



October 25, 2023

Ashley L. Blauvelt, P.E.  
Environmental Engineer IV  
Rhode Island Department of Environmental Management  
Office of Land Revitalization & Sustainable Materials Management  
Site Remediation & Brownfields  
235 Promenade Street, Providence, RI 02908  
Sent Via Hard Copy and Email: [ashley.blauvelt@dem.ri.gov](mailto:ashley.blauvelt@dem.ri.gov)

**RE: Public Involvement Plan (PIP) Meeting Summary**  
**1144 Eddy Street**  
**Assessor's Plat Map 57, Lot 291**  
**Providence, Rhode Island**  
**RIDEM Case No. SR-28-2076**  
**SAGE Project No. S3977**

Dear Ms. Blauvelt:

SAGE Environmental, Inc. (SAGE) has prepared this letter to summarize an October 4, 2023, meeting conducted to inform the public of the Public Involvement Plan (PIP) associated with the subject property. This PIP was developed to provide a public outreach program for site progress updates and as a means of sharing information *via* community meetings and information repositories. A copy of the draft PIP which was provided previously is included as **Attachment 1**. A translator and stenographer were provided at the meeting to 1) assist in the dissemination of information and 2) document the information presented at the meeting. A copy of the transcript is included as **Attachment 2**. Additionally, a copy of the presentation and sign-in sheet are also provided as **Attachments 3 and 4**, respectively.

During the meeting, the current environmental investigation data was presented along with the planned remedial action to be reviewed and approved by the Rhode Island Department of Environmental Management (RIDEM).

As discussed at the meeting, information regarding the PIP and future work to be performed at the property was available *via* the following means:

1. Publicly Accessible Site File: Files related to the Site are maintained at the Rhode Island Department of Environmental Management's (RIDEM's) Office of Waste Management filed under Former Federal Products Corp, RIDEM Site Remediation File No. SR-28-2076 (the "Site"). Appointments to view the files can be made by contacting Angela Spadoni of the RIDEM at (401) 222-4700, ext. 2777307, or *via* e-mail at [Dem.filereview@dem.ri.gov](mailto:Dem.filereview@dem.ri.gov).
2. RIDEM Document Listing Website: <https://dem.ri.gov/environmental-protection-bureau/land-revitalization-and-sustainable-materials-management/state-15>. Certain publicly available

documents already filed with RIDEM on the investigation and remediation of the Site are maintained at this website, which RIDEM maintains. As certain public documents are filed on the investigation and remediation activities, they will be posted on this RIDEM website. The website can also be accessed using the QR Code provided below.



3. Local Informational Repository: An informational repository at a Providence Community Library will be established once permission is granted. At this time, permission is being sought from the Washington Park Library located at 1316 Broad Street (telephone: 401-781-3136). The local information repository will contain copies of submittals included on the RIDEM website listed above. Electronic copies of these submittals are sent to the repository on a monthly basis. The Washington Park Library hours are Monday, Tuesday, Wednesday (9:30 a.m. to 5:30 p.m.), Thursday (1-8 p.m.), and Friday 1-5:30 p.m.). A notification will be sent to the mailing list with the location of the final repository.

It was also discussed that a public comment period, starting with the date of the meeting and extending through October 19, 2023, was being provided, during which any comments regarding the draft PIP would need to be made in writing, mailed, or emailed to you.

Instructions on how to join the mailing list established to distribute information about the property were also provided during the meeting.

Should you have any questions, please do not hesitate to contact the undersigned.

Sincerely,  
SAGE Environmental, Inc.

*Jacob H. Butterworth*  
Jacob H. Butterworth, MS, LSP  
Vice President

JHB:car

#### Attachments

- 1 – Draft PIP
- 2 – Stenographer’s Transcript
- 3 – Presentation
- 4 – Sign-In Sheet

## **ATTACHMENT 1**



**PUBLIC INVOLVEMENT PLAN (PIP)**

**1144 Eddy Street  
Assessor's Plat Map 57, Lot 291  
Providence, Rhode Island 02905  
RIDEM Case No. SR-28-2076**

*Submitted to:*

**Patricia Burke, Project Manager / Environmental Scientist  
Rhode Island Department of Environmental Management (RIDEM)  
Office of Waste Management  
235 Promenade Street  
Providence, Rhode Island 02908**

*On Behalf Of:*

**1144 Eddy Street, LLC  
100 Westminster Street  
Providence, Rhode Island 02903**

*Prepared By:*

**SAGE Environmental, Inc.  
301 Friendship Street  
Providence, Rhode Island 02909**

**SAGE Project No. S3977**

**AUGUST 2023**



August 9, 2023

Patricia Burke, Project Manager / Environmental Scientist  
Rhode Island Department of Environmental Management  
Office of Waste Management  
235 Promenade Street  
Providence, Rhode Island 02908  
Sent Via E-Mail and U.S. Mail

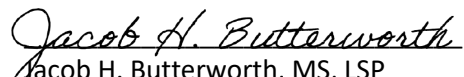
**Re: Public Involvement Plan (PIP)  
1144 Eddy Street  
Providence, Rhode Island  
RIDEM Site Remediation File No. SR-28-2076**

Dear Ms. Burke:

On behalf of 1144 Eddy Street, LLC, SAGE Environmental, Inc. (SAGE) has attached for your review and approval a Public Involvement Plan (PIP) for the 1144 Eddy Street property in response to your *Public Involvement Plan Process Initiation* letter dated June 23, 2023.

Should you have any questions or comments regarding the information presented herein, please do not hesitate to contact the undersigned.

Very truly yours,  
SAGE Environmental, Inc.

  
Jacob H. Butterworth, MS, LSP  
Vice President

JHB/car

Attachment

## TABLE OF CONTENTS

<b>KEY THINGS TO REMEMBER .....</b>	<b>i</b>
<b>1.0 INTRODUCTION.....</b>	<b>1</b>
<b>1.1 PIP Applicability.....</b>	<b>1</b>
<b>2.0 BACKGROUND.....</b>	<b>1</b>
<b>3.0 PUBLIC INVOLVEMENT HISTORY.....</b>	<b>4</b>
<b>4.0 PUBLIC INVOLVEMENT PLAN.....</b>	<b>4</b>
<b>5.0 PUBLIC NOTICE.....</b>	<b>4</b>
<b>5.1 Fact Sheets and Enhanced Communications.....</b>	<b>5</b>
<b>5.2 Community Meetings.....</b>	<b>5</b>
<b>5.3 Information Repositories.....</b>	<b>5</b>
<b>6.0 FUTURE PLAN REVIEW AND AMENDMENTS.....</b>	<b>7</b>

### FIGURES

FIGURE 1	LOCUS PLAN
FIGURE 2	OVERALL AERIAL SITE PLAN

### APPENDIXS

APPENDIX A	JUNE 23, 2023 PUBLIC INVOLVEMENT PLAN PROCESS INITIATION LETTER
APPENDIX B	LIMITATIONS
APPENDIX C	PUBLIC NOTIFICATIONS
APPENDIX D	CONTACT LIST

## KEY THINGS TO REMEMBER

### WHERE TO FIND MORE INFORMATION:

- **Publicly Accessible Site Files**

Files related to the Site are maintained at the Rhode Island Department of Environmental Management's (RIDEM's) Office of Waste Management filed under Former Federal Products Corp, RIDEM Site Remediation File No. SR-28-2076 (the "Site"). Appointments to view the files can be made by contacting Angela Spadoni of the RIDEM at (401) 222-4700, ext. 2777307, or via e-mail at [Dem.filereview@dem.ri.gov](mailto:Dem.filereview@dem.ri.gov).

- **RIDEM Document Listing Website:**

<https://dem.ri.gov/environmental-protection-bureau/land-revitalization-and-sustainable-materials-management/state-15>

Certain publicly available documents already filed with RIDEM on the investigation and remediation of the Site are maintained at this website, which RIDEM operates. As certain public documents are filed on the investigation and remediation activities, they will be posted on this RIDEM website. The website can also be accessed using the QR Code provided here.



- **Local Informational Repository:**

1144 Eddy Street, LLC will establish an informational repository at a Providence Community Library once permission from such library is granted. At this time, 1144 Eddy Street, LLC is seeking permission from the Washington Park Library located at 1316 Broad Street (telephone: 401-781-3136). The local information repository contains copies of submittals included on the RIDEM website listed above. Electronic copies of these submittals are sent to the repository on a monthly basis. The Washington Park Library hours are Monday, Tuesday, Wednesday (9:30 a.m. to 5:30 p.m.), Thursday (1-8 p.m.), and Friday 1-5:30 p.m.). A notification will be sent to the mailing list with the location of the final repository.

### HOW TO JOIN THE MAILING LIST:

1144 Eddy Street, LLC established a mailing list for the Site. The list includes abutting property owners, tenants, easement holders, and municipalities, as well as people who have previously provided their mailing address to 1144 Eddy Street, LLC. Interested persons can be added to this list *via* an email request to Cathy Racine at [cracine@sage-enviro.com](mailto:cracine@sage-enviro.com) with your name and address. 1144 Eddy Street, LLC will use the mailing list to distribute information about the Site on an as needed basis.

Public Involvement Plan (PIP)  
1144 Eddy Street, Providence, Rhode Island  
August 2023

**CONTACT INFORMATION:**

The following personnel should be contacted with questions or concerns pertaining to the Site:

1144 Eddy Street, LLC  
Mr. Al Buco  
100 Westminster Street  
Providence, Rhode Island 02903  
401-274-6611

Rhode Island Department of Environmental Management  
Patricia Burke, Project Manager  
Office of Waste Management  
235 Promenade Street  
Providence, RI 02908  
401-222-2797 ext. 7109  
[patricia.burke@DEM.RI.GOV](mailto:patricia.burke@DEM.RI.GOV)



## 1.0 INTRODUCTION

SAGE Environmental, Inc. (SAGE), on behalf of 1144 Eddy Street, LLC, has prepared this Public Involvement Plan (PIP) for 1144 Eddy Street (the Site) located in Providence, Rhode Island. The attached **Figure 1** presents the Site Locus Plan.

On June 23, 2023, RIDEM informed 1144 Eddy Street, LLC that the Department received a formal request for development of a PIP. A copy of the *Public Involvement Plan Process Initiation Letter* is included as **Appendix A**.

Consistent with RIDEM's *Rules and Regulations for the Investigation and Remediation of Hazardous Material Releases (Remediation Regulations)*, and specifically Rule 1.87, this PIP addresses the following primary elements: 1) Public Notice, 2) Fact Sheets and Enhanced Communication, 3) Community Meetings, and 4) Information Repositories.

The PIP is organized as follows:

- Section 1.00 contains this introduction;
- Section 2.00 includes a summary of relevant Site background information and current Site regulatory status;
- Section 3.00 summarizes historical public involvement;
- Section 4.00 describes the elements of the PIP; and
- Section 5.00 explains how the PIP may be revised in the future.

This PIP is subject to the Limitations included in **Appendix B**.

### 1.1 PIP Applicability

Consistent with the Department's June 23, 2023, *Public Involvement Plan Process Initiation Letter*, this PIP is designed to provide public participation in planning work under the *Remediation Regulations*.

## 2.0 BACKGROUND

The Site is located at 1144 Eddy Street in the City of Providence, Rhode Island and is identified as Assessor's Plat (A.P.) 56, Lots 5, 273, 316 and 317, and A.P. 101, Lot 1. The Site consists of one 0.39-acre parcel of land and is developed with an approximately 40,700-square foot, three-story, brick and concrete, industrial building with a partial basement, constructed in 1925. The western portion of the building is built slab-on-grade, and the eastern portion includes basement. The building was most recently utilized as office space and is currently vacant with the exception of some storage for a solar company on the first floor.

The Site is located within an industrial area of Providence, and surrounding land use includes, but is not limited to, manufacturing (i.e., jewelry, plastics, metals), a petroleum fuel distribution facility, and an electrical substation. The closest residential building is over 1,000 feet to the south of the Site. **Figure 2**, Overall Aerial Site Plan, presents the location and configuration of the Site, including neighboring properties.

According to the Providence, Rhode Island USGS Quadrangle topographic map, the general elevation of the Site is approximately 42 feet above the National Geodetic Vertical Datum (NGVD). The topography of the Site and surrounding area slopes downward to the east from Eddy Street.

According to the Bedrock Geologic Map of Rhode Island (Hermes, et al., 1994), the Site is in an area mapped as being underlain by the Pennsylvanian-aged Narragansett Bay Group of the Rhode Island Formation. The Narragansett Bay group consists of gray to black, fine-coarse-grained quartz arenite, litharenite, shale, and conglomerate, with minor beds of anthracite and meta-anthracite and in southern Rhode Island consists of meta-sandstone, meta-conglomerate, schist, carbonaceous schist, and graphite. Note subsurface exploration was extended to 40 feet BSG and bedrock was not encountered.

The water table elevation contours depicted on **Figure 2** illustrate the direction of groundwater flow at the Site as measured on May 2, 2023. Based on the elevation survey and groundwater elevation data, groundwater at the Site appears to flow in a easterly direction.

Subsurface soil conditions observed during soil boring advancement consisted predominantly of silty fine to medium-grained sand. SAGE's field descriptions of Site soil are consistent with information published in the Surficial Geology of the Providence Quadrangle (Smith, 1956), which depicts the Site in an area of glacial outwash plain deposits and describes the soil in the vicinity of the Site as primarily sorted sand and local deposits of coarse gravel. Literature values for the saturated hydraulic conductivity of glacial outwash range from  $1 \times 10^{-3}$  to  $1 \times 10^{-1}$  centimeters per second (Fetter, 1994).

The majority of the Site is occupied by the building footprint. The remaining area is developed with asphalt paved parking and driving areas. Stormwater is expected to infiltrate on-Site in the landscaped areas or flow to off-Site catch basins.

Based on information obtained from the online RIDEM Environmental Resource Map, the Site is not located within a 100-year flood zone. Additionally, based on the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) for Providence, Rhode Island (Map 44007C0317J), the Site is in an area mapped as Zone X. A Zone X area is defined as an area that has been determined to have a 0.2 percent annual chance of flooding, a 1 percent annual chance of flooding with average depths less than 1 foot or drainage areas less than 1 square mile or is protected by levees from the 1 percent annual chance flood. As such, the potential for flooding at the Site is low.

Historical resources reviewed to evaluate previous use of the Site (i.e., historical aerial photographs, Sanborn Fire Insurance Maps, the Rhode Island State Map Atlas of 1870, and historical City directories) indicate that in 1870, the Site was part of a park which extended from Eddy Street to the Providence River. According to the City of Providence Assessor's Card, the Site building was erected in 1925. In 1937, the existing Site building was referred to as the Farnham Building, presumably after the owner,

Frank Farnham who owned the Site from 1924 through 1943. By 1938, the Site was occupied by the Jewelers Supply Company, and the Federal Products Corporation. Between 1944 and 2017, Site occupants have included the Federal Products Corporation (numerous name variations), Auxitrol-USA, the Bayside Federal Credit Union, and most recently, Mahr Federal Inc and Mahr, Inc.

The Site is listed as a “State Site” under RIDEM’s *Remediation Regulations* (Site Remediation File No. SR-28-2076). As documented in the Site Investigation Report (SIR) prepared in May 2023, impacts to soil were detected at concentrations that represent RIDEM Method 1 exceedances as defined in the *Remediation Regulations*. In addition, impacts to sub-slab soil gas were detected at concentrations above the Massachusetts Department of Environmental Protection (MassDEP) Residential Sub-Slab Soil Gas Screening Values (R-SSGSVs) and/or MassDEP Commercial/Industrial Sub-Slab Soil Gas Screening Values (C/I-SSGSVs). Indoor air concentrations were detected at concentrations above MassDEP Residential Threshold Values (R-TVs). These values were used for comparison as RIDEM has not yet established soil gas or indoor air standards or guidance values, but has adopted use of MassDEP’s standards.

Specifically, the following exceedances have been identified:

#### Soil

- Arsenic and benzo(a)pyrene were detected at concentrations above the applicable RIDEM Method 1 Residential Direct Exposure Criteria (R-DEC) and RIDEM Method 1 Industrial/Commercial Direct Exposure Criteria (I/C-DEC); and
- Beryllium and select poly-cyclic aromatic hydrocarbons (PAHs) were detected at concentrations above the RIDEM Method 1 R-DEC but below the I/C-DEC.

#### Sub-slab Soil Gas

- 1,1,1-trichloroethane (1,1,1-TCA), 1,1-dichloroethane (1,1-DCA), cis-1,2-dichloroethene (cis-1,2-DCE) were detected at concentrations above the MassDEP R-SSGSVs; and
- Tetrachloroethene (PCE) and trichloroethene (TCE) were detected at concentrations exceeding both the MassDEP R-SSGSVs and C/I-SSGSVs.

#### Indoor Air

- Bromodichloromethane, cis-1,2-DCE, PCE, TCE, and Naphthalene were detected at concentrations above the corresponding MassDEP R-TVs.

No impacts to groundwater were detected during subsurface investigations at the Site.

Based upon the Remedial Alternatives Evaluation conducted in the SIR, the following remedial alternative has been proposed:

- Implementation of Engineering Controls (SSDS and Site-wide cap) and Institutional Controls (ELUR and SMP) was chosen as the preferred alternative, as it is a cost-effective remedial alternative that complies with the intent of the RIDEM *Remediation Regulations* (as well as other applicable federal, state, and local laws or public concerns), it is technically feasible, it is

consistent with current and future land use, and it manages actual and potential risks to human health and the environment. The Performing Party has the ability to implement the above-noted preferred remedial alternative.

### 3.0 PUBLIC INVOLVEMENT HISTORY

Pursuant to Rule 1.87(A)(1) of the *Remediation Regulations*, 1144 Eddy Street, LLC provided public notification prior to the completion of recent Site investigation activities at the Site. This notification included mailing public notices to all abutting property owners, tenants, easement holders, and municipalities, which detailed information regarding the nature and timing of the proposed field activities. This public notification was sent on April 27, 2023. Copies of the notices included in **Appendix C**.

### 4.0 PUBLIC INVOLVEMENT PLAN

This section describes the elements of the PIP for the Site based on the applicable and relevant requirements of Rule 1.87 of the *Remediation Regulations*. This PIP has been prepared to establish procedures for public and community communications relative to the planning of work under the *Remediation Regulations* at the Site.

A contact list for 1144 Eddy Street, LLC, SAGE and RIDEM personnel associated with the Site is presented in **Appendix D**, in the “Key Things to Remember” portion of this PIP and on the title page.

### 5.0 PUBLIC NOTICE

1144 Eddy Street, LLC has established a mailing list for the Site. The list includes, as required in Rule 1.87 of the *Remediation Regulations*, abutting property owners, tenants, easement holders, and the City of Providence. In addition, this mailing list includes the petitioners from the June 23, 2023 *Public Involvement Plan Process Initiation* Letter. 1144 Eddy Street, LLC will use the mailing list to announce any public meetings and distribute information about the Site on an as needed basis. In addition, 1144 Eddy Street, LLC may use the list to distribute information as required by the *Remediation Regulations* regarding reports and other documents added to the repository (see Section 4.4).

Rule 1.87 of the *Remediation Regulations* requires public notice at two points during the Site Investigation process:

1. Prior to conducting Site Investigation field activities at a known contaminated site; and
2. Prior to the formal RIDEM approval of the *SIR* (in the form of the *Remedial Decision Letter*).

In addition, Rule 1.87(A)(2) of the *Remediation Regulations* requires public notice upon the completion of *SIR* activities.

As described in Section 3.0, 1144 Eddy Street, LLC provided public notice in the form of letters mailed prior to performing Site investigation activities in 2023. With respect to the second notification step,

upon receipt of a *Program Letter* from the Department, 1144 Eddy Street, LLC will provide written notification to the established mailing list when this step is reached. This written notification will include a brief summary of the investigation's findings, a description of the proposed Site remedy, and information on where the public can access and review the *SIR*. As part of this post-*SIR* notification process, RIDEM will initiate a 14-day public comment period, commencing with the date of delivery of the public notice, during which the public may review RIDEM records pertaining to the Site and submit written comments to RIDEM regarding the technical feasibility of the preferred remedial alternative.

With respect to Rule 1.87(A)(2), 1144 Eddy Street, LLC will provide notice that the *SIR* activities are complete. Per request of RIDEM in the June 23, 2023 *Public Involvement Plan Comment Letter*, 1144 Eddy Street, LLC will also provide public notice to all parties on the established mailing list prior to initiating any activities associated with any newly approved *SIR*.

### **5.1 Fact Sheets and Enhanced Communications**

Rule 1.87(B) of the *Remediation Regulations* describes requirements for fact sheets and enhanced communication for sites located in Environmental Justice (EJ) Focus Areas. As the Site is located within an EJ Focus Area, the requirements of Rule 1.87(B) apply.

### **5.2 Community Meetings**

Consistent with Rule 1.87(A)(3), 1144 Eddy Street, LLC will schedule community meetings on an as-requested basis whenever requested by twenty-five (25) persons, or by a governmental subdivision or agency, or by an association having not less than twenty-five (25) members, who are either located near a Contaminated-Site or are potential users of the Contaminated-Site after redevelopment. At all public meetings, translation assistance will be provided for non-English speaking individuals, if requested at least 72 hours in advance of the meeting. A stenographer will be present at the overall presentation with general question and answer period of public meetings and the record will be included in the meeting summary.

1144 Eddy Street, LLC will submit a written summary of all public meetings to RIDEM in hard copy and electronic format within 10 business days of the meeting. In accordance with Section 7.07C, the meeting summaries will include:

- identification of the main issues of concern to the community;
- document requests by the public for a continued dialogue (including form and frequency); and
- proposed responses to the identified community issues through action items and schedules.

### **5.3 Information Repositories**

1144 Eddy Street, LLC will provide Site-specific information on work under the RIDEM regulatory process to the public by developing and maintaining a mailing list to distribute such information and providing advance notification to the Site mailing list about Site activities under the *Remediation Regulations*.

Publicly Accessible Site File: Files related to the Site are maintained at the Rhode Island Department of Environmental Management's (RIDEM's) Office of Waste Management filed under Former Federal Products Corp, RIDEM Site Remediation File No. SR-28-2076 (the "Site"). Appointments to view the files can be made by contacting Angela Spadoni of the RIDEM at (401) 222-4700, ext. 2777307, or via e-mail at [Dem.filereview@dem.ri.gov](mailto:Dem.filereview@dem.ri.gov).

Publicly Accessible Document Listing Website: In addition, certain documents related to the investigation and remediation of the Site under the *Remediation Regulations* are maintained at the website that RIDEM operates. The website is:

<https://dem.ri.gov/environmental-protection-bureau/land-revitalization-and-sustainable-materials-management/state-15>

Certain publicly available documents already filed with RIDEM on the investigation and remediation of the Site are maintained at this website, which RIDEM operates. As certain public documents are filed on the investigation and remediation activities, they will be posted on this RIDEM website. The website can also be accessed using the QR Code provided here.



Future regulatory submittals will be sent to RIDEM for subsequent posting to the website, including:

- work plans;
- sampling and field testing plans;
- technical reports and documents summarizing results and recommendations;
- relevant correspondence;
- press releases;
- public information materials;
- updates to the PIP;
- public meeting summaries;
- summaries of responses to comments received; and
- copies of public notices about the Site.

Local Information Repository: To provide the community with easy access to information relevant to the Site cleanup process, a local repository will be established at a Providence Community Library once permission from such library is granted. At this time, 1144 Eddy Street, LLC is seeking permission from the Washington Park Library located at 1316 Broad Street (telephone: 401-781-3136). The local information repository contains copies of submittals included on the RIDEM website listed above. Electronic copies of these submittals are sent to the repository on a monthly basis. The Washington Park Library hours are Monday, Tuesday, Wednesday (9:30 a.m. to 5:30 p.m.), Thursday (1-8 p.m.), and Friday 1-5:30 p.m.). A notification will be sent to the mailing list with the location of the final repository.

Due to space limitations at the libraries, all information will be provided in electronic format and will be consistent with the information available on the website maintained by RIDEM for the 1144 Eddy Street Site (<https://dem.ri.gov/environmental-protection-bureau/land-revitalization-and-sustainable->

[materials-management/state-15](#)). A notification will be sent to the mailing list with the location of the final repository.

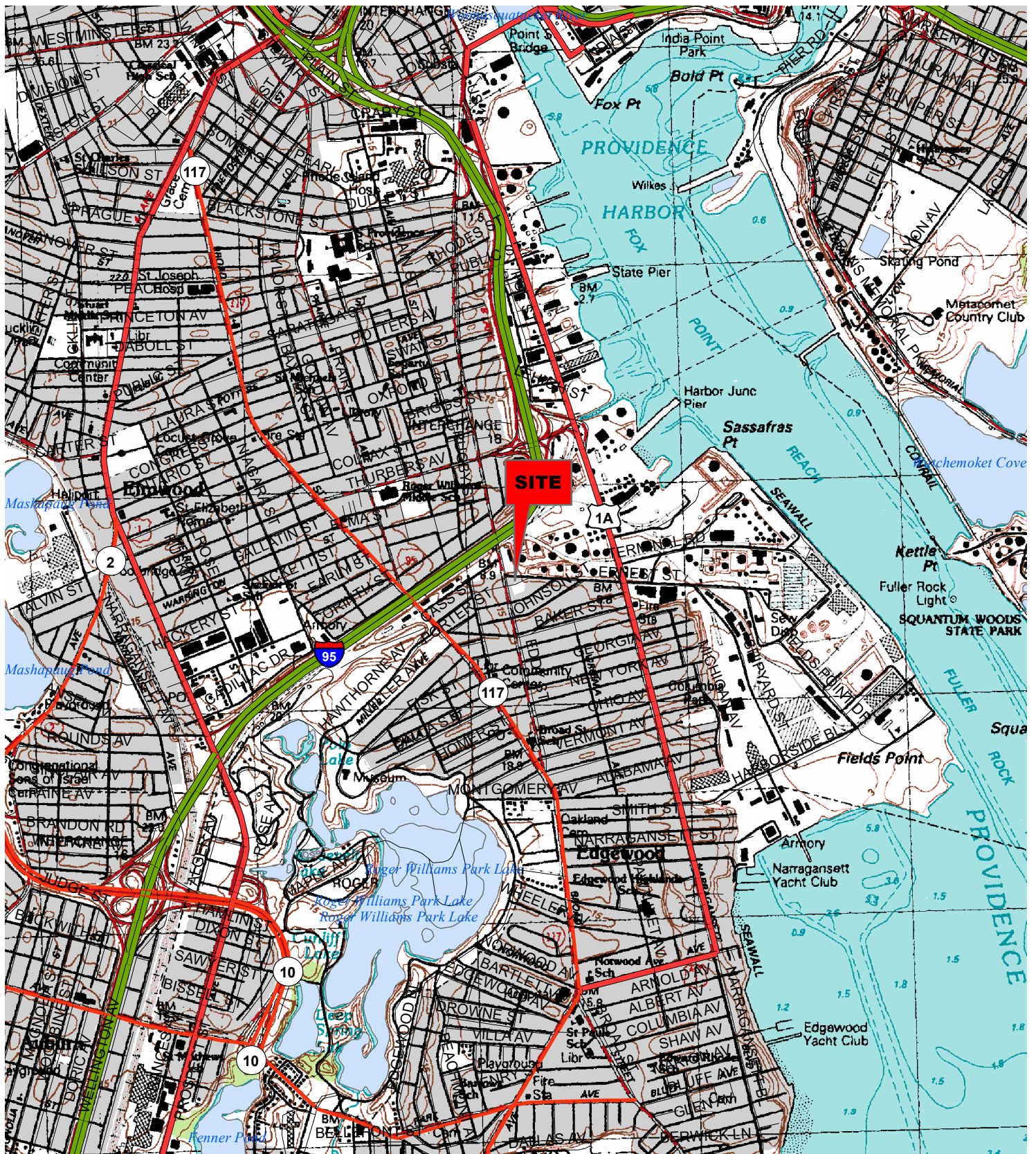
See the “Key Things to Remember” portion of this document to find out more about these communication tools.

