



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 1

1 CONGRESS STREET, SUITE 1100
BOSTON, MASSACHUSETTS 02114-2023

CONTAINS ENFORCEMENT-SENSITIVE INFORMATION

MEMORANDUM

DATE: 20 August 2008

SUBJ: Request for a Removal Action at the Providence Barrel Site,
Smithfield, Providence County, Rhode Island
Action Memorandum – Second Addendum - Project Ceiling Increase and 12-Month Exemption

FROM: Edward J. Bazen, On-Scene Coordinator
for Emergency Response and Removal Section II

THRU: Steven R. Novick, Chief
Emergency Response and Removal Section II

Arthur V. Johnson III, Chief
Emergency Planning & Response Branch

TO: James T. Owens III, Director
Office of Site Remediation and Restoration

I. PURPOSE

The purpose of this Action Memorandum Addendum is to request and document a Project Ceiling Increase of \$605,000 and a 12-Month Exemption for the ongoing removal action at the Providence Barrel Site (the Site). The Site is located at 7 Oak Street in Smithfield, Providence County, Rhode Island. Additional characterization performed under the Action Memorandum signed on March 10, 2008, has identified site-related hazardous substances that have migrated to adjacent properties. On June 04, 2008, an Action Memorandum Addendum was signed to include the adjacent properties in the scope of the removal action.

This second addendum requests funds for remediation of additional properties, and subsequent disposal of contaminated soils. The total proposed project ceiling is \$1,969,000.00.

EPA and the Superfund Technical Assessment and Response Team (START) contractor conducted surface soil sampling on properties adjacent to the Site. Hazardous substances present in soils at adjacent residences, if not addressed by implementing the response actions selected in this Action Memorandum Addendum, will continue to pose a threat to human health and the environment. There are no nationally significant or precedent-

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

CONTAINS ENFORCEMENT-SENSITIVE INFORMATION

MEMORANDUM

DATE: 20 August 2008

SUBJ: Request for a Removal Action at the Providence Barrel Site,
Smithfield, Providence County, Rhode Island
Action Memorandum – Second Addendum - Project Ceiling Increase and 12-Month Exemption

FROM: Edward J. Bzenas, On-Scene Coordinator
Emergency Response and Removal Section II

THRU: Steven R. Novick, Chief
Emergency Response and Removal Section II

Arthur V. Johnson III, Chief
Emergency Planning & Response Branch

TO: James T. Owens III, Director
Office of Site Remediation and Restoration

I. PURPOSE

The purpose of this Action Memorandum Addendum is to request and document a Project Ceiling Increase of \$605,000 and a 12-Month Exemption for the ongoing removal action at the Providence Barrel Site (the Site). The Site is located at 7 Oak Street in Smithfield, Providence County, Rhode Island. Additional characterization performed under the Action Memorandum signed on March 10, 2008, has identified site-related hazardous substances that have migrated to adjacent properties. On June 04, 2008, an Action Memorandum Addendum was signed to include the adjacent properties in the scope of the removal action.

This second addendum requests funds for remediation of additional properties, and subsequent disposal of contaminated soils. The total proposed project ceiling is \$1,969,000.00.

EPA and the Superfund Technical Assessment and Response Team (START) contractor conducted surface soil sampling on properties adjacent to the Site. Hazardous substances present in soils at adjacent residences, if not addressed by implementing the response actions selected in this Action Memorandum Addendum, will continue to pose a threat to human health and the environment. There are no nationally significant or precedent-

CONCURRENCES

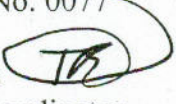
SYMBOL	ERR II						
SURNAME	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>			
DATE	08/26/08	8/26/08	8/28/08	9/28/08			

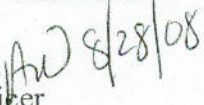
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND - REGION I
1 CONGRESS STREET, SUITE 1100 - HBR
BOSTON, MA 02114-2023

REQUEST FOR ERRS TASK MODIFICATION

Date: 20 August 2008 (revised)

Subject: Contract No. 68-W-03-037
Task Order No. 0077

From: Ted Bazenas 
On Scene Coordinator

Thru: Art Wing,  8/28/08
Project Officer

John Carlson,
Alternate Project Officer

To: Hillary Kelley,
Contracting Officer

Designated Alternate OSC: Brent England

617-918-1279

Please issue a modified task order for the time critical removal at the Providence Barrel Site located in Smithfield, Rhode Island. An Action Memorandum Addendum, signed 28 August 2008, added additional funds to the project ceiling. The new ERRS task order ceiling is \$1,285,000 and will be fully funded with this new task order modification. There have been no changes to the Statement of Work.

