

**Via E-mail**

August 8, 2014

NCDENR  
Division of Waste Management  
Brownfields Section  
Mail Service Center 1646  
Raleigh, North Carolina 27699-1646

Attn: Ms. Carolyn Minnich

Re: Well Abandonment Report  
PCA International Site (Former)  
815 Matthews-Mint Hill Road  
Matthews, North Carolina  
Brownfields Project No. 16036-12-60  
H&H Job No. HTE-003

Dear Carolyn:

On behalf of Matthews Property 1, LLC and in accordance with Paragraph 13 of the Brownfields Agreement for the former PCA International Site (Brownfields Project No. 16036-12-60), Hart & Hickman, PC (H&H) is providing a summary of the well abandonment activities performed at the Former PCA International Site located at 815 Matthews-Mint Hill Road, Matthews, NC.

On July 3, 2014, two out of use water supply wells at the site were abandoned by South Atlantic Environmental Drilling and Construction Company (SAEDACCO), a North Carolina licensed well driller. The locations of the wells are indicated in the attached figure. Prior to the abandonment, H&H notified the DENR Brownfields Section on June 11, 2014 of the planned abandonment and we obtained a well abandonment permit from Mecklenburg County. The wells were abandoned in accordance with North Carolina Title 15A Subchapter 2C and Mecklenburg County well regulations. Mr. Josh Sellers with Mecklenburg County was present during the abandonment activities.

WSW-1 was used for drinking water (prior to connection of the property to municipal water) and then irrigation. WSW-1 was six inches in diameter and a well tag on the well indicated that casing was set to 108 ft and its depth was 250 ft. H&H gauged the depth of the well prior to abandonment and it was determined to be 265 ft. WSW-2 was used for production/cooling tower water. This well was 6 inches in diameter and did not have a tag on it. H&H gauged the depth of the well prior to abandonment and it was determined to be greater than 300 ft deep (maximum length of the water level meter tape). Based upon the amount of gravel placed in the well as part of its abandonment, the well was estimated to be approximately 450 ft deep.

WSW-1 and WSW-2 were filled to 120 ft below ground surface (bgs) with washed stone. Grout was mixed onsite and then placed into the well using a one inch PVC tremie pipe to finish filling the well. Well abandonment records for the wells are attached as Appendix A.

If you have any questions or comments concerning this submittal, please do not hesitate to contact us.

