



June 13, 2016

Mr. Kenneth Rhame
On-Scene Coordinator
U.S. Environmental Protection Agency, Region 4
61 Forsyth Street, SW
Atlanta, Georgia 30303

**Subject: Emergency Response Letter Report
 Long Creek WWTP Mercury Spill
 Albemarle, Stanly County, North Carolina
 Contract Number: EP-S4-14-03
 TDD Number: TT-01-048**

Dear Mr. Rhame:

The Tetra Tech, Inc. (Tetra Tech) Superfund Technical Assessment and Response Team (START) submits this letter report summarizing the emergency response, conducted between March 17 and 30, 2016, at the City of Albemarle Long Creek Wastewater Treatment Plant (WWTP) in Albemarle, Stanly County, North Carolina. This report includes four enclosures. Enclosure 1 contains figures, including a site location map and site layout map. Enclosure 2 contains a photographic log of the response activities. Enclosure 3 contains a copy of the Tetra Tech START logbook notes. Enclosure 4 contains a table of witnesses. Attachment 1 contains the cleanup contractor's clearance sample results.

BACKGROUND

In about 2008, the City of Albemarle began collecting and consolidating elemental mercury from various city laboratories, offices, and departments, and storing it in a room on the second floor of the Long Creek Wastewater Treatment Plant (WWTP) office building, located at 1040 Coble Avenue in Albemarle (see Figure 1 in Enclosure 1). In early March, 2016, the plant operator noticed that one of the plastic buckets that contained the mercury leaked and spilled elemental mercury onto the concrete floor in the room. The city solicited bids from cleanup contractors to recover, transport, and dispose of the mercury. The city's contractor assessed the spill on March 16 and concluded that it may have exceeded the reportable quantity and that the cleanup would require a more detailed work plan. Based on the contractor's recommendation, Albemarle reported the incident to the National Response Center and the North Carolina Department of Environmental Quality.

The U.S. Environmental Protection Agency (EPA) on-scene coordinator (OSC) assigned to North Carolina mobilized to the site on March 17 to conduct an initial assessment. Based on his initial assessment, the OSC mobilized START contractors to conduct a mercury screening of the building to delineate the extent of contamination.

RESPONSE ACTIONS

Tetra Tech mobilized to the site on March 17 to provide response documentation and to conduct mercury vapor screening. Using a Lumex Portable Mercury Vapor Analyzer (Lumex), Tetra Tech screened the



WWTP office building to assess the extent of contamination. The maximum mercury vapor level detected on the first floor was about 500 nanograms per cubic meter (ng/m^3) in the northwest wet laboratory, a room used for wastewater analysis. This level is less than the non-residential (worker) clearance level of $3,000 \text{ ng}/\text{m}^3$. Tetra Tech then proceeded to the second floor, where the spill occurred. Tetra Tech screened the stairwell leading to the second floor and found no evidence of mercury being tracked down the stairs.

The second story of the WWTP office building is divided into two rooms (see Figure 2 in Enclosure 1). The larger eastern room is used primarily to store surplus or used plant equipment such as pumps and motors. The smaller western room, where the mercury spilled, is used to store miscellaneous equipment and chemicals. Ambient mercury vapor levels in the eastern room were around $250 \text{ ng}/\text{m}^3$; Tetra Tech found no evidence that mercury had been tracked into the larger eastern room. Tetra Tech next evaluated the western room, where the spill had occurred. A visual assessment and Lumex screening suggested that elemental mercury was confined to an approximately 6-foot radius around the leaking bucket. The maximum Lumex reading around the spill were $8,000 \text{ ng}/\text{m}^3$. Before the field crew left the west room, Tetra Tech opened windows to increase ventilation within the room.

Before EPA left the site on March 17th, OSC Rhame requested Albemarle restrict access and ventilation to the wet laboratory overnight to attempt to produce worst-case scenario conditions. The following morning and afternoon, Tetra Tech screened the laboratory with the Lumex and determined that no clearance levels were exceeded. Based on these readings, EPA declared the first floor suitable for unrestricted use.

