

207 MARSTON ST, LAWRENCE  
File 3-18136  
SCANNED



COMMONWEALTH OF MASSACHUSETTS  
EXECUTIVE OFFICE OF ENERGY & ENVIRONMENTAL AFFAIRS  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
NORTHEAST REGIONAL OFFICE

205B Lowell Street, Wilmington, MA 01887 • (978) 694-3200

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LAURIE BURT  
Commissioner

July 29, 2010

Mr. Robert Costello  
19 Hofmann Avenue  
Lawrence, MA 01841

Subject: Lawrence -19 Hofmann Avenue Soil Sampling Results

Dear Mr. Costello:

As you are aware, the Massachusetts Department of Environmental Protection's (MassDEP's) contractor, Shaw Environmental, Inc. (Shaw) collected surficial soil samples from the backyard of your property at 19 Hofmann Avenue in Lawrence on October 5, 2007. Shaw has prepared a "Site Evaluation Summary Report" detailing the soil sampling activities and test results. A copy of this report is enclosed for your convenience. A total of five surficial soil samples were collected from your property (SB-129 thru SB-133). A map showing the location of these samples is included in the report. These soil samples were laboratory analyzed for polychlorinated biphenyls (PCBs) and metals. The analytical results of the samples collected from your property have also been tabulated and included in the report. MassDEP has taken the average concentration of each contaminant of concern and compared them to MassDEP soil standards for residential properties (S-1). Please see attached table. MassDEP's review has resulted in the determination that chromium was detected on your property at a level slightly above its S-1 soil standard for total chromium. The S-1 soil standard for total chromium was established to be protective of two forms of chromium found in the environment, trivalent chromium and hexavalent chromium. Trivalent chromium is the form most commonly found in the environment, however, and exhibits very low toxicity. Therefore, MassDEP would like to further evaluate the chromium results identified at your property and determine which form of chromium, trivalent or hexavalent, is present.

MassDEP is currently working with the U.S. Environmental Protection Agency (EPA) to conduct further sampling of your property and will be contacting you to make arrangements. If you have any questions concerning this letter, please contact Valeric Thompson at (978) 694-3348.

Very truly yours,



Joanne Fagan  
Section Chief, Brownfields/Permits  
Bureau of Waste Site Cleanup  
Northeast Regional Office

cc:

City of Lawrence Inspectional Services Department, 200 Common Street, Lawrence, MA 01840,

Attn: Peter Blanchette- Building Commissioner, [pblanchette@cityoflawrence.com](mailto:pblanchette@cityoflawrence.com)

City of Lawrence, Office of the Mayor, 200 Common Street, Lawrence, MA 01840,

Attn: Mayor William Lantigua, [wlantigua@cityoflawrenc.com](mailto:wlantigua@cityoflawrenc.com)

City of Lawrence, Community Development, 147 Haverhill Street, Lawrence, MA 01840,

Attn: Arthur McCabe -Manager, [amccabe@cityoflawrence.com](mailto:amccabe@cityoflawrence.com)

U.S. Environmental Protection Agency, 5 Post Office Square, Suite 100, Boston, MA 02109,

Attn: Michael Barry, [barry.michael@epa.gov](mailto:barry.michael@epa.gov)

| #19 Hofmann Avenue Soil Sampling Data (mg/kg) 10/5/07 |     |      |      |      |      |     |       |     |     |
|---|-----|------|------|------|------|-----|-------|-----|-----|
| SAMPLE  | PCB | As   | Ba   | Cd   | Cr   | Ag  | Pb    | Se  | Hg  |
| SB-129  | .80 | 31   | 140  | 1.7  | 40   | .25 | 170   | .70 | .51 |
| SB-130  | .49 | 11   | 110  | 1.4  | 27   | 2.7 | 170   | .70 | .31 |
| SB-131  | .64 | 11   | 90   | 1.4  | 28   | .30 | 210   | .75 | .36 |
| SB-132  | 1.3 | 9.9  | 68   | 1.1  | 24   | .30 | 220   | .75 | .33 |
| SB-133  | .19 | 11   | 37   | 1.1  | 37   | .26 | 88    | .70 | .17 |
| Average   | .68 | 14.8 | 89   | 1.34 | 31.2 | .76 | 171.6 | .72 | .34 |
| S-1   | 2.0 | 20   | 1000 | 2.0  | 30   | 100 | 300   | 400 | 20  |
| Bkgd.   | NA  | 20   | 50   | 2    | 30   | 0.6 | 100   | 0.5 | 0.3 |

PCB = polychlorinated biphenyl, As = Arsenic, Ba = Barium, Cd = Cadmium, Cr = Chromium, Ag = Silver, Pb = Lead, Se = Selenium, Hg = Mercury

NA = Not Applicable

S-1 = MassDEP's Cleanup Standards for soil at residential properties

Bkgd. = MassDEP's Published background concentrations for metals in natural soil



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July 29, 2010

Mr. Richard Rodriguez  
21 Hofmann Avenue  
Lawrence, MA 01841

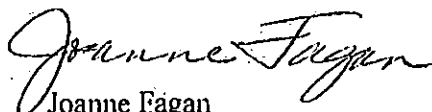
Subject: Lawrence – 21 Hofmann Avenue Soil Sampling Results

Dear Mr. Rodriguez:

As you are aware, The Massachusetts Department of Environmental Protection's (MassDEP's) contractor, Shaw Environmental, Inc. (Shaw), collected surficial soil samples from the backyard of your property at 21 Hofmann Avenue in Lawrence on October 5, 2007. Shaw has prepared a "Site Evaluation Summary Report" detailing the soil sampling activities and test results. A copy of this report is enclosed for your convenience. A total of eleven surficial soil samples were collected from your property (SB-134 thru SB-144). A map showing the location of these samples is included in the report. These soil samples were laboratory analyzed for polychlorinated biphenyls (PCBs) and metals. The analytical results of the samples collected from your property have also been tabulated and included in the report. MassDEP has developed an average concentration for each contaminant of concern and compared them to MassDEP soil cleanup standards for residential properties (S-1 standards). Please see attached table. MassDEP's review has resulted in the determination that none of the contaminants on your property were detected at a level that would pose a risk to the health of residents. Although none of the contaminants detected on your property exceed MassDEP soil cleanup standards, the concentration of PCBs slightly exceed the United States Environmental Protection Agency (U.S. EPA) residential soil standard for PCBs. MassDEP has requested the assistance of the U.S. EPA's Response and Removal Section to conduct a limited removal of contaminated soil from properties in your neighborhood. As part of remedial activities proposed for your neighborhood, U.S. EPA is planning to offer to conduct a limited removal of contaminated soil from your property at no cost to you.

MassDEP and the U.S. EPA will be contacting you to discuss the soil sampling results in Shaw's report and the proposed cleanup of your property in more detail. If you have any questions concerning this letter, please contact Valerie Thompson at (978) 694-3348.

Very truly yours,



Joanne Fagan  
Section Chief, Brownfields/Permits  
Bureau of Waste Site Cleanup  
Northeast Regional Office

Cc:

City of Lawrence Inspectional Services Department, 200 Common Street, Lawrence, MA 01840,  
Attn: Peter Blanchette- Building Commissioner, [pblanchette@cityoflawrence.com](mailto:pblanchette@cityoflawrence.com)  
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City of Lawrence, Community Development, 147 Haverhill Street, Lawrence, MA 01840,  
Attn: Arthur McCabe -Manager, [amccabe@cityoflawrence.com](mailto:amccabe@cityoflawrence.com)  
U.S. Environmental Protection Agency, 5 Post Office Square, Suite 100, Boston, MA 02109,  
Attn: Michael Barry, [barry.michael@epa.gov](mailto:barry.michael@epa.gov)

| #21 Hofmann Avenue Soil Sampling Data (mg/kg) 10/5/07 |      |      |      |      |       |     |       |     |     |
|---|------|------|------|------|-------|-----|-------|-----|-----|
| SAMPLE  | PCB  | As   | Ba   | Cd   | Cr    | Ag  | Pb    | Se  | Hg  |
| SB-134  | 1.2  | 9.3  | 50   | .85  | 21    | .27 | 91    | .75 | .30 |
| SB-135  | 1.5  | 12   | 77   | 1.3  | 27    | 1.8 | 230   | .75 | .37 |
| SB-136  | 1.6  | 11   | 50   | .95  | 21    | .27 | 130   | .70 | .35 |
| SB-137  | 1.9  | 12   | 62   | 1.0  | 23    | .26 | 150   | .70 | .36 |
| SB-138  | .92  | 19   | 44   | .98  | 22    | .25 | 91    | .70 | .26 |
| SB-139  | .38  | 10   | 50   | .96  | 25    | .27 | 83    | .70 | .20 |
| SB-140  | .95  | 16   | 52   | .88  | 34    | .29 | 79    | .75 | .14 |
| SB-141  | 1.4  | 12   | 50   | .98  | 25    | .29 | 100   | .70 | .24 |
| SB-142  | 3.8  | 13   | 71   | 1.5  | 23    | .27 | 320   | .70 | .90 |
| SB-143  | 2.4  | 9.2  | 75   | 2.3  | 27    | .27 | 180   | .70 | .44 |
| SB-144  | 4.1  | 11   | 76   | 2.2  | 26    | .27 | 220   | .70 | .43 |
| Average   | 1.83 | 12.2 | 59.7 | 1.26 | 24.91 | .41 | 138.5 | .71 | .36 |
| S-1   | 2.0  | 20   | 1000 | 2.0  | 30    | 100 | 300   | 400 | 20  |
| Bkgd.   | NA   | 20   | 50   | 2    | 30    | 0.6 | 100   | 0.5 | 0.3 |

PCB = polychlorinated biphenyl, As = Arsenic, Ba = Barium, Cd = Cadmium, Cr = Chromium, Ag = Silver, Pb = Lead, Se = Selenium, Hg = Mercury

NA = Not Applicable

S-1 = MassDEP's Cleanup Standards for soil at residential properties

Bkgd. = MassDEP's Published background concentrations for metals in natural soil



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Commissioner

July 29, 2010

Mr. John Raineri  
25 Hofmann Avenue  
Lawrence, MA 01841

Subject: Lawrence – 25 Hofmann Avenue Soil Sampling Results

Dear Mr. Raineri:

As you are aware, the Massachusetts Department of Environmental Protection's (MassDEP's) contractor, Shaw Environmental, Inc. (Shaw), collected surficial soil samples from the backyard of your property at 25 Hofmann Avenue in Lawrence on October 5, 2007. Shaw has prepared a "Site Evaluation Summary Report" detailing the soil sampling activities and test results. A copy of the report is enclosed for your convenience. A total of five surficial soil samples were collected from your property (SB-124 thru SB-128). A map showing the location of these samples is included in the report. These soil samples were laboratory analyzed for polychlorinated biphenyls (PCBs) and metals. The analytical results of the samples collected from your property have also been tabulated and included in the report. MassDEP has developed an average concentration for each contaminant of concern and compared them to MassDEP soil cleanup standards for residential properties (S-1 standards). Please see attached table. MassDEP's review has resulted in the determination that none of the contaminants on your property were detected at a level that would pose a risk to the health of residents.

If you have any questions concerning this letter and/or the report, please contact Valerie Thompson at (978) 694-3348.

