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Winston-Salem
Regional Office

April 16, 2008

Mr. Michael DePalma
Piedmont Natural Gas Company, Inc.
PO Box 33068
Charlotte, North Carolina 28233

Subject: **UST Closure Report
PNG Operations Center
2623 Uwharrie Road
High Point, North Carolina
Facility ID: 0-009658
MACTEC Project 6228-07-4191-04**

Dear Mr. DePalma:

MACTEC Engineering and Consulting, Inc. (MACTEC) is pleased to submit this UST Closure Report for the referenced site located in High Point, North Carolina. The report was prepared in the UST-12 format requested by the North Carolina Department of Environment and Natural Resources (NCDENR), Division of Waste Management (DWM), UST Section.

This report is intended for the use of Piedmont Natural Gas Company, Inc. only. Reliance on this document by any other party is forbidden without the expressed written consent of MACTEC and that party's acceptance of mutually agreeable terms and conditions. Use of this report for purposes beyond those reasonably intended by Piedmont Natural Gas Company, Inc. (Client) and MACTEC will be at the sole risk of the user.

MACTEC appreciates the continued opportunity to provide our environmental consulting services. If you have questions concerning this report or this project, contact us at 704-357-8600.

Sincerely,

MACTEC ENGINEERING AND CONSULTING, INC.

Matthew T. Miller
Project Environmental Scientist

For.....*Matthew T. Miller*.....
Enclosures **With Permission**

Christopher L. Corbett, P.G.
Principal Geologist
Registered, NC #10157

EXECUTIVE SUMMARY

PROPERTY NAME: PNG Operations Center
LOCATION: 2623 Uwharrie Road
High Point, North Carolina

Background Information

The subject property is located in the southeast quadrant of the intersection of Bedford Street and Uwharrie Road in High Point, North Carolina. The subject property is occupied by a one-story building that is utilized for office/warehouse space and several equipment buildings. The remaining areas of the subject property are primarily utilized for parking and equipment storage. Piedmont Natural Gas Company, Inc. retained MACTEC to remove and dispose of one underground gasoline storage tank (UST) and its contents that is located in the north-central portion of the site near Bedford Street. PNG has reportedly operated this gasoline tank since 1991. The tank was used primarily for fueling company vehicles. Figures 1 and 2 show the approximate location of the subject property and Figure 3 shows the approximate location of the UST on the subject property.

Field Activities

MACTEC retained A&D Environmental Services, Inc. (A&D) as a subcontractor to remove and dispose of the UST and associated product lines. A&D mobilized equipment to remove the UST on March 12, 2008 and March 13, 2008. A&D removed and disposed of concrete and asphalt overlying the tank on March 12, 2008. MACTEC personnel provided oversight of the excavation activities. A&D personnel entered the tank and utilized a pressure washer to spray the contents of the tank to remove sludge and residual fluids. A&D removed approximately 377 gallons of gasoline and water from the UST, dispenser and product lines. After cleaning the interior of the tank, A&D removed the UST and product lines. The removed fueling system consisted of one fiberglass 8,000-gallon gasoline UST, a dispenser, and product lines. The disposal manifests are included as Attachment B.

MACTEC personnel collected three soil samples from beneath the UST, four sidewall samples and one soil sample along the product line near the bottom of the dispenser/pump island. Pace Analytical Services, Inc. (Pace) analyzed the soil samples for Total Petroleum Hydrocarbons (TPH)-Gasoline by EPA Method 5035B/5030B/8015. The excavation was backfilled to grade on March 28, 2008 after receiving the analytical results. The excavation was patched and paved with asphalt during the week of April 8, 2008.

Laboratory Results

The results of the laboratory analysis identified gasoline constituents in the soil sample obtained from the product line/dispenser area (PL-1) at a concentration of 8.5 mg/kg. The TPH-GRO concentrations detected in sample PL-1 did not exceed the current NCDENR action level of 10 mg/kg. Gasoline constituents were not detected in the samples obtained from the four sidewalls (NW-1, SW-1, EW-1 and WW-1) and three bottom samples (EB-1, CB-1 and WB-1). Copies of the laboratory analytical data reports are provided in Appendix D.

Conclusions and Recommendations

Based on the results of the closure analyses, MACTEC recommends no further assessment of the UST at this time.

**UNDERGROUND STORAGE TANK CLOSURE REPORT
PNG OPERATIONS CENTER
2623 UWHARRIE ROAD
HIGH POINT, NORTH CAROLINA 27263**

I. General Information

A. Ownership of UST(s)

1. Name of UST owner, owner address and telephone number:

**Piedmont Natural Gas Company, Inc.
P.O. Box 33068
Charlotte, North Carolina 28233
(704) 731-4672**

B. Facility Information

1. Facility name: **PNG-Operations Center**
2. Facility ID #: **0-009658**
3. Facility address, telephone number and county:

**2623 Uwharrie Road
High Point, North Carolina 27263
Guilford County
Telephone: (336) 862-8511**

C. Contacts

1. Name, address, telephone number and job title of current property owner contact person:

**Mr. Matt Kanés
Piedmont Natural Gas Company, Inc.
PO Box 33068
Charlotte, North Carolina 28233
(704) 731-4672**

2. Name, address and telephone number of closure contractor:

**Mr. Jerry Stanley
A & D Environmental Services, Inc.
P.O. Box 484
High Point, North Carolina 27261
(336) 434-7750**

3. Name, address and telephone number of primary consultant:

Mr. Christopher L. Corbitt, P.G.
MACTEC Engineering and Consulting, Inc.
2801 Yorkmont Road, Suite 100
Charlotte, North Carolina 28208
(704) 357-5564

4. Name, address, telephone number, and State certification number of laboratory:

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, North Carolina
(704) 875-9092
North Carolina Certification Number 329

D. UST Information

Tank Number	Installation Date	Approximate Size (in Gallons)	Tank Dimensions (in feet)	Last Contents	Previous Contents (if any)
1	1991	8,000	26.5 x 8	Gasoline	Same

E. Site Characteristics

1. Describe any past releases at this subject property:

MACTEC was provided no information relative to past known releases of petroleum products at the site.