Albemarle further concluded that an additional small quantity of elemental mercury was reportedly located at the town water treatment facility, located at 2510 Highway 52, on the northern side of Albemarle. EPA therefore directed Tetra Tech to screen areas around the mercury container with the Lumex, safely overpack the container, and transport the overpack to the WWTP to be staged in the upstairs storage room with the spilled mercury. Tetra Tech identified no evidence of leaking mercury at the Highway 52 plant with the Lumex and safely overpacked and transported an estimated 55 pounds ($\frac{1}{2}$ gallon) of elemental mercury back to the WWTP.

CLEANUP ACTIONS

The City of Albemarle decided to hire cleanup contractors for the mercury removal (instead of asking EPA to lead the cleanup). EPA requested that the contractor, A&D Environmental (A&D), prepare a work plan for EPA review and collect a clearance air sample after the cleanup for laboratory analysis.

Tetra Tech returned to the site on March 28, the first day of cleanup operations, to review site conditions with A&D and ensure that decontamination procedures were adequate. Tetra Tech returned to the site on March 30, the final day of cleanup, to screen the spill area with the Lumex before clearance sampling. Several areas, mainly hairline cracks in the concrete floor, exhibited high levels of mercury vapor. Tetra Tech communicated this information to A&D, which implemented additional heating/venting and treatment with mercury absorbent.

On April 4, A&D collected two clearance air samples from within the WWTP: one from the upstairs storage room where the spill occurred, and one from downstairs. Both samples were analyzed for mercury vapor by National Institute for Occupational Safety and Health (NIOSH) Method 6009. No mercury was detected in either sample, with a reporting limit of $100 \text{ ng}/\text{m}^3$.

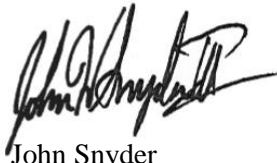


CONCLUSION

Based on the results of the clearance samples, A&D has adequately abated the mercury spill in the Long Creek WWTP office building. A&D is currently arranging proper transportation and disposal of the mercury recovered.

If you have any questions or need additional copies of this letter report, please call me, John Snyder, at (678) 775-3085.

Sincerely,



John Snyder
Tetra Tech START IV Project Manager



Andrew F. Johnson
Tetra Tech START IV Program Manager

Enclosures (4)

Attachments (1)

cc: Katrina Jones, EPA Project Officer
Angel Reed, Tetra Tech START IV Document Control Coordinator