The following documents are attached:

1. Action Memorandum Second Addendum dated 20 August 2008
2. Procurement Request with Certified Funds
3. Independent Government Cost Estimate (IGCE) to support the PR

setting issues associated with this Site, and there has been no use of the OSC's \$200,000 warrant authority.

II. SITE CONDITIONS AND BACKGROUND

CERCLIS ID# : RID075699546
SITE ID# : 01EO
CATEGORY : Time Critical

A. Site Description

1. Removal site evaluation

(See Action Memo signed March 10, 2008 for additional information.)

On April 21 -24, 2008, EPA and START personnel conducted additional characterization of the extent of contamination by collecting soil samples for field analysis. Field screening results indicate that surface soil at 18-20 Esmond Street, and other abutting properties, are contaminated with metallic lead at levels above the criteria established by the State of Rhode Island for protection of public health on residential properties (150ppm lead in surface soils).

2. Physical location

The Providence Barrel Site is located 7 Oak Street in Smithfield, Providence County, Rhode Island in the Town of Smithfield, Tax Assessor's records as Plat 25, Lot 66B. The geographical coordinates, as measured from the center of the property are 41° 52' 32.7" north latitude, 71° 30' 8.2" west longitude.

The Site encompasses approximately 2 acres. Located in southern Smithfield within a mixed residential and commercial / industrial area, the former Providence Barrel facility is bordered on the north, east, and west by residential properties and on the south by a building, which was formerly the Parkinson Machinery and Manufacturing Corporation (Parkinson) and is now known as United States Granulator. The Woonasquatucket River is located approximately 700 feet east of the facility.

Abutting properties that have been impacted by the contamination from the Site include 14-16 Esmond Street, 18-20 Esmond Street, 22 Esmond Street, 11 Maple Ave, 13 Maple Ave and others in the immediate area. Investigation and soil sample

collection on additional residential properties is continuing. Ongoing excavation of the residential areas will require restoration of the property to its original condition. This may exceed the 12-month statutory limit due to periods with unfavorable growing conditions.

3. Site characteristics

The former Providence Barrel facility encompasses approximately 2 acres in the mixed residential / commercial neighborhood. The facility historically operated as a barrel reclamation facility from 1972 to 1980. The chemical composition and volume of material spilled or dumped on the property is unknown. Any buildings that existed on the property have been removed. The area consists of a sparsely vegetated open area and a cluster of trees on the west-southwest side of the property. The Woonasquatucket River is located approximately 700 ft east of the facility.

According to the EPA Region 1 Environmental Justice Mapping Tool, the Site is not in an environmental justice area.

4. Release or threatened release into the environment of a hazardous substance, or pollutant or contaminant

Hazardous substances that pose a threat of release include, but are not limited to, the following:

Hazardous Substances or Pollutants or Contaminants	Media	Range of Contaminant Levels in Soil Samples
Lead	Surface Soil	Up to 10,000ppm
Arsenic	Surface Soil	Up to 72ppm

5. NPL status

The Site is not currently on the National Priorities List, and has not received a Hazardous Ranking System rating.

B. Other Actions to Date

1. Previous actions

On April 01, 2008, a removal action was initiated by EPA. Equipment and personnel were mobilized to the site. The site was cleared of trees and underbrush. Security fencing was installed along the site perimeters. On April 21, 2008 EPA contractors began additional sample collection to define the extent of contamination. Prior to these dates, there had been no removal actions conducted at this site.

2. Current actions

Excavation of contaminated soils on the Site began on May 02, 2008 and continues to date, including residential excavation. EPA has been working closely with RIDEM on an extent of contamination survey, including investigation of whether contaminants from the Site may pose a public health threat via surface soils.

C. State and Local Authorities' Roles

1. State and local actions to date

RIDEM conducted several investigations at the Site. Their findings are summarized in the document titled *Final Expanded Site Inspection Report for the Providence Barrel Property, Smithfield, Rhode Island, CERCLIS NO RID075699546, prepared by RIDEM Office of Waste Management, dated July 28, 2005.*

2. Potential for continued State/local response

RIDEM has provided ARARs and will continue to provide technical support. Neither state nor local authorities have the resources to address the hazardous substances at the Site.