2. Is the facility active or inactive at this time? If the facility is inactive note the last time the USTs were in operation:

The subject property is actively used as an operations center for Piedmont Natural Gas and the gasoline UST was used in the past to fuel company trucks. The last date the UST was in operation was reportedly in February 2008.

3. Describe surrounding property use (for example, residential, commercial, farming, etc.)

The subject property is bound to the north by Bedford Road and commercial businesses, to the west by Uwharrie Road and a furniture manufacturing plant, to the south by residences and Mobilift, a

material handling facility and to the east by wooded land and a commercial printing facility. The surrounding area is primarily developed as commercial and industrial. A Site Location/Surrounding Property map is included as Figure 1.

4. Describe subject property geology/hydrogeology

The subject property is located within the Carolina Slate Belt of the Piedmont Physiographic Province consisting of low rounded hills and long rolling northeast to southwest trending ridges with incised creek channels. Based on a review of the geologic map, the subject property is underlain by metamorphosed gabbro and diorite.

The Soil Survey of Guilford County indicates that soils at the subject property are classified as Mecklenburg-Urban Land complex. Mecklenburg soils are well drained and found on side slopes of upland areas. Urban land designates areas where 85 percent of the ground surface area is covered with asphalt, concrete, buildings or other cover. The natural characteristics of these soils have been altered or destroyed by construction activities.

Based on the USGS topographic map, the elevation of the subject property is approximately 910 feet above mean sea level. Surface drainage patterns within the Piedmont typically indicate the direction contaminants would be transported by surface water or groundwater. Based on our interpretation of the topographic map and on-site observations, surface water on the subject property would be expected to flow to the north towards Bedford Street.

The direction and movement of groundwater through soil is dependent on soil type and the presence of relict structures and textures of the underlying rock. Fractures, faults, folds and foliation planes affect the migration of groundwater in rock. Since no significant geologic features were identified near the subject property, it is reasonable to assume that the direction of near-surface groundwater flow under static conditions (no pumping interference) approximates the surface topography of the subject property. Groundwater at the subject property is expected to flow to the north.

II. Closure Procedures

- A. Describe preparations for closure including the steps taken to notify authorities, permits obtained and the steps taken to clean and purge the tanks:

The UST-2 form (Appendix A) provides information on the closure performed by A&D Environmental Services, Inc.

- B. Note the amount of residual material pumped from the tank(s):

Approximately 377 gallons of a gasoline, sludge and water mixture was removed from the tank by A&D on March 12, 2008. The waste manifest for disposal of the residual liquids is included in Appendix B.

- C. Describe the storage, sampling and disposal of the residual material:

Residual gasoline and sludge was pumped into a tanker truck and hauled to A&D Environmental Services, Inc. in High Point, North Carolina for disposal. The liquids were treated as non-hazardous. No sampling or analytical testing was performed.

- D. Excavation

1. Describe excavation procedures noting the condition of the soils and the dimensions of the excavation in relation to the tanks, piping and/or pumps:

An 8,000-gallon gasoline UST was removed from the site on March 13, 2008. Initially, concrete and asphalt overlying the tank was removed. A mixture of pea gravel and reddish brown clayey silt was excavated from atop and along the sides of the tank using a trackhoe.

The dimensions of the excavation were approximately 35 feet (length) by 18 feet (width) with a depth of approximately 15 feet. The tank was buried approximately four feet below grade.

The product supply lines were buried approximately four feet below the ground surface and extended from the UST to the fuel dispenser within the tank pit (Figure 3). The fuel dispenser was located adjacent to the southwest corner of the excavation. The product lines were removed on March 12, 2008. Soil samples were obtained along the product line, near the dispenser and at the sidewalls and floor of the tank excavation.

The former UST, product lines, and dispenser locations are shown on Figure 3. Photographs of UST closure activities are provided in Appendix C.

2. Note the depth of tank burial(s) (from land surface to top of tank):

The tank was buried approximately four feet below ground surface.

3. Quantity of soil removed:

No petroleum impacted soil was noted in the excavation thus soils and pea gravel were placed back into the excavation.

4. Describe soil type(s):

The sidewalls of the excavation and surrounding soils are reddish brown clayey silt.

5. Type and source of backfill used:

A&D imported additional "clean" fill soils and ABC stone to the subject property for use in backfilling the excavation.

E. Contaminated Soil

1. Describe how it was determined to what extent to excavate the soil:

The extent of excavation was limited to the approximate depths and dimensions of the USTs. No over-excavation was performed.

2. Describe method of temporary storage, sampling and treatment/disposal of soil:

Soil was temporarily stored at the site in stockpiles situated on plastic on asphalt pavement. No petroleum-impacted soils were encountered during the excavation and the pea gravel was placed back into the excavation upon receiving the confirmation analytical results.

III. Site Investigation

A. Provide information on field screening and observations, include methods used to calibrate field screening instrument(s):

An explosimeter was used at the subject property during the tank removal activities. MACTEC's meter was calibrated by Enviro Equipment on March 8, 2008.

B. Describe soil sampling points and sampling procedures used.

Three closure soil samples (EB-1, CB-1 and WB-1) were collected at the bottom of the tank excavation at a depth of about 15 feet below ground surface (bgs). Four sidewall samples were obtained at an approximate depth of 13 feet bgs. Samples were collected directly from the trackhoe bucket using a new pair of nitrile gloves. The samples were analyzed by the laboratory for Total Petroleum Hydrocarbons (TPH)-Gasoline Range Organics (GRO) by EPA Method 8015.

Approximately 20 feet of product line was removed from the excavation. One soil sample was collected under the elbow joint located immediately adjacent to the dispenser at an approximate depth of two feet beneath product piping or about six feet bgs. No sample was collected directly under the dispenser due to the presence of pea gravel. The sample was analyzed by the laboratory for TPH-GRO by EPA Method 8015.

Sample locations are presented on Figure 3.

- C. Describe groundwater or surface water sampling procedures used.

MACTEC did not observe evidence of groundwater in the excavation during the tank removal activities.

