



North Carolina Department of Environment and Natural Resources

Division of Waste Management

Dexter R. Matthews

Director

Beverly Eaves Perdue
Governor

Dee Freeman
Secretary

FILE

December 7, 2012

Mr. Tony Lestingi
Budig Realty LLC
1100 Gest Street
Cincinnati, OH 45203

Re: Soil Gas Results and Access Authorization Request for Subslab Air Study
2310 Old Steele Creek Road
Charlotte, NC 28208

Dear Mr. Lestingi:

We were unable to collect a soil gas sample from your property on two attempts presumably owing to the tightness/clayey nature of the soils. Because the concentrations of PCE detected in groundwater at the location of monitoring well OFF-MW-5 located near the southwest corner of your warehouse exceed our preliminary screening goals for potential vapor intrusion, we would like to collect a subslab air sample from inside your warehouse near its southwest corner. It is important that subslab air be sampled from your property and analyzed to assess whether groundwater contamination has the potential to cause indoor air contamination at your property.

Please complete the attached Access Authorization Form to Conduct Sampling Activities and return it to me in the self addressed stamped envelope included. Time is of the essence as sampling activities are currently scheduled to begin the week of January 7 and hopefully will only take a few days.

If you have any questions or comments, please contact me at (704) 235-2173 or by email at david.ramey@ncdenr.gov.

Sincerely,

David Ramey, Hydrogeologist
Inactive Hazardous Sites Branch
Superfund Section

cc: Don Lenhof and Joe Fisher, George E. Fern Company, 2310 Old Steele Creek Road, Charlotte, NC 28208

Access Authorization Form to Conduct Sampling Activities

1. I, _____, am the current owner (or tenant) of the property located at _____ (the "Property") and as such I am authorized to sign this document.

2. I grant authorization to the North Carolina Department of Environment and Natural Resources (NC DENR), its officers, employees, contractors, and other authorized representatives to enter upon and have continued access to the Property. This authorization allows NC DENR, its officers, employees, contractors and other authorized representatives to have access to the Property to conduct certain sampling activities. NC DENR's activities at the Property may include, but are not limited to, the following:
 - a. Subslab air sampling, requiring access to your building and permission to drill a < 1/2 - inch-diameter hole through your concrete slab to collect a subslab air sample. Note: Your concrete slab will be repaired to pre-drilling conditions.

3. The consent for access and use granted herein will begin on December 7, 2012, and will continue through February 28, 2013.

4. By granting this authorization, I do not admit any liability in relation to the Property and do not waive any rights to which I may be entitled.

5. The costs of the sampling activities shall be borne by the NC DENR.

6. Data collected during the activities on the Property shall be made available to me upon request.

7. Data collected during the activities on the Property may be a matter of public record in accordance with state and/or federal law. The NC DENR and its contractors shall not be construed to be my agent, employee, or contractor.

8. NC DENR or its contractors will employ reasonable efforts to return the Property to pre-investigation conditions.

Date: _____

Printed Name of Owner: _____

Signature of Owner: _____

Or:

Printed Name of Tenant: _____

Signature of Tenant: _____

Is there someone we should notify before we come to the Property? Yes: ___ No: ___

Contact Information for the person/people who we should notify before we come to the Property:

Name(s): _____

Phone Number(s): _____

Email Address(es): _____

7007 0710 0005 2882 2698

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com®

OFFICIAL USE

Postage	\$
Certified Fee	5.15
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	1.45



Mr. Tony Lestingi
Budig Realty LLC
1100 Gest Street
Cincinnati, OH 45203

1 HKI-DK

PS Form 3800, August 2006 See Reverse for Instructions

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Mr. Tony Lestingi
Budig Realty LLC
1100 Gest Street
Cincinnati, OH 45203

12-7-12 1HKI-DK

2. Article Number
(Transfer from service label)

COMPLETE THIS SECTION ON DELIVERY

A. Signature Agent
[Signature] Addressee

B. Received by (Printed Name) C. Date of Delivery
CLW DIS WIT RE 12/10/12

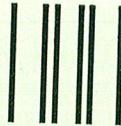
D. Is delivery address different from item 1? Yes
If YES, enter delivery address below: No

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.

