN, record date and time release or TOR occurred. _____ Time: _____ Specify: AM PM

Check here if you previously provided an Oral Notification to DEP (2 Hour and 72 Hour Reporting Conditions only).

Provide date and time of Oral Notification. _____ Time: _____ Specify: AM PM

Check all Notification Thresholds that apply to the Release or Threat of Release: (for more information see 310 CMR 40.0310 - 40.0315)

- | | | |
|--|---|---|
| <input type="checkbox"/> Sudden Release | <input type="checkbox"/> Subsurface Non-Aqueous Phase Liquid (NAPL) Equal to or Greater than 1/2 Inch | <input checked="" type="checkbox"/> Release of Hazardous Material(s) to Soil or Groundwater Exceeding Reportable Concentration(s) |
| <input type="checkbox"/> Threat of Sudden Release | <input type="checkbox"/> Underground Storage Tank (UST) Release | <input type="checkbox"/> Release of Oil to Soil Exceeding Reportable Concentration(s) and Affecting More than 2 Cubic Yards |
| <input type="checkbox"/> Oil Sheen on Surface Water | <input type="checkbox"/> Threat of UST Release | <input type="checkbox"/> Release of Oil to Groundwater Exceeding Reportable Concentration(s) |
| <input type="checkbox"/> Poses Imminent Hazard | <input type="checkbox"/> Release to Groundwater near Water Supply | <input type="checkbox"/> Subsurface Non-Aqueous Phase Liquid (NAPL) Equal to or Greater than 1/8 Inch and Less than 1/2 Inch |
| <input type="checkbox"/> Could Pose Imminent Hazard | <input type="checkbox"/> Release to Groundwater near School or Residence | |
| <input type="checkbox"/> Release Detected in Private Well | | |
| <input type="checkbox"/> Release to Storm Drain | | |
| <input type="checkbox"/> Sanitary Sewer Release (Imminent Hazard Only) | | |

List below the Oils or Hazardous Materials that exceed their Reportable Concentration or Reportable Quantity by the greatest amount. If necessary, attach a list of additional Oil and Hazardous Material substances subject to reporting.

Name and Quantities of Oils (O) and Hazardous Materials (HM) Released:	O or HM Released	O HM (check one)	CAS # (if known)	Amount or Concentration	Units	Reportable Concentrations Exceeded, if Applicable (RCS-1, RCS-2, RCGW-1, RCGW-2)
PAHs (see Table 1)		<input type="checkbox"/> O <input checked="" type="checkbox"/> HM				RCS-1
TPE (see Table 1)		<input checked="" type="checkbox"/> O <input type="checkbox"/> HM				RCS-1
Lead (see Table 1)		<input type="checkbox"/> O <input checked="" type="checkbox"/> HM				RCS-1

D. ADDITIONAL INVOLVED PARTIES:

- Check here if attaching names and addresses of owners of properties affected by the Release or Threat of Release, other than an owner who is submitting this Release Notification (required).
- Check here if attaching Licensed Site Professional (LSP) name and address (optional).

You may write in names and addresses on the bottom of the second page of this form.



RELEASE NOTIFICATION & NOTIFICATION RETRACTION
FORM

Release Tracking
Number

3-15009

If assigned by DEP

Pursuant to 310 CMR 40.0335 and 310 CMR 40.0371 (Subpart C)

E. PERSON REQUIRED TO NOTIFY:

Name of Organization: Boston Redevelopment Authority
Name of Contact: Mr. Richard Mertens Title: Environmental Review Officer
Street: 1 City Hall Plaza
City/Town: Boston State: MA ZIP Code: 02201-1007
Telephone: 617-722-4300 Ext.: 4283 FAX: 617-742-4464
(optional)

F. RELATIONSHIP OF PERSON REQUIRED TO NOTIFY TO RELEASE OR THREAT OF RELEASE: (check one)

- 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))
- Any Person Otherwise Required to Notify Specify Relationship: _____

G. CERTIFICATION OF PERSON REQUIRED TO NOTIFY:

I, Thomas N. O'Brien, 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.

