

U.S. ENVIRONMENTAL PROTECTION AGENCY  
POLLUTION/SITUATION REPORT  
Nutronics, Inc. - Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region V

**Subject:** POLREP #2  
Nutronics, Inc.  
B5XR  
Springfield, IL  
Latitude: 39.8237096 Longitude: -89.6426545

**To:** Fredrick Micke, U.S. EPA  
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**From:** Fredrick Micke, On-Scene Coordinator

**Date:** 5/19/2011

**Reporting Period:**

## 1. Introduction

### 1.1 Background

<b>Site Number:</b>	B5XR	<b>Contract Number:</b>	EP-S5-08-04
<b>D.O. Number:</b>	0029	<b>Action Memo Date:</b>	3/4/2011
<b>Response Authority:</b>	CERCLA	<b>Response Type:</b>	Time-Critical
<b>Response Lead:</b>	EPA	<b>Incident Category:</b>	Removal Action
<b>NPL Status:</b>	Non NPL	<b>Operable Unit:</b>	01
<b>Mobilization Date:</b>	5/3/2011	<b>Start Date:</b>	5/13/2011
<b>Demob Date:</b>		<b>Completion Date:</b>	
<b>CERCLIS ID:</b>	ILN000510496	<b>RCRIS ID:</b>	
<b>ERNS No.:</b>		<b>State Notification:</b>	
<b>FPN#:</b>		<b>Reimbursable Account #:</b>	

#### 1.1.1 Incident Category--

Time-Critical Removal Action at the Nutronics, Inc, Site in Springfield, IL.

#### 1.1.2 Site Description--

Nutronics, Inc. was a metal plating and metal finishing facility, which primarily manufactured circuit boards.

##### 1.1.2.1 Location

The Nutronics, Inc. Site is located at 1703 Peoria Road in Springfield, Illinois. The meridian coordinates for the Site are latitude 39° 49' 25.35" North and longitude 89° 38' 35.08" West. The Site contains an abandoned brick building with an area of approximately 8,000 square feet (ft<sup>2</sup>) that includes a small metal loft, an office in the northeast corner, and a partially walled workshop in the middle of the building's main floor. The building has a concrete floor, a second floor, and a basement. A gravel parking area is located on the west side of the property. The gravel parking area occupies approximately 1,000 ft<sup>2</sup>.

The Site is bordered by residential properties to the north, North Peoria Road (Business Route 55) and residential properties to the east, East Ridgley Avenue to the south, and North 9<sup>th</sup> Street and residential properties to the west. The Site is located in a mixed residential and commercial area.

##### 1.1.2.2 Description of Threat

The conditions at the Nutronics, Inc. Site present an imminent and substantial endangerment to the public health, welfare, and the environment and meet the criteria for a time-critical removal action provided for in Section 300.415 (b)(2) of the National Oil and Hazardous Substances Pollution Contingency Plan (NCP), as amended, 40 C.F.R. Part 300. The criteria include, but are not limited to the following:

**i) Actual or potential exposure to nearby human populations, animals, or the food chain from hazardous substances or pollutants or contaminants.**

The nature of many of the container contents poses a potential exposure hazard to trespassers and first responders.

Site assessment sample analytical results indicate that hazardous wastes (for ignitability, corrosivity, and TCLP lead) are present at the Site, supporting the finding of the IEPA site assessment from March 2010. Because the drums and containers observed during the site assessment were in poor condition and evidence of past spills was observed, the threat of exposure of nearby populations and the environment exists.

**ii) Hazardous substances, pollutants, or contaminants in drums, barrels, tanks, or other bulk storage container that may pose a threat of release.**

The Site contains over 100 drums, vats, and other miscellaneous containers. During the site assessment, some drums and containers were observed to be in poor condition, open, and improperly labeled, with visible evidence of past spills. The threat of future release therefore is high. Site assessment sample analytical results indicate that hazardous wastes (for ignitability, corrosivity, and TCLP lead) are present at the Site.

A release of materials from the Site is possible because of the potential for trespassing, fire, and impacts from storm water. Trespassers could cause a direct release of contaminants or a fire and subsequent dispersion of airborne contamination or contamination through fire-suppression water runoff. In addition, during the site assessment, it was observed that the building's compromised roof, a window well, and a deteriorating east exterior brick wall could allow storm water to enter the building, potentially causing contaminants to migrate off-site through overland flow. Public areas near the Site could be exposed to potentially hazardous materials if contaminants migrate off-site.

**iii) Weather conditions that may cause hazardous substances or pollutants or contaminants to migrate or be released.**

Springfield receives an average yearly precipitation of 35.56 inches and an average yearly snowfall of 24.6 inches. Temperatures ranged from 96 to -9 °F in 2009. The freeze-thaw cycle could result in further deterioration of the drums, vats and containers, as well as the Site building, especially the leaking roof and deteriorating east exterior brick wall, making conditions at the Site more dangerous.

**iv) Threat of fire or explosion.**

U.S. EPA and IEPA site assessment sample analytical results both indicate that ignitable hazardous wastes are present at the Site. Other small containers that were not sampled could contain flammable materials. Based on the disrepair of the Site building, these flammable liquids could interact with strong oxidizers or be affected by the actions of vandals or trespassers present at the Site; therefore, the threat of fire or explosion exists at the Site.

