

4880

# RELEASE NOTIFICATION/REPORTING FORM



Mail to: GEORGIA ENVIRONMENTAL PROTECTION DIVISION **RECEIVED**  
 Hazardous Sites Response Program Georgia EPD  
 Suite 1462, Floyd Tower East  
 2 Martin Luther King Jr. Drive, SE  
 Atlanta, Georgia 30334-9000

JAN 20 2010

Hazardous Sites Response Program

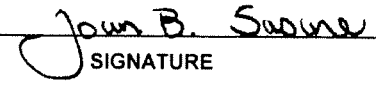
1. The information provided in this form is for:  
 Initial Release Notification  
 Supplemental Notification

## PART I -- PROPERTY INFORMATION

(Please type or print legibly)

2	EPA ID NUMBER (if applicable)				
3	Tax Map and Parcel ID Number:	14-0110-0009-019-9	Acreage	.1169	
4	Site or Facility Name	Magnolia Redevelopment Parcels			
5	Site Street Address	765 Carter Street			
6	Site City	Atlanta	County	Fulton	Zip 30314
7	Property Owner	Westside Affordable Housing, Inc.			
8	Property Owner Mailing Address	c/o The Housing Authority of the City of Atlanta, Georgia 230 John Wesley Dobbs Avenue			
9	Property Owner City	Atlanta	State	Georgia	Zip 30303
10	Property Owner Telephone No.	(404) 892-4700			
11	Site Contact Person	Joan B. Sasine	Title	Attorney	
12	Site Contact Company Name	Bryan Cave LLP			
13	Site Contact Mailing Address	1201 W. Peachtree Street, NW, 14 <sup>th</sup> Floor			
14	Site Contact City	Atlanta	State	Georgia	Zip 30309
15	Site Contact Telephone No.	(404) 572-6647			
16	Facility Operator Contact Person	Mark Kemp	Title	COO	
17	Facility Operator Company Name	The Housing Authority of the City of Atlanta, Georgia			
18	Facility Operator Mailing Address	230 John Wesley Dobbs Avenue			
19	Facility Operator City	Atlanta	State	Georgia	Zip 30303
20	Facility Operator Telephone No.	(404) 817-7257			

21. CERTIFICATION --I certify under penalty of law that I am the legal representative of the owner of the real property described in this Release Notification and I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Joan B. Sasine Attorney for Westside Affordable Housing, Inc.  
 NAME (Please type or print) TITLE  
 1/20/10  
 SIGNATURE DATE

## PART II -- RELEASE INFORMATION

Page \_\_\_\_ of \_\_\_\_

**Please provide the following information for EACH release at the site. If additional space is needed to answer any of the following questions, attach additional pages, as necessary.**

**1. Source of this release (i.e., drums, tanks, spills, wastepile etc.). Provide specific information on the suspected or known source of the release, including the source of this information:**

Unknown

**2. Release date(s) and any known information about the history of the release, including the physical state of the material (solid, powder/ash, liquid/gas, sludge) and the quantity of material released (lbs, cubic yards, etc.):**

Unknown

**3. Describe those actions that have been taken to investigate, cleanup or otherwise remediate this release (e.g., removal of source of contamination; soil or water sampling performed; and monitoring wells installed and sampled).**

Nine (9) soil samples were obtained and sampled for lead. In addition, two of the samples were also tested for PAHs.

**4. Access to the area affected by the release. Check the appropriate box:**

- Inaccessible: A 24-hour surveillance system, or a completely closed barrier or fence to prevent entry.
- Limited Access: Less than 24-hour surveillance system, and/or a barrier or fence that is partially open.
- Unlimited Access: No surveillance, and no barrier or fence.

**If the site is inaccessible or has limited access, then describe site surveillance systems, fences, security personnel or other barriers that would restrict access to the release.**

**5. For soil releases, indicate the type of material covering this release, by checking the appropriate box below.**

- A permanent or otherwise maintained, essentially impenetrable non-earthen material such as concrete or asphalt
- An engineered and maintained earthen material or compacted fill or a high density synthetic material
- Loose earthen fill or native soil
- No cover
- Other

**Describe the type and thickness of the material covering the contaminated soil or wastes.**

## PART II -- RELEASE INFORMATION

(Continued)

Page \_\_\_\_\_ of \_\_\_\_\_

6. Indicate the approximate distance from the edge of the area affected by the release to the nearest residence, playground, day care, school or nursing home.

Less than 300 feet       1001 to 3000 feet       Greater than 1 mile  
 301 to 1000 feet       3001 to 5280 feet

Provide the name and address of the nearest residence, playground, day care, school or nursing home.

Name: Subject Property

Address: 765 Carter Street

7. Indicate the distance between the area affected by the release and the nearest drinking water well (including wells located on the site).

Less than 0.5 miles       1 to 2 miles       Greater than 3 miles  
 0.5 to 1 mile       2 to 3 miles

Provide the name of the property owner and address of the location of the closest drinking water well.

Name: Unknown

Address: \_\_\_\_\_

8. Is there any evidence to suspect that a person or a sensitive environment has been exposed to this release?

Yes       No

If yes, provide details on the potentially affected humans or sensitive environments.