Very truly yours,

Joanne Fagan  
Section Chief, Brownfields/Permits  
Bureau of Waste Site Cleanup  
Northeast Regional Office

Hofmann Ave. Sampling  
Page 2 of 2

Cc:

City of Lawrence Inspectional Services Department, 200 Common Street, Lawrence, MA 01840,

Attn: Peter Blanchette- Building Commissioner, [pblanchette@cityoflawrence.com](mailto:pblanchette@cityoflawrence.com)

City of Lawrence, Office of the Mayor, 200 Common Street, Lawrence, MA 01840,

Attn: Mayor William Lantigua, [wlantigua@cityoflawrence.com](mailto:wlantigua@cityoflawrence.com)

City of Lawrence, Community Development, 147 Haverhill Street, Lawrence, MA 01840,

Attn: Arthur McCabe -Manager, [amccabe@cityoflawrence.com](mailto:amccabe@cityoflawrence.com)

U.S. Environmental Protection Agency, 5 Post Office Square, Suite 100, Boston, MA 02109,

Attn: Michael Barry, [barry.michael@epa.gov](mailto:barry.michael@epa.gov)



| #25 Hofmann Avenue Soil Sampling Data (mg/kg) 10/4/07 |      |      |       |     |    |     |     |     |     |
|---|------|------|-------|-----|----|-----|-----|-----|-----|
| SAMPLE  | PCB  | As   | Ba    | Cd  | Cr | Ag  | Pb  | Se  | Hg  |
| SB-124  | .97  | 12   | 56    | .72 | 22 | .25 | 120 | .70 | .22 |
| SB-125  | .92  | 12   | 120   | 1.8 | 30 | .25 | 380 | .60 | .38 |
| SB-126  | 1.5  | 14   | 240   | 3.5 | 24 | .27 | 600 | .70 | .43 |
| SB-127  | .96  | 13   | 97    | 1.5 | 27 | .29 | 160 | .75 | .46 |
| SB-128  | .71  | 12   | 100   | 1.6 | 27 | .27 | 240 | .70 | .43 |
| Average   | 1.01 | 12.6 | 122.6 | 1.8 | 26 | .27 | 300 | .69 | .41 |
| S-1   | 2.0  | 20   | 1000  | 2.0 | 30 | 100 | 300 | 400 | 20  |
| Bkgd.   | NA   | 20   | 50    | 2   | 30 | 0.6 | 100 | 0.5 | 0.3 |

PCB = polychlorinated biphenyl, As = Arsenic, Ba = Barium, Cd = Cadmium, Cr = Chromium, Ag = Silver, Pb = Lead, Se = Selenium, Hg = Mercury

NA = Not Applicable

S-1 = MassDEP's Cleanup Standards for soil at residential properties

Bkgd. = MassDEP's Published background concentrations for metals in natural soil

File



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IAN A. BOWLES  
Secretary

LAURIE BURT  
Commissioner

July 29, 2010

C. Gabriella Perez Fiato  
168 Old Ferry Road  
Methuen, MA 01844

Subject: Lawrence – 27/29 Hofmann Avenue Soil Sampling Results

Dear Property Owner:

As you are aware, the Massachusetts Department of Environmental Protection's (MassDEP's) contractor, Shaw Environmental, Inc. (Shaw), collected surficial soil samples from the backyard of your property at 27/29 Hofmann Avenue in Lawrence on October 5, 2007. Shaw has prepared a "Site Evaluation Summary Report" detailing the soil sampling activities and test results. A copy of the report is enclosed for your convenience. A total of ten surficial soil samples were collected from your property (SB-114 thru SB-123). A map showing the location of these samples is included in the report. These soil samples were laboratory analyzed for polychlorinated biphenyls (PCBs) and metals. The analytical results of the samples collected from your property have also been tabulated and included in the report. MassDEP has developed an average concentration for each contaminant of concern and compared them to MassDEP soil cleanup standards for residential properties (S-1 standards). Please see attached table. MassDEP's review has resulted in the determination that none of the contaminants on your property were detected at a level that would pose a risk to the health of residents.

If you have any questions concerning this letter or the enclosed report, please contact Valerie Thompson at (978) 694-3348.

Very truly yours,

A handwritten signature in cursive script that reads "Joanne Fagan".

Joanne Fagan  
Section Chief, Brownfields/Permits  
Bureau of Waste Site Cleanup  
Northeast Regional Office

Hofmann Ave. Sampling  
Page 2 of 2

cc:

City of Lawrence Inspectional Services Department, 200 Common Street, Lawrence, MA 01840,

Attn: Peter Blanchette- Building Commissioner, [pblanchette@cityoflawrence.com](mailto:pblanchette@cityoflawrence.com)

City of Lawrence, Office of the Mayor, 200 Common Street, Lawrence, MA 01840,

Attn: Mayor William Lantigua, [wlantigua@cityoflawrence.com](mailto:wlantigua@cityoflawrence.com)

City of Lawrence, Community Development, 147 Haverhill Street, Lawrence, MA 01840,

Attn: Arthur McCabe -Manager, [amccabe@cityoflawrence.com](mailto:amccabe@cityoflawrence.com)

U.S. Environmental Protection Agency, 5 Post Office Square, Suite 100, Boston, MA 02109,

Attn: Michael Barry, [barry.michael@epa.gov](mailto:barry.michael@epa.gov)

| #27/29 Hofmann Avenue Soil Sampling Data (mg/kg) 10/4/07 |     |      |      |     |      |     |      |     |      |
|--|-----|------|------|-----|------|-----|------|-----|------|
| SAMPLE   | PCB | As   | Ba   | Cd  | Cr   | Ag  | Pb   | Se  | Hg   |
| SB-114   | .29 | 12   | 64   | 1.2 | 24   | .25 | 130  | .60 | .22  |
| SB-115   | .25 | 10   | 44   | .96 | 28   | .25 | 71   | .70 | .21  |
| SB-116   | .71 | 20   | 79   | 1.1 | 24   | .25 | 150  | .70 | .40  |
| SB-117   | .11 | 6.7  | 32   | .58 | 19   | .25 | 35   | .70 | .079 |
| SB-118   | .19 | 10   | 43   | .70 | 23   | .27 | 77   | .70 | .16  |
| SB-119   | .22 | 8.5  | 42   | .61 | 20   | .25 | 83   | .70 | .23  |
| SB-120   | .39 | 15   | 45   | .65 | 20   | .27 | 78   | .70 | .25  |
| SB-121   | .34 | 15   | 52   | .80 | 29   | .25 | 81   | .70 | .14  |
| SB-122   | .43 | 21   | 42   | .93 | 34   | .27 | 70   | .70 | .22  |
| SB-123   | .64 | 17   | 51   | .78 | 24   | .25 | 110  | .70 | .27  |
| Average  | .36 | 12.5 | 49.4 | .83 | 24.5 | .26 | 88.5 | .69 | .22  |
| S-1  | 2.0 | 20   | 1000 | 2.0 | 30   | 100 | 300  | 400 | 20   |
| Bkgd.  | NA  | 20   | 50   | 2   | 30   | 0.6 | 100  | 0.5 | 0.3  |

PCB = polychlorinated biphenyl, As = Arsenic, Ba = Barium, Cd = Cadmium, Cr = Chromium, Ag = Silver, Pb = Lead, Se = Selenium, Hg = Mercury

NA = Not Applicable

S-1 = MassDEP's Cleanup Standards for soil at residential properties

Bkgd. = MassDEP's Published background concentrations for metals in natural soil

File



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July 29, 2010

Mr. Charles Crafts  
31 Hofmann Avenue  
Lawrence, MA 01841

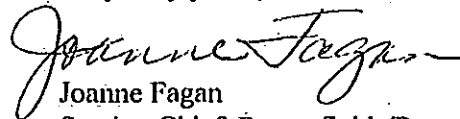
Subject: Lawrence – 31 Hofmann Avenue Soil Sampling Results

Dear Mr. Crafts:

As you are aware, the Massachusetts Department of Environmental Protection's (MassDEP's) contractor, Shaw Environmental, Inc. (Shaw), collected surficial soil samples from the backyard of your property at 31 Hofmann Avenue in Lawrence on October 5, 2007. Shaw has prepared a "Site Evaluation Summary Report" detailing the soil sampling activities and test results. A copy of the report is enclosed for your convenience. A total of ten surficial soil samples were collected from your property (SB-104 thru SB-1113). A map showing the location of these samples is included in the report. These soil samples were laboratory analyzed for polychlorinated biphenyls (PCBs) and metals. The analytical results of the samples collected from your property have also been tabulated and included in the report. MassDEP has developed an average concentration for each contaminant of concern and compared them to MassDEP soil cleanup standards for residential properties (S-1). Please see attached table. MassDEP's review has resulted in the determination that none of the contaminants on your property were detected at a level that would pose a risk to the health of residents. Although none of the contaminants detected on your property exceed MassDEP soil cleanup standards, the concentration of PCBs slightly exceed the United States Environmental Protection Agency (U.S. EPA) residential soil standard for PCBs. MassDEP has requested the assistance of the U.S. EPA Response and Removal Section to conduct a limited removal of contaminated soil from properties in your neighborhood. As part of remedial activities proposed for your neighborhood, U.S. EPA is planning to offer to conduct a limited removal of contaminated soil from your property at no cost to you.

MassDEP and the U.S. EPA will be contacting you to discuss the soil sampling results in Shaw's report and the proposed cleanup of your property in more detail. If you have any questions concerning this letter, please contact Valerie Thompson at (978) 694-3348.

Very truly yours,



Joanne Fagan  
Section Chief, Brownfields/Permits  
Bureau of Waste Site Cleanup  
Northeast Regional Office

cc:

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Attn: Arthur McCabe -Manager, [amccabe@cityoflawrence.com](mailto:amccabe@cityoflawrence.com)

U.S. Environmental Protection Agency, 5 Post Office Square, Suite 100, Boston, MA 02109,

Attn: Michael Barry, [barry.michael@epa.gov](mailto:barry.michael@epa.gov)

| #31 Hofmann Avenue Soil Sampling Data (mg/kg)10/4/07 |      |      |      |      |      |     |       |     |     |
|--|------|------|------|------|------|-----|-------|-----|-----|
| SAMPLE   | PCB  | As   | Ba   | Cd   | Cr   | Ag  | Pb    | Se  | Hg  |
| SB-104   | .57  | 7.7  | 53   | .77  | 26   | .27 | 100   | .70 | .20 |
| SB-105   | 1.7  | 15   | 81   | 1.5  | 28   | .26 | 210   | .70 | .40 |
| SB-106   | .71  | 8.6  | 66   | .98  | 24   | .26 | 170   | .70 | .32 |
| SB-107   | 2.0  | 12   | 79   | 1.4  | 31   | .26 | 220   | .70 | .34 |
| SB-108   | .80  | 9.9  | 60   | 1.0  | 26   | .25 | 180   | .60 | .32 |
| SB-109   | 4.0  | 9.7  | 82   | .80  | 24   | .27 | 170   | .70 | .18 |
| SB-110   | 3.0  | 11   | 81   | 1.7  | 31   | .25 | 220   | .60 | .40 |
| SB-111   | .19  | 8.0  | 49   | .58  | 24   | .25 | 73    | .70 | .10 |
| SB-112   | .27  | 7.6  | 43   | .78  | 25   | .27 | 72    | .70 | .15 |
| SB-113   | 1.2  | 9.7  | 62   | 1.1  | 26   | .26 | 170   | .70 | .54 |
| Average  | 1.44 | 9.92 | 65.6 | 1.06 | 26.5 | .26 | 175.5 | .68 | .30 |
| S-1  | 2.0  | 20   | 1000 | 2.0  | 30   | 100 | 300   | 400 | 20  |
| Bkgd.  | NA   | 20   | 50   | 2    | 30   | 0.6 | 100   | 0.5 | 0.3 |

PCB = polychlorinated biphenyl, As = Arsenic, Ba = Barium, Cd = Cadmium, Cr = Chromium, Ag = Silver, Pb = Lead, Se = Selenium, Hg = Mercury.

NA = Not Applicable

S-1 = MassDEP's Cleanup Standards for soil at residential properties

Bkgd. = MassDEP's Published background concentrations for metals in natural soil



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Lieutenant Governor

IAN A. ROWLES  
Secretary

LAURIE BURT  
Commissioner

July 29, 2010

Mr. Joseph Beaulieu  
33 Hofmann Avenue  
Lawrence, MA 01841

Subject: Lawrence – 33 Hofmann Avenue Soil Sampling Results

Dear Mr. Beaulieu:

As you are aware, the Massachusetts Department of Environmental Protection's (MassDEP's) contractor, Shaw Environmental, Inc. (Shaw), collected surficial soil samples from the backyard of your property at 33 Hofmann Avenue in Lawrence on October 5, 2007. Shaw has prepared a "Site Evaluation Summary Report" detailing the soil sampling activities and test results. A copy of the report is enclosed for your convenience. A total of twenty surficial soil samples were collected from your property (SB-84 thru SB-103). A map showing the location of these samples is included in the report. These soil samples were laboratory analyzed for polychlorinated biphenyls (PCBs) and metals. The analytical results of the samples collected from your property have also been tabulated and included in the report. MassDEP has developed an average concentration for each contaminant of concern and compared them to MassDEP soil cleanup standards for residential properties (S-1 standards). Please see attached table. MassDEP's review has resulted in the determination that none of the contaminants on your property were detected at a level that would pose a risk to the health of residents.

If you have any questions concerning this letter and/or the enclosed report, please contact Valérie Thompson at (978) 694-3348.