## **6.0 FUTURE PLAN REVIEW AND AMENDMENTS**

1144 Eddy Street, LLC may revise this PIP whenever necessary for projects subject to the *Remediation Regulations*. All revisions will be subject to review and approval by the Department. If revisions are proposed, 1144 Eddy Street, LLC will prepare a revised PIP for review and approval by the Department. When the PIP is revised, the updated version of the PIP will then be placed in the information repositories and a notice of its availability will be sent to the Site’s mailing list.

# FIGURES





USGS QUADRANGLE  
PROVIDENCE, RHODE ISLAND



8

## USGS Quadrangle Site Location Map

144 Eddy Street  
Providence, Rhode Island

DATE: 04/27/2023

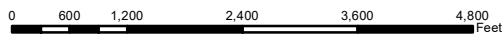
JOB #: S3977

CREATED BY: LM

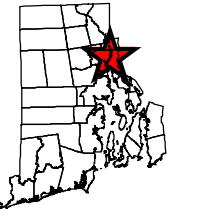
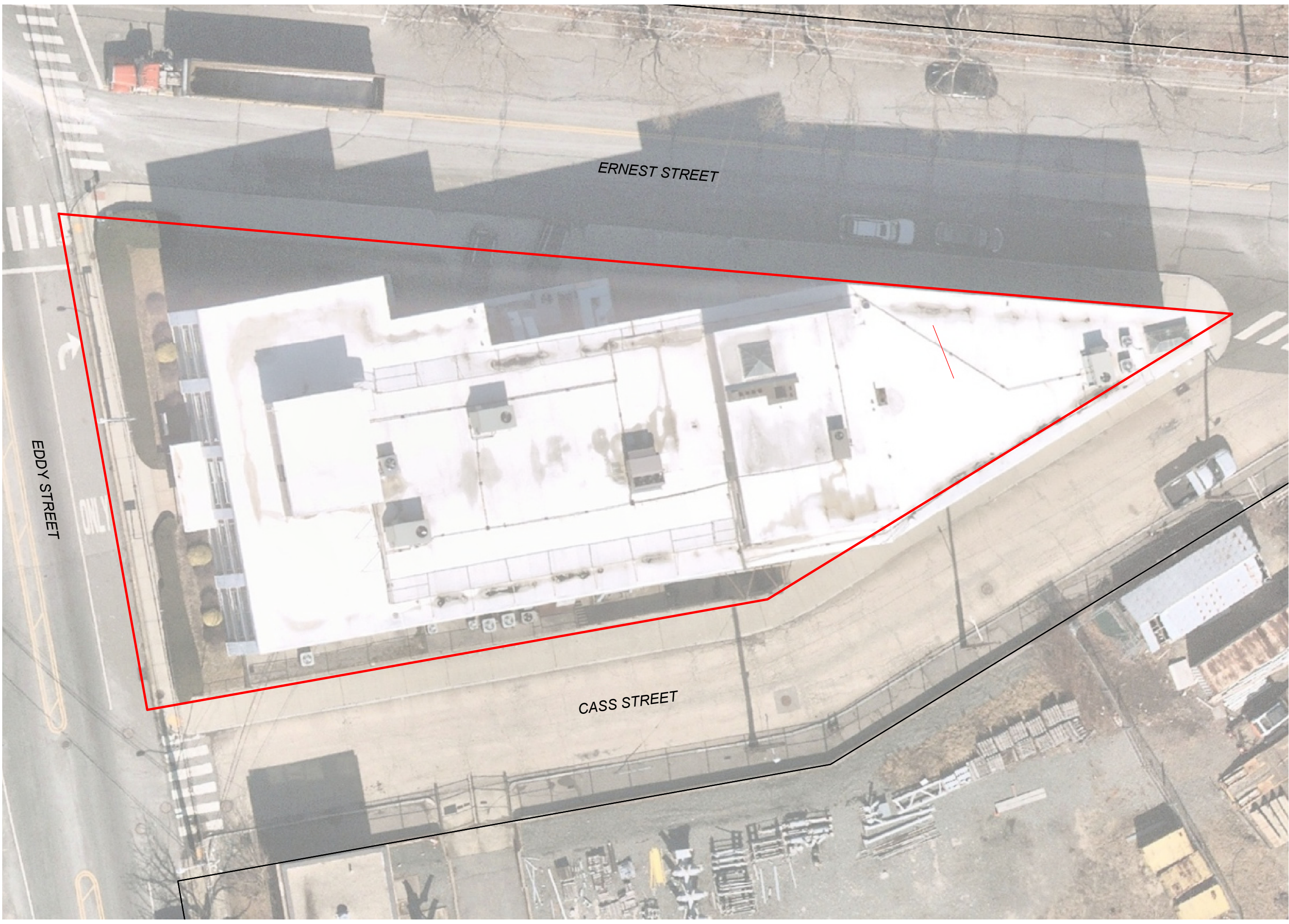
Figure 1



Data Provided by RIGIS



★ Site Location



★ Site Location

**Legend**

□ Approximate Site Boundary



0 3.75 7.5 15 22.5 30 Feet

Data Provided by RIGIS  
Orthoimagery provided by [nearmap.com](http://nearmap.com)

**Site Plan**

1144 Eddy Street  
Providence, Rhode Island

Date: 08/07/2023

Job#: S3977

Created By: ALM/jpl

**Figure 2**



# APPENDIX A



## RHODE ISLAND

### DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

OFFICE OF LAND REVITALIZATION & SUSTAINABLE MATERIALS MANAGEMENT

235 Promenade Street, Providence, Rhode Island 02908

#### **PUBLIC INVOLVEMENT PLAN PROCESS INITIATION LETTER** **File No. SR-28-2076**

June 23, 2023

Mr. Joseph Paolino, Jr.  
1144 Eddy Street, LLC  
100 Westminster Street  
Providence, RI 02903

RE: Former Federal Products Corp.  
1144 Eddy Street  
Providence, Rhode Island  
Plat Map 57 / Lot 291

Dear Mr. Paolino:

On April 22, 2020, the Rhode Island Department of Environmental Management's (the Department) Office of Land Revitalization and Sustainable Materials Management (LRSMM) enacted the codified 250-RICR-140-30-1, Rules and Regulations for the Investigation and Remediation of Hazardous Material Releases (the Remediation Regulations). The purpose of these regulations is to create an integrated program requiring reporting, investigation, and remediation of contaminated sites in order to eliminate and/or control threats to human health and the environment in a timely and cost-effective manner.

The above referenced property is located at 1144 Eddy Street, Providence, Rhode Island (the Site) and further identified as Plat Map 57 / Lot 291. The City of Providence Tax Assessor's Office identifies 1144 Eddy Street, LLC as the current owner of the Site and, as such, 1144 Eddy Street, LLC is a Responsible Party as defined by Section 1.4(A)(70) of the Remediation Regulations.

The Department's Office of LRSMM has received a written request in the form of a petition from the community, submitted in accordance with § 1.8.7(E) of the Remediation Regulations, requesting a Public Involvement Plan (PIP) be developed and approved for the Site. A copy of the petition submitted to the Department on June 7, 2023, is attached to this letter.

Prior to conducting any further Site activities, 1144 Eddy Street, LLC, as the Responsible and Performing Party, must initiate the process of developing an approvable PIP associated with the planned environmental cleanup of the Site at 1144 Eddy Street, as well as any other Site redevelopment activities requiring remedial actions that fall under the jurisdiction of the Remediation Regulations.

Please notify this office within seven (7) days of the receipt of this letter of your plans and proposed schedule for conducting the PIP development process.

If you have any questions regarding this letter or would like the opportunity to meet with Department personnel, please contact me by telephone at (401) 222-2797 ext. 2777142 or by E-mail at patricia.burke@dem.ri.gov.

Sincerely,

Authorized by,

*Kelly J. Owens* for

Patricia Burke, Project Manager  
Environmental Scientist  
Office of Land Revitalization &  
Sustainable Materials Management



Ashley L. Blauvelt, P.E.  
Environmental Engineer IV  
Office of Land Revitalization &  
Sustainable Materials Management

cc: Susan Forcier, Deputy Director, RIDEM  
Leo Hellested, Administrator, RIDEM/OLRSMM  
Matt DeStefano, Deputy Administrator, RIDEM/OLRSMM  
Kelly Owens, Assoc. Supervising Engineer, RIDEM/OLRSMM  
Chris Gaynor, Climate Justice Specialist, RIDEM  
Michael Byrns, Env. Health Risk Assessment Toxicologist, RIDOH  
Sen. Tiara T. Mack, State Senator for District 6  
Sen. Joshua Miller, State Senator for District 28  
Rep. Jose F. Batista, State Representative for District 12  
Linda Perri, Washington Park Neighborhood Association  
Monica Huertas, Washington Park Neighborhood Association  
Julian Drix, Washington Park Neighborhood Association  
Jacob Butterworth, SAGE Environmental, Inc.

Attachments: Petition Requesting Public Involvement Plan

<b>Timestamp</b>	<b>First Name</b>	<b>Last Name</b>	<b>Email address</b>	<b>Phone #</b>	<b>Homes address</b>
2023/05/21	Joshua	Miller	Joshua.miller@cox.net	REDACTED	41Talbot Manor, Cranston RI 02905
2023/05/21	Julian	Drix	JulianDrix@gmail.com	REDACTED	93 Calla St
2023/05/22	Monica	Huertas	Monicavchuertas@gmail.com	REDACTED	216 Ohio Avenue
2023/05/22	Juan	Huertas	jhuertas0903@gmail.com	REDACTED	216 Ohio Ave Providence
2023/05/22	Angel	Ramos	jramos0297@gmail.com	REDACTED	149 evergreen st
2023/05/22	linda	perri	bettylinda@aol.com	REDACTED	188 Alabama Avenue
2023/05/22	Everett	Pope	Musatrill333@gmail.com	REDACTED	173 Montgomery Avenue
2023/05/22	April	Brown	Aprilhbrown@gmail.com	REDACTED	276 Niagara Street, Providence, RI 02907
2023/05/22	Joel	Rosario	Tapiauno1@gmail.com	REDACTED	934 Narragansett Blvd
2023/05/22	Jhon	Clavijo	hotel.clavijo@gmail.com	REDACTED	12 Virginia Lane
2023/05/22	Ellen	Tuzzolo	Ellen.tuzzolo@gmail.com	REDACTED	154 Miller Ave Providence 02905
2023/05/22	Christopher	Gaynor	chrisag48@gmail.com	REDACTED	12 Eagle Street, Unit 12-212, Providence, RI 02908
2023/05/22	Jo	Ayuso	Ayusojoann@gmail.com	REDACTED	19 parade street PVD RI
2023/05/22	Jordan	Schmolka	jordanschmolka@gmail.com	REDACTED	214 Power St. #2 Providence RI
2023/05/22	Jenny	Li	jenny.lichee@gmail.com	REDACTED	
2023/05/22	Norma	Smith	Noramallie@gmail.com	REDACTED	119 Massachusetts Avenue Providence RI 02905
2023/05/22	Reina	Thomas	Reinathomas@wheelergmail.org	REDACTED	
2023/05/22	Jessie	Brooks	jbrooks0253@gmail.com	REDACTED	25 mount pleasant ave 2
2023/05/22	Lisa	Scorpio	Laascorp@gmail.com	REDACTED	9 Berkley st
2023/05/23	Tara	Boulais	Tarab0778@icloud.com	REDACTED	125oakland ave providence
2023/05/23	Larry	Miller	Vatickuumba@gmail.com	REDACTED	
2023/05/23	Yanine	Castedo	Yanine_castedo@yahoo.com	REDACTED	
2023/05/23	Jennifer	Martenson	Jennifer_Martenson@brown.edu	REDACTED	49 Ardmore Ave 02908
2023/05/23	Jeanine	Calkin	Jeanine_calkin@yahoo.com	REDACTED	
2023/05/23	Clara	Hardy	Clarapvd@gmail.com	REDACTED	1560 Douglas Avenue Unit F79 North Providence, RI 02904
2023/05/23	Yeimy	Bakemon	bakemonmorel@gmail.com	REDACTED	256 Massachusetts Avenue
2023/05/24	Doug	Victor	doug.crimewatch@gmail.com	REDACTED	
2023/05/24	Joseph	Almeida	jzalmeida@verizon.net	REDACTED	299 California Ave
2023/05/24	Zoraida	Almeida	jzalmeida@verizon.net	REDACTED	299 California Ave
2023/05/24	Len	cabral	lencabral@gmail.com	REDACTED	30 Marcy St.
2023/05/24	Joanne	Noonan	joeyjojonoonan@hotmail.com	REDACTED	1374 Eddy Street
2023/05/24	Darrell	Brown	dabrown1204@gmail.com	REDACTED	38 Marcy Street
2023/05/24	Jose	Batista	j.f.batista1@gmail.com	REDACTED	
2023/05/24	Sally	Menzela	salgalpal@hotmail.com	REDACTED	
2023/05/24	lotus	rodriguez	cro321@gmail.com	REDACTED	36 bernard st. Providence, Rhode Island 02905
2023/05/27	Linden	Jenkins	lindajenkins177@yahoo.com	REDACTED	
2023/05/31	Esther	Eloge	esthereloge@gmail.com	REDACTED	234 Indiana Avenue
2023/06/01	Everett	Pope	epopeceo@gmail.com	REDACTED	173 Montgomery Avenue
2023/06/02	Karen	Hlynsky	karen_ena@earthlink.net	REDACTED	225 Lenox Ave, Providence RI 02907
2023/06/03	Yadira	Rivera	yadira6268@gmail.com	REDACTED	
2023/06/03	Rosanna	Lenus	102 Adelaide Ave	REDACTED	

## **APPENDIX B**

## LIMITATIONS

1. This report was prepared for the exclusive use of 1144 Eddy Street, LLC. ("Client"). This report and any findings and conclusions contained therein shall not, in whole or in part, be provided to, used, or relied upon by any other person, firm, entity or governmental agency in whole or in part, without the prior written approval of SAGE. Reliance by any other person, firm, entity, or governmental agency in whole or in part, for any use, without SAGE's prior written approval, shall be at that party's sole risk and without any liability to SAGE.
2. This report, and the findings and conclusions contained therein, are based on services provided to Client under the conditions stated herein, pursuant to the agreement between SAGE and Client. Use of this report, in whole or in part, at other locations or for other purposes, without SAGE's prior written approval, will be at Client's sole risk and without any liability to SAGE.
3. This report has been prepared in accordance with generally accepted practices. SAGE's services were performed using the degree of skill and care ordinarily exercised by qualified professionals performing the same type of services, at the same time, under similar conditions, at the same or a similar property.
4. In preparing this report, SAGE may have relied upon certain information made available by governmental agencies, Client, and/or other persons, firms, or entities. SAGE cannot verify the accuracy or completeness of that information and cannot guarantee or warrant the information provided by non-SAGE sources.
5. SAGE does not and cannot represent that a site contains no hazardous material, oil, or other condition beyond that observed by SAGE during its study. Additionally, SAGE does not assume responsibility for limited sampling and explorations, fluctuations in water levels, or the presence of chemical constituents that are not the subject of this investigation and which are not included in the of analyzed parameters for a study.
6. The findings and conclusions presented in this report are based solely on the information contained or referenced in this report. If additional environmental or other relevant information that was not made available to SAGE at the time of this report is developed at a later date, Client agrees to promptly bring such information to the attention of SAGE. Upon evaluation of such information, SAGE reserves the right to recommend modification of this report and its findings and conclusions.
7. No warranty, express or implied, is made by way of SAGE's performance of services or providing a work product, including but not limited to any warranty with the contents of a report or with any and all work product.



# APPENDIX C



April 27, 2023

Patricia Burke, Environmental Scientist  
Rhode Island Department of Environmental Management  
Office of Land Revitalization & Sustainable Material Management  
235 Promenade Street  
Providence, RI 02908

**RE: 1144 Eddy Street  
Plat Map 57 / Lot 291  
Providence, Rhode Island**

Dear Ms. Burke:

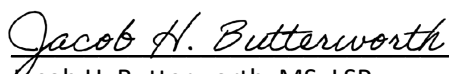
Attached is the Public Notice document notifying abutters of the Site Investigation activities at the above-referenced property. A list of recipients notified via certified mail is provided in the following table.

**Abutting Properties to  
1144 Eddy Street  
Providence, Rhode Island**

Plat/lot	Address	Owner
57/285	1150 Eddy Street	Narragansett Electric Company
57/294	1116 Eddy Street	Triton Terminaling LLC
57/326	1139 Eddy Street	Federal Products Corp
57/325	1147 Eddy Street	Federal Products Corp

In addition, this notice was also shared with State Representative Batista of District 12, State Senator Mack of District 6, and City Councilman Espinal of Ward 10. Should you have any questions, comments or require further information, please contact this office.

Sincerely,  
SAGE Environmental, Inc.

  
Jacob H. Butterworth, MS, LSP  
Vice President

JHB/alm

<b>Plat/lot</b>	<b>Address</b>	<b>Owner</b>	<b>Owner Address</b>
57/285	1150 Eddy Street	Narragansett Electric Company	40 Sylvan Rd, Waltham MA 02451-2286
57/294	1116 Eddy Street	Triton Terminaling LLC	PO Box 4369, Houston TX 77210-4369
57/326	1139 Eddy Street	Federal Products Corp	1144 Eddy Street, Providence, RI 02905
57/325	1147 Eddy Street	Federal Products Corp	1144 Eddy Street, Providence, RI 02905

Notification to Abutters  
Former Federal Products Corp  
1144 Eddy Street  
Plat Map 57, Lot 291  
Providence, Rhode Island

**April 27, 2023**

In accordance with the Rhode Island Department of Environmental Management's (RIDEM's) Rules and Regulations for the Investigation and Remediation of Hazardous Material Releases (the Remediation Regulations), **1144 Eddy Street LLC** is providing notice to abutters of their intent to conduct a **Site Investigation** at the property addressed as **1144 Eddy Street in Providence, Rhode Island**. The goal of this investigation is to determine if a release of hazardous materials has occurred on the property. The investigation will involve the sampling of environmental media (specifically soil, soil gas, indoor air, and groundwater) by **SAGE Environmental, Inc.** personnel. The property is further designated as Plat Map **57**, Lot **291** of the City of **Providence** Tax Assessor's plat maps. RIDEM has determined that conducting this investigation is in the public interest.

The investigation is scheduled to be conducted in **May 2023** and is expected to take approximately **three to four weeks**. The results of the investigation should be available by **July 2023**.

For more information regarding this notice or this investigation, contact **Patricia Burke** at (401) 222-2797, extension **277-7142** or via email at [Patricia.Burke@dem.ri.gov](mailto:Patricia.Burke@dem.ri.gov). To make arrangements to review Department records pertaining to this property location, contact **Angela Spadoni** at (401) 222-2797, extension **277-7307** or via email at [Angela.Spadoni@dem.ri.gov](mailto:Angela.Spadoni@dem.ri.gov).

Notificación to Abutters  
**Antigua Federal Products Corp**  
**1144 Eddy Street**  
**Mapa de Plat 57, Lote 291**  
**Providence, Rhode Island**

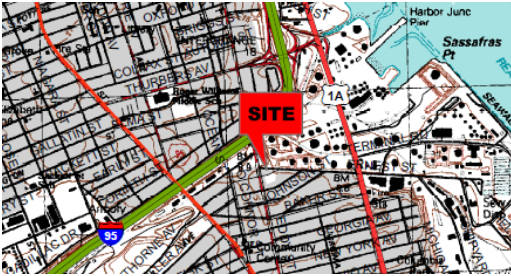
**abril 27, 2023**

De acuerdo con las Reglas y Regulaciones para la Investigación y Remediación de Emisiones de Materiales Peligrosos (las Regulaciones de Remediación) del Departamento de Gestión Ambiental de Rhode Island (RIDEM), 1144 Eddy Street LLC está notificando a los abutters de su intención de realizar una **Investigación del Sitio** en la propiedad dirigida como **1144 Eddy Street en Providence, Rhode Island**. El objetivo de esta investigación es determinar si se ha producido una liberación de materiales peligrosos en la propiedad. La investigación implicará el muestreo de medios ambientales (específicamente suelo, gas del suelo, aire interior y agua subterránea) por **parte de SAGE Environmental, Inc.** personal. La propiedad se designa además como Plat Map **57**, Lot **291** de los mapas de la plataforma del Asesor de Impuestos de la Ciudad de **Providence**. RIDEM ha determinado que llevar a cabo esta investigación es de interés público.

La investigación está programada para mayo de **2023** y se espera que dure aproximadamente **de tres a cuatro semanas**. Los resultados de la investigación deberían estar disponibles para **julio de 2023**.

Para obtener más información sobre este aviso o esta investigación, comuníquese con **Patricia Burke** al (401) 222-2797, extensión 277-7 **142** o por correo electrónico a [Patricia.Burke@dem.ri.gov](mailto:Patricia.Burke@dem.ri.gov). Para hacer arreglos para revisar los registros del Departamento relacionados con la ubicación de esta propiedad, comuníquese con **Angela Spadoni** al (401) 222-2797, extensión 277-7307 o por correo electrónico a [Angela.Spadoni@dem.ri.gov](mailto:Angela.Spadoni@dem.ri.gov).

**Site-Specific Fact Sheet**  
**Former Federal Products Corp**  
**1144 Eddy Street**  
**Plat Map 57, Lot 291**  
**Providence, Rhode Island**



SAGE Environmental, Inc. (SAGE) has prepared the Site-Specific Fact Sheet in accordance with Rule 1.8.7(B)(i) of the Rhode Island Department of Environmental Management (RIDEM) Remediation Regulations.

As part of environmental due diligence, SAGE conducted a LSI to evaluate whether a release to Site soils and/or groundwater had occurred. Additionally, as part of the LSI, vapor intrusion was also evaluated.

Select soil samples were collected from five (5) soil borings and transported under chain-of-custody protocol to a State-certified laboratory for select analysis total petroleum hydrocarbon (TPH) via Environmental Protection Agency (EPA) Method 8015D, volatile organic compounds (VOCs) via EPA Method 8260C, priority pollutant 13 metals via EPA Methods 6010D and 7471B, polycyclic aromatic hydrocarbons (PAHs) via EPA Method 8270D and polychlorinated biphenyls (PCBs) via EPA Method 8082A. Samples were collected from varying depths throughout the Site.

On November 22, 2021, SAGE advanced five (5) soil borings. Soil results are as follows:

- Arsenic and benzo(a)pyrene were detected at concentrations above the applicable RIDEM Method 1 Residential Direct Exposure Criteria (R-DEC) and Industrial/Commercial Direct Exposure Criteria (I/C-DEC) in shallow soil samples SE-103 (0' – 2') and SE-104 (0' – 2');
- Beryllium and select PAHs were detected at concentrations above the RIDEM Method 1 R-DEC but below the I/C-DEC in soil samples SE-103 (0' – 2') and SE-104 (0' – 2'); and
- Beryllium was detected at a concentration above the RIDEM Method 1 R-DEC but below the I/C-DEC in soil sample SE-105 (0' – 2').

Three (3) soil borings were completed as groundwater monitoring wells. Impacts to groundwater were not identified.

In November 2021, four (4) soil gas sampling points were installed through the concrete slab of the Site building using a hammer drill. Laboratory analytical results were compared to the Massachusetts Department of Environmental Protection (MassDEP) Vapor Intrusion (VI) Guidance Sub-Slab Soil Gas Screening Values (SSGS) for Residential (R-SSGS) and Commercial/Industrial (C/I-SSGS) settings. The following provides a summary of the analytical detections from the November 22, 2021, sampling event:

- SE-SG-101: 1,1,1-trichloroethane and cis-1,2-dichloroethene (cis-1,2-DCE) were detected at concentrations above the MassDEP R-SSGS. PCE and TCE were detected at concentrations exceeding both the MassDEP R-SSGS and C/I-SSGS. All other analytes, where detected, were below the applicable standards;
- SE-SG-102: PCE was detected at a concentration above the MassDEP R-SSGS. TCE was detected at a concentration exceeding both the MassDEP VI R-SSGS and C/I-SSGS. All other analytes, where detected, were below the applicable standards;
- SE-SG-103: 1,1,1-trichloroethane, 1,1-dichloroethane and cis-1,2-DCE were detected at concentrations above the MassDEP VI R-SSGS. PCE was detected at a concentration exceeding both the MassDEP VI Guidance for R-SSGS and C/I-SSGS. All other analytes, where detected, were below the applicable standards;
- SE-SG-105: All analytes, where detected, were compliant with MassDEP VI Guidance for residential values for sub-slab soil gas.

SAGE returned to the Site on December 21, 2021, and January 4, 2022, to install seven additional soil borings. Detected analytes were not above applicable RIDEM Method 1 standards. Two (2) of the seven (7) borings were completed as groundwater monitoring wells. Results of sampling of the monitoring wells did not identify analytes above applicable standards.