## REQUIRED ATTACHMENTS

### 9. SITE SUMMARY

A. Attach a summary (no longer than one page) that gives a general description of the property, the areas affected by the release both within and beyond the property boundaries, and any actions taken to investigate, clean up or otherwise remediate the property. The summary shall include a description of the property boundaries of the site and adjacent properties as well as a detailed description of the nature and known or estimated extent of the area of contamination. Describe any additional relevant information concerning the nature of the release. In addition to the one page summary, other information concerning the property may also be attached.

B. Attach a site map that shows known or suspected sources as well as the locations of all samples collected at the site. The site map should include outlines of buildings as well as covered ground areas (e.g., parking lots or other paved areas). A legend should be provided to explain any symbols used on the map.

### 10. U.S.G.S. Topographic Map

Along with this form, you MUST submit an original U.S.G.S. topographical map (1:24000) with the geographic center of the site clearly marked. U.S.G.S. topographic maps are available for purchase on-line at <http://qgsstore.dnr.state.qa.us>.

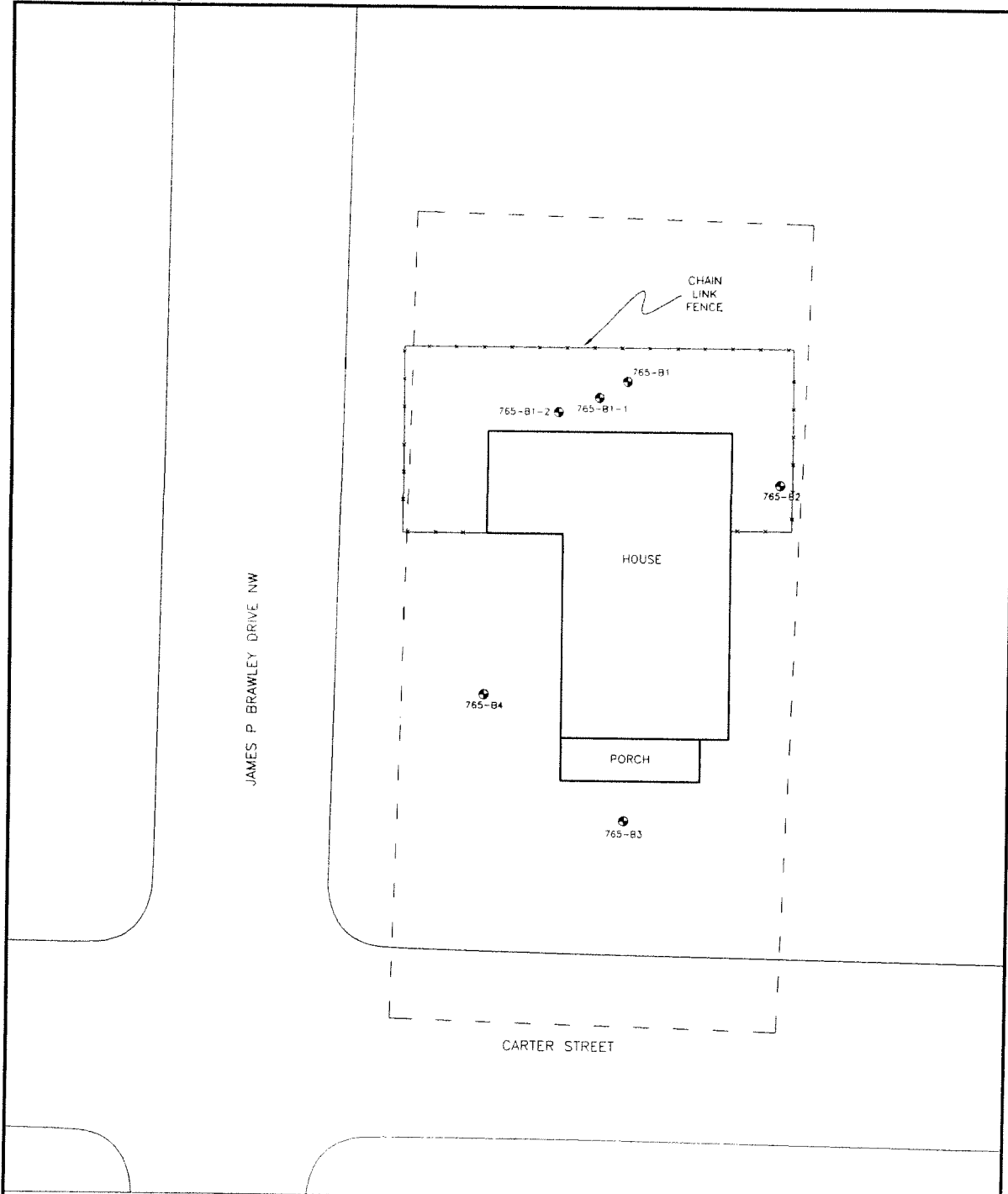
## **9A. Summary**

In November, 2009 ERM conducted a pre-purchase limited Phase II Site investigation at the subject site. Lead analysis was run on nine (9) samples and PAHs were run on two (2) of the samples. Three of the samples exceeded the Hazardous Site Response Act notification concentration for lead. The analytical report is included as Attachment A.



On December 9, 2009 Westside Affordable Housing, Inc. submitted an application for a limitation of liability pursuant to the Georgia Hazardous Site Reuse & Redevelopment Act for all of the Magnolia Redevelopment Parcels. A map showing the Magnolia Redevelopment Parcels (Figure 2 of the CAP) is included as Attachment B. On December 18, 2009 EPD issued a letter approving the CAP. The approval letter is included as Attachment C.