4. Restricted Delivery? (Extra Fee) Yes

7007 0710 0005 2882 2698

UNITED STATES POSTAL SERVICE



First-Class Mail
Postage & Fees Paid
USPS
Permit No. G-10

• Sender: Please print your name, address, and ZIP+4 in this box •

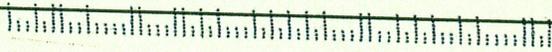
RECEIVED

NCDENR DWM - 14M
610 East Center Avenue, Suite 301
Mooresville, NC 28115

DEC 13 2012

NCDENR MRO IHSB

DR





North Carolina Department of Environment and Natural Resources

Division of Waste Management

Dexter R. Matthews

Director

Beverly Eaves Perdue
Governor

Dee Freeman
Secretary

FILE

December 7, 2012

Mr. Leroy Danzy
2424 Faber Street
Charlotte, NC 28208

Re: Soil Gas Results
2424 Faber Street
Charlotte, NC 28208

Dear Mr. Danzy:

A soil gas sample was collected from your property on November 13 and 14, 2012. The attached memorandum lists the contaminants detected and their corresponding concentrations. The concentrations of the contaminants detected are within United States Environmental Protection Agency (USEPA) and North Carolina Department of Environment and Natural Resources (DENR) acceptable screening limits. Therefore, our soil gas study is completed at your property and we do not intend to collect additional samples from your property.

Thank you for your participation in the Willow Street Soil Gas Study. If you have any questions or comments, please contact me at (704) 235-2173 or by email at david.ramey@ncdenr.gov.

Sincerely,

David Ramey, Hydrogeologist
Inactive Hazardous Sites Branch
Superfund Section

November 29, 2012

MEMORANDUM

FILE

TO: David Ramey, Hydrogeologist
Inactive Hazardous Sites Branch
Superfund Section

FROM: Hanna Assefa, Industrial Hygiene Consultant
Inactive Hazardous Sites Branch
Superfund Section



RE: Health Risk Evaluation
Primrose Ave PCE Contamination (Willow Street Soil Gas Study)
Leroy Danzy – SV-3-111312
2424 Faber St
Charlotte, Mecklenburg County

A subsurface soil gas sample was collected from the subject property on November 14, 2012 for the purposes of evaluating the potential for vapor intrusion into the above residence. The following contaminants were detected in the soil gas:

Laboratory Sample #	Contaminant	Concentration $\mu\text{g}/\text{m}^3$
L606917-02	Benzene	11.
	Methylene Chloride	49.

The first step in the process of evaluating the potential for contaminated vapors in the subsurface to advance into the interior of buildings will be to predict what concentration of contaminant could potentially make its way into indoor air. Contaminant concentrations from the subsurface soil gas collected from the property are used as a conservative predictor of concentrations in indoor air. Potential cancer and non-cancer health risk is calculated at these concentrations. The calculated health risk for the potential indoor air concentration is compared to United States Environmental Protection Agency (USEPA) and North Carolina Department of Environment and Natural Resources (DENR) acceptable risk levels. USEPA and DENR set a maximum excess cancer risk of 1 in 10,000 and a hazard index of 1 for non-cancer health effects for the collective total of contaminants present. **The collective concentrations of contaminants detected in this sample do not result in an excess cancer risk greater than 1 in 10,000. The hazard index of the collective set of contaminants with non-cancer health effects in this sample does not exceed a hazard index of 1, and is thus within USEPA and DENR acceptable limits.**

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT

(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com®

OFFICIAL USE

7007 0710 0005 2882 2704

Postage	\$
Certified Fee	5.75
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Extra)	