On December 20, 2021, SAGE deployed three (3) summa canisters within the Site building and one (1) outdoor ambient air summa canister. Indoor air sample SE-IA-101 was collected from the basement located towards the eastern portion of the Site

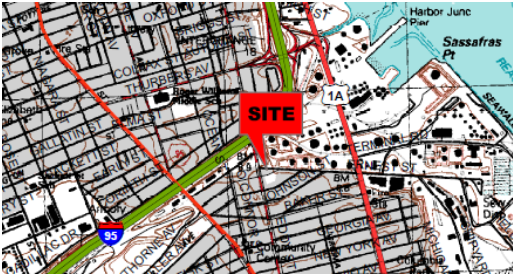
building and indoor air sample SE-IA-102 was collected from the ground floor located towards the western portion of the Site building. Ambient air sample SE-IA-103 was placed along the western exterior of the Site building. Laboratory analytical results were compared to the MassDEP VI Guidance Threshold Values (TVs) for Residential (R-TVs) and Commercial/Industrial (C/I-TVs) settings. The following provides a summary of the analytical detections from the December 20, 2021, sampling event:

- SE-IA-101: Bromodichloromethane, cis-1,2-DCE, PCE and TCE were detected at concentrations above the MassDEP VI Guidance for R-TVs for indoor air;
- SE-IA-102: Bromodichloromethane, cis-1,2-DCE, PCE and TCE were detected at concentrations above the MassDEP VI Guidance for R-TVs for indoor air; and
- SE-IA-103: TCE was detected in the ambient air sample at a concentration above the MassDEP VI Guidance for R-TVs for indoor air.

SAGE evaluated soil, groundwater, sub-slab soil gas and indoor air for potential contaminants of concern. The results of this investigation identified select PAHs within soil in excess of RIDEM Method 1 R-DEC and/or I/C-DEC. Additionally, within soil, arsenic and beryllium were detected above RIDEM Method 1 R-DEC and/or I/C-DEC. Groundwater was evaluated for VOCs, and although detections were found, they are not in excess of applicable GB-GWOs. During the assessment of sub-slab soil gas, detections of select chlorinated VOCs were found toward the easterly end of the Site structure exceeding MassDEP R-SSGS and/or C/I-SSGS. The levels within the soil gas suggested the possibility of elevated VOCs within soil as well as the possibility of vapor intrusion. As such, additional testing of soil beneath the Site structure toward the soil gas detection was performed, and results of the testing did identify various chlorinated VOCs, however, not at levels exceeding RIDEM Method 1 R-DEC or applicable GB-LC. Indoor air testing did detect chlorinated VOCs, namely PCE, TCE, and cis-1,2-DCE exceeding MassDEP R-TVs and/or C/I-TVs.

Should you have any questions, please feel free to contact SAGE Environmental, Inc. at (401) 723-9900 or RIDEM Office of Land Revitalization and Sustainable Materials Management Project Manager Patricia Burke at (401) 222-2797 x 277-7142 or via email at [Patricia.Burke@dem.ri.gov](mailto:Patricia.Burke@dem.ri.gov).

**Hoja informativa específica del sitio**  
**Antigua Federal Products Corp**  
**1144 Eddy Street**  
**Mapa de Plat 57, Lote 291**  
**Providence, Rhode Island**



SAGE Environmental, Inc. (SAGE) ha preparado la Hoja de Datos Específicos del Sitio de acuerdo con la Regla 1.8.7(B)(i) de las Regulaciones de Remediación del Departamento de Gestión Ambiental de Rhode Island (RIDEM).

Como parte de la debida diligencia ambiental, SAGE realizó un LSI para evaluar si se había producido una liberación a los suelos del sitio y / o aguas subterráneas. Además, como parte del LSI, también se evaluó la intrusión de vapor. .

Se recolectaron muestras de suelo seleccionadas de cinco (5) perforaciones del suelo y se transportaron bajo el protocolo de cadena de custodia a un laboratorio certificado por el Estado para el análisis selecto de hidrocarburos totales de petróleo (TPH) a través del Método 8015D de la Agencia de Protección Ambiental (EPA), compuestos orgánicos volátiles (COV) a través del Método 8260C de la EPA, contaminantes prioritarios 13 metales a través de los Métodos 6010D y 7471B de la EPA, hidrocarburos aromáticos policíclicos (HAP) a través del Método 8270D de la EPA y bifenilos policlorados (PCB) a través del Método 8082A de la EPA. Se recogieron muestras de diferentes profundidades en todo el sitio.

El 22 de noviembre de 2021, SAGE avanzó cinco (5) perforaciones del suelo. Los resultados del suelo son los siguientes:

- Se detectaron arsénico y benzo(a)pireno en concentraciones superiores a los criterios de exposición directa residencial (R-DEC) y los criterios de exposición directa industrial/comercial (I/C-DEC) del método 1 aplicables de RIDEM en muestras de suelo poco profundo SE-103 (0' – 2') y SE-104 (0' – 2');
- El berilio y determinados HAP se detectaron en concentraciones superiores al método RIDEM 1 R-DEC, pero por debajo del I/C-DEC en muestras de suelo SE-103 (0' – 2') y SE-104 (0' – 2'); y
- El berilio se detectó a una concentración por encima del Método RIDEM 1 R-DEC pero por debajo del I/C-DEC en la muestra de suelo SE-105 (0' – 2').

Se completaron tres (3) perforaciones del suelo como pozos de monitoreo de aguas subterráneas. No se identificaron impactos en las aguas subterráneas.

En noviembre de 2021, se instalaron cuatro (4) puntos de muestreo de gas del suelo a través de la losa de concreto del edificio del sitio utilizando un taladro de martillo. Los resultados analíticos de laboratorio se compararon con los valores de detección de gases del suelo (SSGS) de la Guía de Intrusión de Vapor (VI) del Departamento de Protección Ambiental de Massachusetts (MassDEP) para entornos residenciales (R-SSGS) y comerciales / industriales (C/I-SSGS). A continuación se proporciona un resumen de las detecciones analíticas del evento de muestreo del 22 de noviembre de 2021:

- SE-SG-101: 1,1,1-tricloroetano y cis-1,2-dicloroetano (cis-1,2-DCE) se detectaron en concentraciones superiores a MassDEP R-SSGS. El PCE y el TCE se detectaron en concentraciones superiores tanto al MassDEP R-SSGS como al C/I-SSGS. Todos los demás analitos, cuando se detectaron, estaban por debajo de las normas aplicables;
- SE-SG-102: Se detectó PCE a una concentración superior al MassDEP R-SSGS. El TCE se detectó a una concentración superior tanto al MassDEP VI R-SSGS como al C/I-SSGS. Todos los demás analitos, cuando se detectaron, estaban por debajo de las normas aplicables;
- SE-SG-103: 1,1,1-tricloroetano, 1,1-dicloroetano y cis-1,2-DCE se detectaron a concentraciones superiores a MassDEP VI R-SSGS. El PCE se detectó a una concentración superior tanto a la guía MassDEP VI para R-SSGS como a C/I-SSGS. Todos los demás analitos, cuando se detectaron, estaban por debajo de las normas aplicables;
- SE-SG-105: Todos los analitos, donde se detectaron, se quejaron con MassDEP VI Guidance for residential values for sub-slab soil gas.

SAGE regresó al sitio el 21 de diciembre de 2021 y el 4 de enero de 2022 para instalar siete perforaciones de suelo adicionales. Los analitos detectados no estaban por encima de los estándares aplicables del Método RIDEM 1. Dos (2) de las siete (7)



perforaciones se completaron como pozos de monitoreo de aguas subterráneas. Los resultados del muestreo de los pozos de monitoreo no identificaron analitos por encima de los estándares aplicables.

El 20 de diciembre de 2021, SAGE desplegó tres (3) recipientes de suma dentro del edificio del sitio y un (1) recipiente de suma de aire ambiente al aire libre. La muestra de aire interior SE-IA-101 se recogió del sótano ubicado hacia la parte oriental del edificio del sitio y la muestra de aire interior SE-IA-102 se recogió de la planta baja ubicada hacia la parte occidental del edificio del sitio. La muestra de aire ambiente SE-IA-103 se colocó a lo largo del exterior occidental del edificio del sitio. Los resultados analíticos de laboratorio se compararon con los valores umbral de orientación (TV) de MassDEP VI para entornos residenciales (R-TV) y comerciales/industriales (C/I-TV). A continuación se proporciona un resumen de las detecciones analíticas del evento de muestreo del 20 de diciembre de 2021:

- SE-IA-101: Se detectaron bromodiclorometano, cis-1,2-DCE, PCE y TCE en concentraciones superiores a la guía MassDEP VI para R-TV para aire interior;
- SE-IA-102: Se detectaron bromodiclorometano, cis-1,2-DCE, PCE y TCE en concentraciones superiores a la Guía MassDEP VI para R-TV para aire interior; y
- SE-IA-103: TCE se detectó en la muestra de aire ambiente a una concentración superior a la guía MassDEP VI para R-TV para aire interior.

SAGE evaluó el suelo, las aguas subterráneas, el gas del suelo sublosa y el aire interior en busca de posibles contaminantes preocupantes. Los resultados de esta investigación identificaron HAP seleccionados dentro del suelo que exceden el Método RIDEM 1 R-DEC y/o I/C-DEC. Además, dentro del suelo, se detectaron arsénico y berilio por encima del Método RIDEM 1 R-DEC y/o I/C-DEC. Se evaluó el agua subterránea para detectar COV y, aunque se encontraron detecciones, no exceden los GB-GWO aplicables. Durante la evaluación del gas del suelo sub-losa, se encontraron detecciones de COV clorados seleccionados hacia el extremo oriental de la estructura del sitio que excedían MassDEP R-SSGS y / o C / I-SSGS. Los niveles dentro del gas del suelo sugirieron la posibilidad de COV elevados dentro del suelo, así como la posibilidad de intrusión de vapor. Como tal, se realizaron pruebas adicionales del suelo debajo de la estructura del sitio para la detección de gases del suelo, y los resultados de las pruebas identificaron varios COV clorados, sin embargo, no a niveles superiores al Método RIDEM 1 R-DEC o GB-LC aplicable. Las pruebas de aire interior detectaron COV clorados, a saber, PCE, TCE y cis-1,2-DCE que exceden los televisores R-TV MassDEP y / o C / I-TV.

Si tiene alguna pregunta, no dude en ponerse en contacto con SAGE Environmental, Inc. al (401) 723-9900 o con la Gerente de Proyectos de la Oficina de Revitalización de Tierras y Gestión de Materiales Sostenibles de RIDEM, Patricia Burke, al (401) 222-2797 x 277-7142 o por correo electrónico a [Patricia.Burke@dem.ri.gov](mailto:Patricia.Burke@dem.ri.gov).

**ENVIRONMENTAL INVESTIGATION – REMEDIATION PROJECT**  
**INVESTIGACIÓN AMBIENTAL – PROYECTO DE REMEDIACIÓN**

**1144 Eddy Street**  
**Providence, Rhode Island**  
**Plat Map 57 / Lot 291**

**FOR MORE INFORMATION, CONTACT:**  
**PARA OBTENER MÁS INFORMACIÓN, CONTACTO:**

Patricia Burke, Environmental Scientist  
RI Department of Environmental Management  
Office of Land Revitalization and Sustainable Materials  
Management  
Site Remediation & Brownfields  
235 Promenade Street  
Providence, RI 02908  
Phone: (401) 222-2797 x 2777142  
Email: Patricia.Burke@dem.ri.gov

Patricia Burke, Científica Ambiental  
Departamento de Gestión Ambiental de RI  
Oficina de Revitalización de Tierras y Gestión Sostenible de  
Materiales  
Remediación del sitio y terrenos industriales abandonados  
235 Promenade Street  
Providence, RI 02908  
Teléfono: (401) 222-2797 x 2777142  
Correo electrónico: Patricia.Burke@dem.ri.gov

**OR**



**SAGE Environmental, Inc.**  
**301 Friendship Street**  
**Providence, RI 02903**  
**401-723-9900**  
**www.SAGE-Enviro.com**

## DEM's SITE REMEDIATION PROGRAM

### WHO WE ARE

The Rhode Island Department of Environmental Management (DEM) is the state agency responsible for preserving the quality of Rhode Island's environment. In 1995, Rhode Island passed the Industrial Property Remediation and Reuse Act (amended in 1997) and established a voluntary program for brownfields cleanup through DEM. This Act created the Office of Land Revitalization & Sustainable Material Management's (LRSMM) Site Remediation Program. The Program encourages and supports the redevelopment and reuse of contaminated properties throughout RI. The Program was established to provide fair, comprehensive, and consistent regulation of the investigation and remediation of hazardous waste, hazardous material, and petroleum releases. The State program is designed to determine if a site poses a threat to human health and the environment and efficiently determine a remedy that is effective but not overly burdensome to the parties involved.

### PROGRAM PURPOSE

The purpose of the Site Remediation Program is to regulate and provide technical oversight for the investigation and remediation of releases of hazardous waste or hazardous material to the environment; to ensure that those investigations and remedial activities are conducted in a consistent manner that adequately protects human health and the environment; and to enforce regulations regarding the proper disposal of abandoned hazardous waste.

### THE PROCESS

Cleaning a contaminated site requires investigation, planning, and action. The Rules and Regulations for the Investigation and Remediation of Hazardous Material Releases (<https://rules.sos.ri.gov/regulations/part/250-140-30-1>) define the specific documents that are needed, or may be needed as part of that process:

- Notification of Release
- Site Investigation Work Plan (SIWP)
- Public Notice of Investigation
- Site Investigation Report (SIR)
- Public Notice of Completed Site Investigation & Public Comment Period on Technical Feasibility of Proposed Remedy
- Remedial Action Work Plan (RAWP)
- Remedial Action
- Closure Report
- Environmental Land Usage Restriction (ELUR), if applicable

### FOR MORE INFORMATION, PLEASE CONTACT:

**DEM Contact in Attached Letter**  
RIDEM/OLRSMM – Site Remediation  
235 Promenade Street, Suite 380  
Providence, RI 02908  
Phone: 401-222-2797  
Email: Provided in Letter

OR

Ashley L. Blauvelt, P.E.,  
Environmental Engineer IV  
RIDEM/OLRSMM – Site Remediation  
235 Promenade Street, Suite 380  
Providence, RI 02908  
Phone: 401-222-2797 x 2777126  
Email: [Ashley.blauvelt@dem.ri.gov](mailto:Ashley.blauvelt@dem.ri.gov)

## BROWNFIELDS

### WHAT IS A BROWNFIELD

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant.

### DETERMING IF A SITE IS A BROWNFIELD OR IS CONTAMINATED

To determine if a site is a brownfield, a Phase I Environmental Site Assessment (ESA) should be conducted. This will determine the history of the property in which one is interested. The Phase I ESA will also determine any Recognized Environmental Concerns (RECs). If RECs are determined, a Phase II ESA, otherwise referred to as a site investigation, will be conducted. The Phase II ESA will determine whether contamination exists at a site.

### TYPES OF CONTAMINANTS

- Metals
- Volatile Organic Compounds (VOCs)
- Semi-VOCs
  - Polycyclic Aromatic Hydrocarbons (PAHs)
- Polychlorinated Biphenyls (PCBs)
- Petroleum Hydrocarbons

### EXAMPLES OF BROWNFIELDS

- Abandoned Mills
- Gasoline & Service Stations
- Manufacturing Companies
- Dry Cleaners
- Print Shops
- Commercial / Strip Malls
  - Hair & Nail Salons
  - Home Improvement / Paint Stores
- Doctor, Dentist, Veterinary Clinic
- Farms & Orchards

### ADVANTAGES TO REDEVELOPING A BROWNFIELD

- Existing infrastructure
- Tax incentives
- Labor concentration
- Improve public health and safety
- Improve air and water quality
- Preserve historical landmarks and heritage architecture
- Beautify urban landscapes
- Reduce neighborhood blight
- Facilitate job growth

### REDEVELOPMENT POSSIBILITIES

- Open Space / Green Space / Athletic Fields
- Affordable Housing
- Industrial/Commercial Space
- Mixed-Use Space
- So much more!

## ENVIRONMENTAL JUSTICE

### HOW IT STARTED

As a result of Rhode Island's industrial history and heritage, many properties in the State have been impacted by past activities. Impacts include environmental contamination by oil and hazardous chemicals that were used in these operations. Many of the impacted sites are in the urban centers of the State. In many cases, low income and minority populations live in the communities around the sites. These populations have been subject to many historical inequities. Addressing these inequities and providing a fair, effective process for future involvement in site remediation projects is a main premise of environmental justice.

### WHAT IS ENVIRONMENTAL JUSTICE (EJ)

EJ is the fair treatment and meaningful involvement of all people regardless of race, color, national origin, or income, with respect to the development, implementation, and enforcement of environmental laws, regulations, and policies.

### WHAT IS AN EJ AREA

EJ focus areas are defined as United States Census block groups that are in the highest fifteen percent (15%) of all Census block groups in RI with respect to the percent population identified as racial minorities or the highest fifteen percent (15%) of RI census block groups with respect to percent population with income identified as being twice the federal poverty level or below (utilizing the most recent and readily available data from the United States Census).

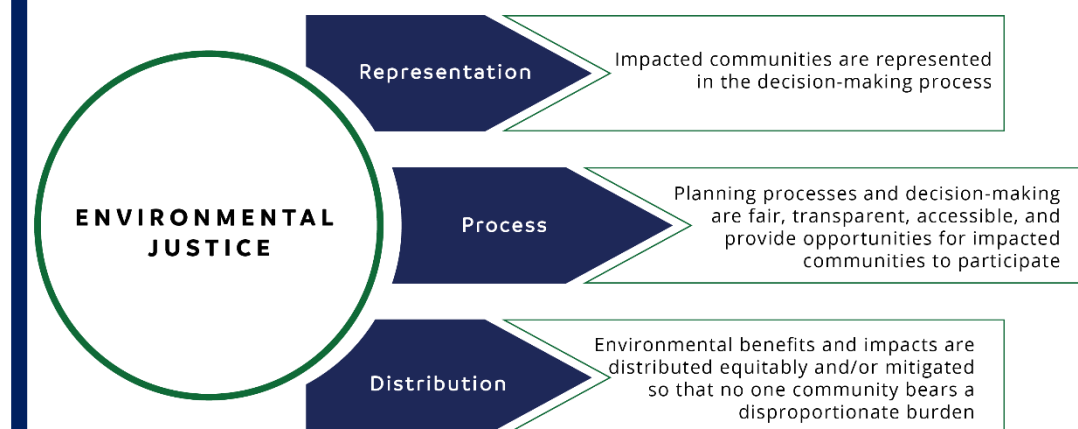
### IS MY PROPERTY IN AN EJ AREA

Check out DEM's ArcGIS map:

<https://ridemgis.maps.arcgis.com/apps/webappviewer/index.html?id=87e104c8adb449eb9f905e5f18020de5>

### HOW DEM ADDRESSES EJ

Reference RIGL §23-19.14-5 to learn more about environmental equity and public participation.



# El Programa de Rehabilitación de Terrenos y Justicia Ambiental del Departamento de Gestión Ambiental de Rhode Island

## PROGRAMA DE REHABILITACIÓN DE TERRENOS DEL DEM

### QUIÉNES SOMOS

El Departamento de Gestión Ambiental de Rhode Island (DEM) es la agencia estatal responsable de preservar la calidad del medio ambiente de Rhode Island. En 1995, Rhode Island aprobó la Ley de Rehabilitación y Reutilización de la Propiedad Industrial (modificada en 1997) y estableció un programa voluntario de limpieza de terrenos edificadas abandonados a través del DEM. Esta ley creó el Programa de Rehabilitación de Terrenos de la Oficina de Revitalización del Suelo y Gestión de Materiales Sostenibles (LRSMM). El programa fomenta y apoya la reutilización de propiedades contaminadas en todo RI. El Programa se estableció para proporcionar una regulación justa, exhaustiva y coherente de la investigación y rehabilitación de residuos peligrosos, materiales peligrosos y emisiones de petróleo. El programa estatal está diseñado para determinar si un sitio representa una amenaza para la salud humana y el medio ambiente, y para identificar una solución que sea eficaz pero que no sea excesivamente costosa para las partes involucradas.

### OBJETIVO DEL PROGRAMA

El objetivo del Programa de Rehabilitación de Terrenos es regular y proporcionar supervisión técnica para la investigación y la rehabilitación de las liberaciones de residuos peligrosos o materiales peligrosos en el medio ambiente; asegurar que esas investigaciones y actividades de rehabilitación se lleven a cabo de una manera uniforme que proteja adecuadamente la salud humana y el medio ambiente; y hacer cumplir los reglamentos relativos a la eliminación adecuada de los residuos peligrosos abandonados.

### EL PROCESO

La limpieza de un terreno contaminado requiere investigación, planificación y acción. Las normas y reglamentos para la investigación y rehabilitación de vertidos de materiales peligrosos (<https://rules.sos.ri.gov/regulations/part/250-140-30-1>) definen los documentos específicos que se necesitan o pueden necesitarse como parte de ese proceso:

- Notificación de divulgación
- Plan de trabajo de investigación del sitio (SIWP)
- Aviso público de la investigación
- Informe de investigación del sitio (SIR)
- Aviso público sobre la finalización de la investigación del terreno y período de comentarios públicos sobre la viabilidad técnica de la solución propuesta
- Plan de trabajo de la acción de rehabilitación (RAWP)
- Acción de rehabilitación
- Informe de finalización
- Restricción del uso del suelo para fines ambientales (ELUR), si corresponde

### PARA OBTENER MAS INFORMACION, COMUNIQUESE CON:

**Contacto del DEM en la carta adjunta**  
 RIDEM/OLRSMM – Rehabilitación de sitios  
 235 Promenade Street, Suite 380  
 Providence, RI 02908  
 Teléfono: 401-222-2797  
 Correo electrónico: Proporcionado en la carta

O BIEN

Ashley L. Blauvelt, P.E.,  
 Ingeniera Ambiental IV RIDEM/OLRSMM –  
 Rehabilitación de terrenos 235 Promenade  
 Street, Suite 380  
 Providence, RI 02908  
 Teléfono: 401-222-2797 x 2777126  
 Correo electrónico:  
[Ashley.blauvelt@dem.ri.gov](mailto:Ashley.blauvelt@dem.ri.gov)

## PROGRAMAS DE REHABILITACIÓN DE TERRENOS DEL DEM

### QUÉ ES UN TERRENO EDIFICADO ABANDONADO

Los terrenos edificadas abandonados son bienes inmuebles cuya ampliación, rehabilitación o reutilización puede complicarse por la presencia o posible presencia de una sustancia peligrosa o un material contaminante.

### CÓMO DETERMINAR SI UN SITIO ES UN TERRENO EDIFICADO ABANDONADO O SI ESTÁ CONTAMINADO

Para determinar si un sitio es un terreno edificadas abandonado, se debe realizar una Evaluación Ambiental del Sitio (ESA) de Fase I. Esto determinará la historia de la propiedad en la que se está interesado. La fase I de la ESA también determinará cualquier problema ambiental reconocido (REC). Si se determina la presencia de un REC, se llevará a cabo una ESA de fase II, también conocida como investigación del sitio. La fase II de la ESA determinará si el sitio está contaminado.

### TIPOS DE CONTAMINANTES

- Metales
- Bifenilos policlorados (PCB)
- Compuestos orgánicos volátiles (VOC)
- Hidrocarburos de petróleo
- Semi-VOC
  - Hidrocarburos aromáticos policíclicos (PAH)

### EJEMPLOS DE TERRENOS EDIFICADOS ABANDONADOS

- Molinos abandonados
- Centros comerciales
- Gasolineras y estaciones de servicio
- Salones de peluquería y manicura
- Fábricas
- Tiendas de pintura y ferreterías
- Tintorerías
- Clínicas médicas, dentales y veterinarias
- Imprentas
- Granjas y huertos

### VENTAJAS DE LA REURBANIZACIÓN DE UN TERRENO EDIFICADO ABANDONADO

- Infraestructura existente
- Incentivos fiscales
- Concentración de mano de obra
- Mejora de la salud y la seguridad públicas
- Mejora de la calidad del aire y del agua
- Preservación de los monumentos históricos y de la arquitectura patrimonial
- Embellecimiento de los paisajes urbanos
- Reducción del deterioro de los vecindarios
- Fomento del crecimiento del empleo

### POSIBILIDADES DE REURBANIZACIÓN

- Espacios abiertos/espacios verdes/campos de deporte
- Viviendas asequibles
- Espacio industrial/comercial
- Espacio de uso mixto
- Y mucho más

## JUSTICIA AMBIENTAL

### DE QUÉ MANERA SE COMENZÓ

Como resultado de la historia y el patrimonio industrial de Rhode Island, muchas propiedades del estado han sido impactadas por actividades pasadas. Los impactos incluyen la contaminación ambiental por petróleo y productos químicos peligrosos que se utilizaron en estas operaciones. Muchos de los sitios afectados se encuentran en los centros urbanos del Estado. En muchos casos, hay comunidades de bajos ingresos y grupos marginados que viven alrededor de estos sitios. Estas poblaciones han sufrido muchas desigualdades históricas. Una de las principales premisas de la justicia ambiental es abordar estas desigualdades y ofrecer un proceso justo y eficaz para la futura participación en los proyectos de rehabilitación de sitios.

### QUÉ ES LA JUSTICIA AMBIENTAL (EJ)

La justicia ambiental es el trato justo y la participación significativa de todas las personas, independientemente de su raza, color, origen nacional o ingresos, con respecto al desarrollo, la aplicación y el cumplimiento de las leyes, reglamentos y políticas ambientales.

### QUÉ ES UN ÁREA DE JUSTICIA AMBIENTAL

Las áreas de enfoque de justicia ambiental se definen como grupos de bloques del censo de los Estados Unidos que se encuentran en el quince por ciento (15%) más alto de todos los grupos de bloques del censo de RI con respecto al porcentaje de población identificada como minorías raciales o el quince por ciento (15%) más alto de los grupos de bloques del censo de RI con respecto al porcentaje de población con ingresos identificados como el doble del nivel federal de pobreza o por debajo de este (utilizando los datos más recientes y disponibles del censo de los Estados Unidos).

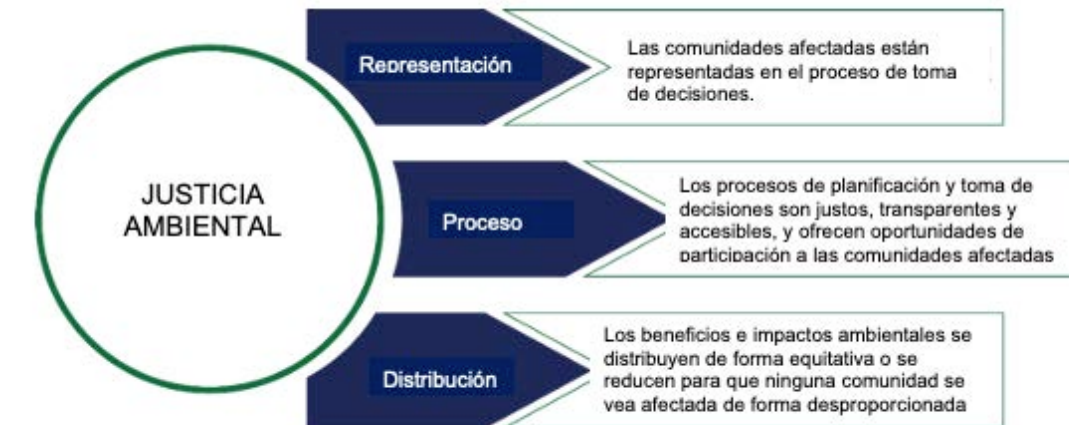
### ¿ESTÁ MI PROPIEDAD EN UN ÁREA DE JUSTICIA AMBIENTAL?