Very truly yours,

Joanne Fagan  
Section Chief, Brownfields/Permits  
Bureau of Waste Site Cleanup  
Northeast Regional Office



Hofmann Ave. Sampling  
Page 2 of 2

cc:

City of Lawrence Inspectional Services Department, 200 Common Street, Lawrence, MA 01840,  
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City of Lawrence, Office of the Mayor, 200 Common Street, Lawrence, MA 01840,  
Attn: Mayor William Lantigua, [wlantigua@cityoflawrence.com](mailto:wlantigua@cityoflawrence.com)  
City of Lawrence, Community Development, 147 Haverhill Street, Lawrence, MA 01840,  
Attn: Arthur McCabe -Manager, [amccabe@cityoflawrence.com](mailto:amccabe@cityoflawrence.com)  
U.S. Environmental Protection Agency, 5 Post Office Square, Suite 100, Boston, MA 02109,  
Attn: Michael Barry, [barry.michael@epa.gov](mailto:barry.michael@epa.gov)

| #33 Hofmann Avenue Soil Sampling Data (mg/kg) 10/4/07 |      |      |       |      |       |     |     |     |      |
|---|------|------|-------|------|-------|-----|-----|-----|------|
| SAMPLE  | PCB  | As   | Ba    | Cd   | Cr    | Ag  | Pb  | Se  | Hg   |
| SB-84   | .69  | 9.0  | 160   | 1.7  | 20    | .26 | 290 | .76 | .33  |
| SB-85   | .57  | 11   | 95    | 0.93 | 24    | .35 | 230 | .75 | .30  |
| SB-86   | .33  | 9.4  | 82    | .82  | 23    | .28 | 180 | 1.4 | .19  |
| SB-87   | .60  | 9.9  | 91    | .97  | 27    | .28 | 260 | .70 | .25  |
| SB-88   | .54  | 10   | 120   | 1.1  | 28    | .33 | 280 | .53 | .75  |
| SB-89   | .063 | 6.9  | 45    | .31  | 32    | .28 | 53  | .72 | .071 |
| SB-90   | .46  | 11   | 83    | .85  | 23    | .27 | 230 | .72 | .41  |
| SB-91   | .009 | 7.4  | 45    | .29  | 26    | .27 | 42  | .72 | .056 |
| SB-92   | 1.0  | 9.5  | 83    | .98  | 22    | .27 | 230 | .72 | .27  |
| SB-93   | .025 | 7.1  | 43    | .27  | 24    | .24 | 35  | .51 | .049 |
| SB-94   | .009 | 6.9  | 45    | .28  | 25    | .26 | 50  | .72 | .075 |
| SB-95   | .16  | 10   | 64    | .26  | 24    | .24 | 100 | .72 | .11  |
| SB-96   | .77  | 9.9  | 100   | 1.1  | 23    | .24 | 260 | .75 | .26  |
| SB-97   | .009 | 7.3  | 43    | .26  | 27    | .26 | 31  | .70 | .068 |
| SB-98   | .092 | 8.7  | 66    | .72  | 23    | .27 | 200 | .72 | .17  |
| SB-99   | .012 | 6.9  | 48    | .34  | 26    | .27 | 33  | .70 | .077 |
| SB-100  | .087 | 6.6  | 53    | .37  | 20    | .25 | 68  | .70 | .093 |
| SB-101  | .019 | 6.8  | 48    | .40  | 25    | .23 | 55  | .60 | .074 |
| SB-102  | .14  | 9.7  | 67    | .65  | 30    | .27 | 120 | .70 | .18  |
| SB-103  | .009 | 6.9  | 44    | .31  | 27    | .25 | 50  | .70 | .077 |
| Average   | .28  | 8.05 | 71.25 | 0.65 | 24.95 | .27 | 166 | .73 | .19  |
| S-1   | 2.0  | 20   | 1000  | 2.0  | 30    | 100 | 300 | 400 | 20   |
| Bkgd.   | NA   | 20   | 50    | 2    | 30    | 0.6 | 100 | 0.5 | 0.3  |

PCB = polychlorinated biphenyl, As = Arsenic, Ba = Barium, Cd = Cadmium, Cr = Chromium, Ag = Silver, Pb = Lead, Se = Selenium, Hg = Mercury

NA = Not Applicable

S-1 = MassDEP's Cleanup Standards for soil at residential properties

Bkgd. = MassDEP's Published background concentrations for metals in natural soil



COMMONWEALTH OF MASSACHUSETTS  
EXECUTIVE OFFICE OF ENERGY & ENVIRONMENTAL AFFAIRS  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
NORTHEAST REGIONAL OFFICE

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TIMOTHY P. MURRAY  
Lieutenant Governor

ARLEEN O'DONNELL  
Commissioner

July 29, 2010

Mr. Alfred Beaulieu, Jr.  
51 Hofmann Avenue  
Lawrence, MA 01841

Subject: Lawrence – 41 & 51 Hofmann Avenue Soil Sampling Results

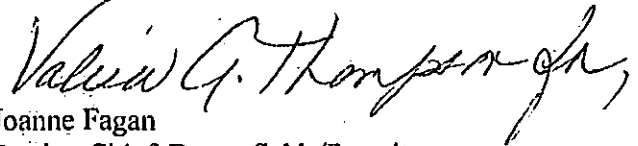
Dear Mr. Beaulieu:

As you are aware, the Massachusetts Department of Environmental Protection's (MassDEP's) contractor, Shaw Environmental, Inc. (Shaw), collected surficial soil samples from the backyard of your properties at 41 and 51 Hofmann Avenue in Lawrence on October 5, 2007. Shaw has prepared a "Site Evaluation Summary Report" detailing the soil sampling activities and test results. A copy of this report is enclosed for your convenience. A total of fifty-one surficial soil samples were collected from your properties (SB-32 thru SB-70, and SB-71 thru SB-83). A map showing the location of these samples is included in the report. These soil samples were laboratory analyzed for polychlorinated biphenyls (PCBs) and metals. The analytical results of the samples collected from your properties have also been tabulated and included in the report. MassDEP has developed an average concentration for each contaminant of concern and compared them to MassDEP soil cleanup standards for residential properties (S-1 standards). Please see attached tables. MassDEP's review has resulted in the determination that the levels of PCBs and lead detected on your properties are above the cleanup standards that have been established for residential properties. As was discussed with you previously, the levels of metals that were detected in the surficial soil samples from your property may pose a risk to human health from produce grown in those soils. As such, MassDEP is recommending that you refrain from digging in surficial soils, planting a vegetable garden, and refrain from eating any produce grown in the surficial soil at your properties.

MassDEP has requested the assistance of the United States Environmental Protection Agency's (U.S. EPA) Response and Removal Section to conduct a limited removal of contaminated soil from your properties at no cost to you. U.S. EPA and MassDEP will be contacting you to discuss

the soil sampling results in Shaw's report and the proposed cleanup of your properties in more detail. If you have any questions concerning this letter, please contact Valerie Thompson at (978) 694-3348.

Very truly yours,



Joanne Fagan  
Section Chief, Brownfields/Permits  
Bureau of Waste Site Cleanup  
Northeast Regional Office

cc:

City of Lawrence Inspectional Services Department, 200 Common Street, Lawrence, MA 01840,

Attn: Peter Blanchette- Building Commissioner, [pblanchette@cityoflawrence.com](mailto:pblanchette@cityoflawrence.com)

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Attn: Mayor William Lantigua, [wlantigua@cityoflawrence.com](mailto:wlantigua@cityoflawrence.com)

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Attn: Arthur McCabe -Manager, [amccabe@cityoflawrence.com](mailto:amccabe@cityoflawrence.com)

U.S. Environmental Protection Agency, 5 Post Office Square, Suite 100, Boston, MA 02109,

Attn: Michael Barry, [barry.michael@epa.gov](mailto:barry.michael@epa.gov)

| #41 Hofmann Avenue Soil Sampling Data (mg/kg) 10/3/07 |     |      |      |      |      |      |      |      |      |
|---|-----|------|------|------|------|------|------|------|------|
| SAMPLE  | PCB | As   | Ba   | Cd   | Cr   | Ag   | Pb   | Se   | Hg   |
| SB-71   | 1.5 | 8.9  | 100  | 1.5  | 22   | 0.19 | 470  | 0.15 | 1.3  |
| SB-72   | 3.4 | 14   | 120  | 1.8  | 26   | 0.16 | 530  | 1.8  | 0.63 |
| SB-73   | 4.4 | 12   | 250  | 6.0  | 31   | 0.29 | 510  | 1.2  | 0.71 |
| SB-74   | 1.5 | 20   | 1400 | 30   | 71   | 0.53 | 1300 | 0.7  | 1.0  |
| SB-75   | 1.2 | 9.0  | 110  | 1.6  | 24   | 0.6  | 510  | 0.68 | 0.52 |
| SB-76   | 4.2 | 57   | 200  | 3.4  | 27   | 0.36 | 1000 | 1.1  | 0.89 |
| SB-77   | 4.6 | 12   | 140  | 2.5  | 33   | 0.26 | 510  | 0.68 | 0.58 |
| SB-78   | 1.3 | 17   | 330  | 6.1  | 27   | 0.11 | 300  | 0.84 | 0.44 |
| SB-79   | .78 | 10   | 130  | 1.7  | 19   | 0.21 | 1000 | 0.48 | 0.46 |
| SB-80   | 2.6 | 17   | 200  | 3.7  | 28   | 0.29 | 560  | 0.7  | 0.52 |
| SB-81   | .40 | 11   | 100  | 1.2  | 24   | 0.29 | 400  | 0.7  | 0.46 |
| SB-82   | .32 | 11   | 52   | 0.48 | 20   | 0.24 | 110  | 0.6  | 0.16 |
| SB-83   | .58 | 17   | 290  | 2.5  | 27   | 0.24 | 220  | 0.6  | 1.6  |
| Average   | 2.1 | 16.6 | 263  | 4.8  | 29.2 | 0.3  | 571  | 0.79 | 0.7  |
| S-1   | 2.0 | 20   | 1000 | 2.0  | 30   | 100  | 300  | 400  | 20   |
| Bkgd.   | NA  | 20   | 50   | 2    | 30   | 0.6  | 100  | 0.5  | 0.3  |

PCB = polychlorinated biphenyl, As = Arsenic, Ba = Barium, Cd = Cadmium, Cr = Chromium, Ag = Silver, Pb = Lead, Se = Selenium, Hg = Mercury