Sincerely,

*Hart & Hickman, PC*



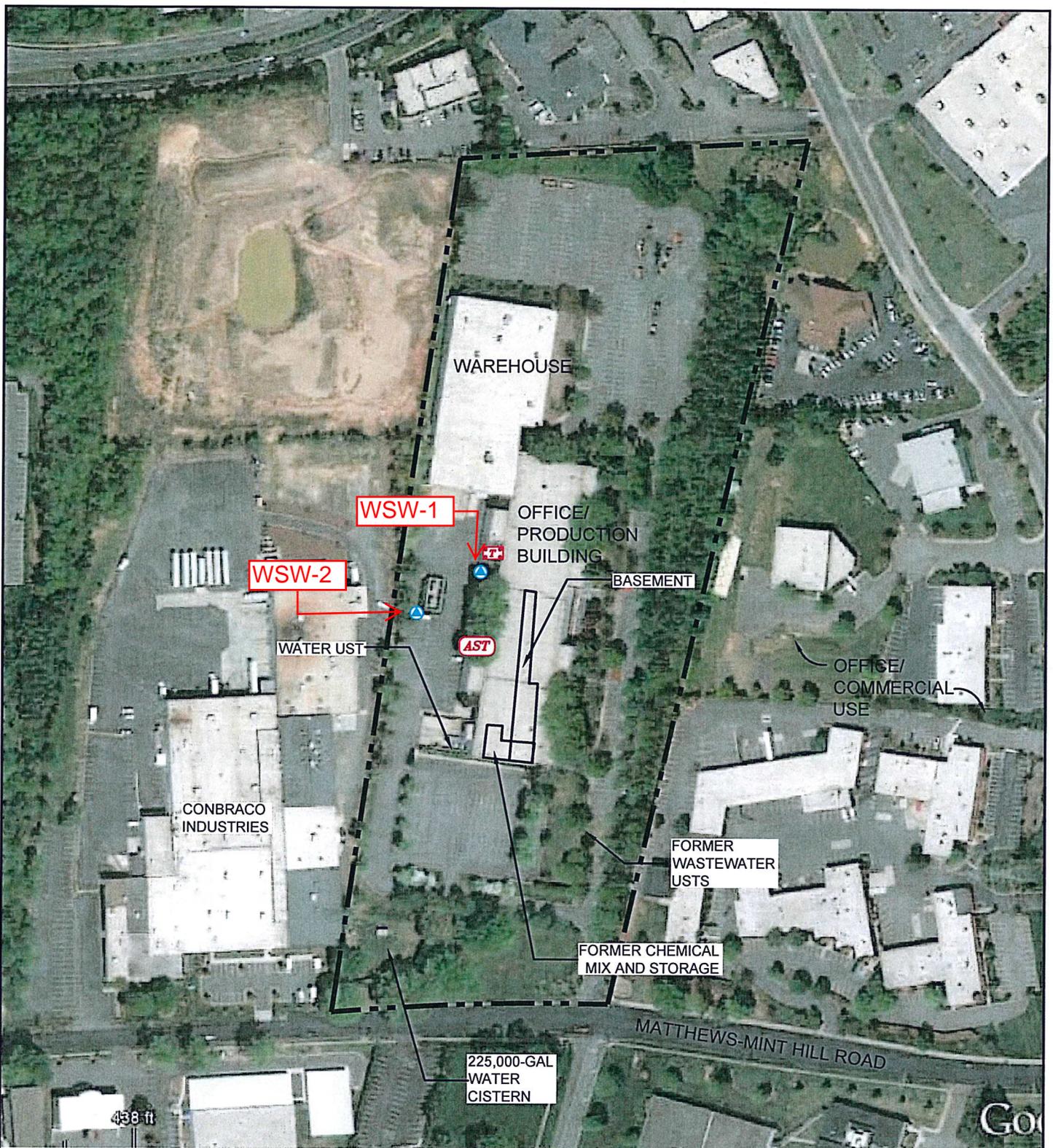
Gabriel Steil  
Staff Scientist



Steven Hart, PG  
Principal

cc via email:  
Michael Burdette  
John Eapen

S:\AAA-Master Projects\Harris Teeter - HTE\HTE-003 PCAN\Phase 1 ESA\Figure 2 Site Map.dwg, FIG 2, 8/21/2012 7:28:42 AM, jharriger



**LEGEND**

- SITE PROPERTY BOUNDARY
  - T PAD MOUNTED TRANSFORMER
  - AST ABOVE GROUND STORAGE TANK
  - ▲ WATER SUPPLY WELL
- 

APPROXIMATE  
220                      440

SCALE IN FEET

NOTE: ALL LOCATIONS APPROXIMATE

TITLE <b>SITE MAP</b>	
PROJECT <b>FORMER PCA FACILITY 815 MATTHEWS-MINT HILL ROAD MATTHEWS, NORTH CAROLINA</b>	
	
2923 South Tryon Street-Suite 100 Charlotte, North Carolina 28203 704-586-0007(p) 704-586-0373(f) License # C-1269 / #C-245 Geology	
DATE: 08-17-12	REVISION NO. 0
JOB NO. HTE-003	FIGURE NO. 2

**Appendix A**  
**Well Abandonment Records**



# WELL ABANDONMENT RECORD

North Carolina Department of Environment and Natural Resources- Division of Water Quality