III. THREATS TO PUBLIC HEALTH OR WELFARE OR THE ENVIRONMENT, AND STATUTORY AND REGULATORY AUTHORITIES

A. Threats to Public Health or Welfare

(No changes have occurred in this section. Please refer to the Action Memorandum signed March 10, 2008 for additional information.)

B. Threats to the Environment

(No changes have occurred in this section. Please refer to the Action Memorandum signed March 10, 2008 for additional information.)

IV. ENDANGERMENT DETERMINATION

Actual or threatened releases of hazardous substances from this Site, if not addressed by implementing the response action selected in this Action Memorandum – Second Addendum, may present an imminent and substantial endangerment to public health, or welfare, or the environment.¹

V. EXEMPTION FROM STATUTORY LIMITS

A. Emergency Exemption

1. There is an immediate risk to public health or welfare or environment:

EPA and the Superfund Technical Assessment and Response Team (START) contractor conducted surface soil sampling on properties adjacent to the Site. Results have shown metallic lead at levels above the criteria established by the State of Rhode Island for protection of public health on residential properties (150ppm lead in surface soils). Hazardous substances present in soils at adjacent residences, if not addressed by implementing the response actions selected in this Action Memorandum Addendum, will continue to pose a threat to human health and the environment.

2. Continued response actions are immediately required to prevent, limit, or mitigate an emergency:

Continued response actions detailed below and in the Action Memorandum dated March 10, 2008 are being implemented on additional residential properties to protect public health, welfare, and the environment by removing the hazardous substances and the contaminated soils from the Site. The response actions detailed below include excavating, disposing of contaminated soils, and site

¹ "In accordance with OSWER Directive 9360.0-34, an endangerment determination is made based on relevant action levels, cleanup standards, risk management guidance, or other relevant information published and relied upon by the State of Rhode Island."

restoration. If these measures are not completed, there will be a continued impact to human health and the environment in the surrounding community.

3. Assistance will not otherwise be provided on a timely basis:

Neither the State nor local government has the resources to complete the Removal Action on their own as evidenced by the original request for assistance.

VI. PROPOSED ACTIONS AND ESTIMATED COSTS

A. Proposed Actions

1. Proposed action description

At this time, the owner on record continues to deny ownership of the property; therefore EPA will conduct this removal action as a fund lead action. The actions below were proposed in the Action Memorandum dated March 10, 2008 and will be implemented on abutting properties as well to protect public health, welfare, and the environment by removing the hazardous substances and the contaminated soils from the Site.

Removal actions will include:

1. Conduct additional sampling to further characterize the extent of contamination
2. Excavate and dispose of contaminated soils at EPA-approved disposal facilities
3. Construct a cap over contaminated soils that cannot otherwise be excavated
4. Backfill excavated areas with clean fill material
5. Repair response-related damage

2. Community relations

Since the Site is located within a residential neighborhood, EPA will remain involved with the community throughout the cleanup. EPA will coordinate closely with state and local authorities on community relation activities such as press releases, fact sheets, and public meetings. The OSC will be available at the Site during removal activities to address questions and concerns from the public. A public availability session was held at the local library on July 14, 2008.

3. Contribution to remedial performance

The cleanup proposed in this Action Memorandum is designed to mitigate the threats to human health and the environment posed by the Site. The actions taken at the Site are consistent with and will not impede any future responses.

4. Description of alternative technologies

The use of alternative technologies with regard to off-site disposal options will be examined as the Site progresses. On-site field screening and analytical techniques may also be utilized for on-site waste characterization.

5. Applicable or relevant and appropriate requirements (ARARs)

Federal ARARs:

40 CFR Part 264 Hazardous Waste Regulations - RCRA Subtitle C

40 CFR Part 403: General Pretreatment for Existing and New Sources of Pollution

Federal ARARs will be met to the extent practicable considering the exigencies of the situation. The OSC will coordinate with State officials to identify additional State ARARs, if any, and will meet, to the extent practicable, each ARAR identified in a timely manner.

The following, while not ARARs, will be complied with during the removal action:

29 CFR Parts 1910, 1926, and 1904: OSHA Health and Safety Regulations

40 CFR Part 262 Standards Applicable to Generators of Hazardous Waste:

Subpart B - The Manifest

262.20 : General requirements for manifesting

262.21 : Acquisition of manifests

262.22 : Number of copies of manifests

262.23 : Use of the manifest

Subpart C - Pre-Transport Requirements

262.30 : Packaging

262.31 : Labeling

262.32 : Marking

Subpart D - Recordkeeping and Reporting

262.40 : Recordkeeping

40 CFR Part 300.440 Procedures for Planning and Implementing Off-Site Response Actions (Off-Site Rule)

49 CFR Parts 171-179 : Department of Transportation Regulations for Transport of Hazardous Materials

6. Project schedule

The removal action was initiated on April 01, 2008. The majority of the removal action has taken place in the spring and summer of 2008. The overall removal action is anticipated to be completed within fourteen months.