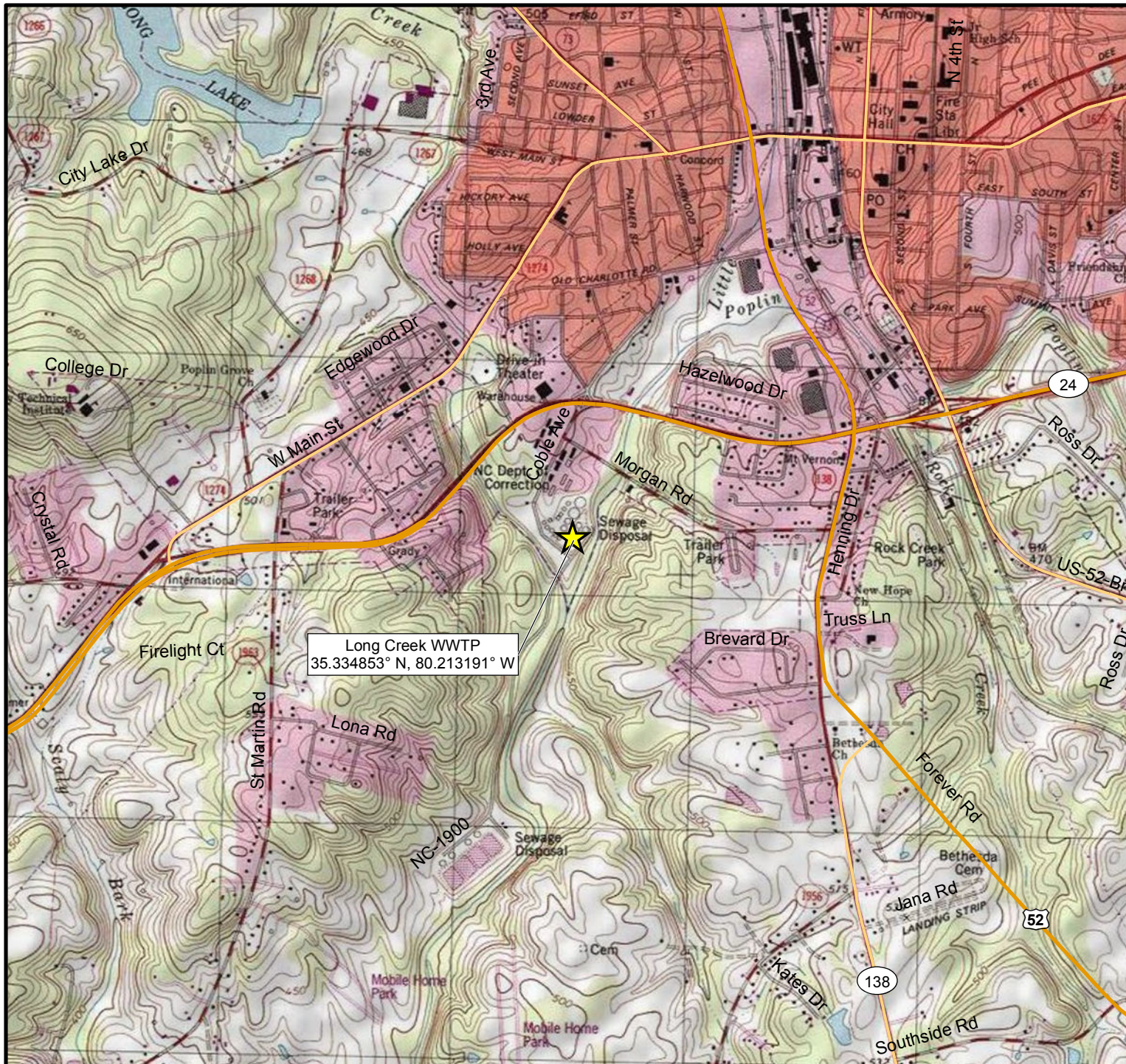


ENCLOSURE 1

FIGURES

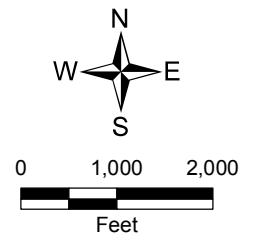
(Two Pages)





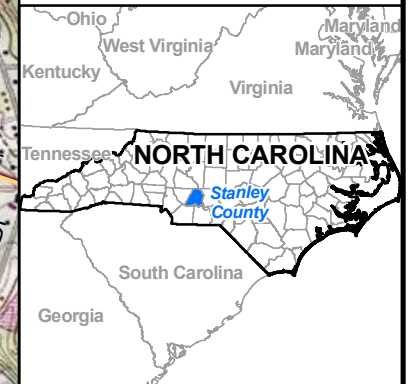
Legend

-  Site Location
-  State Highway
-  Major Road



WWTP - Wastewater Treatment Plant

Map Source:
USGS 7.5 Minute Topographic Quadrangle Maps:
Albemarle, NC 2013.



United States
Environmental Protection Agency
Region 4

FIGURE 1 Site Location

TDD Name: Long Creek WWTP
Mercury Spill

TDD No.: TT-01-048

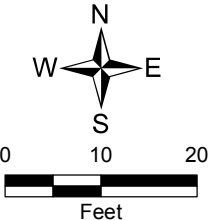
City: Albemarle **County:** Stanly **State:** North Carolina



Date: 4/18/2016
Analyst: gustavo.orozco



- Legend**
- E Emergency Exit
 - External Wall
 - Internal Wall
 - WWTP - Wastewater Treatment Plant



Map Source:
U.S. Geological Survey (USGS), The National Map,
High Resolution Orthoimagery (1 Foot), 2010