Consulte el mapa ArcGIS del DEM:

<https://ridemgis.maps.arcgis.com/apps/webappviewer/index.html?id=87e104c8adb449eb9f905e5f18020de5>

### CÓMO EL DEM ABORDA LA JUSTICIA AMBIENTAL

Consulte la Ley General de Rhode Island (RIGL) §23-19.14-5 para obtener más información sobre la equidad ambiental y la participación pública.





April 27, 2023

Narragansett Electric Company  
40 Sylvan Road  
Waltham MA 02451-2286

**RE: *Site Investigation Activities***  
***1144 Eddy Street***  
***Plat Map 57 / Lot 291***  
***Providence, Rhode Island***  
***SAGE Project No. S3977***

Dear Property Owner:

The attached Public Notice is being provided to inform you that Site Investigation activities at the referenced property will commence. This property neighbors your property, located at 1150 Eddy Street in Providence, Rhode Island.

Should you have any questions or comments concerning this correspondence, please do not hesitate to contact this office at (401) 723-9900 or the designated contact at the Rhode Island Department of Environmental Management, Office of Land Revitalization & Sustainable Materials Management, stipulated in the Notice.

Sincerely,  
SAGE Environmental, Inc.

*Jacob H. Butterworth*

---

Jacob H. Butterworth, MS, LSP  
Vice President

Attachment



April 27, 2023

Triton Terminaling LLC  
PO Box 4369  
Houston TX 77210-4369

**RE:    *Site Investigation Activities***  
***1144 Eddy Street***  
***Plat Map 57 / Lot 291***  
***Providence, Rhode Island***  
***SAGE Project No. S3977***

Dear Property Owner:

The attached Public Notice is being provided to inform you that Site Investigation activities at the referenced property will commence. This property neighbors your property, located at 1116 Eddy Street in Providence, Rhode Island.

Should you have any questions or comments concerning this correspondence, please do not hesitate to contact this office at (401) 723-9900 or the designated contact at the Rhode Island Department of Environmental Management, Office of Land Revitalization & Sustainable Materials Management, stipulated in the Notice.

Sincerely,  
SAGE Environmental, Inc.

*Jacob H. Butterworth*

---

Jacob H. Butterworth, MS, LSP  
Vice President

Attachment



April 27, 2023

Federal Products Corp  
1144 Eddy Street  
Providence, RI 02905

**RE: *Site Investigation Activities***  
***1144 Eddy Street***  
***Plat Map 57 / Lot 291***  
***Providence, Rhode Island***  
***SAGE Project No. S3977***

Dear Property Owner:

The attached Public Notice is being provided to inform you that Site Investigation activities at the referenced property will commence. This property neighbors your properties, located at 1139 & 1147 Eddy Street in Providence, Rhode Island.

Should you have any questions or comments concerning this correspondence, please do not hesitate to contact this office at (401) 723-9900 or the designated contact at the Rhode Island Department of Environmental Management, Office of Land Revitalization & Sustainable Materials Management, stipulated in the Notice.

Sincerely,  
SAGE Environmental, Inc.

*Jacob H. Butterworth*

---

Jacob H. Butterworth, MS, LSP  
Vice President

Attachment



April 27, 2023

Representative José F. Batista  
D - District 12  
205 Massachusetts Avenue  
Providence, RI 02905

**RE: *Site Investigation Activities***  
***1144 Eddy Street***  
***Plat Map 57 / Lot 291***  
***Providence, Rhode Island***  
***SAGE Project No. S3977***

Dear Property Owner:

The attached Public Notice is being provided to inform you that Site Investigation activities at the referenced property will commence.

Should you have any questions or comments concerning this correspondence, please do not hesitate to contact this office at (401) 723-9900 or the designated contact at the Rhode Island Department of Environmental Management, Office of Land Revitalization & Sustainable Materials Management, stipulated in the Notice.

Sincerely,  
SAGE Environmental, Inc.

A handwritten signature in black ink that reads "Jacob H. Butterworth". The signature is written in a cursive style and is positioned above a horizontal line.

Jacob H. Butterworth, MS, LSP  
Vice President

Attachment





April 27, 2023

Senator Tiara Mack  
D - District 6  
82 Smith Street, Room 333  
Providence, RI 02903

**RE: *Site Investigation Activities***  
***1144 Eddy Street***  
***Plat Map 57 / Lot 291***  
***Providence, Rhode Island***  
***SAGE Project No. S3977***

Dear Property Owner:

The attached Public Notice is being provided to inform you that Site Investigation activities at the referenced property will commence.

Should you have any questions or comments concerning this correspondence, please do not hesitate to contact this office at (401) 723-9900 or the designated contact at the Rhode Island Department of Environmental Management, Office of Land Revitalization & Sustainable Materials Management, stipulated in the Notice.

Sincerely,  
SAGE Environmental, Inc.



---

Jacob H. Butterworth, MS, LSP  
Vice President

Attachment



April 27, 2023

City Councilman Pedro Espinal  
Ward 10  
25 Dorrance Street, Room 310  
Providence, RI 02903

**RE: *Site Investigation Activities***  
***1144 Eddy Street***  
***Plat Map 57 / Lot 291***  
***Providence, Rhode Island***  
***SAGE Project No. S3977***

Dear Property Owner:

The attached Public Notice is being provided to inform you that Site Investigation activities at the referenced property will commence.

Should you have any questions or comments concerning this correspondence, please do not hesitate to contact this office at (401) 723-9900 or the designated contact at the Rhode Island Department of Environmental Management, Office of Land Revitalization & Sustainable Materials Management, stipulated in the Notice.

Sincerely,  
SAGE Environmental, Inc.

A handwritten signature in black ink that reads "Jacob H. Butterworth".

---

Jacob H. Butterworth, MS, LSP  
Vice President

Attachment

## **APPENDIX D**



**Contact List**  
**Public Involvement Plan (PIP)**  
1144 Eddy Street  
Providence, Rhode Island  
RIDEM Site Remediation File No. SR- 28-2076

The following personnel should be contacted with questions or concerns pertaining to the Site:

**1144 Eddy Street, LLC**

Mr. Al Buco  
100 Westminster Street  
Providence, Rhode Island 02903  
401-274-6611

**Rhode Island Department of Environmental Management**

Patricia Burke, Project Manager  
Office of Waste Management  
235 Promenade Street  
Providence, RI 02908  
401-222-2797 ext. 7109  
[patricia.burke@DEM.RI.GOV](mailto:patricia.burke@DEM.RI.GOV)

**SAGE Environmental, Inc.**

Jacob H. Butterworth, MS, LSP  
Vice President  
301 Friendship Street  
Providence, Rhode Island 02903  
401-723-9900  
[jbutterworth@sage-enviro.com](mailto:jbutterworth@sage-enviro.com)

## **ATTACHMENT 2**

**In the Matter Of:**  
**PUBLIC MEETING**

---

**WASHINGTON PARK ASSOCIATION**

*October 04, 2023*

---



**ESQUIRE**  
DEPOSITION SOLUTIONS

800.211.DEPO (3376)  
[EsquireSolutions.com](http://EsquireSolutions.com)

STATE OF RHODE ISLAND  
CITY OF PROVIDENCE

PROCEEDINGS AT:

WASHINGTON PARK COMMUNITY CENTER  
42 JILLSON STREET  
PROVIDENCE, RI 02905

IN RE:

PUBLIC MEETING OF WASHINGTON PARK NEIGHBORHOOD

PRESENTATION BY SAGE ENGINEERING OF DRAFT PUBLIC  
INVOLVEMENT PLAN & ENVIRONMENTAL REVIEW  
1144 EDDY STREET  
PROVIDENCE, RI

DATE: OCTOBER 4, 2023 @ 6:00 P.M.

PRESENT:

JOSEPH PAOLINO, JR. -- PAOLINO PROPERTIES  
JENNIFER COIA, ESQ. -- PAOLINO PROPERTIES  
AL BUCO, ESQ. -- PAOLINO PROPERTIES  
KELLY OWENS -- RIDEM  
JACOB BUTTERWORTH -- SAGE ENGINEERING

ALSO PRESENT:

MONICA HUERTAS -- PEOPLE'S PORT AUTHORITY  
LINDA PERRI -- WASHINGTON PARK ASSOCIATION

1 (OCTOBER 4, 2023 - COMMENCED AT 6:00 P.M.)

2 MS. PERRI: Welcome, everybody. This is the  
3 Washington Park Association meeting/Sage Environmental  
4 involvement plan meeting, and we are here -- we are all  
5 here because we care about Washington Park and our  
6 environment. We would like to thank everybody who has  
7 come, all the officials from Paolino Properties and Sage  
8 Environmental; we have been in conversation over the last  
9 couple of weeks, and our city officials for showing up,  
10 and we want to get moving along because we don't want to  
11 waste any time. And, so, with that, I am going to hand  
12 it over to Monica, who is going to talk about her agenda.

13 MS. HUERTAS: Hello, everyone. Good  
14 afternoon. Thank you for being here. My name is Monica  
15 Huertas, and I am the Executive Director of the People's  
16 Port Authority, and I am here with Linda as a member of  
17 the Washington Park Association. I am going to go over a  
18 little bit of our community norms, just to let everybody  
19 know, so we are all in tune. One mic, meaning one person  
20 speaking at a time. The second norm is land the plane;  
21 meaning, you know, if you're driving the plane, you've  
22 got to come -- you have an idea, land that plane; deliver  
23 your thoughts and ideas quickly so that we can move on  
24 and have a discussion. Step up, step back. If you are  
25 speaking a lot, please step back and give somebody an



1 opportunity to speak, as well, and please raise your hand  
2 if you would like to speak. When you speak, state your  
3 name and where you live; you know, my name is Monica, and  
4 I live in Washington Park, and wait your turn. Please be  
5 respectful. All of us here are volunteers. Linda and  
6 myself are volunteers, and we do this so that we can  
7 bring awareness to the community. Anybody else would  
8 like to add anything to the community norm? Anything out  
9 there I might have missed?

10 MS. PERRI: Lieutenant Sical was supposed to  
11 be here, but he is late, probably doing important police  
12 work in the 02905, but when he does come, he will have  
13 the district police report, and you can address questions  
14 to him. Okay? So Monica, our next -- well, actually,  
15 it's 10/10, which is next Tuesday, Councilman Espinal is  
16 having an extensive comprehensive plan overview at the  
17 John Rollins Center, Rec Center, 674 Prairie Avenue. So  
18 we can't have a full discussion on that today, but  
19 because, as everybody knows, there has been district  
20 meetings in all the wards, and there is about three left,  
21 I think, so wherever you live, make sure you go to one,  
22 and if you are -- if you missed it, you can go online,  
23 and if you are interested, I can give that you  
24 information.

25 MS. HUERTAS: Basically, for those of you

1 who don't know, the comprehensive plan, it is basically  
2 an opportunity for the residents of the City to give  
3 input to what the plan is going to look like. You can  
4 give your input, ideas on how we can make the city  
5 better. And, so, it is a meeting. If you can, we ask  
6 everybody to attend that meeting, 10/10 at 6 p.m. at the  
7 John Rollins Center, right behind the school, on Prairie  
8 Avenue. Linda will give you more information after the  
9 meeting.

10 MS. PERRI: Also, there is a 311 system that  
11 the Mayor is promoting, so if you have an issue, call 311  
12 and speak to the person on the other end of the line; it  
13 is actually a person, and give them the address, the  
14 complaint, and either DEM or DPW or code enforcement,  
15 they will go and follow-up, but you have to follow up on  
16 the follow-up, I have to say. So that works if you make  
17 it work.

18 MS. HUERTAS: Okay. So, briefly, for those  
19 of you who don't know, a little bit about the history of  
20 how we got here today. We really really deeply care  
21 about things that are happening in our city and our  
22 neighborhood, and we saw 1144 Eddy Street was kind of --  
23 there was talk about a possible shelter, a possible  
24 school being built on this site. Today we cannot go into  
25 depth about whether it is, whether it is going to be a

1 shelter or whether it is going to be a school or whether  
2 it is going to be anything. We have to have a specific  
3 meeting, and this is going to require more meetings and  
4 more specific engagements with a lot more people in order  
5 to give our opinions about what we want to see in these  
6 buildings. Okay. I know there has been some  
7 miscommunication, a shelter. We don't know. We don't  
8 know at this point. Okay. But what we do know, what we  
9 are concerned about with today, is no matter what this  
10 building is used for, that it is a safe building, inside  
11 and outside, meaning environmentally safe. There has  
12 been some concern, and hopefully we will talk about them  
13 today, about the air quality and some other things in the  
14 building. And, again, no matter who we are putting in  
15 there, no matter who it would be we would like to come to  
16 our neighborhood, we want to make sure it is a safe  
17 building for them to be there, environmentally safe, and  
18 it's not toxic. So, we want to have high standards for  
19 this building no matter what is going to be put in there.  
20 If you would like to extend your opinion on what's going  
21 to be put in there, when we have questions; we cannot  
22 have an in-depth conversation today about that. That's  
23 going to require multiple layers of community engagement.  
24 So without further ado, Mr. Butterworth. He is the  
25 consultant for Paolino Properties, and they did the

1 environmental assessment, and he is going to speak to us  
2 a little bit more about it. I ask that everybody save  
3 their questions until the end. Okay. So if you need to  
4 speak, let us know; we can get back to you. Questions?

5 (NO RESPONSE)

6 MS. HUERTAS: Okay.

7 MR. BUTTERWORTH: Good afternoon, everyone.  
8 Like you already heard, I'm Jacob Butterworth from Sage  
9 Environmental. I am going to be presenting to you this  
10 afternoon --

11 UNIDENTIFIED SPEAKER: -- Talk louder.

12 MR. BUTTERWORTH: Talk louder, okay. I'm  
13 sorry. What I will be presenting to you this afternoon  
14 is the environmental conditions on this property as we  
15 know them right now, as well as the draft public  
16 involvement plan, which many of you may be aware of. So  
17 this is the site, 1144 Eddy Street. So, first off, the  
18 project team, again, Jacob Butterworth; from Paolino  
19 Properties, Joseph Paolino, Al Buco and Jennifer Coia --

20 MS. HUERTAS: -- I'm so sorry. I forgot to  
21 introduce the interpreter, and they are going to have  
22 some rules about how we speak, because I don't think they  
23 can hear that well, some people, and then also some  
24 slowing down so they can interpret. Sir, can you state  
25 the rules, please? I'm sorry.

1 THE INTERPRETER: Hello everyone. My name  
2 is Hector. I am going to be the interpreter. I am going  
3 to be assisting anyone, and I will be interpreting in  
4 Spanish, and I am going to be the interpreter and  
5 translate in Spanish. With that said, anyone who needs a  
6 headset, just raise your hand, and I will provide you  
7 with it.

8 MS. HUERTAS: Now, for the speakers, when we  
9 are up here speaking, we need to project so we can hear.  
10 Louder and not as fast.

11 MR. BUTTERWORTH. Sure, not a problem.

12 MS. HUERTAS: Thank you.

13 MR. BUTTERWORTH: So the project team:  
14 Jacob Butterworth from Sage Environmental. We also have  
15 members from Paolino Properties, Joe Paolino, Al Buco and  
16 Jennifer Coia. We also have a representative of the  
17 Department of Environmental Management, Miss Kelly Owens.  
18 So what I am going to do is I am going to provide a  
19 general overview of the site history and the  
20 environmental conditions that we have sampled. We have  
21 sampled the soil, the groundwater, the soil gas beneath  
22 the building, as well as the indoor air. I am also going  
23 to provide a general overview of the DEM, Department of  
24 Environmental Management, process, from notification,  
25 site investigation, public outreach, cleanup plan, and

1 the actual cleanup itself. I am going to discuss where  
2 the site currently is in that process. I am also going  
3 to go over the points of the Draft Public Involvement  
4 Plan and what that means. I am going to also talk about  
5 what we anticipate the cleanup approach to be, and that  
6 will be the conclusion of the presentation. Again, just  
7 to lay it out there, again, for you.

8 So, site history. The current building was built  
9 around 1925, and since its development it has been used  
10 for a number of different industrial purposes. From an  
11 environmental perspective, they generally all included  
12 some level of machining or manufacturing. During due  
13 diligence, those properties transactions, Paolino  
14 Properties has done environment review back in 2022 --  
15 late 2021 and 2022. And as part of that due diligence,  
16 there was some samples collected which identified  
17 contamination. That was then notified to the Department  
18 of Environmental Management, and started the process with  
19 them. So, like I said, at the beginning we sampled four  
20 different mediums. Okay. We sampled the soil,  
21 groundwater, soil gas and indoor air. Groundwater, we  
22 have not found anything below standards; soil, we  
23 identified what we would call common contaminants that we  
24 would find in an environment such as this, some metals,  
25 and what we call poly-aromatic hydrocarbons, very common

1 to urban environments; I would say 90 percent of us. The  
2 soil gas investigation we had done, there is a portion of  
3 the building that has a basement. It's in yellow. Okay.  
4 The remainder of the building is constructed on a slab.  
5 We had collected some sub-slab soil matter samples that  
6 had been spilled originally, because there was concern of  
7 potential -- INAUDIBLE -- and what I mean by that, some  
8 contaminants can get into the air and enter a building,  
9 kind of analogous to radon, which I think a lot of people  
10 are a little bit more familiar with. We sampled the  
11 sub-slab soil gas. We identified the areas under the  
12 basement to be kind of the area that has the issue. We  
13 sampled the indoor air and found that we had some  
14 contaminants that were commonly called chlorinated  
15 volatile organic compounds. Very commonly used as a  
16 degreasing product in machinery and manufacturing. And  
17 the levels that we had in the basement, which is not an  
18 occupied space, were above threshold values that are  
19 commonly used in Rhode Island. There are standards, or  
20 thresholds, that were developed by the Massachusetts  
21 Department of Environmental Protection. They were  
22 developed in a way to be protective of human health. We  
23 sampled a few times the indoor air. Both times it is  
24 contained in that basement level. Upper floors were  
25 found to be relatively compliant, and in many instances

1 not exceeding residential criteria. So that's a general  
2 overview of the site history, the environmental  
3 conditions, kind of where we are. So, like I said  
4 earlier, when we found the environmental conditions, we  
5 had to notify the Department of Environmental Management.

6 So this slide has demonstrated kind of a five-prong  
7 approach. It is a lot of steps in between this, but,  
8 generally speaking, you start with step one, which is the  
9 release notification. The next step is your site  
10 investigation report. That report we have submitted to  
11 the Department. They do have it. It is publically  
12 available. Step No. 3, once we've gone past the site  
13 investigation, it's remedial action work plan. That is  
14 actually the plan that we put together to address any of  
15 the environmental conditions. Once that is approved, we  
16 implement that plan; and then once that is done, we  
17 submit the completion report. During this process  
18 there's two points in time of public involvement that is  
19 done. There' the initial, right after notification;  
20 we'll send notices to the abutters and local officials  
21 that we are doing a site investigation, and then after  
22 the site investigation report has been what's called  
23 preliminarily approved by the Department, there is a  
24 secondary round of the public notification. Right now,  
25 like I said, we're in Step 2. We are not -- we haven't



1 gone any further than that. So when we had submitted our  
2 site investigation report, there were a number of folks  
3 who petitioned the Department to ask us to get together  
4 and make what's called a public involvement plan. I know  
5 there is a lot on this slide, but, generally speaking,  
6 the intent of a public involvement plan is to allow the  
7 public to participate in the site process with DEM. So  
8 we have community meetings like we are having tonight.  
9 We have a mailing list where we can provide information  
10 to people on the list who have signed up, and I have that  
11 contact information. And there is also the DEM has set  
12 up a specific web page for this site that has the  
13 milestone reports. There is a web page listed on this.  
14 Anyone who needs it, my card is in the front. You can  
15 ask me, send me an e-mail. That QR code, if you scan it,  
16 it will bring you right to the web page, and then also we  
17 are setting up, we haven't done so yet, but we are going  
18 to, a local -- which is going to be probably -- well,  
19 we're anticipating it to be the Providence Community  
20 Library, where we will be putting milestone reports, site  
21 investigation reports, remedial action work plans, things  
22 that are available. We list some folks that you can  
23 contact if you want to join the group. So, Al Buco from  
24 the owner's side is here. He is one of the contacts, as  
25 well as Ashley from DEM, from the Department of

1 Environmental Management. The original draft plan had  
2 Patricia, but she's not going to be working on that, so I  
3 will be updating that. I think many of you know Ashley.  
4 She was at the last meeting. And then in that plan there  
5 is a mailing list, and you can ask to be added to that  
6 mailing list. So the reports going out, and you want to  
7 know about it, you can contact Al. You can also contact  
8 Cathy Racine of Sage with my office. Her e-mail address  
9 is also listed in the plan. So, as far as what we are  
10 anticipating, so right now we are at the site  
11 investigation report phase, but our anticipated cleanup  
12 approach for this site is going to be a few things. To  
13 address the vapor intrusion, sub-slab vapor intrusion,  
14 the common engineering practice is to perform what's  
15 called a sub-slab depressurization system, which is  
16 referred to as SSDS. What that does is it provides a  
17 negative pressure underneath the building slab to prevent  
18 those vapors from entering the building. It is kind of,  
19 faintly, it's a radon system. It is the same exact  
20 theory, technique, that you see with a radon situation.  
21 As far as the soil, all of the contaminants we have  
22 identified, the only risk is direct contact; so,  
23 physically working in the soil, accidentally ingesting  
24 the soil, dust. So to address those sorts of concerns,  
25 we are going to cap the site. So a lot of the site's

1 already capped, the concrete from the building  
2 foundation, the sidewalks, pavement. There is minimal  
3 landscaping, but as a part of that there will be some new  
4 landscaping put on those areas. Commonly it's a fabric  
5 and 12 inches of soil, and that's what we are going to  
6 address. As part of those two remedies, we also require  
7 what's called an Environmental Land Use Restriction and  
8 Soil Management Plan. Those documents are recorded  
9 against a deed of the property, and what they do is they  
10 institutionally control the site. What I mean by that is  
11 outline what you can and cannot do, and they require it  
12 be annually inspected to make sure the controls, sub-slab  
13 venting system and the caps are operating in a good  
14 working condition, and they don't need anything. That's  
15 it.

16 MS. HUERTAS: Thank you. Anybody have  
17 questions? I know you have questions. I saw a lot of  
18 people writing stuff down. I can start with a question I  
19 have. Do you have a contact sheet to go around so that  
20 people can sign their names right now so they can get on  
21 the list?

22 MR. BUTTERWORTH: The sign-in sheet up  
23 front, you can sign that. I have actually a phone  
24 number, e-mail address. If you want to provide that, I  
25 will add you right to the list.

1 MS. HUERTAS: And then, also, can you  
2 explain more about -- because, you know, dust travels,  
3 and we hear a lot in the community about oh, it's just  
4 dust, but where we are, when we have dust from the scrap  
5 metal, from the tar, what are some things you can do for  
6 that purpose? Because, as you know, you pick up dust,  
7 and you can put it onto the next truck, and it's all  
8 blowing in the air and going into our lungs and into our  
9 children's lungs. We have the highest asthma rate in the  
10 country. Please talk a little bit more about that, the  
11 safety for the community and the safety for the workers  
12 that are directly impacted.

13 MR. PAOLINO: May I ask a question?

14 MS. HUERTAS: After me. You have to wait  
15 your turn with things like that.

16 MR. BUTTERWORTH: Like I said, the site's  
17 already covered with a cap, concrete, asphalt, so there  
18 is no dust in those areas. The areas that are urban,  
19 landscaped, those have a very established vegetative  
20 cover. You are not going to see dust. The only time you  
21 will see dust is if you dig it up and disturb it. If and  
22 when we get to the point of capping, the soil management  
23 plan will be, with our cleanup plan, working the soil to  
24 cap it. There will be dust monitoring, and then covered  
25 with a cap.

1 MS. HUERTAS: What are the dust control  
2 methods?

3 MR. BUTTERWORTH: Water to keep dust down.  
4 Not drenching it, but wet it and not getting it in the  
5 air. That's usually the biggest one. Or if you have a  
6 situation where you have maybe a small stockpile, cover  
7 it with plastic so there is not exposure to air.

8 MS. HUERTAS: Go ahead.

9 AUDIENCE MEMBER TERI: My name is Teri, and  
10 I have been living in Washington Park my entire life, and  
11 I have lived there 32 years now, and on my street alone  
12 we have an enormous amount of people who have passed away  
13 of cancer, cancer, out of nowhere, my mom being one of  
14 them. There is like five people just Johnson Street, and  
15 you can't tell me that that's just dust, because you walk  
16 in, the dust is washed, so not that building -- Mahr, one  
17 time, where we have that suds that just pop up out of  
18 nowhere, and that must be the parking lot, because, you  
19 know, it is private. A lot of people bought their homes  
20 here because of that company, and this area is known for  
21 unsafe environmental property. We have since, and I  
22 can't always say that because it wasn't always, we have  
23 train tracks coming in through here with whatever they  
24 are carrying, and there is just something about when you  
25 open up this place, you don't know what you are going to

1 have, and the water, the ground, the pipe, because I just  
2 don't know, and I am sure you guys are going to try and  
3 do what's right, but you have to think about it. You say  
4 this is not, and you are going in, you start opening it  
5 up, and the sheet's falling down, cardboard and all that.  
6 It's going. And I do have one thing to say, if you make  
7 this a shelter, Joe, please think about it, because you  
8 have high school and junior high school over here, kids  
9 that run track, boys and girls, and they run up and down  
10 Eddy Street over that bridge, and if you put the wrong  
11 type of occupants in that shelter, it's not a good look,  
12 because you do have the Discovery House, and if it is,  
13 turns into a shelter, it should be ran right, and it  
14 should be ran by people in this area.

15 MR. PAOLINO: If it's okay with you, I'd  
16 like --

17 Ms. HUERTAS: -- Go ahead.

18 MR. PAOLINO: I think it's important that  
19 everybody here --

20 MS. HUERTAS -- Go ahead.

21 MS. PERRI: Project.

22 MR. PAOLINO: Look, that's why I'm here.  
23 When we bought this property, there is no way I want to  
24 buy property that has environmental problems that is  
25 going to give me a headache. I think I'm a pretty astute

1 real estate owner who has bought and developed a lot of  
2 property, primarily in the City of Providence. I love  
3 this city. I care about this city. I live here. You  
4 know, a lot of times people come here and move out. I  
5 stayed, and I ain't going anywhere either. When I bought  
6 this property, it was told to me when I sent Jacob over  
7 there, I said check it out; am I going to have an  
8 environmental problem? Is it going to become a headache?  
9 Because if it's going to be a headache, I don't need it.  
10 And he said to me, no. In fact, correct me if I'm wrong,  
11 it is a three-story building. The third floor has no  
12 environmental preclusions; is that accurate?

