UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region IV

Subject: **POLREP #4**
Davidson Asbestos Site
B49L
Davidson, NC
Latitude: 35.5011932 Longitude: -80.8523010

To: James Webster, USEPA R4 ERRPB
Jim Bateson, DENR
Steve Lewis, NCDENR

From: Jordan Garrard, OSC
Date: 6/15/2017
Reporting Period: 05/27/17 - 06/15/17

1. Introduction

1.1 Background

Site Number:	B49L	**Contract Number:**	
D.O. Number:		**Action Memo Date:**	2/15/2017
Response Authority:	CERCLA	**Response Type:**	Time-Critical
Response Lead:	EPA	**Incident Category:**	Removal Action
NPL Status:	Non NPL	**Operable Unit:**	
Mobilization Date:	11/1/2016	**Start Date:**	11/1/2016
Demob Date:		**Completion Date:**	
CERCLIS ID:	NCN000405052	**RCRIS ID:**	
ERNS No.:		**State Notification:**	
FPN#:		**Reimbursable Account #:**	

1.1.1 Incident Category
CERCLA - Emergency Response / Time Critical Removal

1.1.2 Site Description
The Davidson Depot Site is located in a mixed-use residential and commercial area surrounding but not including 217 Depot Street, a former asbestos manufacturing facility, Carolina Asbestos. Carolina Asbestos Company operated on the property from the 1930s until the 1960s. As was common at the time, low-lying areas surrounding industrial facilities were used for waste disposal. It is believed that the surrounding residential areas were used by the former asbestos manufacturing facility to dispose of asbestos containing waste and some waste may have been used by residents to supplement gravel driveways or build up low-lying areas on their properties.

Early November 2016, at the request of North Carolina Department of Environmental Quality (NC DEQ), EPA began soil testing at residential properties at the Davidson Depot Site for possible asbestos. EPA is offering soil testing at no cost to residents on portions of Eden, Sloan, Depot, Watson and other streets nearest the Site.

While preparing to conduct residential soil sampling, EPA identified suspected asbestos-containing material along Eden and Sloan Streets. The release was the result of a varmint digging and erosion along the embankment/slope of a waste disposal area on the property of a former asbestos manufacturing facility, Carolina Asbestos. The asbestos manufacturing facility made asbestos fabric and tile and is believed to have operated from the 1930s to 1960s. Subsequent testing confirmed the material contained 70% asbestos. EPA oversaw the removal of this material from the streets. The North Carolina Department of Environmental Quality will coordinate the stabilization of the property of the former asbestos manufacturing facility. There is a perspective developer for the property of the former asbestos facility; the perspective developer is currently working with the North Carolina Department of Environmental Quality Brownfields program.
EPA is collecting and validating data to determine the extent of the problem. The results will determine what additional response actions are necessary to protect human health and the environment.

1.1.2.1 Location
The Site is an undetermined size area surrounding a former asbestos manufacturing facility that was located at 217 Depot Street, but excluding 217 Depot Street, Davidson, Mecklenburg County, North Carolina (the Site). Davidson is a college town with a population of approximately 11,000 and is located about 20 miles north of Charlotte in northern Mecklenburg County. The approximate geographical location of the Site is 35º29'28"N latitude and 80º49'58"W longitude.

1.1.2.2 Description of Threat
Asbestos could be harmful to residents if they are exposed through inhalation of airborne dust.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results
U.S. EPA Region 4 Emergency Response, Removal & Prevention Branch (ERRPB) received a Removal Site

Evaluation (RSE) request on September 22, 2016 from North Carolina Department of Environmental Quality (NC DEQ).
On November 1, 2016 while conducting a walk-trough of the neighborhood, EPA's On-Scene coordinator confirmed asbestos-containing material (ACM) on Eden Street, stretching for about seventy feet and on Sloan Street stretching for about seventy feet. EPA notified the Davidson Fire Department, called the National Response Center (NRC # 1163077) and sampled the material. The fire department marked off the area using traffic cones. Sample results confirmed the material was ACM (70% asbestos). The release of ACM was the result of a varmint digging into the embankment and a localized area where erosion had occurred on the property of the former Carolina Asbestos facility. On November 2, 2016, EPA oversaw the removal of the material and completed the cleanup that day. NC DEQ agreed to oversee the stabilization of the slope, erosion and varmint damage.
To date, EPA has collected 297 surface soil samples at depths of 0 to 3 inches and 3 to 6 inches. Fifty (50) samples have had trace asbestos fibers detected; seventeen (17) samples had results of 0.25% to 1% asbestos and seven (7) samples have had greater than 1% asbestos found in surface soils. The EPA observed visual asbestos containing material (ACM) on seventeen (17) properties.

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

U.S. EPA Region 4 Emergency Response, Removal & Prevention Branch (ERRPB) received a Removal Site Evaluation (RSE) request on September 22, 2016 from North Carolina Department of Environmental Quality (NC DEQ).
On November 1, 2016 while conducting a walk-trough of the neighborhood, EPA's On-Scene coordinator confirmed asbestos-containing material (ACM) on Eden Street, stretching for about seventy feet and on Sloan Street stretching for about seventy feet. EPA notified the Davidson Fire Department, called the National Response Center (NRC # 1163077) and sampled the material. The fire department marked off the area using traffic cones. Sample results confirmed the material was ACM (70% asbestos). The release of ACM was the result of a varmint digging into the embankment and a localized area where erosion had occurred on the property of the former Carolina Asbestos facility. On November 2, 2016, EPA oversaw the removal of the material and completed the cleanup that day. NC DEQ agreed to oversee the stabilization of the slope, erosion and varmint damage.

On November 17, 2016 U.S. EPA Region 4 ERRPB initiated an emergency response action to conduct dust control in the neighborhood. Dust control operations are occurring periodically on a "as needed basis". An Action Memo for a removal of contaminated soils was signed on February 15, 2017. One (1) foot of soil will be excavated from the impacted areas. Prior to backfilling a notification barrier (snow fencing) will be placed at the bottom of the excavation to provide future residents or workers or the vertical extent of the removal action. The excavated areas will be backfilled and restored to previous conditions.

2.1.2 Response Actions to Date

Excavation and restoration activities have been completed at the Davidson United Presbyterian Church, 209 Watson, 314 Depot, 318 Depot, 302 Sloan, and the east side of Sloan Street near the intersection of Griffith Street. Excavations of impacted soils has been completed at 325 Sloan and 319 Sloan Street. Asbestos containing materials (ACM) were observed in sidewall of the excavation at 319 Sloan. Based on the visual presence of ACM, the excavation continued approximately 10 feet onto 315 Sloan property. Restoration of 325 Sloan, 319 Sloan, and 315 Sloan will be complete by June 16th. Perimeter air sampling is being conducted at the excavation and stockpile areas by TTEMI. To this date perimeter air sampling results have been favorable with no fiber detections above action levels. Dust suppression watering and mowing activities continue on the other impacted parcels. Load outs for disposal continue weekly on an as needed basis. As of June 15, 2017 approximately 1210 tons of impacted soils has been disposed of at permitted landfills.

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

Enforcement Activities including identification of potentially responsible parties is ongoing.

2.1.4 Progress Metrics

Waste Stream	*Medium*	*Quantity*	*Manifest #*	*Treatment*	*Disposal*
Asbestos Contaminated Soils	Soils	1210 tons		landfill	

2.2 Planning Section

2.2.1 Anticipated Activities

Continue with dust control operations.
Continue with property assessment/sampling to determine extent.
Excavate soils on impacted parcels

2.2.1.1 Planned Response Activities

Continue dust control and sampling as needed.
Excavate soils on impacted parcels
Continue discussions with the NCDENR and the City of Davidson concerning post removal site controls

2.2.1.2 Next Steps

2.2.2 Issues

2.3 Logistics Section

No information available at this time.

2.4 Finance Section

Estimated Costs *

	Budgeted	Total To Date	Remaining	% Remaining
Extramural Costs				
ERRS - Cleanup Contractor	$1,700,000.00	$472,720.39	$1,227,279.61	72.19%
TAT/START	$60,000.00	$42,000.00	$18,000.00	30.00%
Intramural Costs				
Total Site Costs	$1,760,000.00	$514,720.39	$1,245,279.61	70.75%

* The above accounting of expenditures is an estimate based on figures known to the OSC at the time this report was written. The OSC does not necessarily receive specific figures on final payments made to any contractor(s). Other financial data which the OSC must rely upon may not be entirely up-to-date. The cost accounting provided in this report does not necessarily represent an exact monetary figure which the government may include in any claim for cost recovery.

2.5 Other Command Staff

No information available at this time.

3. Participating Entities

3.1 Unified Command

3.2 Cooperating Agencies

NC DEQ
NC DOH
City of Davidson

4. Personnel On Site

EPA (1)
START (1)
ERRS (13)

5. Definition of Terms

No information available at this time.

6. Additional sources of information

No information available at this time.

7. Situational Reference Materials

No information available at this time.