Mr. Leroy Danzy
 1 2424 Faber Street
 Charlotte, NC 28208

See
 or
 City, State, ZIP+4®

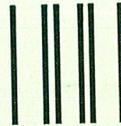
1HW-DR

PS Form 3800, August 2006

See Reverse for Instructions

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature <i>Leroy Danzy</i> <input type="checkbox"/> Agent <input checked="" type="checkbox"/> <i>Leroy Danzy</i> <input type="checkbox"/> Addressee</p>
<p>1. Article Addressed to:</p>	<p>B. Received by (Printed Name) _____ C. Date of Delivery <i>12-5-12</i></p>
<p>Mr. Leroy Danzy 2424 Faber Street Charlotte, NC 28208</p> <p><i>12-7-12</i> <i>1HW-DR</i></p>	<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p>
<p>2. Article Number <u>7007 0710 0005 2882 2704</u> (Transfer from Service Label)</p>	<p>3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input checked="" type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p>
<p>PS Form 3811, February 2004</p>	<p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p> <p>Domestic Return Receipt 102595-02-M-1540</p>

UNITED STATES POSTAL SERVICE



First-Class Mail
Postage & Fees Paid
USPS
Permit No. G-10

• Sender: Please print your name, address, and ZIP+4 in this box •

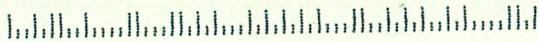
NCDENR DWM-1414
610 East Center Avenue, Suite 301
Mooresville, NC 28115

.DR

NCDENR DWM-1414

DEC 10 2012

RECEIVED





North Carolina Department of Environment and Natural Resources

Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

FILE

December 7, 2012

Mr. Tom Moore
TPM Properties LP
3816 Mooreland Farms Road
Charlotte, NC 28226

Re: Soil Gas Results
2817 Willow Street
Charlotte, NC 28208

Dear Mr. Moore:

A soil gas sample was collected from your property on November 14, 2012. The attached memorandum lists the contaminants detected and their corresponding concentrations. The concentrations of the contaminants detected are within United States Environmental Protection Agency (USEPA) and North Carolina Department of Environment and Natural Resources (DENR) acceptable screening limits. Therefore, our soil gas study is completed at your property and we do not intend to collect additional samples from your property.

Thank you for your participation in the Willow Street Soil Gas Study. If you have any questions or comments, please contact me at (704) 235-2173 or by email at david.ramey@ncdenr.gov.

Sincerely,

David Ramey, Hydrogeologist
Inactive Hazardous Sites Branch
Superfund Section

cc: Ms. Lindora Danzy, 2817 Willow Street, Charlotte, NC 28208

November 29, 2012

MEMORANDUM

TO: David Ramey, Hydrogeologist
Inactive Hazardous Sites Branch
Superfund Section

FROM: Hanna Assefa, Industrial Hygiene Consultant 
Inactive Hazardous Sites Branch
Superfund Section

RE: Health Risk Evaluation
Primrose Ave PCE Contamination (Willow Street Soil Gas Study)
TPM Properties LP – SV-4-111412
2817 Willow St.
Charlotte, Mecklenburg County

A subsurface soil gas sample was collected from the subject property on November 14, 2012 for the purposes of evaluating the potential for vapor intrusion into the above residence. The following contaminants were detected in the soil gas:

Laboratory Sample #	Compound	Concentration $\mu\text{g}/\text{m}^3$
L606917-10	Benzene	2.7
	Chloromethane	1.1
	Methylene Chloride	20.
	Tetrachloroethylene	1.8

The first step in the process of evaluating the potential for contaminated vapors in the subsurface to advance into the interior of buildings will be to predict what concentration of contaminant could potentially make its way into indoor air. Contaminant concentrations from the subsurface soil gas collected from the property are used as a conservative predictor of concentrations in indoor air. Potential cancer and non-cancer health risk is calculated at these concentrations. The calculated health risk for the potential indoor air concentration is compared to United States Environmental Protection Agency (USEPA) and North Carolina Department of Environment and Natural Resources (DENR) acceptable risk levels. USEPA and DENR set a maximum excess cancer risk of 1 in 10,000 and a hazard index of 1 for non-cancer health effects for the collective total of contaminants present. **The collective concentrations of contaminants detected in this sample do not result in an excess cancer risk greater than 1 in 10,000. The hazard index of the collective set of contaminants with non-cancer health effects in this sample does not exceed a hazard index of 1, and is thus within USEPA and DENR acceptable limits.**