NA = Not Applicable

S-1 = MassDEP's Cleanup Standards for soil at residential properties

Bkgd. = MassDEP's Published background concentrations for metals in natural soil

| #51 Hofmann Avenue Soil Sampling Data (mg/kg) 10/2/07 (0-6") |      |      |      |      |      |      |     |      |      |
|--|------|------|------|------|------|------|-----|------|------|
| SAMPLE   | PCB  | As   | Ba   | Cd   | Cr   | Ag   | Pb  | Se   | Hg   |
| SB-32  | 2.0  | 14   | 68   | 1.6  | 21   | 0.15 | 140 | 0.40 | 0.35 |
| SB-33  | 3.4  | 11   | 56   | 1.7  | 21   | 0.05 | 130 | 0.41 | 0.36 |
| SB-34  | 1.2  | 11   | 270  | 15   | 28   | 0.31 | 340 | 1.6  | 0.52 |
| SB-36  | 1.6  | 12   | 54   | 0.99 | 19   | 0.05 | 110 | 0.38 | 0.36 |
| SB-38  | 1.9  | 17   | 280  | 13   | 27   | 0.14 | 290 | 1.1  | 0.72 |
| SB-39  | 1.1  | 9.7  | 51   | 0.89 | 26   | 0.11 | 91  | 0.13 | 0.66 |
| SB-40  | 1.6  | 10   | 49   | 0.92 | 17   | 0.05 | 92  | 0.34 | 0.26 |
| SB-41  | 22.0 | 14   | 180  | 3.6  | 47   | 0.24 | 300 | 0.30 | 0.71 |
| SB-41<br>(6-12")   | 5.1  | 8.6  | 65   | 1.3  | 18   | .55  | 76  | .44  | .31  |
| SB-42  | 1.0  | 9.5  | 57   | 0.95 | 23   | 0.21 | 100 | 0.7  | 0.05 |
| SB-43  | 1.9  | 13   | 65   | 1.3  | 24   | 0.24 | 130 | 0.75 | 0.31 |
| SB-44  | 3.3  | 14   | 77   | 1.6  | 26   | 0.26 | 170 | 0.7  | 0.33 |
| SB-45  | 10.0 | 23   | 180  | 3.4  | 42   | 0.29 | 370 | 0.75 | 0.61 |
| SB-45<br>(6-12")   | 1.6  | 13   | 58   | .94  | 18   | .06  | 83  | .47  | .22  |
| SB-49  | 1.5  | 12   | 64   | 1.2  | 24   | 0.29 | 140 | 0.75 | 0.26 |
| SB-50  | 2.0  | 11   | 65   | 1.5  | 24   | 0.26 | 140 | 0.7  | 0.32 |
| SB-54  | 1.5  | 11   | 57   | 1.1  | 24   | 0.26 | 120 | 0.7  | 0.24 |
| SB-55  | 2.0  | 14   | 65   | 1.3  | 23   | 0.27 | 160 | 0.7  | 0.33 |
| SB-56  | 2.0  | 14   | 110  | 1.4  | 32   | 0.25 | 330 | 0.7  | 0.39 |
| SB-57  | 1.2  | 14   | 56   | 1.1  | 22   | 0.27 | 180 | 0.7  | 0.33 |
| SB-58  | 1.8  | 13   | 67   | 1.3  | 24   | 0.29 | 170 | 0.75 | 0.33 |
| SB-59  | 5.7  | 15   | 160  | 2.9  | 25   | 0.26 | 410 | 0.7  | 0.53 |
| Average<br>(Yard)  | 3.3  | 12.3 | 93.7 | 2.00 | 24.1 | 0.21 | 177 | 0.64 | 0.58 |
| S-1  | 2.0  | 20   | 1000 | 2.0  | 30   | 100  | 300 | 400  | 20   |
| GARDEN   | PCB  | As   | Ba   | Cd   | Cr   | Ag   | Pb  | Se   | Hg   |
| SB-63  | 0.87 | 11   | 130  | 1.3  | 29   | 0.29 | 370 | 0.75 | 0.61 |
| SB-63<br>(6-12")   | NA   | 9.4  | 89   | 0.78 | 20   | 0.11 | 220 | 0.40 | 0.77 |
| SB-64  | 0.83 | 11   | 150  | 1.4  | 30   | 0.25 | 370 | 0.7  | 0.53 |
| SB-64<br>(6-12")   | NA   | 9.6  | 120  | 0.96 | 22   | 0.13 | 300 | 0.58 | 0.77 |
| SB-65  | 0.75 | 13   | 190  | 2.6  | 32   | 0.26 | 470 | 0.7  | 0.78 |
| SB-65<br>(6-12")   | NA   | 11   | 180  | 2.7  | 23   | 0.32 | 500 | 0.84 | 0.68 |
| SB-66  | 1.2  | 12   | 130  | 1.3  | 29   | 0.29 | 340 | 0.7  | 0.78 |
| SB-66<br>(6-12")   | NA   | 13   | 82   | 1.1  | 21   | 0.05 | 200 | 0.39 | 0.59 |
| SB-67  | 0.79 | 13   | 170  | 1.6  | 31   | 0.29 | 400 | 0.75 | 0.84 |
| SB-67  | NA   | 12   | 140  | 1.3  | 22   | 0.19 | 310 | 0.43 | 0.83 |

| (6-12")                       |      |      |       |      |       |      |       |      |      |
|-------------------------------|------|------|-------|------|-------|------|-------|------|------|
| GARDEN                        | PCB  | As   | Ba    | Cd   | Cr    | Ag   | Pb    | Se   | Hg   |
| SB-68                         | 0.84 | 12   | 390   | 1.5  | 35    | 0.30 | 410   | 0.75 | 0.67 |
| SB-68<br>(6-12")              | NA   | 9.3  | 120   | 1.2  | 25    | 0.15 | 350   | 0.41 | 0.74 |
| SB-69                         | 1.4  | 10   | 140   | 2.0  | 26    | 0.22 | 360   | 0.57 | 0.87 |
| SB-69<br>(6-12")              | NA   | 11   | 280   | 4.0  | 26    | 0.37 | 550   | 0.61 | 0.56 |
| SB-70                         | 0.78 | 8.0  | 100   | 1.0  | 20    | 0.11 | 610   | 0.46 | 0.61 |
| SB-70<br>(6-12")              | NA   | 9.5  | 110   | 1.4  | 24    | 0.21 | 350   | 0.37 | 0.72 |
| Average<br>(Garden)           | 0.9  | 10.3 | 157.6 | 1.63 | 25.94 | 0.22 | 382   | 0.59 | 0.71 |
| S-1 Std.                      | 2.0  | 20   | 1000  | 2.0  | 30    | 100  | 300   | 400  | 20   |
| Average<br>(Yard &<br>Garden) | 2.15 | 11.3 | 125.7 | 1.82 | 25.02 | 0.21 | 279.5 | 0.62 | 0.65 |
| Bkgd.                         | NA   | 20   | 50    | 2    | 30    | 0.6  | 100   | 0.5  | 0.3  |

PCB = polychlorinated biphenyl, As = Arsenic, Ba = Barium, Cd = Cadmium, Cr = Chromium, Ag = Silver, Pb = Lead, Se = Selenium, Hg = Mercury

NA = Not Applicable

S-1 = MassDEP's Cleanup Standards for soil at residential properties

Bkgd. = MassDEP's Published background concentrations for metals in natural soil

File



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DEPARTMENT OF ENVIRONMENTAL PROTECTION  
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TIMOTHY P. MURRAY  
Lieutenant Governor

LAURIE BURT  
Commissioner

July 29, 2010

Ms. Mary-Jo Matachun  
53 Hofmann Avenue  
Lawrence, MA 01841

Subject: Lawrence – 53 Hofmann Avenue Surficial Soil Sampling

Dear Ms. Matachun:

As you are aware, the Massachusetts Department of Environmental Protection's (MassDEP's) contractor, Shaw Environmental, Inc. (Shaw), collected surficial soil samples from the backyard of your property at 53 Hofmann Avenue in Lawrence on October 5, 2007. Shaw has prepared a "Site Evaluation Summary Report" detailing the soil sampling activities and test results. A copy of this report is enclosed for your convenience. A total of nineteen surficial soil samples were collected from your property (SB-05 thru SB-38). A map showing the location of these samples is included in the report. These soil samples were laboratory analyzed for polychlorinated biphenyls (PCBs) and metals. The analytical results of the samples collected from your property have also been tabulated and included in the report. MassDEP has developed an average concentration for each contaminant of concern and compared them to MassDEP soil cleanup standards for residential properties (S-1 standards). Please see attached table. MassDEP's review has resulted in the determination that one of the contaminants on your property, cadmium (Cd), was detected at a level (2.5 mg/kg) that slightly exceeds the MassDEP residential cleanup standard of 2.0 mg/kg that has been established for residential properties.

Mass DEP has requested the assistance of the United States Environmental Protection Agency's (U.S. EPA) Response and Removal Section to conduct a limited removal of contaminated soil from your property at no cost to you. U.S. EPA and MassDEP will be contacting you to discuss the soil sampling results in Shaw's report and the proposed cleanup of your property in more detail.



If you have any questions concerning this letter, please contact Valerie Thompson at (978) 694-3348.

Very truly yours,



Joanne Fagan  
Section Chief, Brownfields/Permits  
Bureau of Waste Site Cleanup  
Northeast Regional Office

cc:

City of Lawrence Inspectional Services Department, 200 Common Street, Lawrence, MA 01840,

Attn: Peter Blanchette- Building Commissioner, [pblanchette@cityoflawrence.com](mailto:pblanchette@cityoflawrence.com)

City of Lawrence, Office of the Mayor, 200 Common Street, Lawrence, MA 01840,

Attn: Mayor William Lantigua, [wlantigua@cityoflawrence.com](mailto:wlantigua@cityoflawrence.com)

City of Lawrence, Community Development, 147 Haverhill Street, Lawrence, MA 01840,

Attn: Arthur McCabe -Manager, [amccabe@cityoflawrence.com](mailto:amccabe@cityoflawrence.com)

U.S. Environmental Protection Agency, 5 Post Office Square, Suite 100, Boston, MA 02109,

Attn: Michael Barry, [barry.michael@epa.gov](mailto:barry.michael@epa.gov)

| #53 Hofmann Avenue Soil Sampling Data (mg/kg) 10/2/07 (0-6") |     |     |      |      |      |      |     |      |      |
|--|-----|-----|------|------|------|------|-----|------|------|
| SAMPLE   | PCB | As  | Ba   | Cd   | Cr   | Ag   | Pb  | Se   | Hg   |
| SB-05  | 1.3 | 7.9 | 43   | 0.93 | 16   | 0.05 | 89  | 0.13 | 0.21 |
| SB-06  | 1.3 | 7.2 | 42   | 0.87 | 16   | 0.05 | 77  | 0.53 | 0.24 |
| SB-07  | 0.5 | 8.3 | 49   | 0.73 | 15   | 0.05 | 74  | 0.12 | 0.22 |
| SB-08  | 0.4 | 7.7 | 40   | 0.59 | 14   | 0.05 | 54  | 0.40 | 0.21 |
| SB-13  | 0.4 | 8.7 | 47   | 0.70 | 16   | 0.05 | 69  | 0.29 | 0.23 |
| SB-14  | 0.6 | 8.2 | 51   | 0.81 | 17   | 0.05 | 76  | 0.38 | 0.26 |
| SB-15  | 1.2 | 7.1 | 76   | 1.7  | 19   | 0.05 | 120 | 0.26 | 0.25 |
| SB-19  | 0.6 | 11  | 46   | 0.68 | 18   | 0.05 | 70  | 0.12 | 0.22 |
| SB-20  | 1.6 | 8.2 | 58   | 1.2  | 19   | 0.05 | 120 | 0.13 | 0.26 |
| SB-21  | 3.1 | 9.4 | 2200 | 2.4  | 130  | 2.0  | 760 | 0.41 | 0.34 |
| SB-21<br>(6-12")   |     | 9.7 | 340  | 2.3  | 100  | 1.3  | 250 | .52  | .27  |
| SB-25  | 0.3 | 8.0 | 37   | 0.58 | 28   | 0.14 | 52  | 0.32 | 0.22 |
| SB-26  | 0.4 | 9.8 | 50   | 0.94 | 17   | 0.12 | 75  | 0.36 | 0.25 |
| SB-27  | 1.7 | 7.7 | 50   | 1.0  | 17   | 0.05 | 110 | 0.13 | 0.27 |
| SB-32  | 2.0 | 14  | 68   | 1.6  | 21   | 0.15 | 140 | 0.40 | 0.35 |
| SB-33  | 3.4 | 11  | 56   | 1.7  | 21   | 0.05 | 130 | 0.41 | 0.36 |
| SB-34  | 1.2 | 11  | 270  | 15   | 28   | 0.31 | 340 | 1.6  | 0.52 |
| SB-36  | 1.6 | 12  | 54   | 0.99 | 19   | 0.05 | 110 | 0.38 | 0.36 |
| SB-38  | 1.9 | 17  | 280  | 13   | 27   | 0.14 | 290 | 1.1  | 0.72 |
| Average  | 1.3 | 9.7 | 203  | 2.5  | 29.4 | 0.19 | 158 | 0.42 | 0.30 |
| S-1 Std.   | 2.0 | 20  | 1000 | 2.0  | 30   | 100  | 300 | 400  | 20   |
| Bkgd.  | NA  | 20  | 50   | 2    | 30   | 0.6  | 100 | 0.5  | 0.3  |

PCB = polychlorinated biphenyl, As = Arsenic, Ba = Barium, Cd = Cadmium, Cr = Chromium, Ag = Silver, Pb = Lead, Se = Selenium, Hg = Mercury

NA = Not Applicable

S-1 = MassDEP's Cleanup Standards for soil at residential properties

Bkgd. = MassDEP's Published background concentrations for metals in natural soil



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Commissioner

July 29, 2010

Mr. Robert Costello  
19 Hofmann Avenue  
Lawrence, MA 01841

Subject: Lawrence -19 Hofmann Avenue Soil Sampling Results

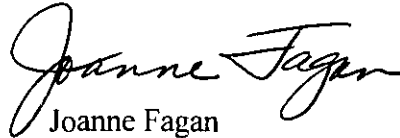
*3-18126 - 207 Marston St.*

Dear Mr. Costello:

As you are aware, the Massachusetts Department of Environmental Protection's (MassDEP's) contractor, Shaw Environmental, Inc. (Shaw) collected surficial soil samples from the backyard of your property at 19 Hofmann Avenue in Lawrence on October 5, 2007. Shaw has prepared a "Site Evaluation Summary Report" detailing the soil sampling activities and test results. A copy of this report is enclosed for your convenience. A total of five surficial soil samples were collected from your property (SB-129 thru SB-133). A map showing the location of these samples is included in the report. These soil samples were laboratory analyzed for polychlorinated biphenyls (PCBs) and metals. The analytical results of the samples collected from your property have also been tabulated and included in the report. MassDEP has taken the average concentration of each contaminant of concern and compared them to MassDEP soil standards for residential properties (S-1). Please see attached table. MassDEP's review has resulted in the determination that chromium was detected on your property at a level slightly above its S-1 soil standard for total chromium. The S-1 soil standard for total chromium was established to be protective of two forms of chromium found in the environment, trivalent chromium and hexavalent chromium. Trivalent chromium is the form most commonly found in the environment, however, and exhibits very low toxicity. Therefore, MassDEP would like to further evaluate the chromium results identified at your property and determine which form of chromium, trivalent or hexavalent, is present.