# 9B. SOIL BORING LOCATION MAP

106749Site1.DWG 11/17/09 SPV



## LEGEND

-  765-B2 SOIL BORING LOCATION
-  PROPERTY LINE

## NOTES

BUILDING AND PROPERTY LINE INFORMATION SOURCE IS THE FULTON COUNTY BOARD OF ASSESSORS TAX PARCEL MAP SERVER



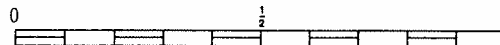
# 10. SITE LOCATION MAP



SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC QUADRANGLE: NORTHWEST ATLANTA, GA (1995), SOUTHWEST ATLANTA, GA (1995).

SCALE 1:24000

MILE



KILOMETER

CONTOUR INTERVAL 10 FEET  
NATIONAL GEODETIC VERTICAL DATUM OF 1929



QUADRANGLE LOCATION



**Environmental  
Resources  
Management**

**SITE LOCATION MAP**  
PHASE I ESA  
ATLANTA HOUSING AUTHORITY  
MAGNOLIA  
ATLANTA, FULTON COUNTY, GEORGIA

FIGURE

**1**





4881

# RELEASE NOTIFICATION/REPORTING FORM



Mail to: GEORGIA ENVIRONMENTAL PROTECTION DIVISION  
 Hazardous Sites Response Program  
 Suite 1462, Floyd Tower East  
 2 Martin Luther King Jr. Drive, SE  
 Atlanta, Georgia 30334-9000

**RECEIVED**  
 Georgia EPD  
**JAN 21 2010**  
 Hazardous Sites  
 Response Program

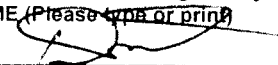
1. The information provided in this form is for:  
 Initial Release Notification  
 Supplemental Notification

## PART I -- PROPERTY INFORMATION

(Please type or print legibly)

2	EPA ID NUMBER (if applicable)				
3	Tax Map and Parcel ID Number:	Tax PIN#14 -0092-0003-058-5	Acreage	.85	
4	Site or Facility Name	Mrs Winners Chicken			
5	Site Street Address	2690 Metropolitan Pkwy			
6	Site City	Atlanta	County	Fulton	Zip 30315
7	Property Owner	DTMJ-1, LLC			
8	Property Owner Mailing Address	7024 Alderwood Court			
9	Property Owner City	Lacey	State	WA	Zip 98503
10	Property Owner Telephone No.	(847)674-8447			
11	Site Contact Person	David Montgomery	Title	Member	
12	Site Contact Company Name	DTMJ-1, LLC			
13	Site Contact Mailing Address	5134 Wright Terrace			
14	Site Contact City	Skokie	State	IL	Zip 60077
15	Site Contact Telephone No.	(847)674-8447			
16	Facility Operator Contact Person	DTMJ-1, Property of	Title		
17	Facility Operator Company Name				
18	Facility Operator Mailing Address				
19	Facility Operator City		State		Zip
20	Facility Operator Telephone No.				

**21. CERTIFICATION** --I certify under penalty of law that I am the owner of the real property described in this Release Notification and I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

David Montgomery Member, DTMJ-1, LLC  
 NAME (Please type or print) TITLE  
 1/16/2010  
 SIGNATURE DATE

## PART II -- RELEASE INFORMATION

Page 2 of 6

**Please provide the following information for EACH release at the site. If additional space is needed to answer any of the following questions, attach additional pages, as necessary.**

**1. Source of this release (i.e., drums, tanks, spills, wastepile etc.). Provide specific information on the suspected or known source of the release, including the source of this information:**

The dry cleaner that has operated adjacent to this property since 1970 appears to be the most likely source of the tetrachloroethene (PCE) and cis-1,2-dichloroethene discovered in the groundwater below our property (see attached environmental study.) There has been no known source of these contaminants on our property in the last 30+ years (the time for which we have been able to locate reliable records.)

**2. Release date(s) and any known information about the history of the release, including the physical state of the material (solid, powder/ash, liquid/gas, sludge) and the quantity of material released (lbs, cubic yards, etc.):**

We do not know when or how the release occurred, nor do we know the amount of material released.

**3. Describe those actions that have been taken to investigate, cleanup or otherwise remediate this release (e.g., removal of source of contamination; soil or water sampling performed; and monitoring wells installed and sampled).**

As part of the potential sale of the property, a consulting company was engaged to perform a Phase I environmental study a few months ago. That led to a followed-up Limited Site Investigation (enclosed), performed in December 2009 and documented in the enclosed report. Per the report, soil and ground water samples have been collected and analyzed. No cleanup or remediation has been initiated.

**4. Access to the area affected by the release. Check the appropriate box:**

- Inaccessible: A 24-hour surveillance system, or a completely closed barrier or fence to prevent entry.
- Limited Access: Less than 24-hour surveillance system, and/or a barrier or fence that is partially open.
- Unlimited Access: No surveillance, and no barrier or fence.