- D. Quality control measures

Each sample was collected using a new pair of disposable gloves, placed into laboratory-prepared sample containers, and stored on ice. The samples were delivered under chain-of-custody protocol to Pace Analytical Services, Inc. in Huntersville, North Carolina.

- E. Investigation results

The results of the laboratory analysis identified TPH-GRO in the soil sample submitted for the product line/dispenser (PL-1) at 8.5 mg/kg. The concentration of TPH-GRO did not exceed the NCDENR action level of 10 mg/kg. No petroleum constituents were detected in the samples obtained at the four sidewalls and three bottom samples. Copies of the laboratory analytical data reports are provided in Appendix D.

Table 1: Analytical Results of Closure Soil Samples

Sample Number	Depth of Sample (ft bgs)	TPH-GRO (mg/kg)
NW-1	13	ND
EW-1	13	ND
SW-1	13	ND
WW-1	13	ND
EB-1	15	ND
CB-1	15	ND
WB-1	15	ND
PL-1	6	8.5
State Action Level	--	10

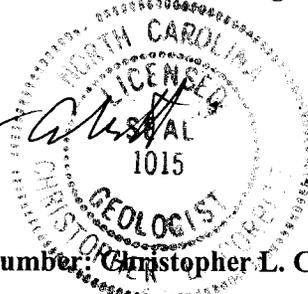
Notes: ND = Not detected

Prepared/Date: MJM 4-16-08
Checked/Date: CUC 4/16/08

IV. Conclusions and Recommendations

The results of the closure analyses did not identify concentrations of gasoline range petroleum hydrocarbons in soils from the tank excavation that exceeded the North Carolina Department of Environment and Natural Resources (NCDENR) established action level of 10 ppm. MACTEC recommends no further assessment of the UST at this time.

V. Signature of Professional Engineer or Licensed Geologist

Licensed Geologist/License Number: Christopher L. Corbitt, P.G. / NC# 1015

VI. Enclosures

A. Figures

Figure 1: Site Location Map/Surrounding Property

Figure 2: Aerial Photograph

Figure 3: Site Plan

B. Appendices

Appendix A: UST-2 Form

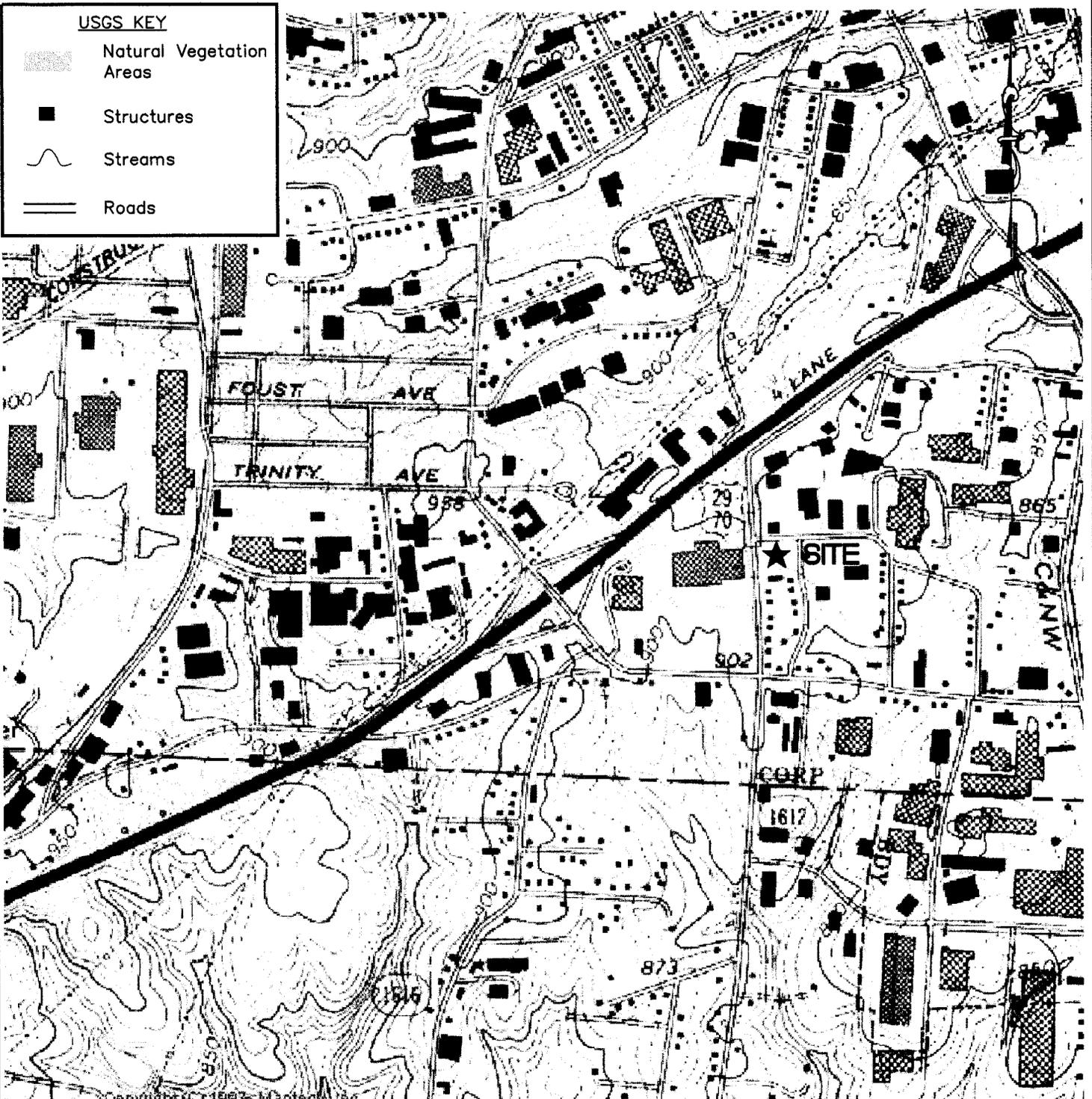
Appendix B: Waste Manifests and Certificates of Disposal

Appendix C: Photographs of Closure Activities

Appendix D: Laboratory Analytical Reports

USGS KEY

-  Natural Vegetation Areas
-  Structures
-  Streams
-  Roads



EXPLANATION

- ★ APPROXIMATE LOCATION OF PROJECT SITE



QUADRANGLE LOCATION



APPROXIMATE SCALE IN FEET

REF.: U.S.G.S. 7.5 MINUTE TOPOGRAPHIC MAP OF HIGH POINT WEST, N.C. QUADRANGLE, DATED 1969; PHOTOREVISED 1987.