WELL CONTRACTOR CERTIFICATION # 2284-A

### 1. WELL CONTRACTOR:

Steve Poloniewicz  
Well Contractor (Individual) Name

SAEDACCO Inc  
Well Contractor Company Name

STREET ADDRESS 9088 Northfield Drive

Fort Mill SC 29707  
City or Town State Zip Code

( ) - (803)548-2180  
Area code - Phone number

### 2. WELL INFORMATION:

SITE WELL ID # (if applicable) Wsw-1

STATE WELL PERMIT # (if applicable) \_\_\_\_\_

COUNTY WELL PERMIT # (if applicable) \_\_\_\_\_

DWQ or OTHER PERMIT # (if applicable) \_\_\_\_\_

WELL USE (Check applicable use):  Monitoring  Residential

Municipal/Public  Industrial/Commercial  Agricultural

Recovery  Injection  Irrigation

Other (list use) \_\_\_\_\_

### 3. WELL LOCATION:

COUNTY Mecklenburg QUADRANGLE NAME \_\_\_\_\_

NEAREST TOWN: Mathews

815 Matthews-Mint Hill Rd. Matthews, NC

(Street/Road Name, Number, Community, Subdivision, Lot No., Parcel, Zip Code)

TOPOGRAPHIC / LAND SETTING:

Slope  Valley  Flat  Ridge  Other \_\_\_\_\_

(Check appropriate setting)

LATITUDE \_\_\_\_\_

LONGITUDE \_\_\_\_\_

May be in degrees, minutes, seconds, or in a decimal format

Latitude/longitude source:  GPS  Topographic map

(Location of well must be shown on a USGS topo map and attached to this form if not using GPS.)

4a. FACILITY- The name of the business where the well is located. Complete 4a and 4b. (If a residential well, skip 4a; complete 4b, well owner information only.)

FACILITY ID #(if applicable) \_\_\_\_\_

NAME OF FACILITY Former PCA site

STREET ADDRESS Mathews mint hill Rd

Mathewd NC  
City or Town State Zip Code

### 4b. CONTACT PERSON/WELL OWNER:

NAME Gabe steil

STREET ADDRESS \_\_\_\_\_

### 5. WELL DETAILS:

a. Total Depth: 265 ft. Diameter: 6" in.

b. Water Level (Below Measuring Point): \_\_\_\_\_ ft.  
Measuring point is \_\_\_\_\_ ft. above land surface.

### 6. CASING:

a. Casing Depth (if known): 108' ft. 6" in.

b. Casing Removed: \_\_\_\_\_ ft. \_\_\_\_\_ in.

### 7. DISINFECTION:

(Amount of 65%-75% calcium hypochlorite used)

### 8. SEALING MATERIAL:

#### Neat Cement

Cement 1,940 lb.  
Water 140 gal.

#### Sand Cement

Cement \_\_\_\_\_ lb.  
Water \_\_\_\_\_ gal.

#### Bentonite

Bentonite \_\_\_\_\_ lb.

Type:  Slurry  Pellets

Water \_\_\_\_\_ gal.

#### Other

Type material pea gravel

Amount 120' to 265'

### 9. EXPLAIN METHOD OF EMPLACEMENT OF MATERIAL:

Trimmie grout Bottom to top

10. WELL DIAGRAM: Draw a detailed sketch of the well on the back of this form showing total depth, depth and diameter of screens (if any) remaining in the well, gravel interval, intervals of casing perforations, and depths and types of fill materials used.

11. DATE WELL ABANDONED 7/03/2014

I DO HEREBY CERTIFY THAT THIS WELL WAS ABANDONED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

Steve Poloniewicz 7/15/2014  
SIGNATURE OF CERTIFIED WELL CONTRACTOR DATE

\_\_\_\_\_  
SIGNATURE OF PRIVATE WELL OWNER ABANDONING THE WELL DATE  
(The private well owner must be an individual who personally abandons his/her residential well in accordance with 15A NCAC 2C .0113.)