**If the site is inaccessible or has limited access, then describe site surveillance systems, fences, security personnel or other barriers that would restrict access to the release.**

**5. For soil releases, indicate the type of material covering this release, by checking the appropriate box below.**

- A permanent or otherwise maintained, essentially impenetrable non-earthen material such as concrete or asphalt
- An engineered and maintained earthen material or compacted fill or a high density synthetic material
- Loose earthen fill or native soil
- No cover
- Other

**Describe the type and thickness of the material covering the contaminated soil or wastes.**

There has been no reportable release to the soil. The groundwater is below approx. 35' of soil that is covered with an asphalt parking lot (1.5" asphalt, 5.5" concrete.)

## PART II -- RELEASE INFORMATION

(Continued)

Page 3 of 6

6. Indicate the approximate distance from the edge of the area affected by the release to the nearest residence, playground, day care, school or nursing home.

Less than 300 feet       1001 to 3000 feet       Greater than 1 mile  
 301 to 1000 feet       3001 to 5280 feet

Provide the name and address of the nearest residence, playground, day care, school or nursing home.

Name: Townhomes across Cleveland Ave

Address: Corner of Cleveland Ave / Stewart Pl

7. Indicate the distance between the area affected by the release and the nearest drinking water well (including wells located on the site).

Less than 0.5 miles       1 to 2 miles       Greater than 3 miles  
 0.5 to 1 mile       2 to 3 miles

Provide the name of the property owner and address of the location of the closest drinking water well.

Name: unknown; according to the included Phase I study dated 12/22/2005, groundwater in the area is not used as a drinking water source

Address: \_\_\_\_\_

8. Is there any evidence to suspect that a person or a sensitive environment has been exposed to this release?

Yes       No

If yes, provide details on the potentially affected humans or sensitive environments.

n/a

## REQUIRED ATTACHMENTS

### 9. SITE SUMMARY

A. Attach a summary (no longer than one page) that gives a general description of the property, the areas affected by the release both within and beyond the property boundaries, and any actions taken to investigate, clean up or otherwise remediate the property. The summary shall include a description of the property boundaries of the site and adjacent properties as well as a detailed description of the nature and known or estimated extent of the area of contamination. Describe any additional relevant information concerning the nature of the release. In addition to the one page summary, other information concerning the property may also be attached.

B. Attach a site map that shows known or suspected sources as well as the locations of all samples collected at the site. The site map should include outlines of buildings as well as covered ground areas (e.g., parking lots or other paved areas). A legend should be provided to explain any symbols used on the map.

### 10. U.S.G.S. Topographic Map

Along with this form, you MUST submit an original U.S.G.S. topographical map (1:24000) with the geographic center of the site clearly marked. U.S.G.S. topographic maps are available for purchase on-line at <http://ggsstore.dnr.state.ga.us>.

### PART III -- SOIL RELEASE INFORMATION

*Please provide the following information for EACH regulated substance released to the soil at the site and submit the laboratory analytical sheets for all samples analyzed from the site. Use additional sheets if necessary.*

Regulated Substance	CAS Registry Number	Highest Concentration Detected Between 0-6 Inches (Specify Units)	Highest Concentration Detected Between 6-24 Inches (Specify Units)	Highest Concentration Detected Greater Than 24 Inches (Specify Units)
Please see attached Limited Site Investigation report for information regarding substances detected above laboratory detection limits but below applicable regulatory thresholds.				



6/6


Proposed Retail Store  
2690 Metropolitan Parkway  
Atlanta, Fulton County, Georgia

### Site Summary

The subject site is a .85-acre tract of land developed with a free-standing fast food restaurant. Current facility operations include management of the facility, food preparation and service, and routine janitorial and maintenance activities. The site is open to public foot and auto traffic.

The enclosed Limited Site Investigation (LSI) was performed at the subject site on December 9, 2009 following completion of a Phase I Environmental Site Assessment (ESA I) a few weeks prior. Both studies were performed by Terracon Consultants, Inc. as part of a proposed sale of the property. The site is level with the adjacent site to the North, with Metropolitan Parkway to the West and with Cleveland Avenue to the South. It is slightly higher than the site to the East, and a retaining wall maintains the soil elevation between the two sites. A fast food restaurant borders the site on the North, and 60-Minute Cleaners is adjacent to the site on the East.

Prior to the current fast food restaurant being built in 1981, there was a Shell Gasoline Station on the site in the 1970s. The LSI confirmed through subsurface radar scanning that the USTs are no longer present, presumably removed prior to the construction of the restaurant nearly 30 years ago. Soil sampling conducted by Geohydro in 1989 found no actionable contamination. The enclosed 2005 Phase I study analyzed the site, and found no environmental concerns.

According to the LSI, 60-Minute Cleaners has been located approximately 20-feet to the east of the subject site for about 40 years and was identified as a recognized environmental condition (REC) during the recent Phase I ESA. In addition, the former Aisha Enterprises/Phillips 66 gas station located southwest of the site (2711/2721 Metropolitan Parkway) constituted a REC to the site based on calculated groundwater flow from the southwest to the northeast toward the site and the benzene, toluene, ethylbenzene, and total xylenes (BTEX) detected in a topographically upgradient position relative to the site.