MassDEP is currently working with the U.S. Environmental Protection Agency (EPA) to conduct further sampling of your property and will be contacting you to make arrangements. If you have any questions concerning this letter, please contact Valerie Thompson at (978) 694-3348.

Very truly yours,



Joanne Fagan  
Section Chief, Brownfields/Permits  
Bureau of Waste Site Cleanup  
Northeast Regional Office

cc:

City of Lawrence Inspectional Services Department, 200 Common Street, Lawrence, MA 01840,

Attn: Peter Blanchette- Building Commissioner, [pblanchette@cityoflawrence.com](mailto:pblanchette@cityoflawrence.com)

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Attn: Arthur McCabe -Manager, [amccabe@cityoflawrence.com](mailto:amccabe@cityoflawrence.com)

U.S. Environmental Protection Agency, 5 Post Office Square, Suite 100, Boston, MA 02109,

Attn: Michael Barry, [barry.michael@epa.gov](mailto:barry.michael@epa.gov)

| #19 Hofmann Avenue Soil Sampling Data (mg/kg) 10/5/07 |     |      |      |      |             |     |       |     |     |
|---|-----|------|------|------|-------------|-----|-------|-----|-----|
| SAMPLE  | PCB | As   | Ba   | Cd   | Cr          | Ag  | Pb    | Se  | Hg  |
| SB-129  | .80 | 31   | 140  | 1.7  | <b>40</b>   | .25 | 170   | .70 | .51 |
| SB-130  | .49 | 11   | 110  | 1.4  | 27          | 2.7 | 170   | .70 | .31 |
| SB-131  | .64 | 11   | 90   | 1.4  | 28          | .30 | 210   | .75 | .36 |
| SB-132  | 1.3 | 9.9  | 68   | 1.1  | 24          | .30 | 220   | .75 | .33 |
| SB-133  | .19 | 11   | 37   | 1.1  | <b>37</b>   | .26 | 88    | .70 | .17 |
| Average   | .68 | 14.8 | 89   | 1.34 | <b>31.2</b> | .76 | 171.6 | .72 | .34 |
| S-1   | 2.0 | 20   | 1000 | 2.0  | <b>30</b>   | 100 | 300   | 400 | 20  |
| Bkgd.   | NA  | 20   | 50   | 2    | 30          | 0.6 | 100   | 0.5 | 0.3 |

PCB = polychlorinated biphenyl, As = Arsenic, Ba = Barium, Cd = Cadmium, Cr = Chromium, Ag = Silver, Pb = Lead, Se = Selenium, Hg = Mercury

NA = Not Applicable

S-1 = MassDEP's Cleanup Standards for soil at residential properties

Bkgd. = MassDEP's Published background concentrations for metals in natural soil



COMMONWEALTH OF MASSACHUSETTS  
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July 29, 2010

Mr. Richard Rodriguez  
21 Hofmann Avenue  
Lawrence, MA 01841

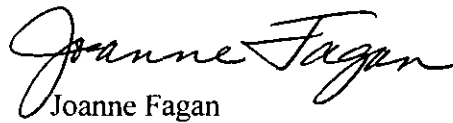
Subject: Lawrence – 21 Hofmann Avenue Soil Sampling Results

Dear Mr. Rodriguez:

As you are aware, The Massachusetts Department of Environmental Protection's (MassDEP's) contractor, Shaw Environmental, Inc. (Shaw), collected surficial soil samples from the backyard of your property at 21 Hofmann Avenue in Lawrence on October 5, 2007. Shaw has prepared a "Site Evaluation Summary Report" detailing the soil sampling activities and test results. A copy of this report is enclosed for your convenience. A total of eleven surficial soil samples were collected from your property (SB-134 thru SB-144). A map showing the location of these samples is included in the report. These soil samples were laboratory analyzed for polychlorinated biphenyls (PCBs) and metals. The analytical results of the samples collected from your property have also been tabulated and included in the report. MassDEP has developed an average concentration for each contaminant of concern and compared them to MassDEP soil cleanup standards for residential properties (S-1 standards). Please see attached table. MassDEP's review has resulted in the determination that none of the contaminants on your property were detected at a level that would pose a risk to the health of residents. Although none of the contaminants detected on your property exceed MassDEP soil cleanup standards, the concentration of PCBs slightly exceed the United States Environmental Protection Agency (U.S. EPA) residential soil standard for PCBs. MassDEP has requested the assistance of the U.S. EPA's Response and Removal Section to conduct a limited removal of contaminated soil from properties in your neighborhood. As part of remedial activities proposed for your neighborhood, U.S. EPA is planning to offer to conduct a limited removal of contaminated soil from your property at no cost to you.

MassDEP and the U.S. EPA will be contacting you to discuss the soil sampling results in Shaw's report and the proposed cleanup of your property in more detail. If you have any questions concerning this letter, please contact Valerie Thompson at (978) 694-3348.

Very truly yours,



Joanne Fagan  
Section Chief, Brownfields/Permits  
Bureau of Waste Site Cleanup  
Northeast Regional Office

Cc:

City of Lawrence Inspectional Services Department, 200 Common Street, Lawrence, MA 01840,

Attn: Peter Blanchette- Building Commissioner, [pblanchette@cityoflawrence.com](mailto:pblanchette@cityoflawrence.com)

City of Lawrence, Office of the Mayor, 200 Common Street, Lawrence, MA 01840,

Attn: Mayor William Lantigua, [wlantigua@cityoflawrence.com](mailto:wlantigua@cityoflawrence.com)

City of Lawrence, Community Development, 147 Haverhill Street, Lawrence, MA 01840,

Attn: Arthur McCabe -Manager, [amccabe@cityoflawrence.com](mailto:amccabe@cityoflawrence.com)

U.S. Environmental Protection Agency, 5 Post Office Square, Suite 100, Boston, MA 02109,

Attn: Michael Barry, [barry.michael@epa.gov](mailto:barry.michael@epa.gov)

| #21 Hofmann Avenue Soil Sampling Data (mg/kg) 10/5/07 |            |      |      |            |           |     |            |     |     |
|---|------------|------|------|------------|-----------|-----|------------|-----|-----|
| SAMPLE  | PCB        | As   | Ba   | Cd         | Cr        | Ag  | Pb         | Se  | Hg  |
| SB-134  | 1.2        | 9.3  | 50   | .85        | 21        | .27 | 91         | .75 | .30 |
| SB-135  | 1.5        | 12   | 77   | 1.3        | 27        | 1.8 | 230        | .75 | .37 |
| SB-136  | 1.6        | 11   | 50   | .95        | 21        | .27 | 130        | .70 | .35 |
| SB-137  | 1.9        | 12   | 62   | 1.0        | 23        | .26 | 150        | .70 | .36 |
| SB-138  | .92        | 19   | 44   | .98        | 22        | .25 | 91         | .70 | .26 |
| SB-139  | .38        | 10   | 50   | .96        | 25        | .27 | 83         | .70 | .20 |
| SB-140  | .95        | 16   | 52   | .88        | <b>34</b> | .29 | 79         | .75 | .14 |
| SB-141  | 1.4        | 12   | 50   | .98        | 25        | .29 | 100        | .70 | .24 |
| SB-142  | <b>3.8</b> | 13   | 71   | 1.5        | 23        | .27 | <b>320</b> | .70 | .90 |
| SB-143  | <b>2.4</b> | 9.2  | 75   | <b>2.3</b> | 27        | .27 | 180        | .70 | .44 |
| SB-144  | <b>4.1</b> | 11   | 76   | <b>2.2</b> | 26        | .27 | 220        | .70 | .43 |
| Average   | 1.83       | 12.2 | 59.7 | 1.26       | 24.91     | .41 | 138.5      | .71 | .36 |
| S-1   | 2.0        | 20   | 1000 | 2.0        | 30        | 100 | 300        | 400 | 20  |
| Bkgd.   | NA         | 20   | 50   | 2          | 30        | 0.6 | 100        | 0.5 | 0.3 |

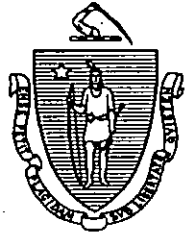
PCB = polychlorinated biphenyl, As = Arsenic, Ba = Barium, Cd = Cadmium, Cr = Chromium, Ag = Silver, Pb = Lead, Se = Selenium, Hg = Mercury

NA = Not Applicable

S-1 = MassDEP's Cleanup Standards for soil at residential properties

**Bkgd.** = MassDEP's Published background concentrations for metals in natural soil





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Commissioner

July 29, 2010

Mr. John Raineri  
25 Hofmann Avenue  
Lawrence, MA 01841

Subject: Lawrence – 25 Hofmann Avenue Soil Sampling Results

Dear Mr. Raineri:

As you are aware, the Massachusetts Department of Environmental Protection's (MassDEP's) contractor, Shaw Environmental, Inc. (Shaw), collected surficial soil samples from the backyard of your property at 25 Hofmann Avenue in Lawrence on October 5, 2007. Shaw has prepared a "Site Evaluation Summary Report" detailing the soil sampling activities and test results. A copy of the report is enclosed for your convenience. A total of five surficial soil samples were collected from your property (SB-124 thru SB-128). A map showing the location of these samples is included in the report. These soil samples were laboratory analyzed for polychlorinated biphenyls (PCBs) and metals. The analytical results of the samples collected from your property have also been tabulated and included in the report. MassDEP has developed an average concentration for each contaminant of concern and compared them to MassDEP soil cleanup standards for residential properties (S-1 standards). Please see attached table. MassDEP's review has resulted in the determination that none of the contaminants on your property were detected at a level that would pose a risk to the health of residents.

If you have any questions concerning this letter and/or the report, please contact Valerie Thompson at (978) 694-3348.