United States
Environmental Protection Agency
Region 4

FIGURE 2
Site Layout

TDD Name: Long Creek WWTP Mercury Spill

TDD No.: TT-01-048

City: Albemarle **County:** Stanly **State:** North Carolina



TETRA TECH

Date:
4/18/2016
Analyst:
gustavo.orozco

ENCLOSURE 2

PHOTOGRAPHIC LOG OF RESPONSE ACTIVITIES

(Six Pages)





OFFICIAL PHOTOGRAPH NO. 1
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number: TT-01-048

Location: 104 Coble Avenue, Albemarle, Stanly County, North Carolina

Orientation: Northwest

Date: March 17, 2016

Photographer: John Snyder, Tetra Tech Superfund Technical Assessment and Response Team (START)

Witness: Kenneth Rhame, U.S. Environmental Protection Agency (EPA)

Subject: On March 16, 2016, the City of Albemarle, North Carolina, reported a mercury spill in the office building of the Long Creek Wastewater Treatment Plant (WWTP) to the National Response Center. EPA mobilized an On-scene Coordinator (OSC) to the site on March 17 to assess the release. Based on this assessment, the OSC mobilized Tetra Tech to provide response documentation and mercury vapor screening.



OFFICIAL PHOTOGRAPH NO. 2
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number: TT-01-048

Location: 104 Coble Avenue, Albemarle, Stanly County, North Carolina

Orientation: West

Date: March 17, 2016

Photographer: John Snyder, Tetra Tech
START

Witness: Kenneth Rhame, EPA

Subject: The office building consists of maintenance rooms, a wet laboratory, offices, and a locker room on the first floor and two storage rooms on the second floor. The mercury spill occurred in the smaller western storage room, where miscellaneous chemicals and equipment are stored.



OFFICIAL PHOTOGRAPH NO. 3
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number: TT-01-048

Location: 104 Coble Avenue, Albemarle, Stanly County, North Carolina

Orientation: Southwest

Date: March 17, 2016

Photographer: John Snyder, Tetra Tech
START

Witness: Bryan Vasser, Tetra Tech START

Subject: The spilled mercury was stored in a 3.5-gallon bucket. The bucket was stored in an area of the western storage room among other improvised mercury storage containers.



OFFICIAL PHOTOGRAPH NO. 4
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number: TT-01-048

Location: 104 Coble Avenue, Albemarle, Stanly
County, North Carolina

Orientation: Southwest

Date: March 17, 2016

Photographer: John Snyder, Tetra Tech
START

Witness: Bryan Vasser, Tetra Tech START

Subject: A closer inspection of the spill location revealed elemental mercury pooled around the leaking bucket, with pools and beads of mercury radiating approximately 6 feet away.



OFFICIAL PHOTOGRAPH NO. 5
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number: TT-01-048

Location: 104 Coble Avenue, Albemarle, Stanly
County, North Carolina

Orientation: South

Date: March 17, 2016

Photographer: John Snyder, Tetra Tech
START

Witness: Bryan Vasser, Tetra Tech START

Subject: A second view of the spill location revealed elemental mercury pooled around the leaking bucket, with pools and beads of mercury radiating approximately 6 feet away.



OFFICIAL PHOTOGRAPH NO. 6
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number: TT-01-048

Location: 104 Coble Avenue, Albemarle, Stanly County, North Carolina

Orientation: West

Date: March 28, 2016

Photographer: John Snyder, Tetra Tech
START

Witness: Clayton McManus, A&D Environmental

Subject: Before A&D Environmental conducted removal operations, Tetra Tech returned to the site to verify that its decontamination procedures were appropriate.

ENCLOSURE 3

TETRA TECH START LOGBOOK NOTES

(Seven Sheets)



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4 2281 103718

Long Creek WWTP
Mercury Spill

Albemarle, Stanly Co, NC



Rite in the Rain.