SITE LOCATION/SURROUNDING PROPERTY
 PNG OPERATIONS CENTER - UST REMOVAL
 2623 UWHARRIE ROAD
 HIGH POINT, NORTH CAROLINA

PREPARED BY <i>mbu</i>	DATE <i>4/16/08</i>	CHECKED <i>ckc</i>	DATE <i>4/16/08</i>	JOB NO. 6228-07-4191	FIGURE 1
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P:\AutoCAD Drawings\Only\Environmental\2008\6228-08-4191 PNG Operations Center\AERIAL.dwg Fri, 04 Apr 2008 - 12:05pm mharris



EXPLANATION

— APPROXIMATE LOCATION OF SITE BOUNDARY

AERIAL NOT TO SCALE



REF.: 2006 AERIAL PHOTOGRAPH OF GUILFORD COUNTY, NC GIS (GEOGRAPHICAL INFORMATION SERVICES) ON-LINE SERVICES.

MACTEC
 ENGINEERING & CONSULTING, INC.
 CHARLOTTE, NORTH CAROLINA

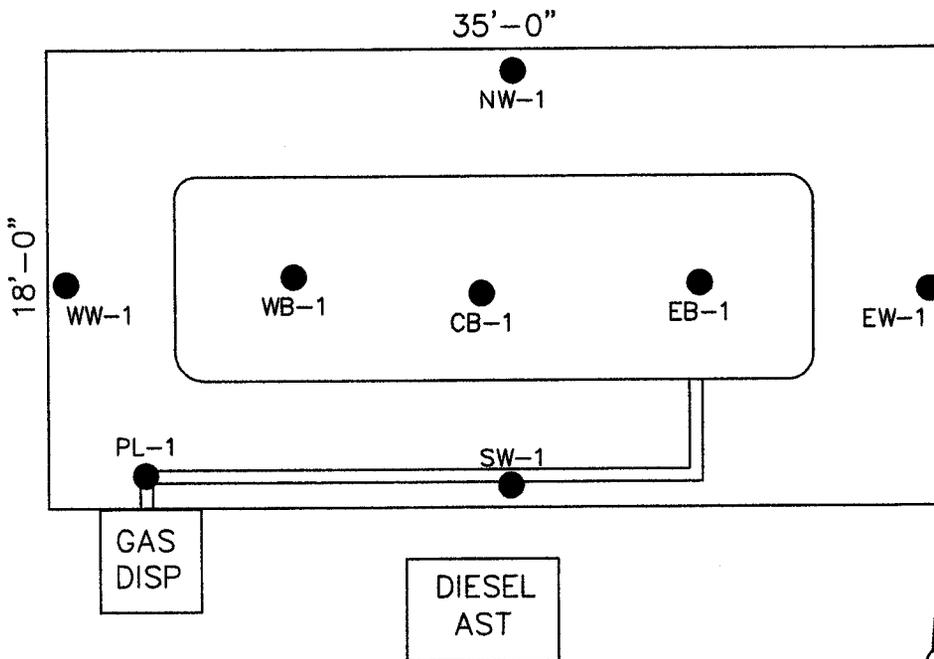
AERIAL PHOTOGRAPH
 PNG OPERATIONS CENTER - UST REMOVAL
 2623 UWHARRIE ROAD
 HIGH POINT, NORTH CAROLINA

PREPARED BY <i>mtc</i>	DATE <i>4/16/08</i>	CHECKED <i>ccc</i>	DATE <i>4/16/08</i>	JOB NO. 6228-07-4191	FIGURE 2
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P:\AutoCAD Drawings Only\Environmental\2007\6228-07-4191\Piedmont Nat Gas High Point\Task 02\SITEPLAN2.dwg Wed, 16 Apr 2008 - 3:24pm mharris

BEDFORD STREET

UWHARRIE ROAD



EXPLANATION

- APPROXIMATE LOCATION OF SAMPLE BORINGS

MAP NOT TO SCALE

PNG OPERATIONS CENTER

REF.: SITE PLAN PREPARED FROM FIELD NOTES BY MACTEC ENGINEERING.



SITE PLAN
 PNG OPERATIONS CENTER - UST REMOVAL
 2623 UWHARRIE ROAD
 HIGH POINT, NORTH CAROLINA

PREPARED BY: <i>Mtm</i>	DATE: <i>4/16/08</i>	CHECKED: <i>CC</i>	DATE: <i>4/16/08</i>	JOB NO. 6228-07-4191	FIGURE 3
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APPENDIX A

UST-2 FORM

UST-2 Site Investigation Report for Permanent Closure or Change-in-Service of UST

Return completed form to:

The DWM Regional Office located in the area where the facility is located. Send a copy to the Central Office in Raleigh so that the status of the tank may be changed to "PERMANENTLY CLOSED" and your tank fee account can be closed out. SEE MAP ON THE BACK OF THIS FORM FOR THE CENTRAL AND REGIONAL OFFICE ADDRESSES.

STATE USE ONLY:

I.D. # _____

Date Received _____

INSTRUCTIONS (READ THIS FIRST)

For more than five UST systems you may attach additional forms as needed.

Permanent closure – For permanent closure, complete all sections of this form.

Change-in-service – For change-in-service where UST systems will be converted from containing a regulated substance to storing a non-regulated substance, complete sections I, II, III, IV, and VIII

Effective February 1, 1995, all UST closure/change-in-service reports must be submitted in the format provided in the UST-12 form. UST closure and change-in-services must be completed in accordance with the latest version of the *Guidelines for Tank Closure*. A copy of the UST-12 form and the *Guidelines for Tank Closure* can be obtained at www.wastenotnc.org.