To assess these RECs, one soil boring was installed within the property. The boring was advanced utilizing hollow stem auger drilling equipment to a depth of 46-feet below grade surface (bgs). Multiple soil samples were collected from the boring before the boring was converted into temporary monitoring well. Each soil sample was analyzed using an organic vapor analyzer (OVA) to detect the presence of volatile organic vapors (VOVs). Elevated OVA readings for collected soil samples were not detected, so a soil sample from a depth of 3 to 5 feet below grade surface (bgs) was selected for analytical testing. The analysis revealed tetrachloroethene (PCE) at a concentration of 0.013 milligrams per kilogram (mg/Kg), below the HSRA Notification Concentrations (NC) of 0.18 mg/Kg. No other VOCs or PAHs were detected in the soil sample collected at the site.

Following collection of the soil samples, the soil boring was converted to a temporary well. Cis-1,2-Dichloroethene and tetrachloroethene were detected in groundwater at concentrations of 8.6 ug/L and 35 ug/L, respectively. The Limited Site Investigation did not define the extent of contamination, and no actions have been taken to remediate the property.

# RELEASE NOTIFICATION/REPORTING FORM



Mail to: GEORGIA ENVIRONMENTAL PROTECTION DIVISION  
 Hazardous Sites Response Program  
 Suite 1462, Floyd Tower East  
 2 Martin Luther King Jr. Drive, SE  
 Atlanta, Georgia 30334-9000

RECEIVED  
 Georgia EPD  
 JAN 27 2010  
 Hazardous Sites  
 Response Program

1. The information provided in this form is for:

- Initial Release Notification  
 Supplemental Notification

## PART I -- PROPERTY INFORMATION

(Please type or print legibly)

2	EPA ID NUMBER (if applicable)				
3	Tax Map and Parcel ID Number:	1-0904-02-001	Acreage	176	
4	Site or Facility Name	EMD Chemicals			
5	Site Street Address	110 EMD Boulevard			
6	Site City	Savannah	County	Chatham	Zip 31407
7	Property Owner	EMD Chemicals, Inc.			
8	Property Owner Mailing Address	480 South Democrat Road			
9	Property Owner City	Gibbstown	State	NJ	Zip 08027
10	Property Owner Telephone No.	(856) 599-6729			
11	Site Contact Person	Kory Reeves	Title	HSSE Manager	
12	Site Contact Company Name	EMD Chemicals			
13	Site Contact Mailing Address	P.O. Box 1206			
14	Site Contact City	Savannah	State	Georgia	Zip 31402
15	Site Contact Telephone No.	(912) 964-9050 ext 53241			
16	Facility Operator Contact Person	Mike Cunio	Title	Plant Manager	
17	Facility Operator Company Name	EMD Chemicals			
18	Facility Operator Mailing Address	110 EMD Boulevard			
19	Facility Operator City	Savannah	State	GA	Zip 31407
20	Facility Operator Telephone No.	(912) 964-9050			

**21. CERTIFICATION** --I certify under penalty of law that I am the owner of the real property described in this Release Notification and I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

*Mike Cunio*
*Site Manager*

---

NAME (Please type or print)
TITLE

---

*Mike Cunio*
*1/20/10*

---

SIGNATURE
DATE

## PART II -- RELEASE INFORMATION

Page \_\_\_\_ of \_\_\_\_

**Please provide the following information for EACH release at the site. If additional space is needed to answer any of the following questions, attach additional pages, as necessary.**

**1. Source of this release (i.e., drums, tanks, spills, wastepile etc.). Provide specific information on the suspected or known source of the release, including the source of this information:**

**EMD is an industrial facility that uses mica to produce pigments. Waste water treatment sludges generated during the industrial production process were pumped into sludge solidification ponds. The ponds were originally managed pursuant to a landfill permit and then pursuant to EMD's NPDES permit. The sludge accumulated from 1979 to 2000. The material was originally a flowable sludge and is now in a solid state. The ponds measure approximately 4.3 acres, and are unlined, surrounded by earthen berms, and no longer receive any materials. This information is a summary collected from various environmental investigation reports prepared for the site.**

**2. Release date(s) and any known information about the history of the release, including the physical state of the material (solid, powder/ash, liquid/gas, sludge) and the quantity of material released (lbs, cubic yards, etc.):**

**It is believed that beryllium in the mica sludge was released to groundwater as a result of a discrete episode of low pH conditions at an isolated area in the southwest corner of the sludge pond area, which mobilized the otherwise insoluble beryllium. The quantity of beryllium released is currently unknown, but levels of beryllium in groundwater are in the low parts per billion range.**

**3. Describe those actions that have been taken to investigate, cleanup or otherwise remediate this release (e.g., removal of source of contamination; soil or water sampling performed; and monitoring wells installed and sampled).**

**A number of environmental investigations have been conducted that follow the general guidance of the Solid Waste Branch of the Georgia EPD. These include Hydrogeologic Assessment, Groundwater Monitoring Plans, Contamination Assessment Reports, Corrective Measures Studies and Solid Waste Analysis. This involved installation of multiple groundwater monitor wells, groundwater, soil and sludge sampling and analysis. Currently, the facility collects groundwater samples for testing on a semiannual basis and prepares a report that is submitted to the Georgia EPD. The pond site no longer receives materials, is secured by gates, and the landscape is managed.**

**4. Access to the area affected by the release. Check the appropriate box:**

- Inaccessible: A 24-hour surveillance system, or a completely closed barrier or fence to prevent entry.
- Limited Access: Less than 24-hour surveillance system, and/or a barrier or fence that is partially open.
- Unlimited Access: No surveillance, and no barrier or fence.