ALL-WEATHER
UNIVERSAL

N# 871FX

Tetra Tech **START**

TT-01-048

Logbook 1 of 1

103x902701048



TETRA TECH

John Snyder, PG
Environmental Engineer

1955 Evergreen Boulevard, Building 200, Suite 300, Duluth, GA 30096
Tel +1.678.775.3085 Cell +1.770.402.9013 Fax +1.678.775.3138
john.snyder@tetratech.com tetratech.com

Name _____

Address _____

Phone _____

Project _____



RiteintheRain.com

CONTENTS

PAGE

REFERENCE

DATE

John Snyder - T+ Site Manager
770-402-9013

Bryan Vesser - T+ Field Team
678-662-8750

Ken Rhame - EPA OSC
919-475-7397

Branden Plyler - Treatment Plant Supervisor
770-584-9634

Level C = $12,500 \text{ ng/m}^3$ (0.0125 mg/m^3)
Level B = $500,000 \text{ ng/m}^3$ (0.5 mg/m^3)

Mike Leonas - Albemarle Public
Utility Director

Kerstin Borch - A+D RM
336-669-7590

Clayton McManus
336-580-1985

JWS
3/18/16 3/17/16

1400 - T+ START Snyder on site

Weather: calm, 85°, clear

Meet w/ OSC Rhame + City of Albemarle Public Works staff.

- Situation: Unknown quantity (est. 15 lbs) mercury spilled in upstairs of WWTP building.

- Bryan Vasser coming up from ATL w/ Lumexes. ETA: 1630

- Windows upstairs have been opened to ventilate

- No floor plan ^{avail} available, Snyder proceeds to sketch based on exterior measurements + observations

1740 - T+ Bryan Vasser on site w/ Lumex. Warm up Lumex
R-Value = 0

1745 - BU begins screening first floor w/ Lumex

Max @ 500 in Lab ($\mu\text{S}/\text{m}^3$)

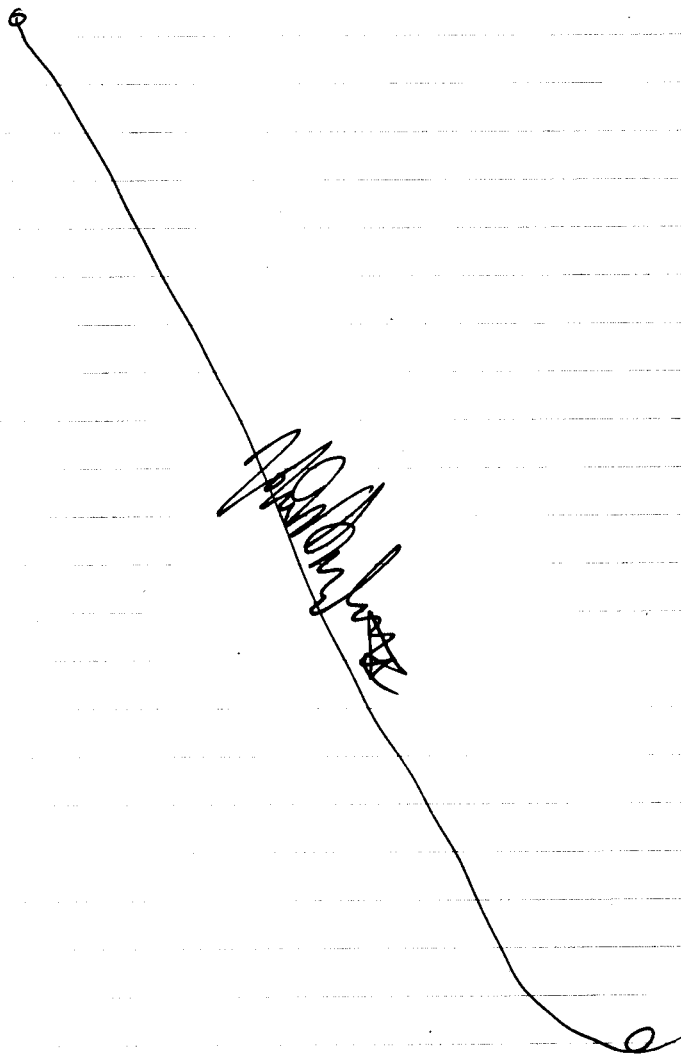
1800 - Move upstairs - 250 ambient
Max reading of ~~4000~~ ⁴⁰⁰⁰ near source.
Photo documented 8,000

