

Ken Mallery  
Superfund Division  
USEPA Region 4  
61 Forsyth Street, S.W.  
Atlanta, Georgia 30303

Subject:  
Revised 2015 Cap Inspection Report  
Former VCC Site – Durham, North Carolina

Dear Mr. Mallery:

The purpose of this letter is to report the findings of the 2015 cap inspection performed at the former Virginia-Carolina Chemical Corporation Site, located in Durham, Durham County, North Carolina (the Site). In 2012, ExxonMobil Environmental Services Company (EMES) completed a soil removal action at the Site. The purpose of this removal action was to excavate soil/sediment containing arsenic- and lead-above the site-specific action levels (SSALs) associated with a former phosphate fertilizer plant that occupied the Site in the early 1900s.

Although more than 20,000 tons of impacted soil and sediment were removed during the project, impacted soils were left in place in three areas to preserve the structural integrity of existing features or utilities (Figure 1). Prior to backfilling two areas, an orange demarcation liner (construction fencing) was installed at the base of the excavation to serve as a visual indicator of impacted soils to those that may perform work at the Site in the future. Soil was not excavated from the third area due to the existing asphalt cap.

As described in the *Removal Action Completion Report* (ARCADIS 2012), ExxonMobil will be conducting annual soil cover inspections of areas where the demarcation barrier was placed at the Site and where impacted soil was left in place under asphalt. The 2015 inspection was performed by Arcadis on October 2nd. During the inspection, no material defects to the soil/asphalt cover were observed in those areas where impacted soils remain. Attached are the 2015 Soil Cover Inspection Forms completed for each parcel, including photographs taken of the areas (Attachment 1).

Arcadis G&M of North Carolina  
Inc.  
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Raleigh  
North Carolina 27607  
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[www.arcadis-us.com](http://www.arcadis-us.com)

Date:  
May 12, 2016

Contact:  
Kirstyn White

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Our ref:  
B0085794

ARCADIS G&M of North Carolina,  
Inc.

NC Engineering License #C-1869

Mr. Ken Mallary  
May 12, 2016

If you have any questions regarding this inspection, please feel free to call me or Bruce Frink of EMES at 813-991-7413.

Sincerely,

ARCADIS G&M of North Carolina, Inc.



Kirstyn R. White, PE  
Project Environmental Engineer

Attachments:

Figure 1 – Areas Requiring Land Use Restrictions  
Attachment 1– 2015 Soil Cover Inspection Forms/Photographs

Copies:

David Mattison, NCDEQ (electronic copy)  
Bruce Frink, EMES (electronic copy)  
Matthew Pelton, Arcadis (electronic copy)

File: 85794

**FIGURE 1**





# ATTACHMENT 1

2015 Soil Cover Inspection Forms/Photographs



**ExxonMobil Environmental Services  
Yearly Cover Inspection Form**

Date: 10-2-15 Time: 1635

Site Name: VCC Durham - 2700 Angier Ave. SW loading dock, POD storage

Inspector: D. Rhodes / B. Lovgren

Was Property Owner Notified Prior to Inspection (circle one):  Yes  No

Was Orange Demarcation Barrier Observed (circle one)? Yes   No

If yes, explain:

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**Photographs Taken:**

Photo File Number/ Name	Direction Photo Was Taken	Photo ID Number From Map (attached)	Notes
4453	NW	1	Asphalt in good condition
4454	NE	2	Asphalt in good condition.

2015 Yearly Soil Cover Inspection - Photographs  
Virginia-Carolina Chemical Corporation – Durham Site – Parcel 118815  
Durham County, North Carolina



Photograph 1 – Parcel 118815, facing northwest towards Portable On Demand Storage.



Photograph 2 – Parcel 118815, facing northeast.

**ExxonMobil Environmental Services  
Yearly Cover Inspection Form**

Date: 10-2-15 Time: 1650

Site Name: VCC Durham 2700 Angier Ave - Flower bed, N portion of site

Inspector: D. Rhodes / B. Lovgren

Was Property Owner Notified Prior to Inspection (circle one):  Yes  No

Was Orange Demarcation Barrier Observed (circle one)?  Yes  No

If yes, explain:

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**Photographs Taken:**

Photo File Number/ Name	Direction Photo Was Taken	Photo ID Number From Map (attached)	Notes
4457	S	3	No demarcation lines observed
4458	N	4	No demarcation lines observed

2015 Yearly Soil Cover Inspection - Photographs  
Virginia-Carolina Chemical Corporation – Durham Site – Parcel 118815  
Durham County, North Carolina



Photograph 3 – Parcel 118815, facing southeast towards flower bed in front of brick building. No demarcation barrier observed.



Photograph 4 – Parcel 118815, facing northwest towards flower bed in front of brick building. No demarcation barrier observed.

**ExxonMobil Environmental Services  
Yearly Cover Inspection Form**

Date: 10-2-15 Time: 1640

Site Name: VCC Durham 2700 + 2714 Angier Ave - Liner on property boundary

Inspector: D. Rhodes / B. Lovgren

Was Property Owner Notified Prior to Inspection (circle one):  Yes  No

Was Orange Demarcation Barrier Observed (circle one)?  Yes  No

If yes, explain:

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**Photographs Taken:**

Photo File Number/ Name	Direction Photo Was Taken	Photo ID Number From Map (attached)	Notes
4455	SW	5	No demarcation Liner observed
4456	SE	6	No demarcation Liner observed

2015 Yearly Soil Cover Inspection - Photographs  
Virginia-Carolina Chemical Corporation – Durham Site – Parcel 118830  
Durham County, North Carolina



Photograph 5 – Parcel 118830, facing southwest. No demarcation barrier observed.



Photograph 6 – Parcel 118830, facing east. No demarcation barrier observed.