**If the site is inaccessible or has limited access, then describe site surveillance systems, fences, security personnel or other barriers that would restrict access to the release.**

**Not applicable. Area affected by the release is groundwater only. There is no possibility of direct physical contact, access or exposure as a result of the beryllium release.**

**5. For soil releases, indicate the type of material covering this release, by checking the appropriate box below.**

- A permanent or otherwise maintained, essentially impenetrable non-earthen material such as concrete or asphalt
- An engineered and maintained earthen material or compacted fill or a high density synthetic material
- Loose earthen fill or native soil
- No cover
- Other

**Describe the type and thickness of the material covering the contaminated soil or wastes.**

**Not applicable. There is no soil release. Release is to groundwater only.**

## PART II -- RELEASE INFORMATION

(Continued)

Page \_\_\_\_\_ of \_\_\_\_\_

6. Indicate the approximate distance from the edge of the area affected by the release to the nearest residence, playground, day care, school or nursing home.

Less than 300 feet       1001 to 3000 feet       Greater than 1 mile  
 301 to 1000 feet       3001 to 5280 feet

Provide the name and address of the nearest residence, playground, day care, school or nursing home.

Name: NA

Address: NA

7. Indicate the distance between the area affected by the release and the nearest drinking water well (including wells located on the site).

Less than 0.5 miles       1 to 2 miles       Greater than 3 miles  
 0.5 to 1 mile       2 to 3 miles

Provide the name of the property owner and address of the location of the closest drinking water well.

Name: The nearest downgradient properties from the site are undeveloped properties without wells and they are bordered on the other side by the Savannah River. A review of public records indicates that there are no drinking water wells within a 3 mile radlus in any direction except for EMD. EMD maintains its own well on the site, but the well is located upgradient of the area affected by the release.

Address: \_\_\_\_\_

8. Is there any evidence to suspect that a person or a sensitive environment has been exposed to this release?

Yes       No

If yes, provide details on the potentially affected humans or sensitive environments.

## REQUIRED ATTACHMENTS

### 9. SITE SUMMARY

A. Attach a summary (no longer than one page) that gives a general description of the property, the areas affected by the release both within and beyond the property boundaries, and any actions taken to investigate, clean up or otherwise remediate the property. The summary shall include a description of the property boundaries of the site and adjacent properties as well as a detailed description of the nature and known or estimated extent of the area of contamination. Describe any additional relevant information concerning the nature of the release. In addition to the one page summary, other information concerning the property may also be attached.

B. Attach a site map that shows known or suspected sources as well as the locations of all samples collected at the site. The site map should include outlines of buildings as well as covered ground areas (e.g., parking lots or other paved areas). A legend should be provided to explain any symbols used on the map.

### 10. U.S.G.S. Topographic Map

Along with this form, you **MUST** submit an original U.S.G.S. topographical map (1:24000) with the geographic center of the site clearly marked. U.S.G.S. topographic maps are available for purchase on-line at

<http://qgsstore.dnr.state.ga.us>





## 9. SITE SUMMARY

EMD Chemicals, Inc. (EMD) is located on 176 acres at 110 EMD Industries Boulevard, Savannah, Chatham County, Georgia. The facility is bordered along the north by undeveloped wooded land, to the east by undeveloped wooded land and then the Savannah River, to the west by undeveloped wooded land and then the EMD Chemicals facility buildings, and to the south by wooded undeveloped land, then concrete lined lagoons and then EMD Industries Boulevard.

EMD is an industrial facility that uses mica to produce pigments. Beginning in 1979, waste water treatment sludge and sediment were pumped into unlined solidification ponds which are surrounded by earthen berms. The ponds were originally managed pursuant to a landfill permit and then pursuant to EMD's NPDES permit. The sludge solidification ponds are located along the north side of EMD Industries Boulevard and are roughly 4.3 acres in total area. The material was originally a flowable sludge and is now in a solid state. The total quantity of sludge currently in the ponds is approximately 41,000 cubic yards and the material has a thick vegetative cover. The approximate center of the sludge solidification ponds has a latitude of 32°12'09" North and longitude of 81°10'18" West. The sludge solidification ponds are located on the east side of a low topographic divide. Pumping of materials to the sludge solidification ponds ceased in 2000 when EMD began using a filter press to eliminate the solids from the waste stream.

A number of environmental investigations have been conducted that follow the general guidance of the Solid Waste Branch of the Georgia Environmental Protection Division. These include Hydrogeologic Assessment, Groundwater Monitoring Plans, Contamination Assessment Reports, Corrective Measures Studies and Solid Waste Analysis. This involved soil and sludge sampling and analysis, installation of multiple groundwater monitor wells and groundwater monitoring. The sludge solidification ponds and the groundwater monitoring wells in the network are shown on the attached Figure. Chemical analyses for beryllium and other constituents were performed on the sludge and effluent from the waste water treatment plant in 1995. The effluent sample of the plant slurry discharge was analyzed for total and dissolved beryllium. It had less than detectable levels of dissolved beryllium and 3.9 ug/l total beryllium. Five samples were collected of the sludge in the sludge solidification ponds. The samples of sludge had beryllium concentrations ranging from 0.78 to 1.67 mg/kg. A Toxicity Characteristics Leaching Procedure (TCLP) for beryllium was performed on two sludge samples and the beryllium TCLP test results had a maximum concentration of 1.2 ug/l.