Debrief w/ EPA

[Signature]

3/17/16

1836 - START / EPA offsite



Left in car Room

3/18/16

0720- START Snyder + Vasser on site

- Weather: clear, calm, 55°

- Objective - conduct walkthrough w/
potential/prospective cleanup
contractors

- provide documentation
support / conduct Lumex screening
as requested

0725- Tt AtS meeting

0805- Screen lab area w/ Lumex

(Lab area was closed up last
night to produce West case
scenario)

Lumex R-value = 690

Breathing Zone = $118 \text{ } ^{ns}/\text{m}^3$

= $135 \text{ } ^{ns}/\text{m}^3$

= $98 \text{ } ^{ns}/\text{m}^3$

0820- ER staff on site to discuss
project.

0845- Shamrock on site to discuss
project.

0936- START to "52 Plant" to
retrieve stockpile Hg

[Signature]

3/18/16

0955- Screen lab area @ 52 Plant
w/ Lumex

Spiking around $2,000 \text{ } ^{ns}/\text{m}^3$ around
jug/smk area

- Gallon jug appears $\frac{1}{2}$ full

- Tetr Tech overpacks gallon jug in
5-gallon overpack bucket w/
absorbent, transport back to
WWTP to stockpile upstairs.

1025- Tt back @ WWTP

1100- Tt Vasser + OSC Rhame leave.
Snyder to lunch

1200- Snyder back on site to conduct
final walkthrough w/ Lumex

1245- Run Lumex test

R = 4

1246- final walkthrough of dumpsters
- No readings higher than
 $50 \text{ } ^{ns}/\text{m}^3$

1300- Snyder off site

[Signature]

note: 1 square =

[Signature]

3/28/16

- 1200 - START Snyder on site —
 A+D Env. has been hired by —
 Albermarle to conduct H₂ removal
 EPA requested START review A+D's
 setup prior to commencing ops.
 1210 - Meet w/ Brandon Phyler, plant
 operator to discuss ops.
 1225 - Meet with Clayton McMann, RM
 for A+D
 Walk through removal process
 Looks good to go.
 1315 - Snyder off-site

c

3/30/16

- 1125 - START Snyder on site —
 Weather - clear, calm, 65°
 - Turn on Lunex for calibration.
 1130 - Meet w/ A+D Clayton McMann.
 1140 - Calibrate Lunex R₉₀ = 3
 A+D is in the middle of one
 more heat/vent cycle. Will heat
 for about another hour, then
 ventilate
 1245 - Snyder off site for lunch
 1315 - Snyder back on site
 - screen area w/ Lunex
 - Surfaces of concrete are GTG
 - higher levels are seen in cracks
 in concrete. A+D will treat
 cracks w/ powder for 45 mm
 then rescreen.
 1410 - Rescreen cracks. All clear
 except one small hotspot
 along wall $\approx 5,000 \text{ mg/m}^2$, Retreat.
 1500 - Room checks out.
 Ambient air samples to be
 collected Monday
 1505 - Snyder off site

Not in use here

8

End of
Logbook

4/6/16

[Signature]

9

Scale: 1 square = _____

Rite in the Rain

ENCLOSURE 4
TABLE OF WITNESSES
(One Page)



TABLE OF WITNESSES
LONG CREEK WWTP MERCURY SPILL
ALBEMARLE, STANLY COUNTY, NORTH CAROLINA

Mr. Kenneth Rhame
On-Scene Coordinator
U.S. Environmental Protection Agency (EPA), Region 4
61 Forsyth Street, SW
Atlanta, GA 30303
Telephone No.: (919) 475-7397

Mr. John Snyder, PG
Superfund Technical Assessment and Response Team (START)
Tetra Tech, Inc.
1955 Evergreen Boulevard
Duluth, GA 30096
Telephone No.: (678) 775-3085