You must make sure that USTs removed from your property are disposed of properly. When choosing a closure contractor, ask where the tank(s) will be taken for disposal. Usually, USTs are cleaned and cut up for scrap metal. This is dangerous work and must be performed by a qualified company. Tanks disposed of illegally in fields or other dumpsites can leak petroleum products and sludge into the environment. If your tanks are disposed of improperly, you could be held responsible for the cleanup of any environmental damage that occurs.

NOTE: If a release from the tank(s) has occurred, the site assessment portion of the tank closure must be conducted under the supervision of a P.E. or L.G., with all closure site assessment reports bearing the signature and seal of the P.E. or L.G.

I. OWNERSHIP OF TANKS				II. LOCATION OF TANKS			
Owner Name (Corporation, Individual, Public Agency, or Other Entity) Piedmont Natural Gas Company, Inc.				Facility Name or Company PNG-Operations Center			
Street Address PO Box 33068				Facility ID # (if known) 0-009658			
City Charlotte		County Mecklenburg		Street Address 2623 Uwharrie Road			
State NC		Zip Code 28233		City High Point		County Guilford	Zip Code 27263
Phone Number 704 364 3120				Phone Number 336-862-8511			

III. CONTACT PERSONNEL					
Contact for Facility: Tim Ingram		Job Title: Manager		Phone No: 336-862-8511	
Closure Contractor Name: Jerry Stanley		Closure Contractor Company: A&D Environmental		Address: PO Box 484 High Point, NC 27261	
Primary Consultant Name: Matthew Miller		Primary Consultant Company: MACTEC		Address: 2801 Yorkmont Rd, Ste 100, 704 357 8600	

IV. UST INFORMATION FOR REGISTERED UST SYSTEMS							V. EXCAVATION CONDITION					
Tank ID No.	Size in Gallons	Tank Dimensions	Last Contents	Last Use Date	Permanent Close Date	Change-in-Service Date	Water in excavation		Free product		Notable odor or visible soil contamination	
							Yes	No	Yes	No	Yes	No
1	8000	26.5'x8'	Gasoline, Ga	2-15-08	3-13-08		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

VI. UST INFORMATION FOR UNREGISTERED UST SYSTEMS							VII. EXCAVATION CONDITION					
Tank ID No.	Size in Gallons	Tank Dimensions	Last Contents	Last Use Date	Permanent Close Date	Tank Owner Name *	Water in excavation		Free product		Notable odor or visible soil contamination	
							Yes	No	Yes	No	Yes	No
							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

* If the tank owner address is different from the one listed in Section I., then enter the street address, city, state, zip code and telephone no. below:

VIII. CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true accurate and complete.

Print name and official title of owner or owner's authorized representative Matthew Miller	Signature 	Date Signed 3/20/08
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APPENDIX B

WASTE MANIFESTS AND CERTIFICATES OF DISPOSAL

MATERIAL MANIFEST

A & D Environmental and Industrial Services, Inc.

EMERGENCY PHONE NO.
(800) 434 - 7750

POST OFFICE BOX 484
HIGH POINT, NC 27261

TEL (336) 434-7750
FAX (336) 434-7752

Manifest Document No. <i>7-2-1</i>
Page _____ of _____
A & D Job No.

GENERATOR INFORMATION

Name <i>A & D Environmental Services</i>	US EPA ID No.
Street Address <i>2625 Highway 101 High Point, NC</i>	Mailing Address <i>2625 Highway 101 High Point, NC 27261</i>
Phone No. <i>336-434-7750</i>	Contact <i>Tim Parker</i>

DESCRIPTION OF MATERIALS

a.	HM	USDOT Proper Shipping Name (Complete All Items for Hazardous Materials)	Hazard Class or Div.	UN / NA ID No.	Packing Group	Containers		Total Quantity	Unit Wt./ Vol.
						Qty.	Type		
b.									
c.									

ADDITIONAL INFORMATION		ERG No.	A & D Profile Code	Facility Use
a.				
b.				
c.				

GENERATOR'S CERTIFICATION

This is to certify that the above-described materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. I further certify that none of the materials described above are a hazardous waste as defined by EPA 40 CFR Part 261 or any applicable state law, and unless specifically identified above, the materials contain less than 1,000 ppm total halogens and do not contain quantifiable levels (2 ppm) of PCBs as defined by EPA 40 CFR Parts 279 and 761.

Printed / Typed Name	Signature	Mo. / Day / Yr.
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TRANSPORTER INFORMATION

Transporter <i>A & D ENVIRONMENTAL</i>	<i>I hereby acknowledge receipt of the above-described materials for transport from the generator site listed above.</i>	
Address <i>2625 HWY HARRIE ROAD ARCHDALE, NC 27263</i>	Signature <i>Michael Smith</i>	Shipment Date <i>3-18-08</i>
Transporter or EPA ID No. <i>NC106232224</i>	Unit No.	<i>I hereby acknowledge that the above-described materials were received from the generator site and were transported to the facility listed below.</i>
Phone <i>336-434-7750</i>	Signature	Delivery Date

FACILITY INFORMATION

Facility <i>A & D ENVIRONMENTAL</i>	<i>I hereby acknowledge receipt of the materials covered by this manifest except for any discrepancy noted below.</i>	
Address <i>2625 HWY HARRIE ROAD ARCHDALE, NC 27263</i>	Signature	Receipt Date
Facility or EPA ID No. <i>NC106232224</i>	Discrepancies / Routing Codes / Handling Methods	
Phone <i>336-434-7750</i>	a.	
Contact <i>TIM PARKER</i>	b.	
	c.	

APPENDIX C

PHOTOGRAPHS OF CLOSURE ACTIVITIES



Photograph 1: View of excavation area.



Photograph 2: View of Day 1 removal activities (3-12-08).



Photograph 3: View of dispenser removal (3-12-08).



Photograph 4: View of confined space entry (3-12-08).



Photograph 5: View of Day 2 removal activities (3-13-08).