Groundwater monitoring has been ongoing at the facility since the second semester of 2005. Currently, the facility collects groundwater samples for testing on a semiannual basis and prepares a report that is submitted to the Georgia EPD. Beryllium has been detected in groundwater in the vicinity of the sludge pond at concentrations up to 17.0 ug/l. The plume is well defined and isolated to well within the property boundaries. The source of the beryllium is presumed to be from a discrete episode of low pH conditions at an isolated area in the southwest corner of the sludge pond area many years ago, which mobilized the otherwise insoluble beryllium.

4883

# RELEASE NOTIFICATION/REPORTING FORM



Mail to: GEORGIA ENVIRONMENTAL PROTECTION DIVISION  
Hazardous Sites Response Program  
Suite 1462, Floyd Tower East  
2 Martin Luther King Jr. Drive, SE  
Atlanta, Georgia 30334-9000

RECEIVED  
Georgia EPD  
JAN 28 2010  
Hazardous Sites  
Response Program

1. The information provided in this form is for:  
 Initial Release Notification  
 Supplemental Notification

## PART I - PROPERTY INFORMATION

(Please type or print legibly)

2	EPA ID NUMBER (If applicable)				
3	Tax Map and Parcel ID Number:	03-23408	Acreege	11.499 acres	
4	Site or Facility Name	11.499-Acre Property			
5	Site Street Address	Lot 28 - Cotton Court			
6	Site City	Brunswick	County	Glynn	Zip 31525
7	Property Owner	Brunswick and Glynn County Development Authority			
8	Property Owner Mailing Address	4 Glynn Avenue			
9	Property Owner City	Brunswick	State	GA	Zip 31520
10	Property Owner Telephone No.	912-265-6629			
11	Site Contact Person	Mr. Nathan Sparks	Title	Executive Director	
12	Site Contact Company Name	Brunswick and Glynn County Development Authority			
13	Site Contact Mailing Address	4 Glynn Avenue			
14	Site Contact City	Brunswick	State	GA	Zip 31520
15	Site Contact Telephone No.	912-265-6629			
16	Facility Operator Contact Person	N/A	Title		
17	Facility Operator Company Name				
18	Facility Operator Mailing Address				
19	Facility Operator City		State		Zip
20	Facility Operator Telephone No.				

21. CERTIFICATION --I certify under penalty of law that I am the owner of the real property described in this Release Notification and I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

*Nathan Sparks*  
NAME (Please type or print)  
*Nathan Sparks*  
SIGNATURE

*Executive Director*  
TITLE  
*1/19/09*  
DATE

## PART II – RELEASE INFORMATION

**Please provide the following information for EACH release at the site. If additional space is needed to answer any of the following questions, attach additional pages, as necessary.**

**1. Source of this release (i.e., drums, tanks, spills, wastepile etc.). Provide specific information on the suspected or known source of the release, including the source of this information:**  
Property was formerly a portion of the U.S. Naval Air Station - Glynco Base. Areas of the site were used for landfilling activities after base closure.

**2. Release date(s) and any known information about the history of the release, including the physical state of the material (solid, powder/ash, liquid/gas, sludge) and the quantity of material released (lbs, cubic yards, etc.):**  
Release dates - Unknown, Physical State of Material - Liquid

**3. Describe those actions that have been taken to investigate, cleanup or otherwise remediate this release (e.g., removal of source of contamination; soil or water sampling performed; and monitoring wells installed and sampled).**  
Seven test pits were installed to investigate possible materials disposed on-site. Soil and groundwater samples were collected from the test pits. Soil samples were analyzed for volatile organic compounds, semi-volatile organic compounds, RCRA metals and PCBs. Five soil borings were then installed which were converted to temporary monitoring wells. Groundwater samples were collected from the temporary wells and analyzed for volatile organic compounds, and RCRA metals.

**4. Access to the area affected by the release. Check the appropriate box:**

- Inaccessible: A 24-hour surveillance system, or a completely closed barrier or fence to prevent entry.
- Limited Access: Less than 24-hour surveillance system, and/or a barrier or fence that is partially open.
- Unlimited Access: No surveillance, and no barrier or fence.

**If the site is inaccessible or has limited access, then describe site surveillance systems, fences, security personnel or other barriers that would restrict access to the release.**

**5. For soil releases, indicate the type of material covering this release, by checking the appropriate box below.**

- A permanent or otherwise maintained, essentially impenetrable non-earthen material such as concrete or asphalt
- An engineered and maintained earthen material or compacted fill or a high density synthetic material
- Loose earthen fill or native soil
- No cover
- Other

**Describe the type and thickness of the material covering the contaminated soil or wastes.**

**No soil contamination above HSRA Notification Concentrations was detected. No cover exists on this site.**

## PART II – RELEASE INFORMATION

(Continued)

Page 1 of 1

6. Indicate the approximate distance from the edge of the area affected by the release to the nearest residence, playground, day care, school or nursing home.

Less than 300 feet  
 301 to 1000 feet

1001 to 3000 feet  
 3001 to 5280 feet

Greater than 1 mile

Provide the name and address of the nearest residence, playground, day care, school or nursing home.

Name: Golden Isles Career Academy

Address: 4404 Glyngo Parkway, Brunswick, Georgia 31525

7. Indicate the distance between the area affected by the release and the nearest drinking water well (including wells located on the site).