13 MR. BUTTERWORTH: Yes.

14 MR. PAOLINO: The second floor has no  
15 environmental preclusions; is that accurate?

16 MR. BUTTERWORTH: Yes.

17 Mr. PAOLINO: And the first floor, there's a  
18 small area in the back that needs to be remediated; is  
19 that accurate?

20 MR. BUTTERWORTH: That's correct.

21 MR. PAOLINO: And from what you told me, it  
22 is kind of like the aroma of paint; is that right?

23 MR. BUTTERWORTH: That's correct.

24 MR. PAOLINO: Fumes of like paint, something  
25 like that. When I bought the property, I didn't buy it

1 for a shelter. I didn't buy it for a warehouse. I  
2 bought it because I wanted to -- I am probably one of the  
3 largest, and I don't know if this is good or bad, I am a  
4 big fan of charter schools. I believe in charter  
5 schools. And I believe that if I can get that, that  
6 location to become a charter school, it would be good for  
7 the neighborhood. Now, when I bought the property, I  
8 called your council person, and he said to me, don't make  
9 it a strip club. Don't make it a night club. I said no,  
10 I want to make it a school. So we went to the City  
11 Council, and we had it rezoned so that it would be  
12 adaptable for a school. Now, I can't put a school there  
13 unless I remediate the small area on the first floor. I  
14 have spent a lot of money testing that building. The top  
15 floor is clean. The second floor is clean. There's a  
16 small area on the first floor, so I want to get it fixed.  
17 Now, I hear about this story about a shelter. I haven't  
18 talked to anybody about a shelter. It's been inquired of  
19 me, if I had any property available because the problems  
20 that they had at the Cranston Street Armory, and they  
21 came to me, and I said well, it's not zoned. It's not  
22 zoned for housing. If I want to get it zoned for  
23 housing, I have to go to the Zoning Board, and if I go to  
24 the Zoning Board, I'm coming to the neighborhood first,  
25 and I will show you a plan of what we want to do; but



1 right now that's not the intent that I have, to put  
2 housing there. Interest rates are very high right now.  
3 Quite frankly, I am concerned for my company. I am  
4 concerned about all of you. Whoever needs to borrow a  
5 mortgage today, it's going to be eight percent interest.  
6 I don't know how you can make a living paying eight  
7 percent interest. But I remember as a kid, and I am much  
8 older than all of you, I remember the time I was younger  
9 than everybody, I remember that when Jimmy Carter and  
10 Reagan were president, interest rates were 18, 20 percent  
11 interest. Now, we have been spoiled the last 10, 15  
12 years with low interest rates, but now they came up fast,  
13 and so I don't want to do a lot of developing right now.

14 MS. HUERTAS: A little bit off topic. We  
15 are not going to talk about that. We are here until  
16 7:30. We have questions.

17 MR. PAOLINO: I want to explain.

18 MS. HUERTAS: We don't know the questions  
19 unless they ask. We don't want anybody bulldozing the  
20 meeting.

21 MR. PAOLINO: Am I bulldozing? You're  
22 bulldozing.

23 MR. HUERTAS: No, I'm not. You're  
24 bulldozing, so excuse me.

25 MR. PAOLINO: I came to talk to the

1 neighborhood.

2 MS. HUERTAS: You are required to, to bring  
3 these people here.

4 AUDIENCE MEMBER TERI: Just listen to him.

5 MR. PAOLINO: I want to tell the truth. I  
6 will tell the truth.

7 MS. HUERTAS: Nobody said anything about not  
8 being truthful here. Excuse me. Anybody else have a  
9 question, because we want to stay to the subject to what  
10 we came here today, which is a community process. A  
11 community process. We have over 50 pages of reports, of  
12 things they said, Mr. Butterworth from Sage did. People  
13 who had their hands raised; this is a community  
14 engagement process, and we are going to keep it that way.  
15 Please, other people with questions. Go ahead, Linda.

16 MS. PERRI: Thank you. I was at that  
17 meeting, the ordinance committee meeting, when the lawyer  
18 for the previous owner said they wanted to make this a  
19 charter school. I can't believe that, to be honest, but  
20 I didn't believe it then, and I kind of don't believe it  
21 now.

22 MR. PAOLINO: Why?

23 MS. PERRI: However, a charter school in the  
24 shadows of Shell oil tanks is not a good idea. A charter  
25 school with not one stitch of God's green earth around it

1 is not a good idea. If there is a state-of-the-art plan  
2 for high levels of air filtration by the lot next door,  
3 or purchase the street next to it and condemn it, and  
4 create a park or parking with the electric company,  
5 that's a huge expense and a huge plan.

6 MR. PAOLINO: We have plenty of parking  
7 across the street that I can make into a park if I want.

8 MS. PERRI: Okay, but Mahr Manufacturing is  
9 going to give parking to a charter school...okay. That's  
10 down the road.

11 MR. PAOLINO: Wait a minute. Excuse me. I  
12 know the facts of this. You don't.

13 MS. PERRI: I don't. Okay.

14 MR. PAOLINO: The fact is, when I bought the  
15 building, I bought the parking lot across the street for  
16 40 cars.

17 MS. PERRI: Mahr, behind the gate?

18 MR. PAOLINO: Yes. And I have 40-car  
19 parking there. If we want parking there, or if we want  
20 to make it into a park, we could do whatever we want with  
21 it. Now, I probably have five charter schools that are  
22 tenants of mine throughout the City of Providence. I  
23 also had Achievement First in Cranston on Garfield Street  
24 that I developed and then sold to Achievement First. So,  
25 by accident, not because of a plan, but by accident in

1 business, we became the Number 1 landlord of charter  
2 schools. They all come to me because they know I get it  
3 done. So, with that, I saw this as a business  
4 opportunity to do something for a building that could  
5 become a charter school, and that's why I went to the  
6 city council to get it rezoned, and that's what it is  
7 rezoned as, to become a school.

8 MS. PERRI: MU-75, and MU-75 can also --  
9 that's what it is, MU-75, mixed use, from industrial to  
10 MU-75. And then if you look on the bottom of the chart,  
11 it says can be used for emergency shelter, but that's  
12 what people are freaking out about. I'm just telling ya.

13 MR. PAOLINO: But I haven't told anybody I  
14 am doing that. You never heard those words from me.

15 MS. PERRI: No.

16 MR. PAOLINO: It's my company. You know, in  
17 Providence, in Rhode Island, it's amazing. We don't have  
18 baseball, major league baseball. We don't have major  
19 league football. We don't have major league soccer or  
20 major league basketball. You know what we have? Major  
21 league rumor, that's what, because everybody thinks they  
22 know what's going on.

23 MS. PERRI: Major league scrap metal and  
24 garbage.

25 MR. PAOLINO: It's not right to have rumor

1 control the agenda. I am here in person, proud to be  
2 here.

3 MS. PERRI: And we are, too.

4 MR. PAOLINO: And I have no hesitation to  
5 talk to any neighbor about what we are trying to do.  
6 Years ago I wanted to try to help the homeless problem at  
7 St. Joe's Hospital. They tore my neck out. They beat  
8 the hell out of me, and I promised them that I won't do  
9 that. I don't go against the neighborhoods.

10 MS. PERRI: Well, whatever it is, we need it  
11 cleaned up.

12 MS. HUERTAS: Thank you, Mr. Paolino. First  
13 thing I said, we are not going to get into the rumor  
14 mill, he said, she said, and shelter versus a school, all  
15 of that. We are here for the environmental meeting due  
16 process and community due process that's required by law.

17 MR. PAOLINO: That's what this is about,  
18 environmental, not about the use.

19 MS. HUERTAS: Absolutely. That's what I  
20 said. I am reiterating what I said at the beginning.  
21 That's what I said from the beginning. Questions. I  
22 know people have questions and concerns. We will give  
23 you all this information, but right now we will discuss  
24 the building has some contamination, so it is the  
25 building, and this has to be remediated, and we are gonna

1 get the information on how that process is going to  
2 happen and what that would look like, who that's going to  
3 affect, the building, when things happen, in terms of  
4 that happening. But you can get more information from  
5 this guide here, and he did a great presentation in the  
6 beginning. Others? Julien?

7 AUDIENCE MEMBER JULIEN: Hi everyone. My  
8 name is Julien. I live in the neighborhood. I walked  
9 here from about a block and a half away, on Calla Street.  
10 I have a few comments before I get to the question part,  
11 so I know you said you asked for questions. I do have a  
12 question, but just to do some background; I am familiar  
13 with this kind of public involvement plan process. I was  
14 part of an organization years back called the  
15 Environmental Justice League of Rhode Island, which  
16 worked with DEM to get this regulation in place, in the  
17 books, and that came out of a long-term process and  
18 organizing around the Alvarez High School being built on  
19 top of the former Gorham Manufacturing plant, not too far  
20 from here but in a different neighborhood. And there was  
21 just a story in the news, Boston Globe Today, that a  
22 classroom in that school had to get shut down because of  
23 vapor intrusion from TCEs, which are one of the chemicals  
24 that has been identified at this site. The only reason  
25 that there is kind of non-stop, kind of consistent every

1 month air monitoring required in place at that school is  
2 because of community pushing for that. There is  
3 extensive remediation in place at that site, and the  
4 vapor intrusion still happened. I mean, that site has --  
5 you know, there is groundwater remediation being done to  
6 improve Mashapaug Pond. They are -- it's going to take  
7 50 years to kind of clean up that site. It's extensive.  
8 This is not something to joke around about. Because of  
9 what happened with a school being built on top of that  
10 contaminated site, Rhode Island is now one of the leading  
11 states in the country of having a really rigorous school  
12 siting law that prevents schools from being put on top of  
13 sites where there is a risk of vapor intrusion unless  
14 there is full remediation being done. So I appreciate  
15 what you're saying about wanting to create a space for a  
16 school. We need more space for schools. We need more  
17 spaces for housing. We need more shelter space. I am  
18 very much pro housing, whether it is for shelter space.  
19 You know, we have a homelessness housing crisis, but  
20 regardless of whatever use this will be for, when you  
21 said you didn't want an environmental problem on your  
22 hands and you asked your environmental experts if that  
23 would happen, I'm afraid to say that you got some bad  
24 advice, because you do have an environmental problem on  
25 your hands. There are TCEs at this site.

1 MR. PAOLINO: It's a fixable problem,  
2 though.

3 AUDIENCE MEMBER JULIEN: It is a fixable  
4 problem, and let me get to that in a minute. Part of  
5 this public involvement process is to weigh in and have  
6 the public be able to understand what the risks are and  
7 what is in place and what are the ways -- and being  
8 involved in a meaningful way in the process for what  
9 could be done to clean up contamination, especially in  
10 environmental justice communities like ours here in  
11 Washington Park. So when I read through, and it took me  
12 until -- I didn't read it until last night because I'm  
13 busy, life and family and work and kids, etc. There is  
14 very little in that draft public involvement plan.  
15 There's a lot of jargon. There's a lot of kind of --  
16 there's not a lot of detail. There is more here tonight  
17 that I'm noticing, like the definition of what SSDS is,  
18 the sub-slab depressurization system, but the plan was  
19 saying this is what was selected to be done as the way to  
20 remediate what's there, but from my understanding, and  
21 when I say my understanding, I have a masters in public  
22 health, a certification in environmental and occupational  
23 health from Johns Hopkins. I worked for the Department  
24 of Health around asthma, the Covid response. I have been  
25 working in environmental justice and environmental health



1 spaces for a decade or two. So that's my background that  
2 I'm pulling on for my understanding of what's going on  
3 here. The sub-slab depressurization system that is in  
4 the public involvement plan, or what your recommended  
5 piece is, is the lowest cost, kind of easy fix that  
6 doesn't actually address the contamination. It doesn't  
7 remove, it doesn't remediate. It doesn't change the fact  
8 there is contamination in the soil, in the ground,  
9 underground, beneath the building because of -- that's  
10 not your fault; that's the previous owners, but you  
11 bought the property, and now it is, unfortunately, your  
12 problem to deal with.

13 MR. PAOLINO: But it's fixable.

14 AUDIENCE MEMBER JULIEN: So what I would  
15 like, my comment is that we don't need a quick fix, cheap  
16 solution that just put some PVC pipe underneath the  
17 building to pump that gas outside. We need an actual  
18 remediation of the problem and cleaning it up, even if  
19 it's more expensive. The building is valued at 1.5  
20 million dollars, and you bought it for seven hundred  
21 fifty thousand dollars, so -- and with someone of your  
22 kind of assets and wealth, I think you should be able to,  
23 you know, whether you want to deal with an environmental  
24 problem or not, you have the resources and should be able  
25 to do what's needed in this community that is already

1 dealing with a host of other issues with contamination,  
2 to do right by us and actually remediate what's there  
3 that was caused by the previous industrial uses of the  
4 land, especially given the other impacts around it, like  
5 pumping that air outside the building when we are next to  
6 the Shell terminal that also produces volatile organic  
7 compound. Mahr and Monarch Finishing, and Shell Oil, who  
8 are within a very small radius of this building, are  
9 three of the eleven facilities in our zip code that are  
10 listed on EPA's toxic relief inventory for producing  
11 toxins and releasing them to the air, the soil, and the  
12 water every single year. So we have a major issue in our  
13 neighborhood with contamination, pollution from centuries  
14 back up through present day, and we need to be working  
15 towards improving that and fixing it, not just doing the  
16 quick fix solutions that are the shortcut and the cheap  
17 way out of doing that. So that is my comment. In terms  
18 of my question was, why was that, the SSDS model, chosen  
19 as the one to take? What are the other alternatives?  
20 And why don't we, as a community, have a chance to weigh  
21 in on the range of options, including the more expensive,  
22 better things that could be done to clean up a  
23 contamination in our neighborhood?

24 MS. PERRI: You can answer that.

25 MS. OWENS: I'm Kelly Owens from Rhode

1 Island DEM. Just so you know, nothing has been approved  
2 yet, and if you have comments on, like you want to review  
3 it before we approve it, right, that's what goes into the  
4 public involvement plan. You have the ability, and  
5 that's why he is presenting it. You can comment to  
6 change --

7 UNIDENTIFIED SPEAKER: -- We can't hear you.  
8 Speak up.

9 MS. OWENS: Public involvement plan, you can  
10 comment on that you want more than just the two times to  
11 comment on the report. You put it in that public  
12 involvement plan. We are here to receive comments. And,  
13 in addition, you can comment on the technical  
14 feasibility. That remedy is proposed. Nothing has been  
15 approved yet. It has to go through the whole process,  
16 and we haven't even issued the program letter to tell  
17 them to do public notice yet. So, this public  
18 involvement plan can be changed. That's what he  
19 proposed, and you have the ability to comment on it if  
20 you want things added to it.

21 MS. HUERTAS: Go ahead.

22 UNIDENTIFIED SPEAKER: Will we have a range  
23 of options presented, or do we know what those ranges are  
24 so we can be educated to know what we advocate for?

25 MS. OWENS: Not really, but he meant when he

1 says the proposed remedy, that's what's been proposed, an  
2 option that makes sense for building. The proposed  
3 remedy, that's what the consultant proposed, and that's  
4 what he -- you know, we don't have to accept it. We can  
5 pick whatever...

6 MS. HUERTAS: So whose bottom line is that?

7 MR. BUTTERWORTH: I don't know.

8 MR. PAOLINO: Speak up. Why don't you come  
9 up here.

10 MR. BUTTERWORTH: Our site assessment, which  
11 we included soil, groundwater, sub-slab soil gas, indoor  
12 air, did not identify exceedances from the soil for the  
13 VOCs. It did not have groundwater exceedance. This site  
14 is not -- I am familiar with the Gorham site. This is  
15 certainly not the level of what the Gorham site is. That  
16 site has much more contamination. Our place that we're  
17 talking about tonight has no exceedances for VOCs in soil  
18 or groundwater. So the real risk that we are talking  
19 about to human exposure is vapor intrusion, and the  
20 sub-slab venting system is a little bit more involved  
21 than just throwing PVC pipes in the ground. The system  
22 we put in to control these types of scenarios takes a lot  
23 of engineering design, takes a lot of careful thought.  
24 We put -- every single system we put in the ground has  
25 remote telemetry. It monitors the pressure. If there is

1 ever a pressure drop, everyone who owns or occupies the  
2 property responsible is notified. We have done this  
3 engineering control on many many sites, and it is a very  
4 well-recognized technique to abate situations such as  
5 this.

6 MS. HUERTAS: Thank you. Go ahead.

7 UNIDENTIFIED SPEAKER: I have a couple more  
8 questions to understand. So what is the life of the  
9 building with the additional -- how long will this  
10 building exist and will that outlast the engineering?

11 MR. BUTTERWORTH: You mean -- I'm sorry. I  
12 don't --

13 UNIDENTIFIED SPEAKER: -- how long -- this  
14 building that was built in the 1930's, how much longer  
15 will this building exist in its current form without any  
16 significant restructures, and will that be enough, or is  
17 that enough time for the structure, or the slab, to  
18 outlast the building, or to last the length of the  
19 building, or will these need to be maintained at a  
20 certain level?

21 MR. BUTTERWORTH: The system we are talking  
22 about, we design these as if the building is going to  
23 stay in perpetuity. If for some reason it gets  
24 structural issues or if it needs to be replaced, knocked  
25 down, that's why the environmental damage restriction is

1 so important and requires every year the site is  
2 inspected to make sure the cap is still in place and  
3 still adequate and in good condition, the sub-slab  
4 depressurization system is operational and functioning  
5 appropriately. Again, the telemetry system, this isn't  
6 the sort of thing where you just throw a fan on the  
7 building and walk away. That's not what we are taking  
8 about. Like I said, it has a highly sophisticated  
9 monitoring system on it that's 24/7. So if there is ever  
10 a problem with it, pressure drops, fan fails, something  
11 goes wrong, we know immediately.

12 UNIDENTIFIED SPEAKER: Is there insurance,  
13 or is it insured by the owner or the occupant?

14 MR. BUTTERWORTH: It is always the property  
15 owner's responsibility.

16 UNIDENTIFIED SPEAKER: When, after this  
17 public involvement period, how soon does the remediation  
18 take place?

19 MR. BUTTERWORTH: Well, where we are right  
20 now; again, we've done the release notification; we have  
21 submitted our site investigation report, which provides  
22 an analysis of different techniques that we could do to  
23 achieve compliance. Once the site investigation report  
24 has been approved, what we will get from the Department  
25 is a program letter, and that program letter says we've

1 reviewed, we agree in concept, complete your second round  
2 of public notification. And then once we get past that  
3 part, we can then submit the remedial action work plan,  
4 which is the actual details, the engineering design,  
5 pilot test data, full out, you know, piping, what it's  
6 going to look like, fan sizing, all that.

7 UNIDENTIFIED SPEAKER: You mentioned earlier  
8 the levels for three, two, one. What are the levels for  
9 residential use versus commercial use?

10 MR. BUTTERWORTH: For the contaminants that  
11 we are talking about, the main two are trichloroethylene,  
12 which is TCE, and tetrachloroethylene, which is commonly  
13 referred as PCE. The residential standard for  
14 trichloroethylene is point four, and for  
15 tetrachloroethylene is one point four. The basement  
16 level has exceedances of both residential and commercial.  
17 The basement level does not occupy the entirety of the  
18 building. It is roughly about 30 percent of the  
19 building, and it's kind of where the triangular piece  
20 meets. The other floors we sampled. We have sampled the  
21 first, second, and third floors. The second and third  
22 have been completely fine. The first floor --

23 UNIDENTIFIED SPEAKER: -- for residential  
24 levels?

25 MR. BUTTERWORTH: Yup.

1 UNIDENTIFIED SPEAKER: Or commercial levels?

2 MR. BUTTERWORTH: Nope, residential. The  
3 first floor towards Eddy Street was fine on the first  
4 round. The corner sample, which is directly above the  
5 basement area, had detection. I believe it was above  
6 residential but not commercial industrial. Either way  
7 you look at it, the first, second and third floors are  
8 commercial industrial acceptable. We did have  
9 tetramethylene in the building. One of the dynamic  
10 things that we have to deal with is that these VOCs that  
11 we are testing for can be in many different products that  
12 we all have in our houses: cleaning products, aerosol  
13 products, paint cans, whatever you think, you know, any  
14 paint material with degreasing, cleaning. So the  
15 challenge that we are normally faced with is you found it  
16 in the indoor areas. It's actually coming from a release  
17 to the environment. It's coming from soil, groundwater  
18 contamination, which is then resulting in soil gas, which  
19 is entering the building. It is our position, and we  
20 sampled again after we found that first detection, that  
21 is not associated with vapor intrusion. They have some  
22 lacquers and stuff in the building, like printing  
23 products, stuff like that, which were very common,  
24 because the concentration differences between the  
25 sub-slab, the basement and the upper floor, if you can



1 imagine, what we would normally see is it is highest  
2 under the building, and then there is a dilution factor  
3 when it enters the building, and then as you get further  
4 and further away, it should decrease. That's some of the  
5 things that we look for.

6 UNIDENTIFIED SPEAKER: One more question.

7 MS. HUERTAS: Go ahead.

8 UNIDENTIFIED SPEAKER: Also, I understand  
9 this will be, potentially, whatever use is permitted, to  
10 spend eight hours a day; what are the long-term effects  
11 of exposure, the long-term impact that residents should  
12 know, or people, potentially children to this school,  
13 what are the long-term effects?

14 MR. BUTTERWORTH: The first thing I am going  
15 to say is, A, environmentally we are going to do  
16 residential compliance. So the indoor air will be  
17 cleaned up and controlled to meet residential standards.  
18 So I guess what I am trying to say is there won't be an  
19 impact. We are not going to allow it. We are going to  
20 clean it up.

21 UNIDENTIFIED SPEAKER: In the case like  
22 the --

23 MR. BUTTERWORTH: -- so, all of these --  
24 so, trichloroethylene is a little bit of a unique  
25 situation. It does have a higher level of toxicity. It

1 has what we call imminent hazard, okay; and immanent  
2 hazard is a hazard that is realized over a very short  
3 period of time, okay. Trichloroethylene has that, and  
4 it's usually most concerning for women of child bearing  
5 age. Massachusetts Department of Environmental  
6 Protection has a huge policy on this. The  
7 residential imminent hazard for trichloroethylene is six  
8 micrograms. That's Massachusetts. We don't have that  
9 currently except for if someone was living in the  
10 basement, which we don't have that. So we don't have  
11 that situation like that.

12 UNIDENTIFIED SPEAKER: Mr. Paolino was  
13 saying that across the street is a 40-car parking lot, so  
14 there is a building across the street, too. That's  
15 where -- what are you going to do about that?

16 MR. BUTTERWORTH: I can't comment on that.

17 UNIDENTIFIED SPEAKER: But that building has  
18 more contamination where you would put that parking lot,  
19 because that's where the workers were. This building  
20 that we are speaking of tonight was the business office,  
21 so what about the other building? There are two  
22 buildings.

23 MR. PAOLINO: Can I make a statement? He  
24 doesn't know what's in my head. I don't know what's in  
25 my head sometimes. First of all, we don't own that other

1 building. There is a parking lot there now, and there  
2 is -- and nobody parks there because that's mine. Now,  
3 we are going to go along with the law, whatever the law  
4 is. I am not violating DEM. I am not violating any  
5 state laws. I am not looking to try to get around the  
6 corners. I'm going to follow the law, and whatever DEM  
7 says we are allowed to do, whatever this gentleman says  
8 we are allowed to do, we will do. Now, let's assume we  
9 remediate this, because as soon as we get approval, I  
10 want to get it remediated now. All of Providence is  
11 built on polluted land. The whole city is. I mean, the  
12 real problem is Sims; it's Allens Avenue. That's the  
13 problem. When they allowed that zoning to take place,  
14 they ruined this community. I really believe that. By  
15 that, I mean all of this city. So if we can't put a  
16 playground over there then I can't do a school there,  
17 simple as that. So we are going to follow whatever law  
18 that there is. Whatever rules and regulations and  
19 guidelines that are in front of us, we are going to  
20 follow, and we are going to go through the proper  
21 procedures. Simple.

22 UNIDENTIFIED SPEAKER: That parking lot, I  
23 know it's contaminated.

24 MR. PAOLINO: I don't know.

25 UNIDENTIFIED SPEAKER: I have seen chemicals

1 being transported in and out of there.

2 MR. PAOLINO: But you don't know what  
3 parking lot it is.

4 UNIDENTIFIED SPEAKER: The one across the  
5 street.

6 MR. PAOLINO: I have only a section of this.

7 UNIDENTIFIED SPEAKER: If you have any  
8 section, it's all contaminated.

9 MR. PAOLINO: If that's the case, and if  
10 that prohibits me doing a school, then it just becomes a  
11 parking lot, and your suggestion, or somebody suggested,  
12 maybe make it part of the street. A park, maybe we go to  
13 the city and we ask them if they want to do that. If  
14 they want a school, they don't want a school, then it  
15 doesn't happen, then I have to find other uses for the  
16 building. I don't want the building to stay vacant. I  
17 want to generate something to happen there that could be  
18 conducive to the community, follow the zoning, and follow  
19 the laws and regulations that we have in front of us.  
20 But just keeping it vacant, then what's going to happen?  
21 We turn the heat down, then people throw rocks in the  
22 windows, then it's going to be a mess. I don't have  
23 property that's in condition like that. Every project,  
24 everything I have tried to do, and I tried to do it when  
25 I was in politics. I definitely do it now. We are in

1 business. If I get involved in something, it's got to be  
2 better than how I found it, simple as that, otherwise I  
3 don't want the name Paolino on it.

4 MS. HUERTAS: Questions? We are going to be  
5 wrapping it up.

6 UNIDENTIFIED SPEAKER: When the  
7 trichloroethylene is mitigated through the system and it  
8 goes into the air, then what happens to it? Can it be  
9 combined, like sulfur becomes acid rain?