Photograph 6: View of 8,000-gallon fiberglass UST removed from excavation.



Photograph 7: View of excavation pit (3-28-08).



Photograph 8: View of filter fabric placed on pea gravel (backfill).



Photograph 9: View of backfilling red clay on top of filter fabric.

APPENDIX D

LABORATORY ANALYTICAL REPORTS



Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

March 20, 2008

reviewed & received by M/M 3/20/08

Mr. Matt Miller
Mactec Charlotte
2801 Yorkmont Road
Charlotte, NC 28208

RE: Project: PNG HIGH POINT 6228074191
Pace Project No.: 9215381

Dear Mr. Miller:

Enclosed are the analytical results for sample(s) received by the laboratory on March 13, 2008. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

Inorganic Wet Chemistry and Metals analyses were performed at our Pace Asheville laboratory and Organic testing was performed at our Pace Huntersville laboratory unless otherwise footnoted. All Microbiological analyses were performed at the laboratory where the samples were received.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Brenda Pathammavong for
Kevin Godwin
kevin.godwin@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



CERTIFICATIONS

Project: PNG HIGH POINT 6228074191
Pace Project No.: 9215381

Charlotte Certification IDs

Florida/NELAP Certification Number: E87627
Kansas Certification Number: E-10364
Louisiana/LELAP Certification Number: 04034
North Carolina Drinking Water Certification Number: 37706
North Carolina Wastewater Certification Number: 12

North Carolina Field Services Certification Number: 5342
South Carolina Certification Number: 990060001
South Carolina Bioassay Certification Number: 990060003
Tennessee Certification Number: 04010
Virginia Certification Number: 00213

Asheville Certification IDs

Florida/NELAP Certification Number: E87648
Louisiana/LELAP Certification Number: 03095
New Jersey Certification Number: NC011
North Carolina Drinking Water Certification Number: 37712
North Carolina Wastewater Certification Number: 40
North Carolina Bioassay Certification Number: 9

Pennsylvania Certification Number: 68-03578
South Carolina Certification Number: 99030001
South Carolina Bioassay Certification Number: 99030002
Tennessee Certification Number: 2980
Virginia Certification Number: 00072

Eden Certification IDs

North Carolina Drinking Water Certification Number: 37738
Virginia Drinking Water Certification Number: 00424

North Carolina Wastewater Certification Number: 633

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: PNG HIGH POINT 6228074191
Pace Project No.: 9215381

Lab ID	Sample ID	Matrix	Date Collected	Date Received
9215381001	NW-1	Solid	03/13/08 11:21	03/13/08 14:10
9215381002	EW-1	Solid	03/13/08 10:58	03/13/08 14:10
9215381003	SW-1	Solid	03/13/08 11:25	03/13/08 14:10
9215381004	WW-1	Solid	03/13/08 11:35	03/13/08 14:10
9215381005	EB-1	Solid	03/13/08 11:09	03/13/08 14:10
9215381006	WB-1	Solid	03/13/08 11:30	03/13/08 14:10
9215381007	PL-1	Solid	03/13/08 11:40	03/13/08 14:10

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: PNG HIGH POINT 6228074191
Pace Project No.: 9215381

Lab ID	Sample ID	Method	Analysts	Analytes Reported
9215381001	NW-1	ASTM D2974-87	TNM	1
		EPA 8015 Modified	DHW	2
9215381002	EW-1	ASTM D2974-87	TNM	1
		EPA 8015 Modified	DHW	2
9215381003	SW-1	ASTM D2974-87	TNM	1
		EPA 8015 Modified	DHW	2
9215381004	WW-1	ASTM D2974-87	TNM	1
		EPA 8015 Modified	DHW	2
9215381005	EB-1	ASTM D2974-87	JEA	1
		EPA 8015 Modified	DHW	2
9215381006	WB-1	ASTM D2974-87	JEA	1
		EPA 8015 Modified	DHW	2
9215381007	PL-1	ASTM D2974-87	JEA	1
		EPA 8015 Modified	DHW	2

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PNG HIGH POINT 6228074191
Pace Project No.: 9215381

Sample: NW-1 Lab ID: 9215381001 Collected: 03/13/08 11:21 Received: 03/13/08 14:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Gasoline Range Organics		Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B						
Gasoline Range Organics	ND	mg/kg	5.5	1	03/18/08 14:31	03/19/08 16:11	8006-61-9	
4-Bromofluorobenzene (S)	96	%	50-135	1	03/18/08 14:31	03/19/08 16:11	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	22.1	%	0.10	1		03/14/08 08:35		

ANALYTICAL RESULTS

Project: PNG HIGH POINT 6228074191
Pace Project No.: 9215381

Sample: EW-1 Lab ID: 9215381002 Collected: 03/13/08 10:58 Received: 03/13/08 14:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Gasoline Range Organics		Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B						
Gasoline Range Organics	ND	mg/kg	6.5	1	03/18/08 14:31	03/19/08 16:52	8006-61-9	
4-Bromofluorobenzene (S)	83	%	50-135	1	03/18/08 14:31	03/19/08 16:52	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	21.4	%		1		03/14/08 08:35		

ANALYTICAL RESULTS

Project: PNG HIGH POINT 6228074191
Pace Project No.: 9215381

Sample: SW-1 Lab ID: 9215381003 Collected: 03/13/08 11:25 Received: 03/13/08 14:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Gasoline Range Organics		Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B						
Gasoline Range Organics	ND	mg/kg	5.6	1	03/18/08 14:31	03/19/08 17:33	8006-61-9	
4-Bromofluorobenzene (S)	81	%	50-135	1	03/18/08 14:31	03/19/08 17:33	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	20.4	%	0.10	1		03/14/08 08:35		

ANALYTICAL RESULTS

Project: PNG HIGH POINT 6228074191
Pace Project No.: 9215381

Sample: **WW-1** Lab ID: **9215381004** Collected: 03/13/08 11:35 Received: 03/13/08 14:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Gasoline Range Organics		Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B						
Gasoline Range Organics	ND	mg/kg	6.4	1	03/18/08 14:31	03/19/08 17:53	8006-61-9	
4-Bromofluorobenzene (S)	97	%	50-135	1	03/18/08 14:31	03/19/08 17:53	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	25.1	%	0.10	1		03/14/08 08:35		