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

7007 0710 0005 2882 2711

Postage	\$
Certified Fee	5.75
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total P	



Sent To
 Street, A or PO Bx
 City, Sta

Mr. Tom Moore
 TPM Properties LP
 3816 Mooreland Farms Road
 Charlotte, NC 28226

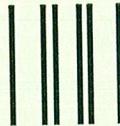
1HW-DR

PS Form 3800, August 2006

See Reverse for Instructions

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature <input type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee</p> <p>X B. Moore</p> <p>B. Received by (Printed Name) C. Date of Delivery</p> <p>B. MOORE 12/8/12</p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If YES, enter delivery address below: 28033 8B</p> <p>DEC 8 2012 7:10 pm</p> <p>CHARLOTTE, N.C. 28226</p>
<p>1. Article Addressed to:</p> <p>Mr. Tom Moore TPM Properties LP 3816 Mooreland Farms Road Charlotte, NC 28226</p> <p>12-7-12 1HW-DR</p>	<p>3. Service Type</p> <p><input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail</p> <p><input type="checkbox"/> Registered <input checked="" type="checkbox"/> Return Receipt for Merchandise</p> <p><input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p>
<p>2. Article Number (Transfer from service label)</p> <p>7007 0710 0005 2882 2711</p>	<p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>

UNITED STATES POSTAL SERVICE



First-Class Mail
Postage & Fees Paid
USPS
Permit No. G-10

• Sender: Please print your name, address, and ZIP+4 in this box •

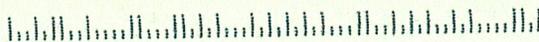
NCDENR DWM -1HW
610 East Center Avenue, Suite 301
Mooresville, NC 28115

DR

NCDENR MPO HSB

DEC 10 2012

RECEIVED





North Carolina Department of Environment and Natural Resources

Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

December 7, 2012

FILE

Ms. Amy Jamison
PO Box 2741
Huntersville, NC 28070

Re: Soil Gas Results
2826 Willow Street
Charlotte, NC 28208

Dear Ms. Jamison:

A soil gas sample was collected from your property on November 13 and 14, 2012. The attached memorandum lists the contaminants detected and their corresponding concentrations. The concentrations of the contaminants detected are within United States Environmental Protection Agency (USEPA) and North Carolina Department of Environment and Natural Resources (DENR) acceptable screening limits. Therefore, our soil gas study is completed at your property and we do not intend to collect additional samples from your property.

Thank you for your participation in the Willow Street Soil Gas Study. If you have any questions or comments, please contact me at (704) 235-2173 or by email at david.ramey@ncdenr.gov.

Sincerely,

David Ramey, Hydrogeologist
Inactive Hazardous Sites Branch
Superfund Section

cc: Mr. Moore, 2826 Willow Street, Apt 1, Charlotte, NC 28208
Current Resident, 2826 Willow Street, Apt 2, Charlotte, NC 28208
Ms. Parsha Crawford, 2826 Willow Street, Apt 3, Charlotte, NC 28208

November 29, 2012

MEMORANDUM

TO: David Ramey, Hydrogeologist
Inactive Hazardous Sites Branch
Superfund Section

FROM: Hanna Assefa, Industrial Hygiene Consultant 
Inactive Hazardous Sites Branch
Superfund Section

RE: Health Risk Evaluation
Primrose Ave PCE Contamination (Willow Street Soil Gas Study)
Amy Jamison – SV-5-111312
2826 Willow St
Charlotte, Mecklenburg County