10 MR. BUTTERWORTH: As part of the design, we  
11 will be evaluating whether that discharge is going to  
12 require carbon treatment, so we would have to --  
13 INAUDIBLE -- because the concentrations coming out to see  
14 if they exceed threshold limits, so I don't know yet what  
15 will happen with that. But, essentially, once it gets  
16 out of the atmosphere through dilution, essentially, it  
17 doesn't become an issue, as long as the system is  
18 designed appropriately. And when you say exhaust, the  
19 exhaust is -- this is a tall building, so the exhaust is  
20 pretty much above the roofline; three, four, maybe five  
21 feet above the roofline. That's typically how it's done.  
22 There could be a requirement, based upon the pilot  
23 testing, that we have to put carbon in. Some of our  
24 sites we have to, and that carbon is changed every six  
25 months. You record that with the Environmental Land Use

1 Restrictions and just document that as an ongoing  
2 maintenance.

3 MS. HUERTAS: Go ahead.

4 UNIDENTIFIED SPEAKER: Regarding the  
5 threshold limit, is that a threshold limit for the  
6 building?

7 MR. BUTTERWORTH: No. The threshold  
8 barriers that we're are talking about are predicated upon  
9 use. So there is a commercial industrial scenario, and  
10 then there is a residential scenario. So I'm talking  
11 about threshold barriers between those two.

12 UNIDENTIFIED SPEAKER: So, the PCEs and the  
13 TCEs will be scrubbed out?

14 MR. BUTTERWORTH: Correct.

15 UNIDENTIFIED SPEAKER: Some will go up?

16 MR. BUTTERWORTH: Some will probably go up.

17 UNIDENTIFIED SPEAKER: Do we know how that  
18 combines with the fugitives that are so many in this  
19 neighborhood, and how does it all contribute then to the  
20 depredation of the health and property values, etc.,  
21 etc.?

22 MR. BUTTERWORTH: So, as part of the testing  
23 that we do to design these systems, we look at what the  
24 potential concentration could be coming out of the  
25 system. If that concentration necessitates putting in a

1 control, which we commonly use carbon, a little more  
2 sophisticated, but like a Brita filter, that carbon is  
3 designed to absorb, so whatever is coming out is little  
4 to zero.

5 UNIDENTIFIED SPEAKER: Have you ever done an  
6 assessment of the air around and the contaminants in the  
7 air, and not just on a clear day, but on a hot maybe  
8 windy day, on a day that, you know, that the weather is  
9 different, and because in that area there's a lot of heat  
10 islands. There is a lot of exacerbation, in my  
11 estimation, and maybe, Julien, you can speak to that,  
12 too, because I am not an expert in this field, but a lot  
13 of it is exacerbation of those fugitive elements that are  
14 drafting around. So, this community needs, this  
15 community, the south side needs to be able to sort of  
16 have people who are invested to wrap their arms around  
17 the larger problem and then to understand how to develop  
18 the smaller pieces within it so that they are also  
19 addressing the larger problem, and have that be  
20 measurable and quantifiable and transparent.

21 MR. BUTTERWORTH: Well, we also collect  
22 ambient air samples for the same contaminants to  
23 identify -- again, when we talk about vapor intrusion and  
24 environmental risk, something was spilled, dumped into  
25 the ground, our assessment is not meant to evaluate, you

1 know, what could be happening in the ambient air  
2 somewhere else. It's only meant to say, it's what I am  
3 seeing in the indoor air from vapor intrusion, stuff  
4 coming from underneath the building in, or it could be an  
5 artifact of an ambient background source. For example,  
6 we sample indoor air and ambient air all the time, and  
7 carbon tetrachloride is in our atmosphere, basically in  
8 the atmosphere pretty much all over the state at almost  
9 similar concentrations, and we find it in the indoor air  
10 of almost every building that we sample, and it matches,  
11 the indoor matches what's in the ambient. So we do take  
12 that into consideration, but our assessments are not  
13 focused on evaluating someone else in the neighborhood or  
14 anything like that.

15 UNIDENTIFIED SPEAKER: Is there a  
16 community -- cumulative impact statement that could be  
17 prepared to understand interaction between -- INAUDIBLE  
18 -- a localized study of ambient air, how it interacts  
19 with other pollutants that are potentially there so that  
20 neighbors can then understand how this building is  
21 interacting with already known exposures?

22 MR. BUTTERWORTH: If we had to get to that  
23 point, we would just be putting in controls to prevent  
24 anything to go up the stacks. What we normally do,  
25 again, as part of the design, we take samples and we



1 forecast what the flow rate of the sytem, concentration  
2 in the pipe; we can estimate what the ambient air  
3 discharge level might be, usually.

4 MS. HUERTAS: You just said five minutes ago  
5 you couldn't do it.

6 MR. BUTTERWORTH: I said that my -- the  
7 assessment that I am doing when I collect samples of the  
8 indoor air, I will take an ambient air sample to see what  
9 relationship may exist between what I am seeing inside  
10 and what I am seeing outside, because stuff that's  
11 outside may be affecting what I am seeing inside the  
12 building. She asked me the emissions from the remedial  
13 system. That's not what I'm sampling. There is no  
14 system there, or we put a system in as part of the  
15 design; we evaluate what could potentially come out of  
16 the pipes, and if it exceeds limits, then we put carbon  
17 scrubbing on those which will eliminate anything coming  
18 out of the discharging air.

19 UNIDENTIFIED SPEAKER: Can it maybe also be  
20 presented with buildings that have similar profiles to  
21 understand what --

22 MR. Butterworth: -- 21 Gordon Avenue. It's  
23 a school; went through the Safe School Siting Act, fully  
24 permitted, vapor intrusion.

25 UNIDENTIFIED SPEAKER: As part of the public

1 involvement process, could you provide the community with  
2 things that have been learned from those building  
3 remediations so that folks have an understanding so they  
4 can understand what has worked and what hasn't worked?

5 MR. BUTTERWORTH: I mean, I can only give  
6 you my experiences. I've worked with Kelly's department,  
7 and she has every type in the state, and we can work and  
8 give some examples of similar sites, absolutely. That's  
9 not a problem. We have many.

10 UNIDENTIFIED SPEAKER: The final question,  
11 can the community also be presented with what are those  
12 other options?

13 MR. BUTTERWORTH: I can talk to that. You  
14 brought up good points.

15 UNIDENTIFIED SPEAKER: If there is another  
16 community interaction, could they be presented in a form  
17 of slides or a one-pager so we can have an understanding  
18 of the options so that folks can discuss them within  
19 their community?

20 MR. BUTTERWORTH: Yes. So the Safe School  
21 Siting Act, we contend with that all the time, and it's a  
22 good policy. I totally endorse it. It makes a lot of  
23 sense. And if you are not familiar with it, which I  
24 think you probably are, what it prohibits, or controls,  
25 is the redevelopment of any former industrial use

1 property or building into a school without doing a proper  
2 evaluation, and a lot of that policy is geared towards  
3 vapor intrusion. And when we talk about the vapor  
4 intrusion, and that is the most important thing on this,  
5 is we are trying to prevent any exposure from the  
6 sub-slab into the indoor air, right. And when we talk  
7 about in that policy, the term source is used. It's not  
8 really well defined, but the term source has to be  
9 eliminated. We do have some fairly low level detections  
10 in the soil and beneath the basement level of the  
11 building. If we did have to go and do something, it  
12 might be some spot removal of some of those soils. Now,  
13 they don't exceed standards. I just want to be clear on  
14 that. Those soils don't exceed standards. But, not to  
15 go down the science road with this, these volatile  
16 compounds are extremely dynamic, and you can have them in  
17 the soil at relatively low levels, because all these  
18 standards that we're talking about are you can pick it up  
19 and eat it, or rub it on your skin. It doesn't  
20 contemplate what could happen if I had that soil in my  
21 hand and what's off-gassing. So you can have pretty high  
22 levels of soil gas coming from soils that are not overly  
23 impacted. You see this a lot. So if we had to do some  
24 spot removal of soils, we'll do it. I don't want to  
25 speak for Mr. Paolino, but I think he has said that a

1 number of times, that we are going to do what is  
2 necessary.

3 MR. PAOLINO: Whatever has to be done we  
4 will do.

5 MR. BUTTERWORTH: I hope that answers yours  
6 questions.

7 MS. HUERTAS: Any other questions? Somebody  
8 who hasn't spoken.

9 UNIDENTIFIED SPEAKER: I would just say that  
10 if there is a school and a park across the street, maybe  
11 a pedestrian bridge for the kids to cross, because that's  
12 a busy street. That's just a suggestion.

13 MR. PAOLINO: If there's a school that is  
14 interested, what I would do immediately is sit down with  
15 the city planning department and with the school to see  
16 what makes sense for everybody. The safety of kids is  
17 critical. I understand your concern there. I think your  
18 idea, Linda, with having part of the street be maybe  
19 abandoned for a park is probably a better idea, but we do  
20 have that land across the street, so we'll see what  
21 happens. The first thing I have to do, I have to get it  
22 remediated. I have to clean up what's there. And  
23 because I can't do anything unless it gets cleaned up,  
24 and I don't want to do anything until it gets cleaned up  
25 and gets fixed.

1 MS. HUERTAS: Very quick.

2 UNIDENTIFIED SPEAKER: I think you're trying  
3 to do good. Thank you for having this tonight. It has  
4 been very informative, and I think it is helping to  
5 understand. I think there is a lot to understand in  
6 this. You are the right person. It is a lot to  
7 understand. One of the things that I -- I just want to  
8 make a statement. One of the things I feel like is  
9 really missing for this area is a total area remediation  
10 and redevelopment plan for the entire area so that it  
11 isn't happening piecemeal. That's one way to do it, one  
12 building at a time, make one building at a time having  
13 less emission, but I think there is so much happening in  
14 this area. So much has been happening in this area, that  
15 that is problematic for the community, healthwise, and a  
16 lot of other ways, and I just want to pose that question  
17 to everybody in this room; do you think we need a  
18 comprehensive, some kind of comprehensive remedial plan  
19 for this climate justice zone, and if you do, where will  
20 you -- who will you talk to about that? Where will  
21 you take that request, and how can we all make that  
22 happen?

23 MS. HUERTAS: Thank you. Thanks to our  
24 guests for attending and for bringing all that great  
25 information. We are trying to be a bridge for the

1 community so that they can make the best decisions for  
2 our community that we love and adore.

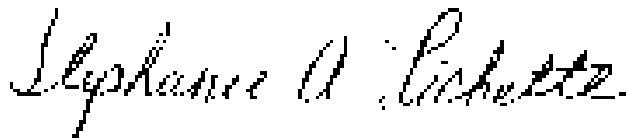
3 (ADJOURNED AT 7:30 P.M.)  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25

C E R T I F I C A T E

I, Stephanie A. Pichette, do hereby certify that the foregoing is a true, accurate, and complete transcript of my notes taken at the above-entitled hearing.

IN WITNESS WHEREOF: I hereunto set my hand this 17th day of October 2023.



STEPHANIE A. PICHETTE  
CERTIFIED COURT REPORTER, NOTARY PUBLIC  
MY COMMISSION EXPIRES 6/1/2027

DATE: Wednesday, October 4, 2023

IN RE: Washington Park Association Public Meeting  
Presentation by Sage Environmental  
Draft Public Involvement Plan & Environmental  
Review - 1144 Eddy Street, Providence, RI

	<b>2023</b>	<b>6:00</b>	19	<b>ado</b>
<b>0</b>	2:1	2:1	<b>achieve</b>	5:24
	<b>21</b>		32:23	<b>adore</b>
<b>02905</b>	43:22	<b>7</b>	<b>Achievement</b>	48:2
3:12	<b>24/7</b>		21:23,24	<b>advice</b>
	32:9	<b>7:30</b>	<b>acid</b>	25:24
<b>1</b>		19:16	39:9	<b>advocate</b>
	<b>3</b>	48:3	<b>Act</b>	29:24
<b>1</b>			43:23	<b>aerosol</b>
22:1	<b>3</b>		44:21	34:12
<b>1.5</b>	10:12		<b>action</b>	<b>affect</b>
27:19	<b>30</b>	<b>90</b>	10:13	24:3
<b>10</b>	33:18	9:1	11:21	<b>affecting</b>
19:11	<b>311</b>		33:3	43:11
	4:10,11	<b>A</b>	<b>actual</b>	<b>afraid</b>
<b>10/10</b>	<b>32</b>		8:1 27:17	25:23
3:15 4:6	15:11	<b>abandoned</b>	33:4	<b>afternoon</b>
<b>1144</b>		46:19	<b>adaptable</b>	2:14 6:7,
4:22 6:17	<b>4</b>	<b>abate</b>	18:12	10,13
<b>12</b>		31:4	<b>add</b>	<b>age</b>
13:5	<b>4</b>	<b>ability</b>	3:8 13:25	36:5
<b>15</b>	2:1	29:4,19	<b>added</b>	<b>agenda</b>
19:11	<b>40</b>	<b>absolutely</b>	12:5	2:12 23:1
<b>18</b>	21:16	23:19	29:20	<b>agree</b>
19:10	<b>40-car</b>	44:8	<b>addition</b>	33:1
<b>1925</b>	21:18	<b>absorb</b>	29:13	<b>ahead</b>
8:9	36:13	41:3	<b>additional</b>	15:8
<b>1930's</b>		<b>abutters</b>	31:9	16:17,20
31:14	<b>5</b>	10:20	<b>address</b>	20:15
		<b>accept</b>	3:13 4:13	29:21
<b>2</b>	<b>50</b>	30:4	10:14	31:6 35:7
	20:11	<b>acceptable</b>	12:8,13,	40:3
<b>2</b>	25:7	34:8	24 13:6,	<b>air</b>
10:25		<b>accident</b>	24 27:6	5:13 7:22
<b>20</b>	<b>6</b>	21:25	<b>addressing</b>	8:21 9:8,
19:10		<b>accidentall</b>	41:19	13,23
<b>2021</b>	<b>6</b>	<b>y</b>	<b>adequate</b>	14:8
8:15	4:6	12:23	32:3	15:5,7
<b>2022</b>	<b>674</b>	<b>accurate</b>	<b>ADJOURNED</b>	21:2 25:1
8:14,15	3:17	17:12,15,	48:3	28:5,11
				30:12



35:16	12:10	14:17	<b>awareness</b>	23:20, 21
39:8	<b>approach</b>	<b>assessment</b>	3:7	24:6
41:6, 7, 22	8:5 10:7	6:1 30:10	_____	<b>beneath</b>
42:1, 3, 6,	12:12	41:6, 25	<b>B</b>	7:21 27:9
9, 18	<b>appropriate</b>	43:7	_____	45:10
43:2, 8, 18	<b>ly</b>	<b>assessments</b>	<b>back</b>	<b>big</b>
45:6	32:5	42:12	2:24, 25	18:4
<b>Allens</b>	39:18	<b>assets</b>	6:4 8:14	<b>biggest</b>
37:12	<b>approval</b>	27:22	17:18	15:5
<b>allowed</b>	37:9	<b>assisting</b>	24:14	<b>bit</b>
37:7, 8, 13	<b>approve</b>	7:3	28:14	2:18 4:19
<b>alternative</b>	29:3	<b>Association</b>	<b>background</b>	6:2 9:10
<b>s</b>	<b>approved</b>	2:3, 17	24:12	14:10
28:19	10:15, 23	<b>assume</b>	27:1 42:5	19:14
<b>Alvarez</b>	29:1, 15	37:8	<b>bad</b>	30:20
24:18	32:24	<b>asthma</b>	18:3	35:24
<b>amazing</b>	<b>area</b>	14:9	25:23	<b>block</b>
22:17	9:12	26:24	<b>barriers</b>	24:9
<b>ambient</b>	15:20	<b>astute</b>	40:8, 11	<b>blowing</b>
41:22	16:14	16:25	<b>baseball</b>	14:8
42:1, 5, 6,	17:18	<b>atmosphere</b>	22:18	<b>Board</b>
11, 18	18:13, 16	39:16	<b>based</b>	18:23, 24
43:2, 8	34:5 41:9	42:7, 8	39:22	<b>books</b>
<b>amount</b>	47:9, 10,	<b>attend</b>	<b>basement</b>	24:17
15:12	14	4:6	9:3, 12,	<b>borrow</b>
<b>analogous</b>	<b>areas</b>	<b>attending</b>	17, 24	19:4
9:9	9:11 13:4	47:24	33:15, 17	<b>Boston</b>
<b>analysis</b>	14:18	<b>AUDIENCE</b>	34:5, 25	24:21
32:22	34:16	15:9 20:4	36:10	<b>bottom</b>
<b>annually</b>	<b>Armory</b>	24:7 26:3	45:10	22:10
13:12	18:20	27:14	<b>basically</b>	30:6
<b>answers</b>	<b>arms</b>	<b>Authority</b>	3:25 4:1	<b>bought</b>
46:5	41:16	2:16	42:7	15:19
<b>anticipate</b>	<b>aroma</b>	<b>Avenue</b>	<b>basketball</b>	16:23
8:5	17:22	3:17 4:8	22:20	17:1, 5, 25
<b>anticipated</b>	<b>artifact</b>	37:12	<b>bearing</b>	18:2, 7
12:11	42:5	43:22	36:4	21:14, 15
<b>anticipatin</b>	<b>Ashley</b>	<b>aware</b>	<b>beat</b>	27:11, 20
<b>g</b>	11:25	6:16	23:7	<b>boys</b>
11:19	12:3	<b>asphalt</b>	<b>beginning</b>	16:9
			8:19	

<b>bridge</b>	37:1	36:16	<b>caps</b>	<b>change</b>
16:10	38:16	39:10	13:13	27:7 29:6
46:11	39:19	40:7,14,	<b>carbon</b>	<b>changed</b>
47:25	40:6	16,22	39:12,23,	29:18
<b>briefly</b>	42:4,10,	41:21	24 41:1,2	39:24
4:18	20 43:12	42:22	42:7	<b>chart</b>
<b>bring</b>	44:2	43:6,22	43:16	22:10
3:7 11:16	45:1,11	44:5,13,	<b>card</b>	<b>charter</b>
20:2	47:12	20 46:5	11:14	18:4,6
<b>bringing</b>	<b>buildings</b>	<b>buy</b>	<b>cardboard</b>	20:19,23,
47:24	5:6 36:22	16:24	16:5	24 21:9,
<b>Brita</b>	43:20	17:25	<b>care</b>	21 22:1,5
41:2	<b>built</b>	18:1	2:5 4:20	<b>cheap</b>
<b>brought</b>	4:24 8:8	<hr/>	17:3	27:15
44:14	24:18	<b>C</b>	<b>careful</b>	28:16
<b>Buco</b>	25:9	<hr/>	30:23	<b>check</b>
6:19 7:15	31:14	<b>call</b>	<b>carrying</b>	17:7
11:23	37:11	4:11	15:24	<b>chemicals</b>
<b>building</b>	<b>bulldozing</b>	8:23,25	<b>cars</b>	24:23
5:10,14,	19:19,21,	36:1	21:16	37:25
17,19	22,24	<b>Calla</b>	<b>Carter</b>	<b>child</b>
7:22 8:8	<b>business</b>	24:9	19:9	36:4
9:3,4,8	22:1,3	<b>called</b>	<b>case</b>	<b>children</b>
12:17,18	36:20	9:14	35:21	35:12
13:1	39:1	10:22	38:9	<b>children's</b>
15:16	<b>busy</b>	11:4	<b>Cathy</b>	14:9
17:11	26:13	12:15	12:8	<b>chlorinated</b>
18:14	46:12	13:7 18:8	<b>caused</b>	9:14
21:15	<b>Butterworth</b>	24:14	28:3	<b>chosen</b>
22:4	5:24 6:7,	<b>cancer</b>	<b>Center</b>	28:18
23:24,25	8,12,18	15:13	3:17 4:7	<b>city</b>
24:3	7:11,13,	<b>cans</b>	<b>centuries</b>	2:9 4:2,
27:9,17,	14 13:22	34:13	28:13	4,21
19 28:5,8	14:16	<b>cap</b>	<b>certificati</b>	17:2,3
30:2	15:3	12:25	<b>on</b>	18:10
31:9,10,	17:13,16,	14:17,24,	26:22	21:22
14,15,18,	20,23	25 32:2	<b>challenge</b>	22:6
19,22	20:12	<b>capped</b>	34:15	37:11,15
32:7	30:7,10	13:1	<b>chance</b>	38:13
33:18,19	31:11,21	<b>capping</b>	28:20	46:15
34:9,19,	32:14,19	14:22	<b>classroom</b>	
22 35:2,3	33:10,25			
36:14,17,	34:2			
19,21	35:14,23			

24:22	<b>COMMENCED</b>	16,19	<b>concern</b>	<b>contained</b>
<b>clean</b>	2:1	47:15	5:12 9:6	9:24
18:15	<b>comment</b>	48:1,2	46:17	<b>contaminant</b>
25:7 26:9	27:15	<b>company</b>	<b>concerned</b>	<b>s</b>
28:22	28:17	15:20	5:9 19:3,	8:23 9:8,
35:20	29:5,10,	19:3 21:4	4	14 12:21
46:22	11,13,19	22:16	<b>concerns</b>	33:10
<b>cleaned</b>	36:16	<b>complaint</b>	12:24	41:6,22
23:11	<b>comments</b>	4:14	23:22	<b>contaminate</b>
35:17	24:10	<b>complete</b>	<b>conclusion</b>	<b>d</b>
46:23,24	29:2,12	33:1	8:6	25:10
<b>cleaning</b>	<b>commercial</b>	<b>completely</b>	<b>concrete</b>	37:23
27:18	33:9,16	33:22	13:1	38:8
34:12,14	34:1,6,8	<b>completion</b>	14:17	<b>contaminati</b>
<b>cleanup</b>	40:9	10:17	<b>condemn</b>	<b>on</b>
7:25 8:1,	<b>committee</b>	<b>compliance</b>	21:3	8:17
5 12:11	20:17	32:23	<b>condition</b>	23:24
14:23	<b>common</b>	35:16	13:14	26:9
<b>clear</b>	8:23,25	<b>compliant</b>	32:3	27:6,8
41:7	12:14	9:25	38:23	28:1,13,
45:13	34:23	<b>compound</b>	<b>conditions</b>	23 30:16
<b>climate</b>	<b>commonly</b>	28:7	6:14 7:20	34:18
47:19	9:14,15,	<b>compounds</b>	10:3,4,15	36:18
<b>club</b>	19 13:4	9:15	<b>conductive</b>	<b>contemplate</b>
18:9	33:12	45:16	38:18	45:20
<b>code</b>	41:1	<b>comprehensi</b>	<b>considerati</b>	<b>contend</b>
4:14	<b>communities</b>	<b>ve</b>	<b>on</b>	44:21
11:15	26:10	3:16 4:1	42:12	<b>contribute</b>
28:9	<b>community</b>	47:18	<b>consistent</b>	40:19
<b>Coia</b>	2:18 3:7,	<b>concentrati</b>	24:25	<b>control</b>
6:19 7:16	8 5:23	<b>on</b>	<b>constructed</b>	13:10
<b>collect</b>	11:8,19	34:24	9:4	15:1 23:1
41:21	14:3,11	40:24,25	<b>consultant</b>	30:22
43:7	20:10,11,	43:1	5:25 30:3	31:3 41:1
<b>collected</b>	13 23:16	<b>concentrati</b>	<b>contact</b>	<b>controlled</b>
8:16 9:5	25:2	<b>ons</b>	11:11,23	35:17
<b>combined</b>	27:25	39:13	12:7,22	<b>controls</b>
39:9	28:20	42:9	13:19	13:12
<b>combines</b>	37:14	<b>concept</b>	<b>contacts</b>	42:23
40:18	38:18	33:1	11:24	44:24
	41:14,15			<b>conversatio</b>
	42:16			<b>n</b>
	44:1,11,			

2:8 5:22	<b>cross</b>	<b>deliver</b>	<b>details</b>	<b>discuss</b>
<b>corner</b>	46:11	2:22	33:4	8:1 23:23
34:4	<b>cumulative</b>	<b>DEM</b>	<b>detection</b>	44:18
<b>corners</b>	42:16	4:14 7:23	34:5,20	<b>discussion</b>
37:6	<b>current</b>	11:7,11,	<b>detections</b>	2:24 3:18
<b>correct</b>	8:8 31:15	25 24:16	45:9	<b>district</b>
17:10,20,	_____	29:1	<b>develop</b>	3:13,19
23 40:14	<b>D</b>	37:4,6	41:17	<b>disturb</b>
<b>cost</b>	_____	<b>demonstrate</b>	<b>developed</b>	14:21
27:5	<b>damage</b>	<b>d</b>	9:20,22	<b>document</b>
<b>council</b>	31:25	10:6	17:1	40:1
18:8,11	<b>data</b>	<b>department</b>	21:24	<b>documents</b>
22:6	33:5	7:17,23	<b>developing</b>	13:8
<b>Councilman</b>	<b>day</b>	8:17 9:21	19:13	<b>dollars</b>
3:15	28:14	10:5,11,	<b>development</b>	27:20,21
<b>country</b>	35:10	23 11:3,	8:9	<b>door</b>
14:10	41:7,8	25 26:23	<b>differences</b>	21:2
25:11	<b>deal</b>	32:24	34:24	<b>DPW</b>
<b>couple</b>	27:12,23	36:5 44:6	<b>dig</b>	4:14
2:9 31:7	34:10	46:15	14:21	<b>draft</b>
<b>cover</b>	<b>dealing</b>	<b>depredation</b>	<b>diligence</b>	6:15 8:3
14:20	28:1	40:20	8:13,15	12:1
15:6	<b>decade</b>	<b>depressuriz</b>	<b>dilution</b>	26:14
<b>covered</b>	27:1	<b>ation</b>	35:2	<b>drafting</b>
14:17,24	<b>decisions</b>	12:15	39:16	41:14
<b>Covid</b>	48:1	26:18	<b>direct</b>	<b>drenching</b>
26:24	<b>decrease</b>	27:3 32:4	12:22	15:4
<b>Cranston</b>	35:4	<b>depth</b>	<b>directly</b>	<b>driving</b>
18:20	<b>deed</b>	4:25	14:12	2:21
21:23	13:9	<b>design</b>	34:4	<b>drop</b>
<b>create</b>	<b>deeply</b>	30:23	<b>Director</b>	31:1
21:4	4:20	31:22	2:15	<b>drops</b>
25:15	<b>defined</b>	33:4	<b>discharge</b>	32:10
<b>crisis</b>	45:8	39:10	39:11	<b>due</b>
25:19	<b>definition</b>	40:23	43:3	8:12,15
<b>criteria</b>	26:17	42:25	<b>discharging</b>	23:15,16
10:1	<b>degreasing</b>	43:15	43:18	<b>dumped</b>
<b>critical</b>	9:16	<b>designed</b>	<b>Discovery</b>	41:24
46:17	34:14	39:18	16:12	<b>dust</b>
		41:3		
		<b>detail</b>		
		26:16		