ANALYTICAL RESULTS

Project: PNG HIGH POINT 6228074191
Pace Project No.: 9215381

Sample: EB-1 Lab ID: 9215381005 Collected: 03/13/08 11:09 Received: 03/13/08 14:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Gasoline Range Organics		Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B						
Gasoline Range Organics	ND	mg/kg	6.7	1	03/18/08 14:31	03/19/08 18:14	8006-61-9	
4-Bromofluorobenzene (S)	84	%	50-135	1	03/18/08 14:31	03/19/08 18:14	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	24.2	%	0.10	1		03/17/08 09:47		

ANALYTICAL RESULTS

Project: PNG HIGH POINT 6228074191
Pace Project No.: 9215381

Sample: WB-1 Lab ID: 9215381006 Collected: 03/13/08 11:30 Received: 03/13/08 14:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Gasoline Range Organics		Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B						
Gasoline Range Organics	ND	mg/kg	7.4	1	03/18/08 14:31	03/19/08 18:34	8006-61-9	
4-Bromofluorobenzene (S)	82	%	50-135	1	03/18/08 14:31	03/19/08 18:34	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	28.2	%	0.10	1		03/17/08 09:47		

ANALYTICAL RESULTS

Project: PNG HIGH POINT 6228074191
Pace Project No.: 9215381

Sample: PL-1 Lab ID: 9215381007 Collected: 03/13/08 11:40 Received: 03/13/08 14:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Gasoline Range Organics		Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B						
Gasoline Range Organics	8.5 mg/kg		6.2	1	03/18/08 14:31	03/19/08 18:54	8006-61-9	
4-Bromofluorobenzene (S)	99 %		50-135	1	03/18/08 14:31	03/19/08 18:54	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	23.2 %		0.10	1		03/17/08 09:48		

QUALITY CONTROL DATA

Project: PNG HIGH POINT 6228074191
Pace Project No.: 9215381

QC Batch: GCV/1843 Analysis Method: EPA 8015 Modified
QC Batch Method: EPA 5035A/5030B Analysis Description: Gasoline Range Organics
Associated Lab Samples: 9215381001, 9215381002, 9215381003, 9215381004, 9215381005, 9215381006, 9215381007

METHOD BLANK: 90086

Associated Lab Samples: 9215381001, 9215381002, 9215381003, 9215381004, 9215381005, 9215381006, 9215381007

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Gasoline Range Organics	mg/kg	ND	6.0	
4-Bromofluorobenzene (S)	%	80	50-135	

LABORATORY CONTROL SAMPLE: 90087

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Gasoline Range Organics	mg/kg	25	27.4	110	70-150	
4-Bromofluorobenzene (S)	%			91	50-135	

MATRIX SPIKE SAMPLE: 90088

Parameter	Units	9215381001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Gasoline Range Organics	mg/kg	ND	23	23.9	102	70-148	
4-Bromofluorobenzene (S)	%				84	50-135	

SAMPLE DUPLICATE: 90089

Parameter	Units	9215381002 Result	Dup Result	RPD	Max RPD	Qualifiers
Gasoline Range Organics	mg/kg	ND	ND	99	30	
4-Bromofluorobenzene (S)	%		85	2		

QUALIFIERS

Project: PNG HIGH POINT 6228074191
Pace Project No.: 9215381

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: PNG HIGH POINT 6228074191
Pace Project No.: 9215381

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
9215381001	NW-1	ASTM D2974-87	PMST/1529		
9215381002	EW-1	ASTM D2974-87	PMST/1529		
9215381003	SW-1	ASTM D2974-87	PMST/1529		
9215381004	WW-1	ASTM D2974-87	PMST/1529		
9215381005	EB-1	ASTM D2974-87	PMST/1534		
9215381006	WB-1	ASTM D2974-87	PMST/1534		
9215381007	PL-1	ASTM D2974-87	PMST/1534		
9215381001	NW-1	EPA 5035A/5030B	GCV/1843	EPA 8015 Modified	GCV/1844
9215381002	EW-1	EPA 5035A/5030B	GCV/1843	EPA 8015 Modified	GCV/1844
9215381003	SW-1	EPA 5035A/5030B	GCV/1843	EPA 8015 Modified	GCV/1844
9215381004	WW-1	EPA 5035A/5030B	GCV/1843	EPA 8015 Modified	GCV/1844
9215381005	EB-1	EPA 5035A/5030B	GCV/1843	EPA 8015 Modified	GCV/1844
9215381006	WB-1	EPA 5035A/5030B	GCV/1843	EPA 8015 Modified	GCV/1844
9215381007	PL-1	EPA 5035A/5030B	GCV/1843	EPA 8015 Modified	GCV/1844



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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 1

1171785

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company: PACE C-Charles He	Report To: Matt Miller	Company Name:	Attention:	Address:	Address:
Address:	Copy To:	Company Name:	Address:	Pace Quote Reference:	Pace Project Manager:
Email To: mtmiller@pace.com	Purchase Order No.:	Pace Quote Reference:	Pace Project Manager:	Pace Profile #:	
Phone: 357 5527 Fax:	Project Name: PNG - High Point	Pace Profile #:			
Requested Due Date/AT:	Project Number: 6228-07-4191				

ITEM #	Section D Required Client Information	Matrix Codes MATRIX / CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test	Residual Chlorine (Y/N)		
					COMPOSITE START	COMPOSITE END/GRAB			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol			Other	
1	NW-1	DW WT Waste Water Product Soil/Solid Oil Wipe Air Tissue Other	SLG	3-13	3-13	1121	1059	3											
2	EW-1					1125	1135												
3	SW-1					1109	1130												
4	NW-1					1140													
5	EB-1																		
6	WB-1																		
7	PL-1																		
8																			
9																			
10																			
11																			
12																			