A subsurface soil gas sample was collected from the subject property on November 14, 2012 for the purposes of evaluating the potential for vapor intrusion into the above residence. The following contaminants were detected in the soil gas:

Laboratory Sample #	Contaminant	Concentration $\mu\text{g}/\text{m}^3$
L606917-03	Benzene	0.83
	Methylene Chloride	27

The first step in the process of evaluating the potential for contaminated vapors in the subsurface to advance into the interior of buildings will be to predict what concentration of contaminant could potentially make its way into indoor air. Contaminant concentrations from the subsurface soil gas collected from the property are used as a conservative predictor of concentrations in indoor air. Potential cancer and non-cancer health risk is calculated at these concentrations. The calculated health risk for the potential indoor air concentration is compared to United States Environmental Protection Agency (USEPA) and North Carolina Department of Environment and Natural Resources (DENR) acceptable risk levels. USEPA and DENR set a maximum excess cancer risk of 1 in 10,000 and a hazard index of 1 for non-cancer health effects for the collective total of contaminants present. **The collective concentrations of contaminants detected in this sample do not result in an excess cancer risk greater than 1 in 10,000. The hazard index of the collective set of contaminants with non-cancer health effects in this sample does not exceed a hazard index of 1, and is thus within USEPA and DENR acceptable limits.**

7007 0710 0005 2882 2667

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com®

OFFICIAL USE

Postage \$
Certified Fee
Return Receipt Fee
(Endorsement Required)
Restricted Delivery Fee
(End)

5.15



To Ms. Amy Jamison
PO Box 2741
Huntersville, NC 28070

Ser.
Str.
or f
City,

1 HW-DR

PS Form 3800, August 2006

See Reverse for Instructions

SENDER: COMPLETE THIS SECTION

Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
■ Print your name and address on the reverse so that we can return the card to you.
■ Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Ms. Amy Jamison
PO Box 2741
Huntersville, NC 28070

12-7-12 1HW-DR

COMPLETE THIS SECTION ON DELIVERY

A. Signature  Agent
 Addressee

B. Received by (Printed Name) Mitch Young C. Date of Delivery

D. Is delivery address different from item 1? Yes
If YES, enter delivery address below: No

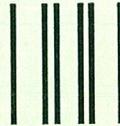
3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.

4. Restricted Delivery? (Extra Fee) Yes

2. Article Number
(Transfer)

7007 0710 0005 2882 2667

UNITED STATES POSTAL SERVICE



First-Class Mail
Postage & Fees Paid
USPS
Permit No. G-10

• Sender: Please print your name, address, and ZIP+4 in this box •

NCDENR DWM - 1414
610 East Center Avenue, Suite 301
Mooresville, NC 28115

RECEIVED

DEC 12 2012

DR

NCDENR MRO IHSB



North Carolina Department of Environment and Natural Resources

Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

FILE

December 7, 2012

Mr. Mark T Chappell and Ms. Kelly S Chappell
PO Box 4398
Lancaster, CA 93539

Re: Soil Gas Results and Access Authorization Request for Subslab Air Study
2828 Willow Street
Charlotte, NC 28208

Dear Mr. and Ms. Chappell:

Two soil gas samples were collected from your property on November 13 and 14, 2012. The attached memorandum lists the contaminants detected and their corresponding concentrations. The concentrations of the contaminants detected are within United States Environmental Protection Agency (USEPA) and North Carolina Department of Environment and Natural Resources (DENR) acceptable screening limits. However, to be conservative, we would like to collect a subslab air sample from inside of the building (preferably from Apt 2 or 3 in the middle of the building to get a sample that would be representative of the subslab air beneath the building as a whole). It is important that subslab air be sampled from your property and analyzed to assess whether groundwater contamination has the potential to cause indoor air contamination at your property.

Please complete the attached Access Authorization Form to Conduct Sampling Activities and return it to me in the self addressed stamped envelope included. Time is of the essence as sampling activities are currently scheduled to begin the week of January 7 and hopefully will only take a few days.