By: [Signature] Title: Director
(signature)
For: Boston Redevelopment Authority Date: 4/9/97
(print name of person or entity recorded in Section E)

Enter address of the person providing certification, if different from address recorded in Section E:
Street: _____
City/Town: _____ State: _____ ZIP Code: _____
Telephone: _____ Ext. _____ FAX: _____
(optional)

YOU MUST COMPLETE ALL RELEVANT SECTIONS OF THIS FORM OR DEP MAY RETURN THE DOCUMENT AS INCOMPLETE. IF YOU SUBMIT AN INCOMPLETE FORM, YOU MAY BE PENALIZED FOR MISSING A REQUIRED DEADLINE.

Licensed Site Professional:
Dr. Prasanta K. Bhunia, Ph.D.
Weston & Sampson Engineers, Inc.
5 Centennial Drive
Peabody, Massachusetts 01960
L.S.P. Number 2999

(508) 532-1900

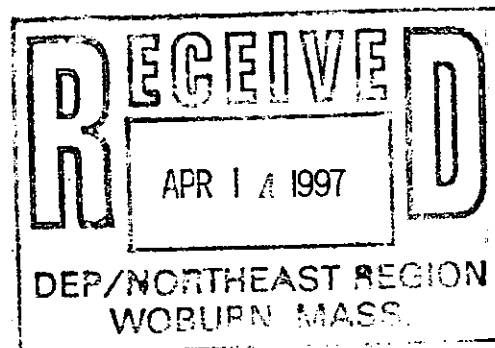


TABLE 1

SOIL HEADSPACE SCREENING AND SAMPLING RESULTS
BRA/EDIC PARCEL P-3
 Test Pit and Soil Boring Samples

Parameter	Units	Reportable Concs. RCS-1	Sample Identification and sample depth (feet)											
			WS-1 8.5-10.5	WS-2 10-12	WS-3 15-17	WS-4 10-12	WS-5 10-12	WS-6 10-12	WS-7 10-12	WS-8 TP-5 17-17.5	WS-9 TP-4 18.5-19	WS-10 TP-7 17.5-18	WS-11 20-22	WS-12 TP-1 11.5-12
VOLATILE ORGANIC COMPOUNDS*														
Benzene	ug/kg	10,000	ND	ND	ND	ND	ND	ND	ND	ND	87	ND	ND	ND
Isopropylbenzene	ug/kg	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	330
n-Propylbenzene	ug/kg	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	760
Xylene (total)	ug/kg	500,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	32
tert-Butylbenzene	ug/kg	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	36
sec-Butylbenzene	ug/kg	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	270
n-Butylbenzene	ug/kg	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	470
Napthalene	ug/kg	4,000	ND	ND	ND	ND	ND	ND	ND	150	ND	150	ND	160
1,2,4-Trimethylbenzene	ug/kg	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	70
Total BTEX	ug/kg	--	ND	ND	ND	ND	ND	ND	ND	ND	87	ND	ND	32
Total VOCs	ug/kg	--	ND	ND	ND	ND	ND	ND	ND	150	87	150	ND	2,128
TOTAL PETROLEUM HYDROCARBONS**														
Gasoline	mg/kg	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Kerosene	mg/kg	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mineral Spirits	mg/kg	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fuel Oil #2/Diesel	mg/kg	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	150*	ND	8,400*
Fuel Oil #4	mg/kg	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fuel Oil #6	mg/kg	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Motor Oil/Hydraulic Oil	mg/kg	--	ND	ND	ND	ND	ND	ND	ND	500	ND	920	ND	ND
Total TPH	mg/kg	500	ND	ND	ND	ND	ND	ND	ND	500**	ND	1070**	ND	8,400
POLYNUCLEAR AROMATIC HYDROCARBONS ***														
Napthalene	ug/kg	4,000	NA	ND	ND	NA	NA	NA	NA	8,200	130	NA	ND	1,000
2-Methylnaphthalene	ug/kg	700	NA	ND	ND	NA	NA	NA	NA	4,300	60	NA	ND	23,000
Acenaphthylene	ug/kg	100,000	NA	ND	ND	NA	NA	NA	NA	2,000	ND	NA	ND	800
Acenaphthene	ug/kg	20,000	NA	ND	ND	NA	NA	NA	NA	12,000	180	NA	ND	3,400
Fluorene	ug/kg	400,000	NA	ND	ND	NA	NA	NA	NA	11,000	200	NA	ND	3,900
Phenanthrene	ug/kg	100,000	NA	ND	ND	NA	NA	NA	NA	93,000	1,500	NA	ND	11,000
Anthracene	ug/kg	1,000,000	NA	ND	ND	NA	NA	NA	NA	21,000	440	NA	ND	2,700
Fluoranthene	ug/kg	600,000	NA	ND	ND	NA	NA	NA	NA	92,000	1,600	NA	ND	4,100
Pyrene	ug/kg	500,000	NA	ND	ND	NA	NA	NA	NA	82,000	1,400	NA	ND	4,100
Benzo[a]anthracene	ug/kg	700	NA	ND	ND	NA	NA	NA	NA	38,000	630	NA	ND	1,500
Chrysene	ug/kg	7,000	NA	ND	ND	NA	NA	NA	NA	44,000	690	NA	ND	1,700
Benzo[b]fluoranthene	ug/kg	700	NA	ND	ND	NA	NA	NA	NA	34,000	560	NA	ND	1,200
Benzo[k]fluoranthene	ug/kg	7,000	NA	ND	ND	NA	NA	NA	NA	35,000	550	NA	ND	1,300
Benzo[a]pyrene	ug/kg	700	NA	ND	ND	NA	NA	NA	NA	39,000	610	NA	ND	1,400
Dibenzo[a,h]anthracene	ug/kg	700	NA	ND	ND	NA	NA	NA	NA	4,700	ND	NA	ND	ND
Benzo[g,h,i]perylene	ug/kg	100,000	NA	ND	ND	NA	NA	NA	NA	13,000	190	NA	ND	ND
Indeno[1,2,3-cd]pyrene	ug/kg	700	NA	ND	ND	NA	NA	NA	NA	14,000	200	NA	ND	ND
METALS														
Arsenic, Total	mg/kg	30	NA	7.1	7.5	NA	NA	NA	NA	7.3	7.8	NA	8.1	4.4
Barium, Total	mg/kg	1,000	NA	62	57	NA	NA	NA	NA	240	160	NA	53	72
Cadmium, Total	mg/kg	30	NA	<5.5	<4.2	NA	NA	NA	NA	4.5	<2.7	NA	<2.4	<3.3
Chromium, Total	mg/kg	1,000	NA	54	84	NA	NA	NA	NA	23	14	NA	11	27
Lead, Total	mg/kg	300	NA	13	9.8	NA	NA	NA	NA	520	880	NA	51	120
Mercury, Total	mg/kg	10	NA	<0.033	0.059	NA	NA	NA	NA	3.07	0.204	NA	<0.015	<0.022
Selenium, Total	mg/kg	300	NA	<5.5	<4.2	NA	NA	NA	NA	<2.6	<2.7	NA	<2.4	<3.3
Silver, Total	mg/kg	100	NA	<5.2	<4.1	NA	NA	NA	NA	<2.8	<2.6	NA	<2.4	<3.3