Very truly yours,

Joanne Fagan  
Section Chief, Brownfields/Permits  
Bureau of Waste Site Cleanup  
Northeast Regional Office

Hofmann Ave. Sampling

Page 2 of 2

Cc:

City of Lawrence Inspectional Services Department, 200 Common Street, Lawrence, MA 01840,

Attn: Peter Blanchette- Building Commissioner, [pblanchette@cityoflawrence.com](mailto:pblanchette@cityoflawrence.com)

City of Lawrence, Office of the Mayor, 200 Common Street, Lawrence, MA 01840,

Attn: Mayor William Lantigua, [wlantigua@cityoflawrence.com](mailto:wlantigua@cityoflawrence.com)

City of Lawrence, Community Development, 147 Haverhill Street, Lawrence, MA 01840,

Attn: Arthur McCabe -Manager, [amccabe@cityoflawrence.com](mailto:amccabe@cityoflawrence.com)

U.S. Environmental Protection Agency, 5 Post Office Square, Suite 100, Boston, MA 02109,

Attn: Michael Barry, [barry.michael@epa.gov](mailto:barry.michael@epa.gov)

| #25 Hofmann Avenue Soil Sampling Data (mg/kg) 10/4/07 |      |      |       |            |    |     |            |     |     |
|---|------|------|-------|------------|----|-----|------------|-----|-----|
| SAMPLE  | PCB  | As   | Ba    | Cd         | Cr | Ag  | Pb         | Se  | Hg  |
| SB-124  | .97  | 12   | 56    | .72        | 22 | .25 | 120        | .70 | .22 |
| SB-125  | .92  | 12   | 120   | 1.8        | 30 | .25 | <b>380</b> | .60 | .38 |
| SB-126  | 1.5  | 14   | 240   | <b>3.5</b> | 24 | .27 | <b>600</b> | .70 | .43 |
| SB-127  | .96  | 13   | 97    | 1.5        | 27 | .29 | 160        | .75 | .46 |
| SB-128  | .71  | 12   | 100   | 1.6        | 27 | .27 | 240        | .70 | .43 |
| Average   | 1.01 | 12.6 | 122.6 | 1.8        | 26 | .27 | 300        | .69 | .41 |
| S-1   | 2.0  | 20   | 1000  | 2.0        | 30 | 100 | 300        | 400 | 20  |
| Bkgd.   | NA   | 20   | 50    | 2          | 30 | 0.6 | 100        | 0.5 | 0.3 |

PCB = polychlorinated biphenyl, As = Arsenic, Ba = Barium, Cd = Cadmium, Cr = Chromium, Ag = Silver, Pb = Lead, Se = Selenium, Hg = Mercury

NA = Not Applicable

S-1 = MassDEP's Cleanup Standards for soil at residential properties

Bkgd. = MassDEP's Published background concentrations for metals in natural soil

File



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Commissioner

July 29, 2010

C. Gabriella Perez Fiato  
168 Old Ferry Road  
Methuen, MA 01844

Subject: Lawrence – 27/29 Hofmann Avenue Soil Sampling Results

Dear Property Owner:

As you are aware, the Massachusetts Department of Environmental Protection's (MassDEP's) contractor, Shaw Environmental, Inc. (Shaw), collected surficial soil samples from the backyard of your property at 27/29 Hofmann Avenue in Lawrence on October 5, 2007. Shaw has prepared a "Site Evaluation Summary Report" detailing the soil sampling activities and test results. A copy of the report is enclosed for your convenience. A total of ten surficial soil samples were collected from your property (SB-114 thru SB-123). A map showing the location of these samples is included in the report. These soil samples were laboratory analyzed for polychlorinated biphenyls (PCBs) and metals. The analytical results of the samples collected from your property have also been tabulated and included in the report. MassDEP has developed an average concentration for each contaminant of concern and compared them to MassDEP soil cleanup standards for residential properties (S-1 standards). Please see attached table. MassDEP's review has resulted in the determination that none of the contaminants on your property were detected at a level that would pose a risk to the health of residents.

If you have any questions concerning this letter or the enclosed report, please contact Valerie Thompson at (978) 694-3348.

Very truly yours,

Joanne Fagan  
Section Chief, Brownfields/Permits  
Bureau of Waste Site Cleanup  
Northeast Regional Office

cc:

City of Lawrence Inspectional Services Department, 200 Common Street, Lawrence, MA 01840,

Attn: Peter Blanchette- Building Commissioner, [pblanchette@cityoflawrence.com](mailto:pblanchette@cityoflawrence.com)

City of Lawrence, Office of the Mayor, 200 Common Street, Lawrence, MA 01840,

Attn: Mayor William Lantigua, [wlantigua@cityoflawrence.com](mailto:wlantigua@cityoflawrence.com)

City of Lawrence, Community Development, 147 Haverhill Street, Lawrence, MA 01840,

Attn: Arthur McCabe -Manager, [amccabe@cityoflawrence.com](mailto:amccabe@cityoflawrence.com)

U.S. Environmental Protection Agency, 5 Post Office Square, Suite 100, Boston, MA 02109,

Attn: Michael Barry, [barry.michael@epa.gov](mailto:barry.michael@epa.gov)

| #27/29 Hofmann Avenue Soil Sampling Data (mg/kg) 10/4/07 |     |      |      |     |      |     |      |     |      |
|--|-----|------|------|-----|------|-----|------|-----|------|
| SAMPLE   | PCB | As   | Ba   | Cd  | Cr   | Ag  | Pb   | Se  | Hg   |
| SB-114   | .29 | 12   | 64   | 1.2 | 24   | .25 | 130  | .60 | .22  |
| SB-115   | .25 | 10   | 44   | .96 | 28   | .25 | 71   | .70 | .21  |
| SB-116   | .71 | 20   | 79   | 1.1 | 24   | .25 | 150  | .70 | .40  |
| SB-117   | .11 | 6.7  | 32   | .58 | 19   | .25 | 35   | .70 | .079 |
| SB-118   | .19 | 10   | 43   | .70 | 23   | .27 | 77   | .70 | .16  |
| SB-119   | .22 | 8.5  | 42   | .61 | 20   | .25 | 83   | .70 | .23  |
| SB-120   | .39 | 15   | 45   | .65 | 20   | .27 | 78   | .70 | .25  |
| SB-121   | .34 | 15   | 52   | .80 | 29   | .25 | 81   | .70 | .14  |
| SB-122   | .43 | 21   | 42   | .93 | 34   | .27 | 70   | .70 | .22  |
| SB-123   | .64 | 17   | 51   | .78 | 24   | .25 | 110  | .70 | .27  |
| Average  | .36 | 12.5 | 49.4 | .83 | 24.5 | .26 | 88.5 | .69 | .22  |
| S-1  | 2.0 | 20   | 1000 | 2.0 | 30   | 100 | 300  | 400 | 20   |
| Bkgd.  | NA  | 20   | 50   | 2   | 30   | 0.6 | 100  | 0.5 | 0.3  |

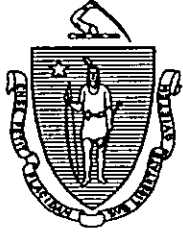
PCB = polychlorinated biphenyl, As = Arsenic, Ba = Barium, Cd = Cadmium, Cr = Chromium, Ag = Silver, Pb = Lead, Se = Selenium, Hg = Mercury

NA = Not Applicable

S-1 = MassDEP's Cleanup Standards for soil at residential properties

Bkgd. = MassDEP's Published background concentrations for metals in natural soil

File



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July 29, 2010

Mr. Charles Crafts  
31 Hofmann Avenue  
Lawrence, MA 01841

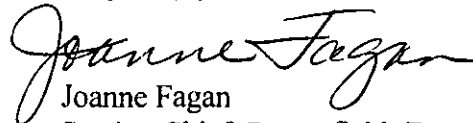
Subject: Lawrence – 31 Hofmann Avenue Soil Sampling Results

Dear Mr. Crafts:

As you are aware, the Massachusetts Department of Environmental Protection's (MassDEP's) contractor, Shaw Environmental, Inc. (Shaw), collected surficial soil samples from the backyard of your property at 31 Hofmann Avenue in Lawrence on October 5, 2007. Shaw has prepared a "Site Evaluation Summary Report" detailing the soil sampling activities and test results. A copy of the report is enclosed for your convenience. A total of ten surficial soil samples were collected from your property (SB-104 thru SB-1113). A map showing the location of these samples is included in the report. These soil samples were laboratory analyzed for polychlorinated biphenyls (PCBs) and metals. The analytical results of the samples collected from your property have also been tabulated and included in the report. MassDEP has developed an average concentration for each contaminant of concern and compared them to MassDEP soil cleanup standards for residential properties (S-1). Please see attached table. MassDEP's review has resulted in the determination that none of the contaminants on your property were detected at a level that would pose a risk to the health of residents. Although none of the contaminants detected on your property exceed MassDEP soil cleanup standards, the concentration of PCBs slightly exceed the United States Environmental Protection Agency (U.S. EPA) residential soil standard for PCBs. MassDEP has requested the assistance of the U.S. EPA Response and Removal Section to conduct a limited removal of contaminated soil from properties in your neighborhood. As part of remedial activities proposed for your neighborhood, U.S. EPA is planning to offer to conduct a limited removal of contaminated soil from your property at no cost to you.

MassDEP and the U.S. EPA will be contacting you to discuss the soil sampling results in Shaw's report and the proposed cleanup of your property in more detail. If you have any questions concerning this letter, please contact Valerie Thompson at (978) 694-3348.

Very truly yours,



Joanne Fagan  
Section Chief, Brownfields/Permits  
Bureau of Waste Site Cleanup  
Northeast Regional Office

cc:

City of Lawrence Inspectional Services Department, 200 Common Street, Lawrence, MA 01840,

Attn: Peter Blanchette- Building Commissioner, [pblanchette@cityoflawrence.com](mailto:pblanchette@cityoflawrence.com)

City of Lawrence, Office of the Mayor, 200 Common Street, Lawrence, MA 01840,

Attn: Mayor William Lantigua, [wlantigua@cityoflawrence.com](mailto:wlantigua@cityoflawrence.com)

City of Lawrence, Community Development, 147 Haverhill Street, Lawrence, MA 01840,

Attn: Arthur McCabe -Manager, [amccabe@cityoflawrence.com](mailto:amccabe@cityoflawrence.com)

U.S. Environmental Protection Agency, 5 Post Office Square, Suite 100, Boston, MA 02109,

Attn: Michael Barry, [barry.michael@epa.gov](mailto:barry.michael@epa.gov)



| #31 Hofmann Avenue Soil Sampling Data (mg/kg)10/4/07 |      |      |      |      |      |     |       |     |     |
|--|------|------|------|------|------|-----|-------|-----|-----|
| SAMPLE   | PCB  | As   | Ba   | Cd   | Cr   | Ag  | Pb    | Se  | Hg  |
| SB-104   | .57  | 7.7  | 53   | .77  | 26   | .27 | 100   | .70 | .20 |
| SB-105   | 1.7  | 15   | 81   | 1.5  | 28   | .26 | 210   | .70 | .40 |
| SB-106   | .71  | 8.6  | 66   | .98  | 24   | .26 | 170   | .70 | .32 |
| SB-107   | 2.0  | 12   | 79   | 1.4  | 31   | .26 | 220   | .70 | .34 |
| SB-108   | .80  | 9.9  | 60   | 1.0  | 26   | .25 | 180   | .60 | .32 |
| SB-109   | 4.0  | 9.7  | 82   | .80  | 24   | .27 | 170   | .70 | .18 |
| SB-110   | 3.0  | 11   | 81   | 1.7  | 31   | .25 | 220   | .60 | .40 |
| SB-111   | .19  | 8.0  | 49   | .58  | 24   | .25 | 73    | .70 | .10 |
| SB-112   | .27  | 7.6  | 43   | .78  | 25   | .27 | 72    | .70 | .15 |
| SB-113   | 1.2  | 9.7  | 62   | 1.1  | 26   | .26 | 170   | .70 | .54 |
| Average  | 1.44 | 9.92 | 65.6 | 1.06 | 26.5 | .26 | 175.5 | .68 | .30 |
| S-1  | 2.0  | 20   | 1000 | 2.0  | 30   | 100 | 300   | 400 | 20  |
| Bkgd.  | NA   | 20   | 50   | 2    | 30   | 0.6 | 100   | 0.5 | 0.3 |

PCB = polychlorinated biphenyl, As = Arsenic, Ba = Barium, Cd = Cadmium, Cr = Chromium, Ag = Silver, Pb = Lead, Se = Selenium, Hg = Mercury.

NA = Not Applicable

S-1 = MassDEP's Cleanup Standards for soil at residential properties

Bkgd. = MassDEP's Published background concentrations for metals in natural soil

File



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Commissioner

July 29, 2010

Mr. Joseph Beaulieu  
33 Hofmann Avenue  
Lawrence, MA 01841

Subject: Lawrence – 33 Hofmann Avenue Soil Sampling Results

Dear Mr. Beaulieu:

As you are aware, the Massachusetts Department of Environmental Protection's (MassDEP's) contractor, Shaw Environmental, Inc. (Shaw), collected surficial soil samples from the backyard of your property at 33 Hofmann Avenue in Lawrence on October 5, 2007. Shaw has prepared a "Site Evaluation Summary Report" detailing the soil sampling activities and test results. A copy of the report is enclosed for your convenience. A total of twenty surficial soil samples were collected from your property (SB-84 thru SB-103). A map showing the location of these samples is included in the report. These soil samples were laboratory analyzed for polychlorinated biphenyls (PCBs) and metals. The analytical results of the samples collected from your property have also been tabulated and included in the report. MassDEP has developed an average concentration for each contaminant of concern and compared them to MassDEP soil cleanup standards for residential properties (S-1 standards). Please see attached table. MassDEP's review has resulted in the determination that none of the contaminants on your property were detected at a level that would pose a risk to the health of residents.

If you have any questions concerning this letter and/or the enclosed report, please contact Valerie Thompson at (978) 694-3348.