12:24	45:9	<b>environment</b>	<b>estimation</b>	<b>expense</b>
14:2,4,6,	<b>emergency</b>	<b>al</b>	41:11	21:5
18,20,21,	22:11	2:3,8	<b>evaluate</b>	<b>expensive</b>
24 15:1,	<b>emission</b>	6:1,9,14	41:25	27:19
3,15,16	47:13	7:14,17,	43:15	28:21
<b>dynamic</b>	<b>emissions</b>	20,24	<b>evaluating</b>	<b>experiences</b>
34:9	43:12	8:11,18	39:11	44:6
45:16	<b>end</b>	9:21	42:13	<b>expert</b>
	4:12 6:3	10:2,4,5,	<b>evaluation</b>	41:12
<b>E</b>		15 12:1	45:2	<b>experts</b>
	<b>endorse</b>	13:7	<b>exacerbatio</b>	25:22
<b>e-mail</b>	44:22	15:21	<b>n</b>	<b>explain</b>
11:15	<b>enforcement</b>	16:24	41:10,13	14:2
12:8	4:14	17:8,12,	<b>exact</b>	19:17
13:24	<b>engagement</b>	15 23:15,	12:19	<b>exposure</b>
<b>earlier</b>	5:23	18 24:15	<b>examples</b>	15:7
10:4 33:7	20:14	25:21,22,	44:8	30:19
<b>earth</b>	<b>engagements</b>	24 26:10,	<b>exceed</b>	35:11
20:25	5:4	22,25	39:14	45:5
<b>easy</b>	<b>engineering</b>	27:23	45:13,14	<b>exposures</b>
27:5	12:14	31:25	<b>exceedance</b>	42:21
<b>eat</b>	30:23	36:5	30:13	<b>extend</b>
45:19	31:3,10	39:25	<b>exceedances</b>	5:20
<b>Eddy</b>	33:4	41:24	30:12,17	<b>extensive</b>
4:22 6:17	<b>enormous</b>	<b>environment</b>	33:16	3:16
16:10	15:12	<b>ally</b>	<b>exceeding</b>	25:3,7
34:3	<b>enter</b>	5:11,17	10:1	<b>extremely</b>
<b>educated</b>	9:8	35:15	<b>exceeds</b>	45:16
29:24	<b>entering</b>	<b>environment</b>	43:16	
<b>effects</b>	12:18	<b>s</b>	<b>excuse</b>	<b>F</b>
35:10,13	34:19	9:1	19:24	
<b>electric</b>	<b>enters</b>	<b>EPA's</b>	20:8	<b>fabric</b>
21:4	35:3	28:10	21:11	13:4
<b>elements</b>	<b>entire</b>	<b>Espinal</b>	<b>Executive</b>	<b>faced</b>
41:13	15:10	3:15	2:15	34:15
<b>eleven</b>	47:10	<b>essentially</b>	<b>exhaust</b>	<b>facilities</b>
28:9	<b>entirety</b>	39:15,16	39:18,19	28:9
<b>eliminate</b>	33:17	<b>established</b>	<b>exist</b>	<b>fact</b>
43:17	<b>environment</b>	14:19	31:10,15	17:10
<b>eliminated</b>	2:6 8:14,	<b>estate</b>	43:9	21:14
	24 34:17	17:1		
		<b>estimate</b>		
		43:2		

27:7	<b>filter</b>	<b>focused</b>	40:18	16:9
<b>factor</b>	41:2	42:13	<b>full</b>	<b>give</b>
35:2	<b>filtration</b>	<b>folks</b>	3:18	2:25 3:23
<b>facts</b>	21:2	11:2,22	25:14	4:2,4,8,
21:12	<b>final</b>	44:3,18	33:5	13 5:5
<b>fails</b>	44:10	<b>follow</b>	<b>fully</b>	16:25
32:10	<b>find</b>	4:15	43:23	21:9
<b>faintly</b>	8:24	37:6,17,	<b>Fumes</b>	23:22
12:19	38:15	20 38:18	17:24	44:5,8
<b>fairly</b>	42:9	<b>follow-up</b>	<b>functioning</b>	<b>Globe</b>
45:9	<b>fine</b>	4:15,16	32:4	24:21
<b>falling</b>	33:22	<b>football</b>		<b>God's</b>
16:5	34:3	22:19		20:25
<b>familiar</b>	<b>Finishing</b>	<b>forecast</b>	<b>G</b>	<b>good</b>
9:10	28:7	43:1		2:13 6:7
24:12	<b>five-prong</b>	<b>forgot</b>	<b>garbage</b>	13:13
30:14	10:6	6:20	22:24	16:11
44:23	<b>fix</b>	<b>form</b>	<b>Garfield</b>	18:3,6
<b>family</b>	27:5,15	31:15	21:23	20:24
26:13	28:16	44:16	<b>gas</b>	21:1 32:3
<b>fan</b>	<b>fixable</b>	<b>found</b>	7:21 8:21	44:14,22
18:4	26:1,3	8:22	9:2,11	47:3
32:6,10	27:13	9:13,25	27:17	<b>Gordon</b>
33:6	<b>fixed</b>	10:4	30:11	43:22
<b>fast</b>	18:16	34:15,20	34:18	<b>Gorham</b>
7:10	46:25	39:2	45:22	24:19
19:12	<b>fixing</b>	<b>foundation</b>	<b>gate</b>	30:14,15
<b>fault</b>	28:15	13:2	21:17	<b>great</b>
27:10	<b>floor</b>	<b>frankly</b>	<b>geared</b>	24:5
<b>feasibility</b>	17:11,14,	19:3	45:2	47:24
29:14	17 18:13,	<b>freaking</b>	<b>general</b>	<b>green</b>
<b>feel</b>	15,16	22:12	7:19,23	20:25
47:8	33:22	<b>front</b>	10:1	<b>ground</b>
<b>feet</b>	34:3,25	11:14	<b>generally</b>	16:1 27:8
39:21	<b>floors</b>	13:23	8:11 10:8	30:21,24
<b>field</b>	9:24	37:19	11:5	41:25
41:12	33:20,21	38:19	<b>generate</b>	<b>groundwater</b>
<b>fifty</b>	34:7	<b>fugitive</b>	38:17	7:21 8:21
27:21	<b>flow</b>	41:13	<b>gentleman</b>	25:5
	43:1	<b>fugitives</b>	37:7	30:11,13,
			<b>girls</b>	18 34:17

<b>group</b>	36:24,25	<b>highly</b>	13:16	35:1
11:23	<b>headache</b>	32:8	14:1,14	<b>immanent</b>
<b>guess</b>	16:25	<b>history</b>	15:1,8	36:1
35:18	17:8,9	4:19 7:19	16:17,20	<b>immediately</b>
<b>guests</b>	<b>headset</b>	8:8 10:2	19:14,18,	32:11
47:24	7:6	<b>homeless</b>	23 20:2,7	46:14
<b>guide</b>	<b>health</b>	23:6	29:21	<b>imminent</b>
24:5	9:22	<b>homelessness</b>	30:6 31:6	36:1,7
<b>guidelines</b>	26:22,23,	<b>s</b>	35:7 39:4	<b>impact</b>
37:19	24,25	25:19	40:3 43:4	35:11,19
<b>guys</b>	40:20	<b>homes</b>	46:7	42:16
16:2	<b>healthwise</b>	15:19	47:1,23	<b>impacted</b>
	47:15	<b>honest</b>	<b>huge</b>	14:12
<hr/>	<b>hear</b>	20:19	21:5 36:6	45:23
<b>H</b>	6:23 7:9	<b>hope</b>	<b>human</b>	<b>impacts</b>
	14:3	46:5	9:22	28:4
<b>half</b>	18:17	<b>Hopkins</b>	30:19	<b>implement</b>
24:9	29:7	26:23	<b>hundred</b>	10:16
<b>hand</b>	<b>heard</b>	<b>Hospital</b>	27:20	<b>important</b>
2:11 3:1	6:8 22:14	23:7	<b>hydrocarbon</b>	3:11
7:6 45:21	<b>heat</b>	<b>host</b>	<b>s</b>	16:18
<b>hands</b>	38:21	28:1	8:25	32:1 45:4
20:13	41:9	<b>hot</b>	<hr/>	<b>improve</b>
25:22,25	<b>Hector</b>	41:7	<b>I</b>	25:6
<b>happen</b>	7:2	<b>hours</b>	<b>idea</b>	<b>improving</b>
24:2,3	<b>hell</b>	35:10	2:22	28:15
25:23	23:8	<b>House</b>	20:24	<b>in-depth</b>
38:15,17,	<b>helping</b>	16:12	21:1	5:22
20 39:15	47:4	<b>houses</b>	46:18,19	<b>INAUDIBLE</b>
45:20	<b>hesitation</b>	34:12	<b>ideas</b>	9:7 39:13
47:22	23:4	<b>housing</b>	2:23 4:4	42:17
<b>happened</b>	<b>high</b>	18:22,23	<b>identified</b>	<b>inches</b>
25:4,9	5:18 16:8	19:2	8:16,23	13:5
<b>happening</b>	19:2 21:2	25:17,18,	9:11	<b>included</b>
4:21 24:4	24:18	19	12:22	8:11
42:1	45:21	<b>Huertas</b>	24:24	30:11
47:11,13,	<b>higher</b>	2:13,15	<b>identify</b>	<b>including</b>
14	35:25	3:25 4:18	30:12	28:21
<b>hazard</b>	<b>highest</b>	6:6,20	41:23	<b>indoor</b>
36:1,2,7	14:9 35:1	7:8,12	<b>imagine</b>	7:22 8:21
<b>head</b>				

9:13,23	32:12	<b>invested</b>		
30:11	<b>insured</b>	41:16	<hr/>	<hr/>
34:16	32:13	<b>investigati</b>	<b>J</b>	<b>K</b>
35:16	<b>intent</b>	<b>on</b>	<hr/>	<hr/>
42:3,6,9,	11:6 19:1	7:25 9:2	<b>Jacob</b>	<b>keeping</b>
11 43:8	<b>interacting</b>	10:10,13,	6:8,18	38:20
45:6	42:21	21,22	7:14 17:6	<b>Kelly</b>
<b>industrial</b>	<b>interaction</b>	11:2,21	<b>jargon</b>	7:17
8:10 22:9	42:17	12:11	26:15	28:25
28:3	44:16	32:21,23	<b>Jennifer</b>	<b>Kelly's</b>
34:6,8	<b>interacts</b>	<b>involved</b>	6:19 7:16	44:6
40:9	42:18	26:8	<b>Jimmy</b>	<b>kid</b>
44:25	<b>interest</b>	30:20	19:9	19:7
<b>information</b>	19:2,5,7,	39:1	<b>Joe</b>	<b>kids</b>
3:24 4:8	10,11,12	<b>involvement</b>	7:15 16:7	16:8
11:9,11	<b>interested</b>	2:4 6:16	<b>Joe's</b>	26:13
23:23	3:23	8:3 10:18	23:7	46:11,16
24:1,4	46:14	11:4,6	<b>John</b>	<b>kind</b>
47:25	<b>interpret</b>	24:13	3:17 4:7	4:22 9:9,
<b>informative</b>	6:24	26:5,14	<b>Johns</b>	12 10:3,6
47:4	<b>interpreter</b>	27:4	26:23	17:22
<b>ingesting</b>	6:21 7:1,	29:4,9,	<b>Johnson</b>	20:20
12:23	2,4	12,18	15:14	24:13,25
<b>initial</b>	<b>interpretin</b>	32:17	<b>join</b>	25:7
10:19	<b>g</b>	44:1	11:23	26:15
<b>input</b>	7:3	<b>Island</b>	<b>joke</b>	27:5,22
4:3,4	<b>introduce</b>	9:19	25:8	33:19
<b>inquired</b>	6:21	22:17	<b>Joseph</b>	47:18
18:18	<b>intrusion</b>	24:15	6:19	<b>knocked</b>
<b>inside</b>	12:13	25:10	<b>Julien</b>	31:24
5:10	24:23	29:1	24:6,7,8	<hr/>
43:9,11	25:4,13	<b>islands</b>	26:3	<b>L</b>
<b>inspected</b>	30:19	41:10	27:14	<hr/>
13:12	34:21	<b>issue</b>	41:11	<b>lacquers</b>
32:2	41:23	4:11 9:12	<b>junior</b>	34:22
<b>instances</b>	42:3	28:12	16:8	<b>land</b>
9:25	43:24	39:17	<b>justice</b>	2:20,22
<b>institution</b>	45:3,4	<b>issued</b>	24:15	13:7 28:4
<b>ally</b>	<b>inventory</b>	29:16	26:10,25	37:11
13:10	28:10	<b>issues</b>	47:19	39:25
<b>insurance</b>		28:1		46:20
		31:24		



<b>landlord</b> 22:1	<b>level</b> 8:12 9:24 30:15 31:20 33:16,17 35:25 43:3 45:9,10	17:3 24:8 <b>lived</b> 15:11 <b>living</b> 15:10 19:6 36:9 <b>local</b> 10:20 11:18 <b>localized</b> 42:18 <b>location</b> 18:6 <b>long</b> 31:9,13 39:17 <b>long-term</b> 24:17 35:10,11, 13 <b>longer</b> 31:14 <b>lot</b> 2:25 5:4 9:9 10:7 11:5 12:25 13:17 14:3 15:18,19 17:1,4 18:14 19:13 21:2,15 26:15,16 30:22,23 36:13,18 37:1,22 38:3,11 41:9,10, 12 44:22 45:2,23 47:5,6,16	<b>louder</b> 6:11,12 7:10 <b>love</b> 17:2 48:2 <b>low</b> 19:12 45:9,17 <b>lowest</b> 27:5 <b>lungs</b> 14:8,9 <hr/> <b>M</b> <hr/> <b>machinery</b> 9:16 <b>machining</b> 8:12 <b>Mahr</b> 15:16 21:8,17 28:7 <b>mailing</b> 11:9 12:5,6 <b>main</b> 33:11 <b>maintained</b> 31:19 <b>maintenance</b> 40:2 <b>major</b> 22:18,19, 20,23 28:12 <b>make</b> 3:21 4:4, 16 5:16 11:4	13:12 16:6 18:8,9,10 19:6 20:18 21:7,20 32:2 36:23 38:12 47:8,12, 21 48:1 <b>makes</b> 30:2 44:22 46:16 <hr/> <b>management</b> 7:17,24 8:18 10:5 12:1 13:8 14:22 <b>manufacturi ng</b> 8:12 9:16 21:8 24:19 <b>Mashapaug</b> 25:6 <b>Massachuset ts</b> 9:20 36:5,8 <b>masters</b> 26:21 <b>matches</b> 42:10,11 <b>material</b> 34:14 <b>matter</b> 5:9,14, 15,19 9:5 <b>Mayor</b> 4:11
<b>landscaped</b> 14:19				
<b>landscaping</b> 13:3,4				
<b>larger</b> 41:17,19				
<b>largest</b> 18:3	<b>levels</b> 9:17 21:2 33:8,24 34:1 45:17,22			
<b>late</b> 3:11 8:15	<b>Library</b> 11:20			
<b>law</b> 23:16 25:12 37:3,6,17	<b>Lieutenant</b> 3:10			
<b>laws</b> 37:5 38:19	<b>life</b> 15:10 26:13 31:8			
<b>lawyer</b> 20:17	<b>limit</b> 40:5			
<b>lay</b> 8:7	<b>limits</b> 39:14 43:16			
<b>layers</b> 5:23	<b>Linda</b> 2:16 3:5 4:8 20:15 46:18			
<b>leading</b> 25:10				
<b>league</b> 22:18,19, 20,21,23 24:15	<b>list</b> 11:9,10, 22 12:5,6 13:21,25			
<b>learned</b> 44:2	<b>listed</b> 11:13 12:9 28:10			
<b>left</b> 3:20	<b>listen</b> 20:4			
<b>length</b> 31:18	<b>live</b> 3:3,4,21			
<b>letter</b> 29:16 32:25				

WASHINGTON PARK ASSOCIATION  
PUBLIC MEETING

October 04, 2023  
Index: meaning..officials

<b>meaning</b> 2:19, 21 5:11	<b>mess</b> 38:22	22:9	<b>neck</b> 23:7	<b>notificatio n</b> 7:24
<b>meaningful</b> 26:8	<b>metal</b> 14:5 22:23	<b>model</b> 28:18	<b>needed</b> 27:25	10:9, 19, 24 32:20
<b>means</b> 8:4	<b>metals</b> 8:24	<b>mom</b> 15:13	<b>negative</b> 12:17	33:2
<b>meant</b> 29:25 41:25 42:2	<b>methods</b> 15:2	<b>Monarch</b> 28:7	<b>neighbor</b> 23:5	<b>notified</b> 8:17 31:2
<b>measurable</b> 41:20	<b>mic</b> 2:19	<b>money</b> 18:14	<b>neighborhood</b> d 4:22 5:16 18:7, 24 20:1	<b>notify</b> 10:5
<b>mediums</b> 8:20	<b>micrograms</b> 36:8	<b>Monica</b> 2:12, 14 3:3, 14	<b>monitoring</b> 14:24 25:1 32:9	<b>number</b> 8:10 11:2 13:24 22:1 46:1
<b>meet</b> 35:17	<b>milestone</b> 11:13, 20	<b>monitors</b> 30:25	40:19 42:13	<hr/> o <hr/>
<b>meeting</b> 2:4 4:5, 6, 9 5:3 12:4 19:20 20:17 23:15	<b>mill</b> 23:14	<b>month</b> 25:1	<b>neighborhoods</b> 23:9	<b>occupant</b> 32:13
<b>meeting/ sage</b> 2:3	<b>million</b> 27:20	<b>months</b> 39:25	<b>neighbors</b> 42:20	<b>occupants</b> 16:11
<b>meetings</b> 3:20 5:3 11:8	<b>mine</b> 21:22 37:2	<b>mortgage</b> 19:5	<b>news</b> 24:21	<b>occupational</b> 26:22
<b>meets</b> 33:20	<b>minimal</b> 13:2	<b>move</b> 2:23 17:4	<b>night</b> 18:9 26:12	<b>occupied</b> 9:18
<b>member</b> 2:16 15:9 20:4 24:7 26:3 27:14	<b>minute</b> 21:11 26:4	<b>moving</b> 2:10	<b>non-stop</b> 24:25	<b>occupies</b> 31:1
<b>members</b> 7:15	<b>minutes</b> 43:4	<b>MU-75</b> 22:8, 9, 10	<b>norm</b> 2:20 3:8	<b>occupy</b> 33:17
<b>mentioned</b> 33:7	<b>miscommunic ation</b> 5:7	<b>multiple</b> 5:23	<b>norms</b> 2:18	<b>OCTOBER</b> 2:1
	<b>missed</b> 3:9, 22	<hr/> N <hr/>	<b>notice</b> 29:17	<b>off-gassing</b> 45:21
	<b>missing</b> 47:9	<b>names</b> 13:20	<b>notices</b> 10:20	<b>office</b> 12:8 36:20
	<b>mitigated</b> 39:7	<b>necessitate s</b> 40:25	<b>noticing</b> 26:17	<b>officials</b> 2:7, 9 10:20

<b>oil</b>	<b>organizatio</b>	2:1 4:6	38:3,11	15 22:12
20:24	<b>n</b>	48:3		23:22
28:7	24:14	<b>pages</b>		35:12
<b>older</b>	<b>organizing</b>	20:11	<b>parks</b>	38:21
19:8	24:18	<b>paint</b>	37:2	41:16
<b>one-pager</b>	<b>original</b>	17:22,24	8:15	<b>People's</b>
44:17	12:1	34:13,14	13:3,6	2:15
<b>ongoing</b>	<b>originally</b>	<b>Paolino</b>	24:10,14	<b>percent</b>
40:1	9:6	2:7 5:25	26:4 33:3	9:1 19:5,
<b>online</b>	<b>outlast</b>	6:18,19	38:12	7,10
3:22	31:10,18	7:15 8:13	39:10	33:18
<b>open</b>	<b>outline</b>	14:13	40:22	<b>perform</b>
15:25	13:11	16:15,18,	42:25	12:14
<b>opening</b>	<b>outreach</b>	22 17:14,	43:14,25	<b>period</b>
16:4	7:25	17,21,24	46:18	32:17
<b>operating</b>	<b>overly</b>	19:17,21,	<b>participate</b>	36:3
13:13	45:22	25 20:5,	11:7	<b>permitted</b>
<b>operational</b>	<b>overview</b>	22 21:6,	<b>passed</b>	35:9
32:4	3:16	11,14,18	15:12	43:24
<b>opinion</b>	7:19,23	22:13,16,	<b>past</b>	<b>perpetuity</b>
5:20	10:2	25 23:4,	10:12	31:23
<b>opinions</b>	<b>Owens</b>	12,17	33:2	<b>PERRI</b>
5:5	7:17	26:1	<b>Patricia</b>	2:2 3:10
<b>opportunity</b>	28:25	27:13	12:2	4:10
3:1 4:2	29:9,25	30:8	<b>pavement</b>	16:21
22:4	<b>owner</b>	36:12,23	13:2	20:16,23
<b>option</b>	17:1	37:24	<b>paying</b>	21:8,13,
30:2	20:18	38:2,6,9	19:6	17 22:8,
<b>options</b>	32:13	39:3	<b>PCE</b>	15,23
28:21	<b>owner's</b>	45:25	33:13	23:3,10
29:23	11:24	46:3,13	<b>PCES</b>	28:24
44:12,18	32:15	<b>park</b>	40:12	<b>person</b>
<b>order</b>	<b>owners</b>	2:3,5,17	<b>pedestrian</b>	2:19
5:4	27:10	3:4 15:10	46:11	4:12,13
<b>ordinance</b>	<b>owns</b>	21:4,7,20	<b>people</b>	18:8 23:1
20:17	31:1	26:11	5:4 6:23	47:6
<b>organic</b>	<b>p</b>	38:12	9:9 11:10	<b>perspective</b>
9:15 28:6		46:10,19	13:18,20	8:11
	<b>p.m.</b>	21:4,6,9,	15:12,14,	<b>petitioned</b>
		15,19	19 16:14	11:3
		36:13,18	17:4	<b>phase</b>
		37:1,22	20:3,12,	12:11

<b>phone</b>	13:8	<b>pollutants</b>	42:17	<b>pro</b>
13:23	14:23	42:19	<b>present</b>	25:18
<b>physically</b>	18:25	<b>polluted</b>	28:14	<b>problem</b>
12:23	21:1,5,25	37:11	<b>presentatio</b>	7:11 17:8
<b>pick</b>	24:13	<b>pollution</b>	<b>n</b>	23:6
14:6 30:5	26:14,18	28:13	8:6 24:5	25:21,24
45:18	27:4	<b>poly-</b>	<b>presented</b>	26:1,4
<b>piece</b>	29:4,9,	<b>aromatic</b>	29:23	27:12,18,
27:5	12,18	8:25	43:20	24 32:10
33:19	33:3	<b>Pond</b>	44:11,16	37:12,13
<b>piecemeal</b>	47:10,18	25:6	<b>presenting</b>	41:17,19
47:11	<b>plane</b>	<b>pop</b>	6:9,13	44:9
<b>pieces</b>	2:20,21,	15:17	29:5	<b>problematic</b>
41:18	22	<b>Port</b>	<b>president</b>	47:15
<b>pilot</b>	<b>planning</b>	2:16	19:10	<b>problems</b>
33:5	46:15	<b>portion</b>	<b>pressure</b>	16:24
39:22	<b>plans</b>	9:2	12:17	18:19
<b>pipe</b>	11:21	<b>pose</b>	30:25	<b>procedures</b>
16:1	<b>plant</b>	47:16	31:1	37:21
27:16	24:19	<b>position</b>	32:10	<b>process</b>
43:2	<b>plastic</b>	34:19	<b>pretty</b>	7:24 8:2,
<b>pipes</b>	15:7	<b>potential</b>	16:25	18 10:17
30:21	<b>playground</b>	9:7 40:24	39:20	11:7
43:16	37:16	<b>potentially</b>	42:8	20:10,11,
<b>pipng</b>	<b>plenty</b>	35:9,12	45:21	14 23:16
33:5	21:6	42:19	<b>prevent</b>	24:1,13,
<b>place</b>	<b>point</b>	43:15	12:17	17 26:5,8
15:25	5:8 14:22	<b>practice</b>	42:23	29:15
24:16	33:14,15	12:14	45:5	44:1
25:1,3	42:23	<b>Prairie</b>	<b>prevents</b>	<b>produces</b>
26:7	<b>points</b>	3:17 4:7	25:12	28:6
30:16	8:3 10:18	<b>preclusions</b>	<b>previous</b>	<b>producing</b>
32:2,18	44:14	17:12,15	20:18	28:10
37:13	<b>police</b>	<b>predicated</b>	27:10	<b>product</b>
<b>plan</b>	3:11,13	40:8	28:3	9:16
2:4 3:16	<b>policy</b>	<b>preliminari</b>	<b>primarily</b>	<b>products</b>
4:1,3	36:6	<b>ly</b>	17:2	34:11,12,
6:16 7:25	44:22	10:23	<b>printing</b>	13,23
8:4	45:2,7	<b>prepared</b>	34:22	<b>profiles</b>
10:13,14,	<b>politics</b>		<b>private</b>	43:20
16 11:4,6	38:25		15:19	<b>program</b>
12:1,4,9				29:16

32:25	7:6,18,23	10:14	13:17	12
<b>prohibits</b>	11:9	13:4 14:7	19:16,18	<b>read</b>
38:10	13:24	16:10	20:15	26:11,12
44:24	44:1	18:12	23:21,22	<b>Reagan</b>
<b>project</b>	<b>Providence</b>	19:1	24:11	19:10
6:18 7:9,	11:19	25:12	31:8 39:4	<b>real</b>
13 16:21	17:2	27:16	46:6,7	17:1
38:23	21:22	29:11	<b>quick</b>	30:18
<b>promised</b>	22:17	30:22,24	27:15	37:12
23:8	37:10	36:18	28:16	<b>realized</b>
<b>promoting</b>	<b>public</b>	37:15	47:1	36:2
4:11	6:15 7:25	39:23	<b>quickly</b>	<b>reason</b>
<b>proper</b>	8:3	43:14,16	2:23	24:24
37:20	10:18,24	<b>putting</b>	<hr/>	31:23
45:1	11:4,6,7	5:14	<b>R</b>	<b>Rec</b>
<b>properties</b>	24:13	11:20	<hr/>	3:17
2:7 5:25	26:5,6,	40:25	<b>Racine</b>	<b>receive</b>
6:19 7:15	14,21	42:23	12:8	29:12
8:13,14	27:4	<b>PVC</b>	<b>radius</b>	<b>recommended</b>
<b>property</b>	29:4,9,	27:16	28:8	27:4
6:14 13:9	11,17	30:21	<b>radon</b>	<b>record</b>
15:21	32:17	<hr/>	9:9	39:25
16:23,24	33:2	<b>Q</b>	12:19,20	<b>recorded</b>
17:2,6,25	43:25	<hr/>	<b>rain</b>	13:8
18:7,19	<b>publically</b>	<b>QR</b>	39:9	<b>redevelopme</b>
27:11	10:11	11:15	<b>raise</b>	<b>nt</b>
31:2	<b>pulling</b>	<b>quality</b>	3:1 7:6	44:25
32:14	27:2	5:13	<b>raised</b>	47:10
38:23	<b>pump</b>	<b>quantifiabl</b>	20:13	<b>referred</b>
40:20	27:17	<b>e</b>	<b>ran</b>	12:16
45:1	<b>pumping</b>	41:20	16:13,14	33:13
<b>proposed</b>	28:5	<b>question</b>	<b>range</b>	<b>regulation</b>
29:14,19	<b>purchase</b>	13:18	28:21	24:16
30:1,2,3	21:3	14:13	29:22	<b>regulations</b>
<b>Protection</b>	<b>purpose</b>	20:9	<b>ranges</b>	37:18
9:21 36:6	14:6	24:10,12	29:23	38:19
<b>protective</b>	<b>purposes</b>	28:18	<b>rate</b>	<b>reiterating</b>
9:22	8:10	35:6	14:9 43:1	23:20
<b>proud</b>	<b>pushing</b>	44:10	<b>rates</b>	
23:1	25:2	47:16	19:2,10,	
<b>provide</b>	<b>put</b>	<b>questions</b>		
	5:19,21	3:13 5:21		
		6:3,4		