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	RELINQUISHED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Matt Miller	3-13-08	1140	Winnman	3/13/08	1110	Ice ✓ Custody Sealed ✓ Samples Intact ✓

PRINT Name of SAMPLER: **MATT MILLER**

SIGNATURE OF SAMPLER: *[Signature]*

DATE Signed (MM/DD/YY): **3/13/08**

Temp in °C

Received on Ice (Y/N)

Custody Sealed Cooler (Y/N)

Samples Intact (Y/N)



Sample Condition Upon Receipt

Client Name: Mottec Project # 9215381

Courier: Fed Ex UPS USPS Client Commercial Pace Other _____

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other _____

Thermometer Used T060 Type of Ice: Wet Blue None Samples on ice, cooling process has begun

Cooler Temperature 15.0 Biological Tissue is Frozen: Yes No N/A

Temp should be above freezing to 6°C

Optional:
Proj. Due Date: N/A
Proj. Name: N/A

Date and Initials of person examining contents: JM 3/13

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix:		
All containers needing preservation have been checked.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	<input type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):	N/A	

Client Notification/ Resolution: _____ Field Data Required? Y / N / N/A

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: [Signature]

Date: 3/13/08

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

April 15, 2008

Mr. Chris Corbitt
Mactec Charlotte
2801 Yorkmont Road Suite 100
Charlotte, NC 28208

*Reviewed and
Received by ac
4/16/08*

RE: Project: PNG-HIGH POINT 6228-07-4191.04
Pace Project No.: 9216867

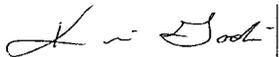
Dear Mr. Corbitt:

Enclosed are the analytical results for sample(s) received by the laboratory on April 08, 2008. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

Inorganic Wet Chemistry and Metals analyses were performed at our Pace Asheville laboratory and Organic testing was performed at our Pace Huntersville laboratory unless otherwise footnoted. All Microbiological analyses were performed at the laboratory where the samples were received.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kevin Godwin

kevin.godwin@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

Page 1 of 9

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CERTIFICATIONS

Project: PNG-HIGH POINT 6228-07-4191.04
Pace Project No.: 9216867

Charlotte Certification IDs

Florida/NELAP Certification Number: E87627

Kansas Certification Number: E-10364

Louisiana/LELAP Certification Number: 04034

North Carolina Drinking Water Certification Number: 37706

North Carolina Wastewater Certification Number: 12

North Carolina Field Services Certification Number: 5342

South Carolina Certification Number: 990060001

South Carolina Bioassay Certification Number: 990060003

Tennessee Certification Number: 04010

Virginia Certification Number: 00213

Asheville Certification IDs

Florida/NELAP Certification Number: E87648

Louisiana/LELAP Certification Number: 03095

New Jersey Certification Number: NC011

North Carolina Drinking Water Certification Number: 37712

North Carolina Wastewater Certification Number: 40

North Carolina Bioassay Certification Number: 9

Pennsylvania Certification Number: 68-03578

South Carolina Certification Number: 99030001

South Carolina Bioassay Certification Number: 99030002

Tennessee Certification Number: 2980

Virginia Certification Number: 00072

Eden Certification IDs

North Carolina Drinking Water Certification Number: 37738

Virginia Drinking Water Certification Number: 00424

North Carolina Wastewater Certification Number: 633

REPORT OF LABORATORY ANALYSIS

Page 2 of 9

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SAMPLE SUMMARY

Project: PNG-HIGH POINT 6228-07-4191.04
Pace Project No.: 9216867

Lab ID	Sample ID	Matrix	Date Collected	Date Received
9216867001	CB-1	Solid	04/07/08 12:40	04/08/08 13:15

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: PNG-HIGH POINT 6228-07-4191.04
Pace Project No.: 9216867

Lab ID	Sample ID	Method	Analysts	Analytes Reported
9216867001	CB-1	ASTM D2974-87	TNM	1
		EPA 8015 Modified	DHW	2

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PNG-HIGH POINT 6228-07-4191.04
Pace Project No.: 9216867

Sample: CB-1 Lab ID: 9216867001 Collected: 04/07/08 12:40 Received: 04/08/08 13:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Gasoline Range Organics		Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B						
Gasoline Range Organics	ND	mg/kg	5.7	1	04/10/08 13:39	04/11/08 10:17	8006-61-9	
4-Bromofluorobenzene (S)	83	%	50-135	1	04/10/08 13:39	04/11/08 10:17	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	21.5	%	0.10	1		04/09/08 09:30		

QUALITY CONTROL DATA

Project: PNG-HIGH POINT 6228-07-4191.04
Pace Project No.: 9216867

QC Batch: GCV/1936 Analysis Method: EPA 8015 Modified
QC Batch Method: EPA 5035A/5030B Analysis Description: Gasoline Range Organics
Associated Lab Samples: 9216867001

METHOD BLANK: 99814
Associated Lab Samples: 9216867001

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Gasoline Range Organics	mg/kg	ND	6.0	
4-Bromofluorobenzene (S)	%	82	50-135	

LABORATORY CONTROL SAMPLE: 99815

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Gasoline Range Organics	mg/kg	25	23.7	95	70-150	
4-Bromofluorobenzene (S)	%			85	50-135	

MATRIX SPIKE SAMPLE: 99816

Parameter	Units	9216867001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Gasoline Range Organics	mg/kg	ND	23.9	23.9	99	70-148	
4-Bromofluorobenzene (S)	%				82	50-135	

SAMPLE DUPLICATE: 99817

Parameter	Units	9216812001 Result	Dup Result	RPD	Max RPD	Qualifiers
Gasoline Range Organics	mg/kg	ND	ND	84	30	
4-Bromofluorobenzene (S)	%		78	2		

QUALIFIERS

Project: PNG-HIGH POINT 6228-07-4191.04
Pace Project No.: 9216867

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: PNG-HIGH POINT 6228-07-4191.04
Pace Project No.: 9216867

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
9216867001	CB-1	ASTM D2974-87	PMST/1579		
9216867001	CB-1	EPA 5035A/5030B	GCV/1936	EPA 8015 Modified	GCV/1937