NOTES:

NC = Not detected

NA = Not analyzed

NS = No standard

-- = Not applicable

mg/kg = milligrams per kilogram (parts per million)

ug/kg = micrograms per kilogram (parts per billion)

* = weathered TPH

** PAHs present

Bold/Shaded = Exceeds applicable reportable concentration

f:\sutton\braedic\sold12.wk4



Environmental Consultants since 1899

Boston Redevelopment Authority
WSE Job Number 96230.G

April 4, 1997

Bureau of Waste Site Cleanup
Department of Environmental Protection
10 Commerce Way
Woburn, Massachusetts 01801

Re: Release Notification Form
Parcel P-3
Tremont & Whittier Streets

To whom it may concern:

On behalf of our client, the Boston Redevelopment Authority (BRA), Weston & Sampson Engineers, Inc. (WSE) is pleased to submit the Release Notification Form (RNF) for the 120-day notification condition at the above referenced site.

Please note that the Licensed Site Professional will be Dr. Prasanta K. Bhunia, Ph.D., Weston & Sampson Engineers, Inc., 5 Centennial Drive, Peabody, Massachusetts 01960, L.S.P. Number 2999.

If you have any questions, please do not hesitate to contact this office at (508) 532-1900.

Very truly yours,

WESTON & SAMPSON ENGINEERS, INC.

Prasanta K. Bhunia, Ph.D., L.S.P.
Associate

Enclosures

cc: Mr. Paul Osborn, BRA/EDIC
File

PKB/GDN:gdñ

H:\WP\CLIENT\BRA-EDIC\96230.G\040497-1.GDN