<b>relationships</b>	<b>remember</b>	16, 23	25:10	
<b>P</b>	19:7, 8, 9	34:2, 6	28:25	<b>s</b>
43:9	<b>remote</b>	35:16, 17	<b>rigorous</b>	
<b>release</b>	30:25	36:7	25:11	<b>safe</b>
10:9	<b>removal</b>	40:10	<b>risk</b>	5:10, 11,
32:20	45:12, 24	<b>residents</b>	12:22	16, 17
34:16	<b>remove</b>	4:2 35:11	25:13	43:23
<b>releasing</b>	27:7	<b>resources</b>	30:18	44:20
28:11	<b>replaced</b>	27:24	41:24	<b>safety</b>
<b>relief</b>	31:24	<b>respectful</b>	<b>risks</b>	14:11
28:10	<b>report</b>	3:5	26:6	46:16
<b>remainder</b>	3:13	<b>response</b>	<b>road</b>	<b>Sage</b>
9:4	10:10, 17,	6:5 26:24	21:10	2:7 6:8
<b>remedial</b>	22 11:2	<b>responsibil</b>	45:15	7:14 12:8
10:13	12:11	<b>ity</b>	<b>rocks</b>	20:12
11:21	29:11	32:15	38:21	<b>sample</b>
33:3	32:21, 23	<b>responsible</b>	<b>Rollins</b>	34:4
43:12	<b>reports</b>	31:2	3:17 4:7	42:6, 10
47:18	11:13, 20,	<b>restriction</b>	<b>roofline</b>	43:8
<b>remediate</b>	21 12:6	13:7	39:20, 21	<b>sampled</b>
18:13	20:11	31:25	<b>room</b>	7:20, 21
26:20	<b>representat</b>	<b>Restriction</b>	47:17	8:19, 20
27:7 28:2	<b>ive</b>	<b>s</b>	<b>roughly</b>	9:10, 13,
37:9	7:16	40:1	33:18	23 33:20
<b>remediated</b>	<b>request</b>	<b>restructure</b>	<b>round</b>	34:20
17:18	47:21	<b>s</b>	10:24	<b>samples</b>
23:25	<b>require</b>	31:16	33:1 34:4	8:16 9:5
37:10	5:3, 23	<b>resulting</b>	<b>rub</b>	41:22
46:22	13:6, 11	34:18	45:19	42:25
<b>remediation</b>	39:12	<b>review</b>	<b>ruined</b>	43:7
25:3, 5, 14	<b>required</b>	8:14 29:2	37:14	<b>sampling</b>
27:18	20:2	<b>reviewed</b>	<b>rules</b>	43:13
32:17	23:16	33:1	6:22, 25	<b>save</b>
47:9	25:1	<b>rezoned</b>	37:18	6:2
<b>remediation</b>	<b>requirement</b>	18:11	<b>rumor</b>	<b>scan</b>
<b>s</b>	39:22	22:6, 7	22:21, 25	11:15
44:3	<b>requires</b>	<b>Rhode</b>	23:13	<b>scenario</b>
<b>remedies</b>	32:1	9:19	<b>run</b>	40:9, 10
13:6	<b>residential</b>	22:17	16:9	<b>scenarios</b>
<b>remedy</b>	10:1	24:15	<b>school</b>	30:22
29:14	33:9, 13,			
30:1, 3				

4:7,24	10:20	11:24	30:10,13,	<b>smaller</b>
5:1 16:8	11:15	41:15	14,15,16	41:18
18:6,10,	<b>sense</b>	<b>sidewalks</b>	32:1,21,	<b>soccer</b>
12 20:19,	30:2	13:2	23	22:19
23,25	44:23	<b>sign</b>	<b>site's</b>	<b>soil</b>
22:5,7	46:16	13:20,23	12:25	7:21
23:14	<b>set</b>	<b>sign-in</b>	14:16	8:20,21,
24:18,22	11:11	13:22	<b>sites</b>	22 9:2,5,
25:1,9,	<b>setting</b>	<b>signed</b>	25:13	11 12:21,
11,16	11:17	11:10	31:3	23,24
35:12	<b>shadows</b>	<b>significant</b>	39:24	13:5,8
37:16	20:24	31:16	44:8	14:22,23
38:10,14	<b>sheet</b>	<b>similar</b>	<b>siting</b>	27:8
43:23	13:19,22	42:9	25:12	28:11
44:20	<b>sheet's</b>	43:20	43:23	30:11,12,
45:1	16:5	44:8	44:21	17 34:17,
46:10,13,	<b>Shell</b>	<b>simple</b>	<b>situation</b>	18 45:10,
15	20:24	37:17,21	12:20	17,20,22
<b>school...</b>	28:6,7	39:2	15:6	<b>soils</b>
<b>okay.</b>	<b>shelter</b>	<b>Sims</b>	35:25	45:12,14,
21:9	4:23 5:1,	37:12	36:11	22,24
<b>schools</b>	7 16:7,	<b>single</b>	<b>situations</b>	<b>sold</b>
18:4,5	11,13	28:12	31:4	21:24
21:21	18:1,17,	30:24	<b>sizing</b>	<b>solution</b>
22:2	18 22:11	<b>Sir</b>	33:6	27:16
25:12,16	23:14	6:24	<b>skin</b>	<b>solutions</b>
<b>science</b>	25:17,18	<b>sit</b>	45:19	28:16
45:15	<b>short</b>	46:14	<b>slab</b>	<b>sophisticat</b>
<b>scrap</b>	36:2	<b>site</b>	9:4 12:17	<b>ed</b>
14:4	<b>shortcut</b>	4:24 6:17	31:17	32:8 41:2
22:23	28:16	7:19,25	<b>slide</b>	<b>sort</b>
<b>scrubbed</b>	<b>show</b>	8:2,8	10:6 11:5	32:6
40:13	18:25	10:2,9,	<b>slides</b>	41:15
<b>scrubbing</b>	<b>showing</b>	12,21,22	44:17	<b>sorts</b>
43:17	2:9	11:2,7,	<b>slowing</b>	12:24
<b>secondary</b>	<b>shut</b>	12,20	6:24	<b>source</b>
10:24	24:22	12:10,12,	<b>small</b>	42:5
<b>section</b>	<b>Sical</b>	25 13:10	15:6	45:7,8
38:6,8	3:10	24:24	17:18	<b>south</b>
<b>selected</b>	<b>side</b>	25:3,4,7,	18:13,16	41:15
26:19		10,25	28:8	<b>space</b>
<b>send</b>				

9:18	<b>spend</b>	21:1	<b>strip</b>	<b>supposed</b>
25:15,16, 17,18	35:10	<b>statement</b>	18:9	3:10
<b>spaces</b>	<b>spent</b>	36:23	<b>structural</b>	<b>system</b>
25:17	18:14	42:16	31:24	4:10
27:1	<b>spilled</b>	47:8	<b>structure</b>	12:15,19
<b>Spanish</b>	9:6 41:24	<b>states</b>	31:17	13:13
7:4,5	<b>spoiled</b>	25:11	<b>study</b>	26:18
<b>speak</b>	19:11	<b>stay</b>	42:18	27:3
3:1,2	<b>spoken</b>	20:9	<b>stuff</b>	30:20,21,
4:12 6:1,	46:8	31:23	13:18	24 31:21
4,22 29:8	<b>spot</b>	38:16	34:22,23	32:4,5,9
30:8	45:12,24	<b>stayed</b>	42:3	39:7,17
41:11	<b>SSDS</b>	17:5	43:10	40:25
45:25	12:16	<b>step</b>	<b>sub-slab</b>	43:13,14
<b>SPEAKER</b>	26:17	2:24,25	9:5,11	<b>systems</b>
6:11	28:18	10:8,9,	12:13,15	40:23
29:7,22	<b>St</b>	12,25	13:12	<b>sytem</b>
31:7,13	23:7	<b>steps</b>	26:18	43:1
32:12,16	<b>stacks</b>	10:7	27:3	<hr/>
33:7,23	42:24	<b>stitch</b>	30:11,20	<b>T</b>
34:1	<b>standard</b>	20:25	32:3	<hr/>
35:6,8,21	33:13	<b>stockpile</b>	34:25	<b>takes</b>
36:12,17	<b>standards</b>	15:6	45:6	30:22,23
37:22,25	5:18 8:22	<b>story</b>	<b>subject</b>	<b>taking</b>
38:4,7	9:19	18:17	20:9	32:7
39:6	35:17	24:21	<b>submit</b>	<b>talk</b>
40:4,12,	45:13,14,	<b>street</b>	10:17	2:12 4:23
15,17	18	4:22 6:17	33:3	5:12
41:5	<b>start</b>	15:14	<b>submitted</b>	6:11,12
42:15	10:8	16:10	10:10	8:4 14:10
43:19,25	13:18	18:20	11:1	19:15,25
44:10,15	16:4	21:3,7,	32:21	23:5
46:9 47:2	<b>started</b>	15,23	<b>suds</b>	41:23
<b>speakers</b>	8:18	24:9 34:3	15:17	44:13
7:8	<b>state</b>	36:13,14	<b>suggested</b>	45:3,6
<b>speaking</b>	3:2 6:24	38:5,12	38:11	47:20
2:20,25	37:5 42:8	46:10,12,	<b>suggestion</b>	<b>talked</b>
7:9 10:8	44:7	18,20	38:11	18:18
11:5	<b>state-of-</b>	<b>street alon</b>	46:12	<b>talking</b>
36:20	<b>the-art</b>	e	<b>sulfur</b>	30:17,18
<b>specific</b>		15:11	39:9	31:21
5:2,4				33:11
11:12				40:8,10



45:18	33:5	<b>thoughts</b>	<b>tonight</b>	<b>travels</b>
<b>tall</b>	<b>testing</b>	2:23	11:8	14:2
39:19	18:14	<b>thousand</b>	26:16	<b>treatment</b>
<b>tanks</b>	34:11	27:21	30:17	39:12
20:24	39:23	<b>three-story</b>	36:20	<b>triangular</b>
<b>tar</b>	40:22	17:11	47:3	33:19
14:5	<b>tetrachlori</b>	<b>threshold</b>	<b>top</b>	<b>trichloroet</b>
<b>TCE</b>	<b>de</b>	9:18	18:14	<b>hylene</b>
33:12	42:7	39:14	24:19	33:11,14
<b>TCES</b>	<b>tetrachloro</b>	40:5,7,11	25:9,12	35:24
24:23	<b>ethylene</b>	<b>thresholds</b>	<b>topic</b>	36:3,7
25:25	33:12,15	9:20	19:14	39:7
40:13	<b>tetramethyl</b>	<b>throw</b>	<b>tore</b>	<b>truck</b>
<b>team</b>	<b>ene</b>	32:6	23:7	14:7
6:18 7:13	34:9	38:21	<b>total</b>	<b>truth</b>
<b>technical</b>	<b>theory</b>	<b>throwing</b>	47:9	20:5,6
29:13	12:20	30:21	<b>totally</b>	<b>truthful</b>
<b>technique</b>	<b>There'</b>	<b>time</b>	44:22	20:8
12:20	10:19	2:11,20	<b>toxic</b>	<b>Tuesday</b>
31:4	<b>thing</b>	10:18	5:18	3:15
<b>techniques</b>	16:6	14:20	28:10	<b>tune</b>
32:22	23:13	15:17	<b>toxicity</b>	2:19
<b>telemetry</b>	32:6	19:8	35:25	<b>turn</b>
30:25	35:14	31:17	<b>toxins</b>	3:4 14:15
32:5	45:4	36:3 42:6	28:11	38:21
<b>telling</b>	46:21	44:21	<b>track</b>	<b>turns</b>
22:12	<b>things</b>	47:12	16:9	16:13
<b>tenants</b>	4:21 5:13	<b>times</b>	<b>tracks</b>	<b>type</b>
21:22	11:21	9:23 17:4	15:23	16:11
<b>Teri</b>	12:12	29:10	<b>train</b>	44:7
15:9 20:4	14:5,15	46:1	15:23	<b>types</b>
<b>term</b>	20:12	<b>today</b>	<b>transaction</b>	30:22
45:7,8	24:3	3:18	<b>s</b>	<b>typically</b>
<b>terminal</b>	28:22	4:20,24	8:13	39:21
28:6	29:20	5:9,13,22	<b>translate</b>	
<b>terms</b>	34:10	19:5	7:5	
24:3	35:5 44:2	20:10	<b>transparent</b>	
28:17	47:7,8	24:21	41:20	
<b>test</b>	<b>thinks</b>	<b>told</b>	<b>transported</b>	
	22:21	17:6,21	38:1	
	<b>thought</b>	22:13		
	30:23			
				<b>U</b>
				<b>underground</b>
				27:9

<b>underneath</b> 12:17 27:16 42:4	<b>upper</b> 9:24 34:25	<b>volatile</b> 9:15 28:6 45:15	<b>wealth</b> 27:22	13:14 14:23 26:25 28:14
<b>understand</b> 26:6 31:8 35:8 41:17 42:17,20 43:21 44:4 46:17 47:5,7	<b>urban</b> 9:1 14:18	<b>volunteers</b> 3:5,6	<b>weather</b> 41:8	<b>works</b> 4:16
<b>understandi ng</b> 26:20,21 27:2 44:3,17	<b>v</b>	<b>w</b>	<b>web</b> 11:12,13, 16	<b>wrap</b> 41:16
<b>UNIDENTIFIE D</b> 6:11 29:7,22 31:7,13 32:12,16 33:7,23 34:1 35:6,8,21 36:12,17 37:22,25 38:4,7 39:6 40:4,12, 15,17 41:5 42:15 43:19,25 44:10,15 46:9 47:2	<b>vacant</b> 38:16,20	<b>wait</b> 3:4 14:14 21:11	<b>weeks</b> 2:9	<b>wrapping</b> 39:5
	<b>valued</b> 27:19	<b>walk</b> 15:15 32:7	<b>weigh</b> 26:5 28:20	<b>writing</b> 13:18
	<b>values</b> 9:18 40:20	<b>walked</b> 24:8	<b>well- recognized</b> 31:4	<b>wrong</b> 16:10 17:10 32:11
	<b>vapor</b> 12:13 24:23 25:4,13 30:19 34:21 41:23 42:3 43:24 45:3	<b>wanted</b> 18:2 20:18 23:6	<b>wet</b> 15:4	<b>y</b>
	<b>vapors</b> 12:18	<b>wanting</b> 25:15	<b>windows</b> 38:22	<b>ya</b> 22:12
	<b>vegetative</b> 14:19	<b>wards</b> 3:20	<b>windy</b> 41:8	<b>year</b> 28:12 32:1
	<b>venting</b> 13:13 30:20	<b>warehouse</b> 18:1	<b>women</b> 36:4	<b>years</b> 15:11 19:12 23:6 24:14 25:7
	<b>versus</b> 23:14 33:9	<b>washed</b> 15:16	<b>words</b> 22:14	<b>yellow</b> 9:3
<b>unique</b> 35:24	<b>violating</b> 37:4	<b>Washington</b> 2:3,5,17 3:4 15:10 26:11	<b>work</b> 3:12 4:17 10:13 11:21 26:13 33:3 44:7	<b>younger</b> 19:8
<b>unsafe</b> 15:21	<b>VOCS</b> 30:13,17 34:10	<b>waste</b> 2:11	<b>worked</b> 24:16 26:23 44:4,6	<b>Yup</b> 33:25
<b>updating</b> 12:3		<b>water</b> 15:3 16:1 28:12	<b>workers</b> 14:11 36:19	<b>z</b>
		<b>ways</b> 26:7 47:16	<b>working</b> 12:2,23	<b>zip</b>

28:9

**zone**

47:19

**zoned**

18:21, 22

**zoning**

18:23, 24

37:13

38:18

## **ATTACHMENT 3**



# DRAFT PUBLIC INVOLVEMENT PLAN & ENVIRONMENTAL REVIEW

*1144 Eddy Street, Providence, RI  
October 4, 2023*



# AGENDA

- Introduction of the 1144 Eddy Project Team and Rhode Island Department of Environmental Management (RIDEM) Representative including the project owner.
- Provide an overview of the environmental conditions including:
  - Site history; and
  - Soil, groundwater, soil gas, & indoor testing.
- Provide an overview of the RIDEM regulatory process including:
  - Release Notification;
  - Public Involvement;
  - Site Investigation;
  - Remedial Action Work Plan; and
  - Cleanup.
- Discuss where the site is within the RIDEM process and the current Draft Public Involvement Plan (PIP).
- Discuss what the anticipated cleanup approach is.
- Conclusion of the presentation



# Meet The Team

*Paolino Properties*

*Joseph R. Paolino Jr.*

*Jennifer Coia*

*Al Buco*

*Property Owner Representatives*

*RIDEM*

*Kelly Owens, Associate Supervising Engineer*

*Regulatory Agency Over Seeing the Project*

*SAGE Environmental, Inc.*

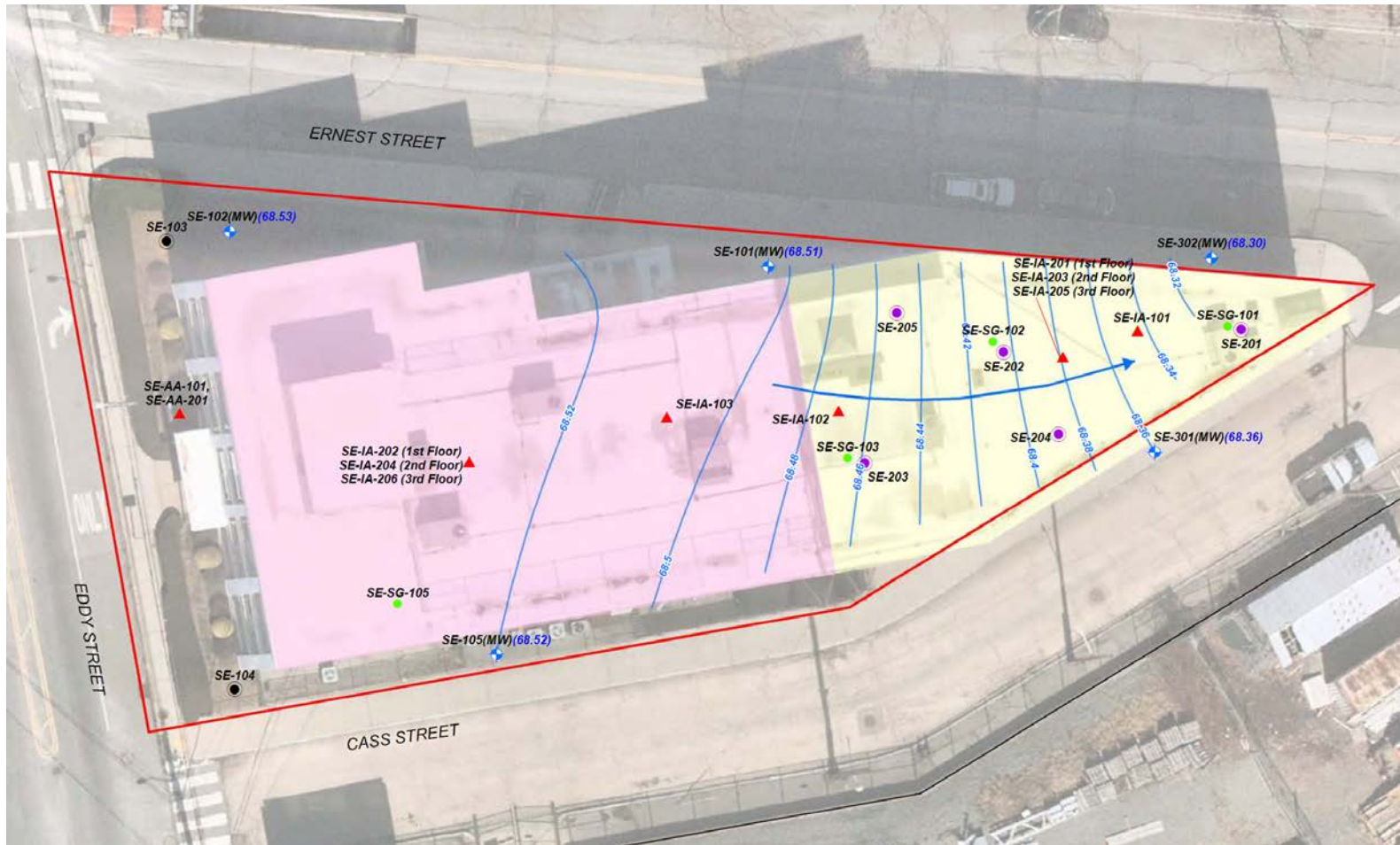
*Jacob H. Butterworth*

*Environmental Consultant Assisting the Owner*



# Site History

- Current structure built in 1925
- Construction – 2017, various industrial uses occurred including machining and manufacturing.
- During due diligence conducted by the current owner between later 2021 and 2022, a release to the environment was found and reported to the RIDEM.



## Soil Investigation Findings

Typical urban fill contaminants including arsenic, beryllium, and poly-aromatic hydrocarbons (PAHS)

## Groundwater Investigation Findings

No exceedances of applicable groundwater standards were found.

## Soil Gas Investigation Findings

Chlorinated volatile organic compounds identified most concentrated beneath the partial basement area. In general, area of low level (CVOCs) identified in soil.

## Indoor Air Investigation Findings

Within the partial basement CVOCs identified in excess of residential and commercial values. Upper floors found to be compliant with commercial level and most residential.



# ENVIRONMENTAL REGULATORY STEPS



# RIDEM PROGRAM REMEDIAL STEPS

# Draft Public Involvement Plan

***Draft Submitted to RIDEM and Distributed to the PIP Group by RIDEM August 16, 2023***

Plan developed to provide a public outreach program for site progress updates and also as a means of sharing information



Community Meetings



Information Repositories



- **Publicly Accessible Site File:** Publicly Accessible Site File: Files related to the Site are maintained at the Rhode Island Department of Environmental Management's (RIDEM's) Office of Waste Management filed under Former Federal Products Corp, RIDEM Site Remediation File No. SR-28-2076 (the "Site"). Appointments to view the files can be made by contacting Angela Spadoni of the RIDEM at (401) 222-4700, ext. 2777307, or via e-mail at [Dem.filereview@dem.ri.gov](mailto:Dem.filereview@dem.ri.gov).
- **RIDEM Document Listing Website:** <https://dem.ri.gov/environmental-protection-bureau/land-revitalization-and-sustainable-materials-management/state-15>  
Certain publicly available documents already filed with RIDEM on the investigation and remediation of the Site are maintained at this website, which RIDEM maintains. As certain public documents are filed on the investigation and remediation activities, they will be posted on this RIDEM website. The website can also be accessed using the QR Code provided here.
- **Local Informational Repository:** An informational repository at a Providence Community Library will be established once permission is granted. At this time, permission is being sought from the Washington Park Library located at 1316 Broad Street (telephone: 401-781-3136). The local information repository will contain copies of submittals included on the RIDEM website listed above. Electronic copies of these submittals are sent to the repository on a monthly basis. The Washington Park Library hours are Monday, Tuesday, Wednesday (9:30 a.m. to 5:30 p.m.), Thursday (1-8 p.m.), and Friday 1-5:30 p.m.). A notification will be sent to the mailing list with the location of the final repository.

# PIP Contacts and How to Join

The following personnel should be contacted with questions or concerns pertaining to the Site:

## **1144 Eddy Street, LLC**

Mr. Al Buco

100 Westminster Street

Providence, Rhode Island 02903

401-274-6611

## **Rhode Island Department of Environmental Management**

Ashley L. Blauvelt, P.E.

Environmental Engineer IV

RIDEM Office of Land Revitalization & Sustainable Materials Management

Site Remediation & Brownfields

235 Promenade Street, Providence, RI 02908

[ashley.blauvelt@dem.ri.gov](mailto:ashley.blauvelt@dem.ri.gov)

401.222.2797 x2777026

## **HOW TO JOIN THE MAILING LIST:**

1144 Eddy Street, LLC established a mailing list for the Site. The list includes abutting property owners, tenants, easement holders, and municipalities, as well as people who have previously provided their mailing address to 1144 Eddy Street, LLC. Interested persons can be added to this list via an email request to Cathy Racine at [cracine@sage-enviro.com](mailto:cracine@sage-enviro.com) with your name and address. 1144 Eddy Street, LLC will use the mailing list to distribute information about the Site on an as-needed basis.

# Anticipated Cleanup Approach

The overall remedial goal is to make the site residentially compliant through implementation of engineering controls including:

- *A sub-slab depressurization system (SSDS) to eliminate vapor intrusion*
  - Will be focused beneath the partial basement area where CVOCs have been found in soil as well as soil gas, and where indoor air concentrations have been found to be most centered. System will provide a negative pressure beneath the building to prevent vapor entry.
- *Site-wide cap to limit direct soil contact*
  - Will be comprised mostly by the existing building footprint and hardscapes (asphalt and concrete) and include a new landscape cap toward Eddy Street.
- *Filing of an Environmental Land Use Restriction (ELUR) and Soil Management Plan (SMP)*
  - Recorded on the property deed and will require annual inspection of noted controls and filing of inspections with RIDEM.

**Thank You**

An abstract graphic on the right side of the slide, composed of several overlapping, rounded shapes in various shades of blue and purple. The colors range from a light, pale blue to a deep, rich purple. The shapes are layered, creating a sense of depth and movement. The overall effect is a modern, clean, and artistic background element.

## **ATTACHMENT 4**