**1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results--**

See above

**2. Current Activities**

**2.1 Operations Section**

**2.1.1 Narrative--**

The Nutronics, Inc. Site is located at 1703 Peoria Road in Springfield, Illinois. The meridian coordinates for the Site are latitude 39° 49' 25.35" North and longitude 89° 38' 35.08" West. The Site contains an abandoned brick building with an area of approximately 8,000 square feet (ft<sup>2</sup>) that includes a small metal loft, an office in the northeast corner, and a partially walled workshop in the middle of the building's main floor. The building has a concrete floor, a second floor, and a basement. A gravel parking area is located on the west side of the property. The gravel parking area occupies approximately 1,000 ft<sup>2</sup>.

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Nutronics, Inc. was a metal plating and metal finishing facility, which primarily manufactured circuit boards.

The conditions at the Nutronics, Inc. Site present an imminent and substantial endangerment to the public health, welfare, and the environment and meet the criteria for a time-critical removal action provided for in Section 300.415 (b)(2) of the National Oil and Hazardous Substances Pollution Contingency Plan (NCP), as amended, 40 C.F.R. Part 300.

**2.1.2 Response Actions to Date**

The Removal Action started on May 3, 2011. Drums and bottles have been collected and sorted. Hazcatting of the materials began on May 5. The characterization and containerization of wastes as completed on May 11. The roll-off box was filled with non-hazardous waste on May 12.

### 2.1.3 Enforcement Activities, Identity of Potentially Responsible Parties (PRPs)

For administrative purposes, information concerning the enforcement strategy for the Site is contained in the Enforcement Confidential Addendum.

### 2.1.4 Progress Metrics

<i>Waste Stream</i>	<i>Medium</i>	<i>Quantity</i>	<i>Manifest #</i>	<i>Treatment</i>	<i>Disposal</i>

## 2.2 Planning Section

### 2.2.1 Anticipated Activities

Conduct a time-critical removal action to mitigate threats to public health, welfare, and the environment at the Nutronics, Incorporated (Inc.) Metal Finishing Site in Springfield, (Sangamon County), Illinois. The response action is necessary to address the release and the threat of future releases of hazardous materials at the Site and to residential areas adjacent to the Site.

#### 2.2.1.1 Planned Response Activities

- 1) Prepare a work plan that includes tasks and time line for the activities as well as a site Health and Safety Plan addressing continuous monitoring of airborne contaminants and dust control measures and a Site Emergency Contingency Plan;
- 2) Develop and implement a Site Security Plan;
- 3) Inventory and perform hazard characterization on all substances contained in containers, drums, vats, sweepings, unknown materials, and tanks;
- 4) Dismantle and decontaminate process equipment, tanks/vats, associated piping, and building components associated with the product process areas, as necessary;
- 5) Consolidate and package all hazardous substances, pollutants and contaminants for transportation and off-site disposal;
- 6) Properly address any additional hazardous waste and/or materials identified during the removal action.
- 7) Transport and dispose of all characterized or identified hazardous substances, pollutants, wastes, or contaminants that pose a substantial threat of release at a RCRA/CERCLA-approved disposal facility in accordance with U.S. EPA's Off-Site Rule (40 CFR § 300.440); and
- 8) Take any other response actions to address any release or threatened release of a hazardous substance, pollutant or contaminant that the EPA OSC determines may pose an imminent and substantial endangerment to the public health or the environment.

#### 2.2.1.2 Next Steps

Clear debris from the facility, inventory, segregate waste systems and begin staging materials for disposal.

#### 2.2.2 Issues

There are no known community or congressional issues concerning this Site.

## 2.3 Logistics Section

The office trailer setup has been completed and equipment needed to date has been delivered. Electricity to the facility has been restored.

## 2.4 Finance Section

No information available at this time.

## 2.5 Other Command Staff

### 2.5.1 Safety Officer

The Health and Safety Plan is complete. Safety issues will be addressed as they are discovered.

### 2.6 Liaison Officer

Illinois Environmental Protection Agency (IEPA) and the City of Springfield have been notified of the removal start.

### 2.7 Information Officer

### **2.7.1 Public Information Officer**

PIO has not been assigned to this Site.

### **2.7.2 Community Involvement Coordinator**

CIC has not been assigned to the Site.

## **3. Participating Entities**

### **3.1 Unified Command**

All Unified Command positions are held by the On-Scene Coordinator. USEPA Fund-Lead Removal Action.

### **3.2 Cooperating Agencies**

City of Springfield  
IEPA

## **4. Personnel On Site**

1 On-Scene Coordinator  
1 START Weston  
1 Response Manager  
1 Field Cost Accountant  
1 Chemist and 3 Cleanup Techs.

## **5. Definition of Terms**

N/A

## **6. Additional sources of information**

### **6.1 Internet location of additional information/report**

Refer to [www.epaosc.org/nutronicsinc](http://www.epaosc.org/nutronicsinc)

### **6.2 Reporting Schedule**

Additional Reports will be issued approximately every 2 weeks.

## **7. Situational Reference Materials**

Refer to the EPA OSC website under document links for this Site.