Very truly yours,

Joanne Fagan  
Section Chief, Brownfields/Permits  
Bureau of Waste Site Cleanup  
Northeast Regional Office

cc:

City of Lawrence Inspectional Services Department, 200 Common Street, Lawrence, MA 01840,

Attn: Peter Blanchette- Building Commissioner, [pblanchette@cityoflawrence.com](mailto:pblanchette@cityoflawrence.com)

City of Lawrence, Office of the Mayor, 200 Common Street, Lawrence, MA 01840,

Attn: Mayor William Lantigua, [wlantigua@cityoflawrence.com](mailto:wlantigua@cityoflawrence.com)

City of Lawrence, Community Development, 147 Haverhill Street, Lawrence, MA 01840,

Attn: Arthur McCabe -Manager, [amccabe@cityoflawrence.com](mailto:amccabe@cityoflawrence.com)

U.S. Environmental Protection Agency, 5 Post Office Square, Suite 100, Boston, MA 02109,

Attn: Michael Barry, [barry.michael@epa.gov](mailto:barry.michael@epa.gov)

| #33 Hofmann Avenue Soil Sampling Data (mg/kg) 10/4/07 |      |      |       |      |       |     |     |     |      |
|---|------|------|-------|------|-------|-----|-----|-----|------|
| SAMPLE  | PCB  | As   | Ba    | Cd   | Cr    | Ag  | Pb  | Se  | Hg   |
| SB-84   | .69  | 9.0  | 160   | 1.7  | 20    | .26 | 290 | .76 | .33  |
| SB-85   | .57  | 11   | 95    | 0.93 | 24    | .35 | 230 | .75 | .30  |
| SB-86   | .33  | 9.4  | 82    | .82  | 23    | .28 | 180 | 1.4 | .19  |
| SB-87   | .60  | 9.9  | 91    | .97  | 27    | .28 | 260 | .70 | .25  |
| SB-88   | .54  | 10   | 120   | 1.1  | 28    | .33 | 280 | .53 | .75  |
| SB-89   | .063 | 6.9  | 45    | .31  | 32    | .28 | 53  | .72 | .071 |
| SB-90   | .46  | 11   | 83    | .85  | 23    | .27 | 230 | .72 | .41  |
| SB-91   | .009 | 7.4  | 45    | .29  | 26    | .27 | 42  | .72 | .056 |
| SB-92   | 1.0  | 9.5  | 83    | .98  | 22    | .27 | 230 | .72 | .27  |
| SB-93   | .025 | 7.1  | 43    | .27  | 24    | .24 | 35  | .51 | .049 |
| SB-94   | .009 | 6.9  | 45    | .28  | 25    | .26 | 50  | .72 | .075 |
| SB-95   | .16  | 10   | 64    | .26  | 24    | .24 | 100 | .72 | .11  |
| SB-96   | .77  | 9.9  | 100   | 1.1  | 23    | .24 | 260 | .75 | .26  |
| SB-97   | .009 | 7.3  | 43    | .26  | 27    | .26 | 31  | .70 | .068 |
| SB-98   | .092 | 8.7  | 66    | .72  | 23    | .27 | 200 | .72 | .17  |
| SB-99   | .012 | 6.9  | 48    | .34  | 26    | .27 | 33  | .70 | .077 |
| SB-100  | .087 | 6.6  | 53    | .37  | 20    | .25 | 68  | .70 | .093 |
| SB-101  | .019 | 6.8  | 48    | .40  | 25    | .23 | 55  | .60 | .074 |
| SB-102  | .14  | 9.7  | 67    | .65  | 30    | .27 | 120 | .70 | .18  |
| SB-103  | .009 | 6.9  | 44    | .31  | 27    | .25 | 50  | .70 | .077 |
| Average   | .28  | 8.05 | 71.25 | 0.65 | 24.95 | .27 | 166 | .73 | .19  |
| S-1   | 2.0  | 20   | 1000  | 2.0  | 30    | 100 | 300 | 400 | 20   |
| Bkgd.   | NA   | 20   | 50    | 2    | 30    | 0.6 | 100 | 0.5 | 0.3  |

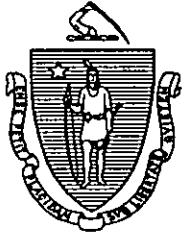
PCB = polychlorinated biphenyl, As = Arsenic, Ba = Barium, Cd = Cadmium, Cr = Chromium, Ag = Silver, Pb = Lead, Se = Selenium, Hg = Mercury

NA = Not Applicable

S-1 = MassDEP's Cleanup Standards for soil at residential properties

Bkgd. = MassDEP's Published background concentrations for metals in natural soil

File



COMMONWEALTH OF MASSACHUSETTS  
EXECUTIVE OFFICE OF ENERGY & ENVIRONMENTAL AFFAIRS  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
NORTHEAST REGIONAL OFFICE

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IAN A. BOWLES  
Secretary

ARLEEN O'DONNELL  
Commissioner

July 29, 2010

Mr. Alfred Beaulieu, Jr.  
51 Hofmann Avenue  
Lawrence, MA 01841

Subject: Lawrence -- 41 & 51 Hofmann Avenue Soil Sampling Results

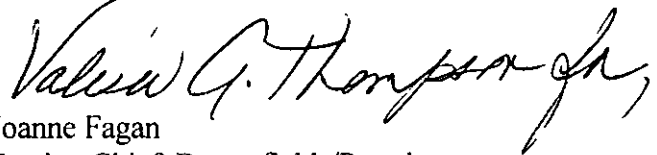
Dear Mr. Beaulieu:

As you are aware, the Massachusetts Department of Environmental Protection's (MassDEP's) contractor, Shaw Environmental, Inc. (Shaw), collected surficial soil samples from the backyard of your properties at 41 and 51 Hofmann Avenue in Lawrence on October 5, 2007. Shaw has prepared a "Site Evaluation Summary Report" detailing the soil sampling activities and test results. A copy of this report is enclosed for your convenience. A total of fifty-one surficial soil samples were collected from your properties (SB-32 thru SB-70, and SB-71 thru SB-83). A map showing the location of these samples is included in the report. These soil samples were laboratory analyzed for polychlorinated biphenyls (PCBs) and metals. The analytical results of the samples collected from your properties have also been tabulated and included in the report. MassDEP has developed an average concentration for each contaminant of concern and compared them to MassDEP soil cleanup standards for residential properties (S-1 standards). Please see attached tables. MassDEP's review has resulted in the determination that the levels of PCBs and lead detected on your properties are above the cleanup standards that have been established for residential properties. As was discussed with you previously, the levels of metals that were detected in the surficial soil samples from your property may pose a risk to human health from produce grown in those soils. As such, MassDEP is recommending that you refrain from digging in surficial soils, planting a vegetable garden, and refrain from eating any produce grown in the surficial soil at your properties.

MassDEP has requested the assistance of the United States Environmental Protection Agency's (U.S. EPA) Response and Removal Section to conduct a limited removal of contaminated soil from your properties at no cost to you. U.S. EPA and MassDEP will be contacting you to discuss

the soil sampling results in Shaw's report and the proposed cleanup of your properties in more detail. If you have any questions concerning this letter, please contact Valerie Thompson at (978) 694-3348.

Very truly yours,



Joanne Fagan  
Section Chief, Brownfields/Permits  
Bureau of Waste Site Cleanup  
Northeast Regional Office

cc:

City of Lawrence Inspectional Services Department, 200 Common Street, Lawrence, MA 01840,

Attn: Peter Blanchette- Building Commissioner, [pblanchette@cityoflawrence.com](mailto:pblanchette@cityoflawrence.com)

City of Lawrence, Office of the Mayor, 200 Common Street, Lawrence, MA 01840,

Attn: Mayor William Lantigua, [wlantigua@cityoflawrence.com](mailto:wlantigua@cityoflawrence.com)

City of Lawrence, Community Development, 147 Haverhill Street, Lawrence, MA 01840,

Attn: Arthur McCabe -Manager, [amccabe@cityoflawrence.com](mailto:amccabe@cityoflawrence.com)

U.S. Environmental Protection Agency, 5 Post Office Square, Suite 100, Boston, MA 02109,

Attn: Michael Barry, [barry.michael@epa.gov](mailto:barry.michael@epa.gov)

| #41 Hofmann Avenue Soil Sampling Data (mg/kg) 10/3/07 |     |      |      |      |      |      |      |      |      |
|---|-----|------|------|------|------|------|------|------|------|
| SAMPLE  | PCB | As   | Ba   | Cd   | Cr   | Ag   | Pb   | Se   | Hg   |
| SB-71   | 1.5 | 8.9  | 100  | 1.5  | 22   | 0.19 | 470  | 0.15 | 1.3  |
| SB-72   | 3.4 | 14   | 120  | 1.8  | 26   | 0.16 | 530  | 1.8  | 0.63 |
| SB-73   | 4.4 | 12   | 250  | 6.0  | 31   | 0.29 | 510  | 1.2  | 0.71 |
| SB-74   | 1.5 | 20   | 1400 | 30   | 71   | 0.53 | 1300 | 0.7  | 1.0  |
| SB-75   | 1.2 | 9.0  | 110  | 1.6  | 24   | 0.6  | 510  | 0.68 | 0.52 |
| SB-76   | 4.2 | 57   | 200  | 3.4  | 27   | 0.36 | 1000 | 1.1  | 0.89 |
| SB-77   | 4.6 | 12   | 140  | 2.5  | 33   | 0.26 | 510  | 0.68 | 0.58 |
| SB-78   | 1.3 | 17   | 330  | 6.1  | 27   | 0.11 | 300  | 0.84 | 0.44 |
| SB-79   | .78 | 10   | 130  | 1.7  | 19   | 0.21 | 1000 | 0.48 | 0.46 |
| SB-80   | 2.6 | 17   | 200  | 3.7  | 28   | 0.29 | 560  | 0.7  | 0.52 |
| SB-81   | .40 | 11   | 100  | 1.2  | 24   | 0.29 | 400  | 0.7  | 0.46 |
| SB-82   | .32 | 11   | 52   | 0.48 | 20   | 0.24 | 110  | 0.6  | 0.16 |
| SB-83   | .58 | 17   | 290  | 2.5  | 27   | 0.24 | 220  | 0.6  | 1.6  |
| Average   | 2.1 | 16.6 | 263  | 4.8  | 29.2 | 0.3  | 571  | 0.79 | 0.7  |
| S-1   | 2.0 | 20   | 1000 | 2.0  | 30   | 100  | 300  | 400  | 20   |
| Bkgd.   | NA  | 20   | 50   | 2    | 30   | 0.6  | 100  | 0.5  | 0.3  |

PCB = polychlorinated biphenyl, As = Arsenic, Ba = Barium, Cd = Cadmium, Cr = Chromium, Ag = Silver, Pb = Lead, Se = Selenium, Hg = Mercury

