



# FACT SHEET

## Voluntary Cleanup Program

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**Bloody Brook**

**April 2011**

**Site Number V00501-7**

**Town of Salina and Village of Liverpool, Onondaga County, NY**

### **Investigation to Continue at Voluntary Cleanup Program Site**

In July 2002, the New York State Department of Environmental Conservation (NYSDEC) and Lockheed Martin Corporation (Lockheed Martin) entered into a Voluntary Cleanup Program agreement for the investigation and remediation of Bloody Brook. The area of interest is located from just south of the New York State Thruway to the Onondaga Lake Parkway in the Town of Salina and Village of Liverpool, Onondaga County (area location map attached).

Lockheed Martin will complete the additional soil sampling activities described in an investigation work plan that has been approved by NYSDEC under New York’s Voluntary Cleanup Program. The investigation work plan is available at the locations identified below under “Where to Find Information”. The investigation work plan also is available on the NYSDEC web site at <http://www.dec.ny.gov/chemical/37558.html>.

#### **Highlights of the Site Investigation**

The site investigation has been developed in order to define the extent of cadmium in the soil, and to provide information to support the development of a proposed remedy to address the cadmium. Approximately 740 soil samples will be collected and submitted to an environmental laboratory, of which over 700 are from residential areas.

For those interested in greater detail on the soil sample locations, please visit the repositories listed in “Where to Find Information”, stated below.

Sampling is scheduled to commence during the spring of 2011 and last approximately seven (7) weeks.

#### **Next Steps**

When the investigation is completed, Lockheed Martin will prepare and submit a report that summarizes the results of the investigation. Following the submittal of the summary report, Lockheed Martin will evaluate all of the site data, and prepare and submit a “Remedial Action Work Plan”. The goal of the plan is to describe the actions that will be performed to clean up the site to protect public health and the environment. NYSDEC and the New York State Department of Health (NYSDOH) will review the draft cleanup plan to determine if the plan is acceptable. Once the draft cleanup plan is determined to be acceptable, NYSDEC will present it to the public

for its review and comment during a 30-day comment period.

NYSDEC will keep the public informed throughout the investigation and cleanup of the site.

### **Background**

Bloody Brook flows through a residential area, which includes single family homes, duplexes and an apartment complex; commercial and light industrial areas; and ultimately discharges to Onondaga Lake. The area is served by public water and sewer.

In April 1997, Lockheed Martin, with NYSDEC oversight, commenced a sediment removal project in the West Branch of Bloody Brook. The project included sediment removal from within a 200-foot long culvert beneath the New York State Thruway and sediment removal along a 750-foot segment of the stream beginning at the end of the culvert. The work was documented in the West Branch of Bloody Brook Sediment Removal Certification Report, dated November 1997. This report was approved by NYSDEC in December 1997; however, it was agreed that additional data was needed.

Since 1994, sampling has occurred in and adjacent to Bloody Brook. Cadmium concentrations in soil range from non-detect to 5,350 parts per million (ppm) and in sediment from 2.6 to 174 ppm. Typically, the greatest concentrations of cadmium in soil were found at depths greater than one foot. Cadmium compounds were not detected in the water of Bloody Brook. The concentrations of cadmium in soil and sediment, however, are above NYSDEC guidance values. The investigations scheduled to commence during the Spring of 2011 will aid in defining the extent of cadmium in the soil and sediment and provide information to the NYSDEC for remedy selection at the site.

The exposure pathway of concern at Bloody Brook is accidental ingestion of contaminated soil or sediment carried to the mouth by dirty hands. However, the NYSDEC, NYSDOH and the Onondaga County Health Department have determined that the potential for coming into contact with cadmium in the brook and in nearby soil is minimized because these areas are well vegetated with grass and brush, which constitutes a barrier decreasing potential contact with soil. In addition, some of these areas are not easily accessible. As a precaution, the Onondaga County Health Department has advised the public to avoid contact with sediment in the brook or soil along its banks until remediation is complete.

### **FOR MORE INFORMATION**

#### **Where to Find Information**

Project documents are available at the following location(s) to help the public stay informed. These documents include the investigation work plan and the application to participate in the Voluntary Cleanup Program.

NYSDEC  
615 Erie Boulevard  
Syracuse, NY 13204-2400  
315-426-7403  
Hours: M-F 8:30am-4:45pm  
Please call for an appointment

Liverpool Public Library  
310 Tulip Street  
Liverpool, NY 13088  
315-457-0310  
Please call for hours or check the website at:  
<http://www.lpl.org>

NYSDEC  
625 Broadway  
Albany, NY 12233-7013  
518-402-9676  
Hours: M-F 8:30am-4:45pm  
Please call for an appointment

Atlantic States Legal Foundation  
658 West Onondaga Street  
Syracuse, NY 13204-3711  
315-475-1170  
Please call for an appointment

### **Who to Contact**

Comments and questions are always welcome and should be directed as follows:

#### Project Related Questions

Rick Mustico, Project Manager  
New York State Department of  
Environmental Conservation  
625 Broadway  
Albany, NY 12233-7013  
518-402-9676  
E-Mail: rxmestic@gw.dec.state.ny.us  
Please call for an appointment

#### Project-Related Health Questions

Mark Sergott, Project Manager  
New York State Department of Health  
547 River Street, Troy, NY 12180-2216  
Phone: 518-402-7860 or  
800-458-1158, Ext. 27860  
E-Mail: beei@health.state.ny.us

**We encourage you to share this fact sheet with neighbors and tenants, and/or post this fact sheet in a prominent area of your building for others to see.**

#### **Receive Site Fact Sheets by Email**

Have site information such as this fact sheet sent right to your email inbox. NYSDEC invites you to sign up with one or more contaminated sites county email listservs available at the following web page: [www.dec.ny.gov/chemical/61092.html](http://www.dec.ny.gov/chemical/61092.html) . It's *quick*, it's *free*, and it will help keep you *better informed*.

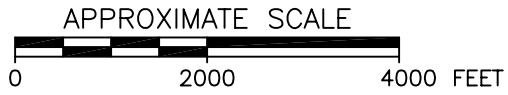
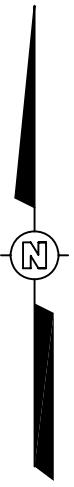


As a listserv member, you will periodically receive site-related information/announcements for all contaminated sites in the county(ies) you select.

You may continue also to receive paper copies of site information for a time after you sign up with a county listserv, until the transition to electronic distribution is complete.

**Note:** Please disregard if you already have signed up and received this fact sheet electronically.

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REFERENCE:  
 NYSOT 7.5 MIN TOPOGRAPHIC MAP OF SYRACUSE WEST,  
 QUADRANGLE 1990, SCALE: 1" = 2000'.



LOCKHEED MARTIN CORPORATION  
 SYRACUSE, NEW YORK  
 DESIGN SOIL INVESTIGATION  
 WORK PLAN

FIGURE 1  
 SITE LOCATION MAP  
 WEST BRANCH OF BLOODY BROOK  
 ONONDAGA COUNTY, NEW YORK