Thank you for your participation in the Willow Street Soil Gas Study. If you have any questions or comments, please contact me at (704) 235-2173 or by email at david.ramey@ncdenr.gov.

Sincerely,

David Ramey, Hydrogeologist
Inactive Hazardous Sites Branch
Superfund Section

cc: Monique Alexander, 2828 Willow Street, Apt 1, Charlotte, NC 28208
Current Resident, 2828 Willow Street, Apt 2, Charlotte, NC 28208
Current Resident, 2828 Willow Street, Apt 3, Charlotte, NC 28208
Current Resident, 2828 Willow Street, Apt 4, Charlotte, NC 28208
Mark T Chappell and Kelly S Chappell, 2828 Willow Street, Charlotte, NC 28208

November 29, 2012

MEMORANDUM

TO: David Ramey, Hydrogeologist
Inactive Hazardous Sites Branch
Superfund Section

FROM: Hanna Assefa, Industrial Hygiene Consultant
Inactive Hazardous Sites Branch
Superfund Section



RE: Health Risk Evaluation
Primrose Ave PCE Contamination (Willow Street Soil Gas Study)
Mark T Chappell and Kelly S Chappell – SV-6-A-111312 and SV-6-B-111312
2828 Willow St
Charlotte, Mecklenburg County

Two subsurface soil gas samples were collected from the subject property on November 14, 2012 for the purposes of evaluating the potential for vapor intrusion into the above residence. The following contaminants were detected in the soil gas:

Laboratory Sample #	Contaminant	Concentration $\mu\text{g}/\text{m}^3$
L606917-04	Benzene	8.9
	Methylene Chloride	35.
	Trichloroethylene	6.4
	Tetrachloroethylene	290
L606917-05	Benzene	6.1
	Methylene Chloride	25.
	Trichloroethylene	4.4
	Tetrachloroethylene	200

The first step in the process of evaluating the potential for contaminated vapors in the subsurface to advance into the interior of buildings will be to predict what concentration of contaminant could potentially make its way into indoor air. Contaminant concentrations from the subsurface soil gas collected from the property are used as a conservative predictor of concentrations in indoor air. Potential cancer and non-cancer health risk is calculated at these concentrations. The calculated health risk for the potential indoor air concentration is compared to United States Environmental Protection Agency (USEPA) and North Carolina Department of Environment and Natural Resources (DENR) acceptable risk levels. USEPA and DENR set a maximum excess cancer risk of 1 in 10,000 and a hazard index of 1 for non-cancer health effects for the collective total of contaminants present. **The collective concentrations of contaminants detected in this sample do not result in an excess cancer risk greater than 1 in 10,000. The hazard index of the collective set of contaminants with non-cancer health effects in this sample does not exceed a hazard index of 1, and is thus within USEPA and DENR acceptable limits.**

Access Authorization Form to Conduct Sampling Activities

1. I, _____, am the current owner (or tenant) of the property located at _____ (the "Property") and as such I am authorized to sign this document.

2. I grant authorization to the North Carolina Department of Environment and Natural Resources (NC DENR), its officers, employees, contractors, and other authorized representatives to enter upon and have continued access to the Property. This authorization allows NC DENR, its officers, employees, contractors and other authorized representatives to have access to the Property to conduct certain sampling activities. NC DENR's activities at the Property may include, but are not limited to, the following:
 - a. Subslab air sampling, requiring access to your building and permission to drill a <math>< \frac{1}{2}</math>-inch-diameter hole through your concrete slab to collect a subslab air sample. Note: Your concrete slab will be repaired to pre-drilling conditions.

3. The consent for access and use granted herein will begin on December 7, 2012, and will continue through February 28, 2013.

4. By granting this authorization, I do not admit any liability in relation to the Property and do not waive any rights to which I may be entitled.

5. The costs of the sampling activities shall be borne by the NC DENR.

6. Data collected during the activities on the Property shall be made available to me upon request.

7. Data collected during the activities on the Property may be a matter of public record in accordance with state and/or federal law. The NC DENR and its contractors shall not be construed to be my agent, employee, or contractor.