\_\_\_\_\_  
PRINTED NAME OF PERSON ABANDONING THE WELL



# WELL ABANDONMENT RECORD

North Carolina Department of Environment and Natural Resources- Division of Water Quality

## WELL CONTRACTOR CERTIFICATION # 2284-A

### 1. WELL CONTRACTOR:

Steve Poloniewicz  
Well Contractor (Individual) Name

SAEDACCO Inc  
Well Contractor Company Name

STREET ADDRESS 9088 Northfield Drive

Fort Mill SC 29707  
City or Town State Zip Code

( ) - (803)548-2180  
Area code - Phone number

### 2. WELL INFORMATION:

SITE WELL ID # (if applicable) Wsw-2

STATE WELL PERMIT # (if applicable) \_\_\_\_\_

COUNTY WELL PERMIT # (if applicable) \_\_\_\_\_

DWQ or OTHER PERMIT # (if applicable) \_\_\_\_\_

WELL USE (Check applicable use):  Monitoring  Residential

Municipal/Public  Industrial/Commercial  Agricultural

Recovery  Injection  Irrigation

Other (list use) \_\_\_\_\_

### 3. WELL LOCATION:

COUNTY Mecklenburg QUADRANGLE NAME \_\_\_\_\_

NEAREST TOWN: Mathews

815 Matthews-Mint Hill Rd. Matthews, NC

(Street/Road Name, Number, Community, Subdivision, Lot No., Parcel, Zip Code)

TOPOGRAPHIC / LAND SETTING:

Slope  Valley  Flat  Ridge  Other \_\_\_\_\_

(Check appropriate setting)

LATITUDE \_\_\_\_\_

LONGITUDE \_\_\_\_\_

May be in degrees, minutes, seconds, or in a decimal format

Latitude/longitude source:  GPS  Topographic map

(Location of well must be shown on a USGS topo map and attached to this form if not using GPS.)

4a. FACILITY- The name of the business where the well is located. Complete 4a and 4b. (If a residential well, skip 4a; complete 4b, well owner information only.)

FACILITY ID #(if applicable) \_\_\_\_\_

NAME OF FACILITY Former PCA site

STREET ADDRESS Mathews mint hill Rd

Mathewd NC  
City or Town State Zip Code

### 4b. CONTACT PERSON/WELL OWNER:

NAME Gabe steil

STREET ADDRESS \_\_\_\_\_

### 5. WELL DETAILS:

a. Total Depth: 450 ft. Diameter: 6" in.

b. Water Level (Below Measuring Point): \_\_\_\_\_ ft.  
Measuring point is \_\_\_\_\_ ft. above land surface.

### 6. CASING:

a. Casing Depth (if known): 110' ft. 6" in.

b. Casing Removed: \_\_\_\_\_ ft. \_\_\_\_\_ in.

### 7. DISINFECTION:

(Amount of 65%-75% calcium hypochlorite used)

### 8. SEALING MATERIAL:

#### Neat Cement

Cement 1,940 lb.  
Water 140 gal.

#### Sand Cement

Cement \_\_\_\_\_ lb.  
Water \_\_\_\_\_ gal.

#### Bentonite

Bentonite \_\_\_\_\_ lb.

Type:  Slurry  Pellets

Water \_\_\_\_\_ gal.

#### Other

Type material pea gravel

Amount 120' to 450'

### 9. EXPLAIN METHOD OF EMPLACEMENT OF MATERIAL:

Trimmie grout Bottom to top

10. WELL DIAGRAM: Draw a detailed sketch of the well on the back of this form showing total depth, depth and diameter of screens (if any) remaining in the well, gravel interval, intervals of casing perforations, and depths and types of fill materials used.

11. DATE WELL ABANDONED 7/03/2014

I DO HEREBY CERTIFY THAT THIS WELL WAS ABANDONED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

Steve Poloniewicz  
SIGNATURE OF CERTIFIED WELL CONTRACTOR

7/15/2014  
DATE

SIGNATURE OF PRIVATE WELL OWNER ABANDONING THE WELL DATE  
(The private well owner must be an individual who personally abandons his/her residential well in accordance with 15A NCAC 2C .0113.)

PRINTED NAME OF PERSON ABANDONING THE WELL