B. Estimated Costs

COST CATEGORY	CURRENT CEILING	COSTS TO DATE	PROPOSED CEILING
<i>REGIONAL REMOVAL ALLOWANCE COSTS:²</i>			
ERRS ³ Contractor	\$985,000.00	\$900,000.00	\$1,535,000.00
Interagency Agreement	\$20,000.00	\$0.00	\$20,000.00
<i>OTHER EXTRAMURAL COSTS NOT FUNDED FROM THE REGIONAL ALLOWANCE:</i>			
START ⁴ Contractor	\$235,000.00	\$144,000.00	\$235,000.00
Extramural Subtotal	\$1,240,000.00	\$1,044,000.00	\$1,790,000.00
Extramural Contingency (10%)	\$124,000.00	\$0.00	\$179,000.00
TOTAL, REMOVAL ACTION CEILING	\$1,364,000.00	\$1,044,000.00	\$1,969,000.00

²This cost will be driven by the selected option(s). Should longer term options need to be implemented, additional funding may be required.

³Emergency Rapid Response Services

⁴ Superfund Technical Assistance and Response Team

VII. EXPECTED CHANGE IN THE SITUATION SHOULD ACTION BE DELAYED OR NOT TAKEN

In the absence of the removal action described herein, conditions at the Site can be expected to remain unaddressed, and threats associated with the presence hazardous substances will persist.

VIII. OUTSTANDING POLICY ISSUES

There are no precedent-setting policy issues associated with this site.

IX. ENFORCEMENT ... For Internal Distribution Only

The Enforcement Strategy remains unchanged. Please refer to the Action Memorandum signed on March 10, 2008 for additional information.

The total EPA costs for this removal action based on full-time accounting practices that will be eligible for cost recovery are estimated to be \$1,969,000.00 (extramural costs) + \$200,000 (EPA intramural costs) = \$2,169,000 X 1.33 (regional indirect rate) = **\$2,884,770.00**⁵.

X. RECOMMENDATION

This decision document represents an addendum to the Action Memorandum for the Providence Barrel Site in Smithfield, Rhode Island (signed on March 10, 2008), and is developed in accordance with CERCLA, as amended, and is not inconsistent with the

⁵Direct Costs include direct extramural costs \$1,969,000.00 and direct intramural costs \$200,000. Indirect costs are calculated based on an estimated indirect cost rate expressed as a percentage of site specific costs [33% x \$1,969,000.00], consistent with the full accounting methodology effective October 2, 2000. These estimates do not include pre-judgement interest, do not take into account other enforcement costs, including Department of Justice costs, and may be adjusted during the course of a removal action. The estimates are for illustrative purposes only and their use is not intended to create any rights for responsible parties. Neither the lack of a total cost estimate nor deviation of actual total costs from this estimate will affect the United States' right to cost recovery.

National Contingency Plan. The basis for this decision will be documented in the administrative record to be established for the Site.

Conditions at the Site meet the NCP Section 300.415 (b) (2) criteria for a removal action due to the following:

Actual or potential exposure to nearby human populations, animals, or the food chain from hazardous substances or pollutants or contaminants [§300.415(b)(2)(i)];

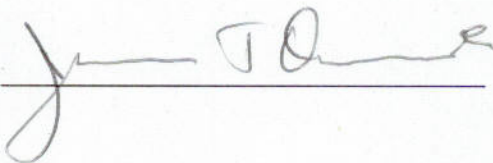
Actual or potential contamination of drinking water supplies or sensitive ecosystems [§300.415(b)(2)(ii)];

High levels of hazardous substances or pollutants or contaminants in soils largely at or near the surface, that may migrate; [§300.415(b)(2)(iv)];

The availability of other appropriate Federal or State response mechanisms to respond to the release; [§300.415(b)(2)(vii)].

I recommend that you approve this proposed addendum to the Action Memorandum. The proposed total removal action project ceiling is \$1,969,000.00.

APPROVAL: _____



DATE: _____

8/28/08

DISAPPROVAL: _____

DATE: _____