8. NC DENR or its contractors will employ reasonable efforts to return the Property to pre-investigation conditions.

Date: _____

Printed Name of Owner: _____

Signature of Owner: _____

Or:

Printed Name of Tenant: _____

Signature of Tenant: _____

Is there someone we should notify before we come to the Property? Yes: ___ No: ___

Contact Information for the person/people who we should notify before we come to the Property:

Name(s): _____

Phone Number(s): _____

Email Address(es): _____

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com®

OFFICIAL USE

7007 0710 0005 2882 2674

Postage \$	
Certified Fee	5.95
Return Receipt Fee (Endorsement Required)	1.45 (65¢)
Restricted Delivery Fee (Endorsement Required)	
Total F	



Mr. Mark T Chappell
 Ms. Kelly S Chappell
 PO Box 4398
 Lancaster, CA 93539

Sent To
 Street, A or PO Box
 City, Sta

1HW-DR

PS Form 3800, August 2006 See Reverse for Instructions

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature <input checked="" type="checkbox"/> Kelly S Chappell <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) Kelly S Chappell</p> <p>C. Date of Delivery 12/11/12</p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input checked="" type="checkbox"/> No</p>
<p>1. Article Addressed to:</p> <p>Mr. Mark T Chappell Ms. Kelly S Chappell PO Box 4398 Lancaster, CA 93539</p> <p>12-7-12 1HW-DR</p>	<p>3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input checked="" type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>2. Article Number (Transfer from service label)</p>	<p>7007 0710 0005 2882 2674</p>
<p>PS Form 3811, February 2004</p>	<p>Domestic Return Receipt 102595-02-M-1540</p>



UNITED STATES POSTAL SERVICE

MOJAVE CA 92921

11 DEC 2012 PM 4 T



First-Class Mail
Postage & Fees Paid
USPS
Permit No. G-10

• Sender: Please print your name, address, and ZIP+4 in this box •

RECEIVED

NCDENR DWM - 1412
610 East Center Avenue, Suite 301
Mooresville, NC 28115

DEC 14 2012

NCDENR MRO IHSB
DR

12/11





North Carolina Department of Environment and Natural Resources

Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

December 7, 2012

SFH Financial LLC
PO Box 2741
Huntersville, NC 28070

FILE

Re: Soil Gas Results and Access Authorization Request for Crawlspace Air Study
2831 Willow Street
Charlotte, NC 28208

Dear Owner:

A soil gas sample was collected from your property on November 14, 2012. The attached memorandum lists the contaminants detected and their corresponding concentrations. The concentrations of the contaminants detected are within United States Environmental Protection Agency (USEPA) and North Carolina Department of Environment and Natural Resources (DENR) acceptable screening limits. However, to be conservative, we would like to collect a crawlspace air sample and an exterior upwind background sample from both Apartments 1 and 2. It is important that crawlspace air be sampled from your property and analyzed to assess whether groundwater contamination has the potential to cause indoor air contamination at your property.

Please complete the attached Access Authorization Form to Conduct Sampling Activities and return it to me in the self addressed stamped envelope included. Time is of the essence as sampling activities are currently scheduled to begin the week of January 7 and hopefully will only take a few days.

Thank you for your participation in the Willow Street Soil Gas Study. If you have any questions or comments, please contact me at (704) 235-2173 or by email at david.ramey@ncdenr.gov.