Mr. Bryan Vasser
START
Tetra Tech, Inc.
1955 Evergreen Boulevard
Duluth, GA 30096
Telephone No.: (678) 775-3080

Mr. Brandon Plyler
Long Creek Wastewater Treatment Plant Supervisor
City of Albemarle
1040 Coble Road
Albemarle, NC 28002
Telephone No.: (704) 984-9634

Mr. Clayton McManus
Removal Manager
A&D Environmental
PO Box 484
High Point, NC 27261
Telephone No.: (336) 289-2831



ATTACHMENT 1
LABORATORY ANALYTICAL REPORT
(Four Sheets)





EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

Phone: (856) 303-2500 Fax: (856) 858-4571 Email: EnvChemistry2@emsl.com

Attn:

Steve Flinchum
A&D Environmental Services, Inc.
P.O. Box 484
High Point, NC 27261

4/12/2016

Phone: (336) 229-0058
Fax: (336) 229-0204

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 4/7/2016. The results are tabulated on the attached data pages for the following client designated project:

City of Albermarle

The reference number for these samples is EMSL Order #011602137. Please use this reference when calling about these samples. If you have any questions, please do not hesitate to contact me at (856) 303-2500.

Reviewed and Approved By:

Phillip Worby, Chemistry Laboratory Manager



Accreditation #100194 NELAP Certification: NJ 03036,
NY 10872

The samples associated with this report were received in good condition unless otherwise noted. This report relates only to those items tested as received by the laboratory. The QC data associated with the sample results meet the recovery and precision requirements established by the AIHA, unless specifically indicated. The final results are not field blank corrected. The laboratory is not responsible for final results calculated using air volumes that have been provided by non-laboratory personnel. This report may not be reproduced except in full and without written approval by EMSL Analytical, Inc.

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (856) 303-2500 / (856) 858-4571

<http://www.EMSL.com>EnvChemistry2@emsl.com

EMSL Order: 011602137

CustomerID: CAEA21

CustomerPO: 35428

ProjectID:

Attn: **Steve Flinchum**
A&D Environmental Services, Inc.
P.O. Box 484
High Point, NC 27261

Phone: (336) 229-0058
 Fax: (336) 229-0204
 Received: 04/07/16 9:30 AM

Project: **City of Albermarle****Analytical Results**

Client Sample Description D-1
Downstairs Area
Collected: 4/4/2016
Lab ID: 0001

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
NIOSH 6009	Mercury	ND	0.00010	mg/m ³	4/12/2016	CM	4/12/2016	CM

Client Sample Description U-1
Upstairs Area
Collected: 4/4/2016
Lab ID: 0002

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
NIOSH 6009	Mercury	ND	0.00010	mg/m ³	4/12/2016	CM	4/12/2016	CM

Client Sample Description FB-1
Field Blank
Collected: 4/4/2016
Lab ID: 0003

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
NIOSH 6009	Mercury	ND	0.000010	mg/tube	4/12/2016	CM	4/12/2016	CM

Client Sample Description FB-2
Field Blank
Collected: 4/4/2016
Lab ID: 0004

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
NIOSH 6009	Mercury	ND	0.000010	mg/tube	4/12/2016	CM	4/12/2016	CM

Client Sample Description MB-1
Method Blank
Collected: 4/4/2016
Lab ID: 0005

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
NIOSH 6009	Mercury	ND	0.000010	mg/tube	4/12/2016	CM	4/12/2016	CM

Client Sample Description MB-2
Method Blank
Collected: 4/4/2016
Lab ID: 0006

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
NIOSH 6009	Mercury	ND	0.000010	mg/tube	4/12/2016	CM	4/12/2016	CM

Client Sample Description MB-3
Method Blank
Collected: 4/4/2016
Lab ID: 0007

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
NIOSH 6009	Mercury	ND	0.000010	mg/tube	4/12/2016	CM	4/12/2016	CM

Definitions:

ND - indicates that the analyte was not detected at the reporting limit

RL - Reporting Limit



EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Industrial Hygiene Chain of Custody