NA = Not Applicable

S-1 = MassDEP's Cleanup Standards for soil at residential properties

Bkgd. = MassDEP's Published background concentrations for metals in natural soil

| #51 Hofmann Avenue Soil Sampling Data (mg/kg) 10/2/07 (0-6") |      |      |      |      |      |      |     |      |      |
|--|------|------|------|------|------|------|-----|------|------|
| SAMPLE   | PCB  | As   | Ba   | Cd   | Cr   | Ag   | Pb  | Se   | Hg   |
| SB-32  | 2.0  | 14   | 68   | 1.6  | 21   | 0.15 | 140 | 0.40 | 0.35 |
| SB-33  | 3.4  | 11   | 56   | 1.7  | 21   | 0.05 | 130 | 0.41 | 0.36 |
| SB-34  | 1.2  | 11   | 270  | 15   | 28   | 0.31 | 340 | 1.6  | 0.52 |
| SB-36  | 1.6  | 12   | 54   | 0.99 | 19   | 0.05 | 110 | 0.38 | 0.36 |
| SB-38  | 1.9  | 17   | 280  | 13   | 27   | 0.14 | 290 | 1.1  | 0.72 |
| SB-39  | 1.1  | 9.7  | 51   | 0.89 | 26   | 0.11 | 91  | 0.13 | 0.66 |
| SB-40  | 1.6  | 10   | 49   | 0.92 | 17   | 0.05 | 92  | 0.34 | 0.26 |
| SB-41  | 22.0 | 14   | 180  | 3.6  | 47   | 0.24 | 300 | 0.30 | 0.71 |
| SB-41<br>(6-12")   | 5.1  | 8.6  | 65   | 1.3  | 18   | .55  | 76  | .44  | .31  |
| SB-42  | 1.0  | 9.5  | 57   | 0.95 | 23   | 0.21 | 100 | 0.7  | 0.05 |
| SB-43  | 1.9  | 13   | 65   | 1.3  | 24   | 0.24 | 130 | 0.75 | 0.31 |
| SB-44  | 3.3  | 14   | 77   | 1.6  | 26   | 0.26 | 170 | 0.7  | 0.33 |
| SB-45  | 10.0 | 23   | 180  | 3.4  | 42   | 0.29 | 370 | 0.75 | 0.61 |
| SB-45<br>(6-12")   | 1.6  | 13   | 58   | .94  | 18   | .06  | 83  | .47  | .22  |
| SB-49  | 1.5  | 12   | 64   | 1.2  | 24   | 0.29 | 140 | 0.75 | 0.26 |
| SB-50  | 2.0  | 11   | 65   | 1.5  | 24   | 0.26 | 140 | 0.7  | 0.32 |
| SB-54  | 1.5  | 11   | 57   | 1.1  | 24   | 0.26 | 120 | 0.7  | 0.24 |
| SB-55  | 2.0  | 14   | 65   | 1.3  | 23   | 0.27 | 160 | 0.7  | 0.33 |
| SB-56  | 2.0  | 14   | 110  | 1.4  | 32   | 0.25 | 330 | 0.7  | 0.39 |
| SB-57  | 1.2  | 14   | 56   | 1.1  | 22   | 0.27 | 180 | 0.7  | 0.33 |
| SB-58  | 1.8  | 13   | 67   | 1.3  | 24   | 0.29 | 170 | 0.75 | 0.33 |
| SB-59  | 5.7  | 15   | 160  | 2.9  | 25   | 0.26 | 410 | 0.7  | 0.53 |
| Average<br>(Yard)  | 3.3  | 12.3 | 93.7 | 2.00 | 24.1 | 0.21 | 177 | 0.64 | 0.58 |
| S-1  | 2.0  | 20   | 1000 | 2.0  | 30   | 100  | 300 | 400  | 20   |
| GARDEN   | PCB  | As   | Ba   | Cd   | Cr   | Ag   | Pb  | Se   | Hg   |
| SB-63  | 0.87 | 11   | 130  | 1.3  | 29   | 0.29 | 370 | 0.75 | 0.61 |
| SB-63<br>(6-12")   | NA   | 9.4  | 89   | 0.78 | 20   | 0.11 | 220 | 0.40 | 0.77 |
| SB-64  | 0.83 | 11   | 150  | 1.4  | 30   | 0.25 | 370 | 0.7  | 0.53 |
| SB-64<br>(6-12")   | NA   | 9.6  | 120  | 0.96 | 22   | 0.13 | 300 | 0.58 | 0.77 |
| SB-65  | 0.75 | 13   | 190  | 2.6  | 32   | 0.26 | 470 | 0.7  | 0.78 |
| SB-65<br>(6-12")   | NA   | 11   | 180  | 2.7  | 23   | 0.32 | 500 | 0.84 | 0.68 |
| SB-66  | 1.2  | 12   | 130  | 1.3  | 29   | 0.29 | 340 | 0.7  | 0.78 |
| SB-66<br>(6-12")   | NA   | 13   | 82   | 1.1  | 21   | 0.05 | 200 | 0.39 | 0.59 |
| SB-67  | 0.79 | 13   | 170  | 1.6  | 31   | 0.29 | 400 | 0.75 | 0.84 |
| SB-67  | NA   | 12   | 140  | 1.3  | 22   | 0.19 | 310 | 0.43 | 0.83 |



| (6-12")                       |      |      |       |      |       |      |       |      |      |
|-------------------------------|------|------|-------|------|-------|------|-------|------|------|
| GARDEN                        | PCB  | As   | Ba    | Cd   | Cr    | Ag   | Pb    | Se   | Hg   |
| SB-68                         | 0.84 | 12   | 390   | 1.5  | 35    | 0.30 | 410   | 0.75 | 0.67 |
| SB-68<br>(6-12")              | NA   | 9.3  | 120   | 1.2  | 25    | 0.15 | 350   | 0.41 | 0.74 |
| SB-69                         | 1.4  | 10   | 140   | 2.0  | 26    | 0.22 | 360   | 0.57 | 0.87 |
| SB-69<br>(6-12")              | NA   | 11   | 280   | 4.0  | 26    | 0.37 | 550   | 0.61 | 0.56 |
| SB-70                         | 0.78 | 8.0  | 100   | 1.0  | 20    | 0.11 | 610   | 0.46 | 0.61 |
| SB-70<br>(6-12")              | NA   | 9.5  | 110   | 1.4  | 24    | 0.21 | 350   | 0.37 | 0.72 |
| Average<br>(Garden)           | 0.9  | 10.3 | 157.6 | 1.63 | 25.94 | 0.22 | 382   | 0.59 | 0.71 |
| S-1 Std.                      | 2.0  | 20   | 1000  | 2.0  | 30    | 100  | 300   | 400  | 20   |
| Average<br>(Yard &<br>Garden) | 2.15 | 11.3 | 125.7 | 1.82 | 25.02 | 0.21 | 279.5 | 0.62 | 0.65 |
| Bkgd.                         | NA   | 20   | 50    | 2    | 30    | 0.6  | 100   | 0.5  | 0.3  |

PCB = polychlorinated biphenyl, As = Arsenic, Ba = Barium, Cd = Cadmium, Cr = Chromium, Ag = Silver, Pb = Lead, Se = Selenium, Hg = Mercury

NA = Not Applicable

S-1 = MassDEP's Cleanup Standards for soil at residential properties

Bkgd. = MassDEP's Published background concentrations for metals in natural soil

File



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EXECUTIVE OFFICE OF ENERGY & ENVIRONMENTAL AFFAIRS  
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Lieutenant Governor

IAN A. BOWLES  
Secretary

LAURIE BURT  
Commissioner

July 29, 2010

Ms. Mary-Jo Matachun  
53 Hofmann Avenue  
Lawrence, MA 01841

Subject: Lawrence – 53 Hofmann Avenue Surficial Soil Sampling

Dear Ms. Matachun:

As you are aware, the Massachusetts Department of Environmental Protection's (MassDEP's) contractor, Shaw Environmental, Inc. (Shaw), collected surficial soil samples from the backyard of your property at 53 Hofmann Avenue in Lawrence on October 5, 2007. Shaw has prepared a "Site Evaluation Summary Report" detailing the soil sampling activities and test results. A copy of this report is enclosed for your convenience. A total of nineteen surficial soil samples were collected from your property (SB-05 thru SB-38). A map showing the location of these samples is included in the report. These soil samples were laboratory analyzed for polychlorinated biphenyls (PCBs) and metals. The analytical results of the samples collected from your property have also been tabulated and included in the report. MassDEP has developed an average concentration for each contaminant of concern and compared them to MassDEP soil cleanup standards for residential properties (S-1 standards). Please see attached table. MassDEP's review has resulted in the determination that one of the contaminants on your property, cadmium (Cd), was detected at a level (2.5 mg/kg) that slightly exceeds the MassDEP residential cleanup standard of 2.0 mg/kg that has been established for residential properties.

Mass DEP has requested the assistance of the United States Environmental Protection Agency's (U.S. EPA) Response and Removal Section to conduct a limited removal of contaminated soil from your property at no cost to you. U.S. EPA and MassDEP will be contacting you to discuss the soil sampling results in Shaw's report and the proposed cleanup of your property in more detail.

If you have any questions concerning this letter, please contact Valerie Thompson at (978) 694-3348.

Very truly yours,



Joanne Fagan  
Section Chief, Brownfields/Permits  
Bureau of Waste Site Cleanup  
Northeast Regional Office

cc:

City of Lawrence Inspectional Services Department, 200 Common Street, Lawrence, MA 01840,

Attn: Peter Blanchette- Building Commissioner, [pblanchette@cityoflawrence.com](mailto:pblanchette@cityoflawrence.com)

City of Lawrence, Office of the Mayor, 200 Common Street, Lawrence, MA 01840,

Attn: Mayor William Lantigua, [wlantigua@cityoflawrence.com](mailto:wlantigua@cityoflawrence.com)

City of Lawrence, Community Development, 147 Haverhill Street, Lawrence, MA 01840,

Attn: Arthur McCabe -Manager, [amccabe@cityoflawrence.com](mailto:amccabe@cityoflawrence.com)

U.S. Environmental Protection Agency, 5 Post Office Square, Suite 100, Boston, MA 02109,

Attn: Michael Barry, [barry.michael@epa.gov](mailto:barry.michael@epa.gov)

| #53 Hofmann Avenue Soil Sampling Data (mg/kg) 10/2/07 (0-6") |            |     |             |            |            |      |            |      |      |
|--|------------|-----|-------------|------------|------------|------|------------|------|------|
| SAMPLE   | PCB        | As  | Ba          | Cd         | Cr         | Ag   | Pb         | Se   | Hg   |
| SB-05  | 1.3        | 7.9 | 43          | 0.93       | 16         | 0.05 | 89         | 0.13 | 0.21 |
| SB-06  | 1.3        | 7.2 | 42          | 0.87       | 16         | 0.05 | 77         | 0.53 | 0.24 |
| SB-07  | 0.5        | 8.3 | 49          | 0.73       | 15         | 0.05 | 74         | 0.12 | 0.22 |
| SB-08  | 0.4        | 7.7 | 40          | 0.59       | 14         | 0.05 | 54         | 0.40 | 0.21 |
| SB-13  | 0.4        | 8.7 | 47          | 0.70       | 16         | 0.05 | 69         | 0.29 | 0.23 |
| SB-14  | 0.6        | 8.2 | 51          | 0.81       | 17         | 0.05 | 76         | 0.38 | 0.26 |
| SB-15  | 1.2        | 7.1 | 76          | 1.7        | 19         | 0.05 | 120        | 0.26 | 0.25 |
| SB-19  | 0.6        | 11  | 46          | 0.68       | 18         | 0.05 | 70         | 0.12 | 0.22 |
| SB-20  | 1.6        | 8.2 | 58          | 1.2        | 19         | 0.05 | 120        | 0.13 | 0.26 |
| SB-21  | <b>3.1</b> | 9.4 | <b>2200</b> | <b>2.4</b> | <b>130</b> | 2.0  | <b>760</b> | 0.41 | 0.34 |
| SB-21<br>(6-12")   |            | 9.7 | 340         | <b>2.3</b> | <b>100</b> | 1.3  | <b>250</b> | .52  | .27  |
| SB-25  | 0.3        | 8.0 | 37          | 0.58       | 28         | 0.14 | 52         | 0.32 | 0.22 |
| SB-26  | 0.4        | 9.8 | 50          | 0.94       | 17         | 0.12 | 75         | 0.36 | 0.25 |
| SB-27  | 1.7        | 7.7 | 50          | 1.0        | 17         | 0.05 | 110        | 0.13 | 0.27 |
| SB-32  | 2.0        | 14  | 68          | 1.6        | 21         | 0.15 | 140        | 0.40 | 0.35 |
| SB-33  | <b>3.4</b> | 11  | 56          | 1.7        | 21         | 0.05 | 130        | 0.41 | 0.36 |
| SB-34  | 1.2        | 11  | 270         | <b>15</b>  | <b>28</b>  | 0.31 | <b>340</b> | 1.6  | 0.52 |
| SB-36  | 1.6        | 12  | 54          | 0.99       | 19         | 0.05 | 110        | 0.38 | 0.36 |
| SB-38  | 1.9        | 17  | 280         | <b>13</b>  | 27         | 0.14 | 290        | 1.1  | 0.72 |
| Average  | 1.3        | 9.7 | 203         | <b>2.5</b> | 29.4       | 0.19 | 158        | 0.42 | 0.30 |
| S-1 Std.   | 2.0        | 20  | 1000        | 2.0        | 30         | 100  | 300        | 400  | 20   |
| Bkgd.  | NA         | 20  | 50          | 2          | 30         | 0.6  | 100        | 0.5  | 0.3  |

PCB = polychlorinated biphenyl, As = Arsenic, Ba = Barium, Cd = Cadmium, Cr = Chromium, Ag = Silver, Pb = Lead, Se = Selenium, Hg = Mercury

NA = Not Applicable

S-1 = MassDEP's Cleanup Standards for soil at residential properties

Bkgd. = MassDEP's Published background concentrations for metals in natural soil