Less than 0.5 miles  
 0.5 to 1 mile

1 to 2 miles  
 2 to 3 miles

Greater than 3 miles

Provide the name of the property owner and address of the location of the closest drinking water well.

Name: Unknown

Address: \_\_\_\_\_

8. Is there any evidence to suspect that a person or a sensitive environment has been exposed to this release?

Yes       No

If yes, provide details on the potentially affected humans or sensitive environments.

### REQUIRED ATTACHMENTS

#### 9. SITE SUMMARY

A. Attach a summary (no longer than one page) that gives a general description of the property, the areas affected by the release both within and beyond the property boundaries, and any actions taken to investigate, clean up or otherwise remediate the property. The summary shall include a description of the property boundaries of the site and adjacent properties as well as a detailed description of the nature and known or estimated extent of the area of contamination. Describe any additional relevant information concerning the nature of the release. In addition to the one page summary, other information concerning the property may also be attached.

B. Attach a site map that shows known or suspected sources as well as the locations of all samples collected at the site. The site map should include outlines of buildings as well as covered ground areas (e.g., parking lots or other paved areas). A legend should be provided to explain any symbols used on the map.

#### 10. U.S.G.S. Topographic Map

Along with this form, you MUST submit an original U.S.G.S. topographical map (1:24000) with the geographic center of the site clearly marked. U.S.G.S. topographic maps are available for purchase on-line at <http://ggsstore.dnr.state.ga.us>.





**Site Summary**  
11.499-Acre Property  
Lot 28 – Cotton Court  
Brunswick, Glynn County, Georgia

In June 2009, S&ME completed a Phase I Environmental Site Assessment (ESA) of two contiguous parcels totaling approximately 16.588 acres in Glynn County, Georgia. The larger of these two parcels (“subject property”) is an approximate 11.499-acre property located off of Cotton Court in the Brunswick-McBride Industrial Park (Lot 28) and south-southeast of the Brunswick Golden Isles Airport. The location of the subject property is shown in Figure 1. A survey of the property is included as Figure 2.

S&ME determined that the subject property was historically a portion of the former U.S. Naval Air Station – Glynco base. Areas of this property were used for landfilling activities after base closure. Materials that were suspected to be deposited on site included former wood blimp hangers, small quantities of paint, household trash, electronic parts, drums of roofing tar, scrap metal and scrap lumber.

In July 2009, S&ME excavated 17 test pits using a rubber tire backhoe. The approximate locations of the test pits are shown in Figure 3. No evidence of waste materials were identified in most of the test pits. Debris that appeared to be primarily composed of metal and wood were identified on one test pit (TP-5) and household waste was noted in two test pits (TP-12 and TP-13). Test pit logs are included as Attachment A.

Soil samples were collected from seven of the test pits and were analyzed for the presence of volatile organic compounds (VOC's), semi-volatile organic compounds (Semi-VOC's), RCRA Metals and polychlorinated biphenyls (PCBs). The results of the sample analyses determined that no constituents were detected above Hazardous Site Response Act (HSRA) Notification Concentrations.

Groundwater samples were collected from five of the test pits. The groundwater samples were analyzed for the presence of VOC's, semi-VOC's, RCRA Metals and PCBs. Detectable concentrations of RCRA metals and volatile organic compounds were present in samples collected from the test pits. Arsenic, chromium, lead and mercury were detected in some of the groundwater samples. Benzene, chlorobenzene and 1,4-dichlorobenzene were also detected in some of the test pit groundwater samples. S&ME concluded that the detected concentrations in groundwater appeared to be attributable to the turbidity of the samples and may not reflect the actual concentrations in groundwater. S&ME subsequently recommended the installation of temporary wells and low flow sample collection in test pit locations which showed detectable concentrations of metals and VOC's.

In August 2009, S&ME installed five soil borings using a track mounted Geoprobe direct push. Each boring was advanced to a depth of 8 to 14 feet below ground surface and was converted to a temporary monitoring well. The temporary wells were 8 to 14 feet deep and were constructed with five to ten feet of ¾ inch slotted, pre-packed PVC screen and five feet of ¾-inch PVC riser. Each well was developed prior to sampling. The depth to groundwater was determined to be between 4.2 feet (TW-2) and 9.61 feet (TW-8). Boring logs for each of the temporary wells are included in Attachment B.

Groundwater samples were collected from each of the temporary wells and analyzed for the presence of cis-1,2-dichloroethene, benzene, chlorobenzene, 1,4-dichlorobenzene and naphthalene and RCRA metals. The results of the groundwater sample analyses detected the presence of barium at concentrations that were in the range of background concentrations. Detectable concentrations of cis-1,2-dichloroethene, benzene, chlorobenzene and 1,4-dichlorobenzene were detected in temporary well TMW-8. Detectable concentrations of benzene, chlorobenzene and 1,4-dichlorobenzene were detected in temporary well TW-

11.499-Acre Property  
Cotton Court  
Brunswick, Glynn County, Georgia  
Release Notification  
Page 2

12. The complete analytical report for test pit and temporary well samples is included as Attachment C.

Based on the results of the investigations, it was determined that no soil or groundwater contamination above HSRA release notifications was detected in Lot 23 (approximately 5.089 acres). Therefore, this release notification is being made for contamination which was discovered in Lot 28 (approximately 11.499 acres).