EMSL Order Number (Lab Use Only):

011602137

EMSL ANALYTICAL, INC.
200 ROUTE 130 NORTH
CINNAMINSON, NJ 08077
PHONE: (800) 220-3675
FAX: (856) 858-3502

Report To Contact Name: STEVE FLINCHUM			Bill To Company: A+D ENVIRON.		Client ID #:
Company Name: A+D ENVIRONMENTAL SERVICES INC.			Attention To: STEVE FLINCHUM		
Street: 2718 UNHARRIE ROAD			Street: 2718 Unharrrie Road		
City: Archdale	State/Province: NC	Zip/Postal Code: 27263	City: Archdale	State/Province: NC	Zip/Postal Code: 27263
Phone: 336 434 7750 Fax:			Phone: 336 434 7750 Fax:		
Project Name: CITY OF ALBEMARLE			Email Results To: sflinchum@cadenviro.com		U.S. State where Samples Collected:
# Samples in Shipment: 7	Date of Shipment:	Purchase Order: 35423	Sampled By (Signature):		

Turnaround Time (TAT) – Please Check: If No Selection Made, Standard 2 Week TAT Will Apply						Media Type: CARULITE SORBENT	
<input type="checkbox"/> 2 Week	<input type="checkbox"/> 1 Week	<input type="checkbox"/> 4 Day	<input checked="" type="checkbox"/> 3 Day	<input type="checkbox"/> 2 Day	<input type="checkbox"/> 1 Day	<input type="checkbox"/> Other (Call Lab)	Manufacturer/Part #: Lot #:

Client Sample ID	Location/Description	Analyte / Method	Media	Flow (lpm)	Sample Time		Volume / Area	Sample Type	Sample Date	Comments
					On	Off				
1 D-1	Downstairs area	Mercury NIOSH 6009	Carulite tube	0.2	0800	1600	96 L	<input checked="" type="checkbox"/> Area <input type="checkbox"/> Personal	4/4/16	
2 U-1	Upstairs area			0.2	0915	1615	96 L	<input checked="" type="checkbox"/> Area <input type="checkbox"/> Personal	4/4/16	
3 FB-1	Field Blank							<input checked="" type="checkbox"/> Area <input type="checkbox"/> Personal	4/4/16	
4 FB-2	Field Blank							<input checked="" type="checkbox"/> Area <input type="checkbox"/> Personal	4/4/16	
5 MB-1	Method Blank							<input checked="" type="checkbox"/> Area <input type="checkbox"/> Personal	4/4/16	
6 MB-2	Method Blank							<input checked="" type="checkbox"/> Area <input type="checkbox"/> Personal	4/4/16	
7 MB-3	Method Blank							<input checked="" type="checkbox"/> Area <input type="checkbox"/> Personal	4/4/16	
								<input type="checkbox"/> Area <input type="checkbox"/> Personal		

Note: Most NIOSH and OSHA methods require field blanks. It is the IH field sampler's responsibility to submit the proper number of field blanks and duplicates.

Released By:	Date: 4/5/16	Received By:	Date: 4/7/16 09:30 20.50
--------------	---------------------	--------------	---------------------------------

Comments:



Air Sampling Log

Site: City of Albermarle
Location: Albermarle, NC

Date	Sample No.	Employee	Position	Start Time	Start Flow LPM	Stop Time	Stop Flow LPM	Run Time (min)	Total Volume (L)
4-4-16	D-1	Clayton McManis	Downstairs	8:00 ^{am}	.2	4:00 ^{pm}	.2	480	96
4-4-16	U-1	Clayton McManis	upstairs	8:05 ^{am}	.2	4:15 ^{pm}	.2	480	96

Job Functions: POST MERCURY SPILL CLEANUP.

SAMPLE D-1 COLLECTED DOWNSTAIRS; ALL WINDOWS CLOSED FOR DURATION OF SAMPLING
SAMPLE U-1 COLLECTED UPSTAIRS; ALL WINDOWS CLOSED FOR DURATION OF SAMPLING

Samples Collected By: