INFORMATION NEWSLETTER
LEAD CONTAMINATION INVESTIGATION
Attica, Fountain County
November 2011

INTRODUCTION

The purpose of this newsletter is to inform Attica residents of the soil sampling investigation C&D Technologies will conduct in the neighborhood near its facility at 200 Main Street, Attica, Indiana. The reason for the sampling is to assess the levels of lead present in soil. Lead battery manufacturing has been conducted since 1955 at the nearby C&D Technologies, Inc. facility. A map of the Phase 1 study area and the proposed soil sample locations (see Figure 1) are included in this newsletter.

This newsletter summarizes the sampling investigations that C&D Technologies have completed to-date as part of the requirements of an agreement with the United States Environmental Protection Agency (EPA) to determine whether any releases of hazardous substances from C&D Technologies' Attica facility may pose a threat to human health.

This newsletter also discusses C&D Technologies' residential soil investigation, proposes a testing schedule and gives an overview of public health information pertaining to lead exposure.

If you have any questions or concerns about this investigation, please refer to the Key Contacts provided at the end of this newsletter.

INVESTIGATIONS TO-DATE AND FINDINGS

In 2008, C&D Technologies presented to the US Environmental Protection Agency (EPA) results of a soil investigation in the rights-of-ways (utility easement areas) in the residential area immediately downwind and adjacent to the C&D Technologies facility. A total of 21 samples, from the top foot (12 inches) of soil, were collected and analyzed. Three samples exceeded the Indiana Department of Environmental Management (IDEM) residential screening value for lead (400 mg/kg). When compared to the mean lead concentration collected from the remaining 18 samples, however, the IDEM residential screening values were not exceeded for the rights-of-way exposure area.

PROPOSED TESTING

In June 2011, EPA determined that because the 2008 soil samples were collected exclusively from the rights-of-way and utility easements in the residential areas and not from more typical exposure areas such as gardens, yards, and play areas, the agency was unable to conclude that the lead levels in the surface soil in the yards and play areas also were protective of the residents. Therefore, EPA requested that C&D Technologies take soil samples from yards and play areas to ensure those soils did not exceed lead screening levels. C&D then contracted URS Corporation (URS) to collect additional soil samples on the actual homeowners' properties (not in easement or town-owned rights of ways) to focus on areas of likely soil exposure.

During the soil sampling investigation, approximately 2 to 3 sets of 5 soil samples will be collected from 2 depth intervals at each homeowner/tenant's property (Figure 2); generally, one sample consists of approximately 8 oz of soil. URS anticipate that the soil sampling should take 3 hours (maximum) per property.

To the extent possible, surface vegetation will be removed prior to the sample collection. A top surface "plug" of vegetation will be removed prior to advancing the trowel and collecting the samples from 0 to 2 inches, and from 2 to 6 inches. Flowers, shrubs and bushes should remain undisturbed, as sample locations should be in open areas that are easily accessible. Once the soil sampling is complete, URS will replace the soil taken from the hole with potting soil (or similar commercially available soil) then replace the top "plug" that was initially removed. There will be no ruts or holes on the homeowner/tenant's property.

PROPOSED SCHEDULE

URS will mail each of the homeowners/tenants this newsletter explaining the proposed soil sampling investigation. URS will then go door-to-door asking neighborhood residents for access to property and to give URS Corporation a signed Access Agreement Letter. The door-to-door soliciting will also be an opportunity to answer questions or concerns the landowner/tenant may have. URS will work with the landowners/tenants to:

• Provide the landowners/tenants sufficient notice regarding the soil sampling activities to prevent schedule conflicts and

• Obtain written authorization to sample soils at each respective property and take photographs to document the sampling work.

URS is proposing to begin residential solicitation in November 2011. Dependent upon residents' responses and consents for access to property, URS is proposing to begin soil sampling sometime in early December 2011. Sample analysis and reporting of results should be complete by April 2012.

PUBLIC HEALTH INFORMATION

The mere presence of a chemical or a metal like lead does **not** mean that the chemical can cause harm. Lead exposure can occur from contact with lead in air, household dust, soil, water, and commercial products. It is necessary for a person to be exposed to that chemical or metal for it to have a possible effect. Also, the age of the person exposed, how long and to how much of the chemical a person is exposed to, and by what exposure route are factors that determine whether that person is affected. Lead does occur naturally but concentrations in soil can increase due to its use. Soil and dust near lead industries, which use lead in production processes or release lead emissions into the air, may contain higher than normal levels of lead. The most common source of lead in residential soils is lead-based paint, which was banned in the 1970s but may be present in homes built before that time. Lead also was an additive in gasoline, but that use was stopped in the 1980s to improve air quality and protect human health. Other potential sources of lead include hobbies such as jewelry- or stained-glass-making, ceramic ware, imported painted toys, lead solder in pipes or electronics, lead shot in shotgun shells and fishing sinkers. Lead is known to cause learning and behavioral problems in children. Lead can cause high blood pressure and affect the kidneys in adults. People concerned about their children or themselves being exposed to harmful levels of lead should have their blood lead levels checked. For more information, please contact:

Indiana State Department of Health
Environmental Epidemiology Section
2 N. Meridian Street, Section 3-D
Indianapolis, IN 46204
(317) 351-7190 Ext. 262

FOR MORE INFORMATION

1. Key Health Hotlines:
EPA: 1(800) 424-LEAD [5323]
State: Indiana State Department of Health
Environmental Epidemiology Section
2 N. Meridian Street, Section 3-D
Indianapolis, IN 46204
(317) 351-7190 Ext. 262
City: Officer Sean Sharma
113B West Sycamore Street
Attica, Indiana
Phone: (765) 762-3035
Fax: (765) 762-6520

2. Key Contacts:
Walter Kozlowski
C&D Technologies, Inc., Director - Environment, Health and Safety,
Tel: (215) 619-7886

Bhooma Sundar
US EPA - RCRA Corrective Action
Tel: (312) 886-1660

Residents may view RCRA Investigation reports and related material at the Attica public library.

Legend

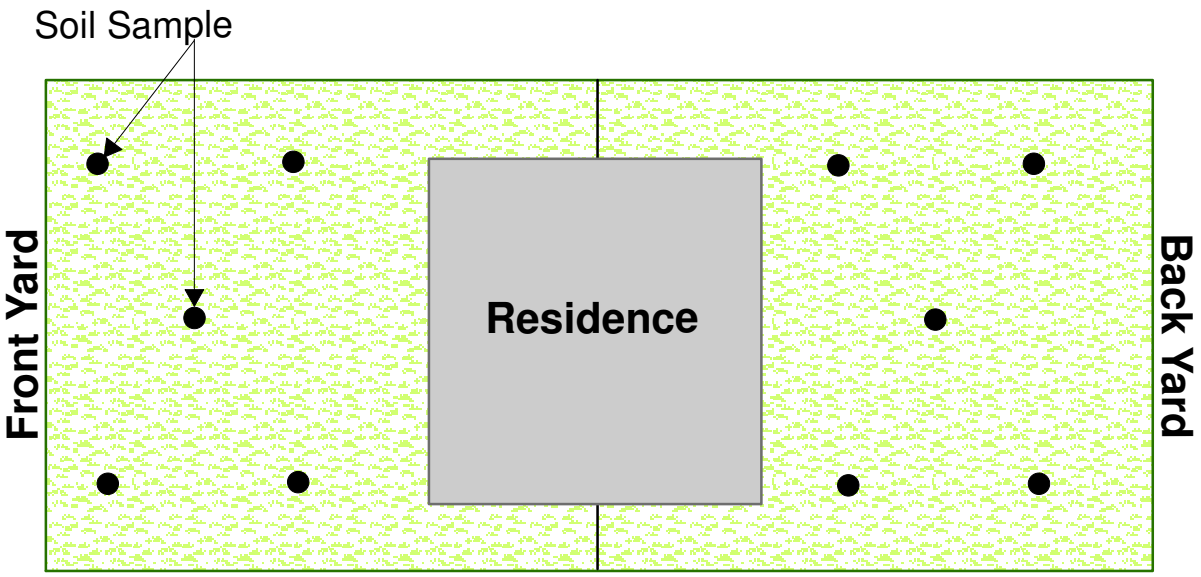
- Proposed Phase 1 Study Area
- C&D Technologies Boundary

FIGURE 1
PROPOSED STUDY SITE

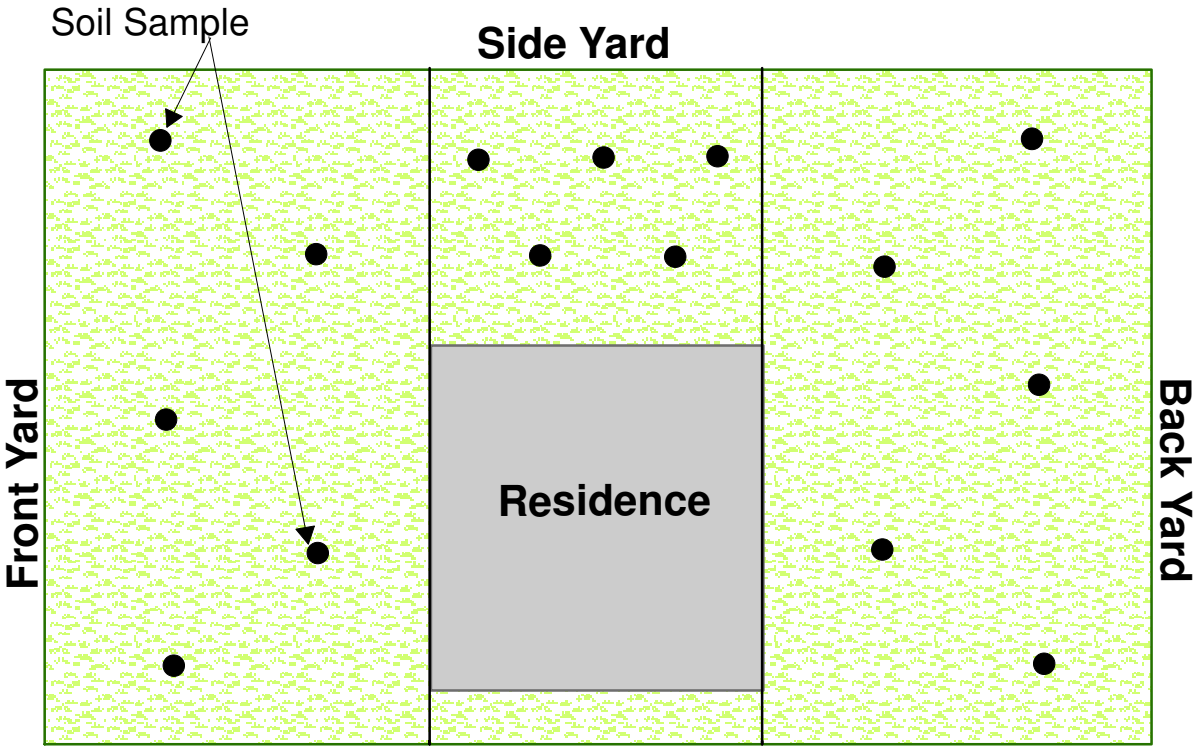
0 25 50 100 Meters

N

Example of 10 Sample Location



Example of 15 Sample Location



C & D TECHNOLOGIES, INC. 200 West Main Street Attica, Indiana	URS Franklin, Tennessee			PROPOSED SAMPLING LOCATIONS	PROJECT NO: 20500205 .00001
	SCALE: NTS	DRAWN BY: JB	DATE: 11/1/11		FIGURE NO: 2
		CHECKED BY: JW	DATE: 11/1/11		
	G:/C_D_Technologies/deliverables/8x11_Sampling Schematic				

Consent for Access to Property

Attica Residential Soil Sampling Sites
Attica, Indiana

Name:
Address of Property:
Is Property a rental Property? (please circle answer) Yes No
Owner Contact Information:
Owner's Mailing Address (if different from Property Address above):
_____
_____
Home Phone: _____ Work Phone: _____
Cell Phone: _____ Email: _____

Please Check One Box:
☐ I am not prepared to allow access without further information.
☐ I consent to employees and authorized representatives of URS Corporation and the United States Environmental Protection Agency entering and having continued access to this property for the following purposes:

- Conducting soil sampling activities;
- Taking photographs to record the sampling process; and
- Conducting a second round of soil sampling if needed based on initial findings.

Do you want the ability to observe? (please circle answer) Yes No
Do you want the results of the sampling? (please circle answer) Yes No

URS Corporation has explained that these are undertaken in general accordance with Section 4.0 of the "Superfund Lead – Contaminated Residential Sites Handbook."

I also understand that these activities will be conducted at no cost to the property owner and/or resident.

I give this written permission voluntarily with knowledge of my right to refuse and without threats or promises of any kind.

_____ _____
Date Print Name

_____
Owner Signature

PLEASE RETURN THIS FORM TO:
Walter Kozlowski
C&D Technologies, Inc.
200 West Main Street
Attica, Indiana