Sincerely,

David Ramey, Hydrogeologist
Inactive Hazardous Sites Branch
Superfund Section

cc: Current Resident, 2831 Willow Street, Apt 1, Charlotte, NC 28208
Current Resident, 2831 Willow Street, Apt 2, Charlotte, NC 28208

November 29, 2012

MEMORANDUM

TO: Davis Ramey, Hydrogeologist
Inactive Hazardous Sites Branch
Superfund Section

FROM: Hanna Assefa, Industrial Hygiene Consultant 
Inactive Hazardous Sites Branch
Superfund Section

RE: Health Risk Evaluation
Primrose Ave PCE Contamination (Willow Street Soil Gas Study)
SFH Financial LLC – SV-7-111412
2831 Willow St
Charlotte, Mecklenburg County

A subsurface soil gas sample was collected from the subject property on November 14, 2012 for the purposes of evaluating the potential for vapor intrusion into nearby residences. The following contaminants were detected in the soil gas:

Laboratory Sample #	Compound	Concentration $\mu\text{g}/\text{m}^3$
L606917-06	Benzene	2.8
	Methylene Chloride	12
	Trichloroethylene	17
	Tetrachloroethylene	370

The first step in the process of evaluating the potential for contaminated vapors in the subsurface to advance into the interior of buildings will be to predict what concentration of contaminant could potentially make its way into indoor air. Contaminant concentrations from the subsurface soil gas collected from the property are used as a conservative predictor of concentrations in indoor air. Potential cancer and non-cancer health risk is calculated at these concentrations. The calculated health risk for the potential indoor air concentration is compared to United States Environmental Protection Agency (USEPA) and North Carolina Department of Environment and Natural Resources (DENR) acceptable risk levels. USEPA and DENR set a maximum excess cancer risk of 1 in 10,000 and a hazard index of 1 for non cancer health effects for the collective total of contaminants present. **The concentrations of the contaminants detected in this sample collectively do not cause an excess cancer risk greater than 1 in 10,000. The hazard index calculated for the collective concentration of contaminants detected in this sample exceeds 1 and is driven by the concentration of trichloroethylene and tetrachloroethylene. The collective hazard index is above USEPA and DENR acceptable limits. In situations where a hazard index of 1 is exceeded further evaluation is conducted to determine if the critical effects of the contaminants is the same. Based on this evaluation the hazard quotients of trichloroethylene and tetrachloroethylene do not have to be added together to determine the hazard index because they have different critical effects. Therefore, the hazard index of contaminants in this sample is within USEPA and DENR limits.**

Access Authorization Form to Conduct Sampling Activities

1. I, _____, am the current owner (or tenant) of the property located at _____ (the "Property") and as such I am authorized to sign this document.

2. I grant authorization to the North Carolina Department of Environment and Natural Resources (NC DENR), its officers, employees, contractors, and other authorized representatives to enter upon and have continued access to the Property. This authorization allows NC DENR, its officers, employees, contractors and other authorized representatives to have access to the Property to conduct certain sampling activities. NC DENR's activities at the Property may include, but are not limited to, the following:
 - a. Crawlspace air sampling, requiring access to your crawlspace and removal of potential contaminants from your crawlspace such as gas cans, lawnmowers, paint cans, etc.

3. The consent for access and use granted herein will begin on December 7, 2012, and will continue through February 28, 2013.

4. By granting this authorization, I do not admit any liability in relation to the Property and do not waive any rights to which I may be entitled.

5. The costs of the sampling activities shall be borne by the NC DENR.

6. Data collected during the activities on the Property shall be made available to me upon request.

7. Data collected during the activities on the Property may be a matter of public record in accordance with state and/or federal law. The NC DENR and its contractors shall not be construed to be my agent, employee, or contractor.

8. NC DENR or its contractors will employ reasonable efforts to return the Property to pre-investigation conditions.

Date: _____

Printed Name of Owner: _____

Signature of Owner: _____

Or:

Printed Name of Tenant: _____

Signature of Tenant: _____

Is there someone we should notify before we come to the Property? Yes: ___ No: ___

Contact Information for the person/people who we should notify before we come to the Property:

Name(s): _____

Phone Number(s): _____

Email Address(es): _____

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com®

OFFICIAL USE

7007 0710 0005 2882 2681

Postage \$	
Certified Fee	
Return Receipt Fee (Endorsement Required)	5.95
Restricted Delivery Fee (Endorsement Required)	+45
Total Postage	54.90

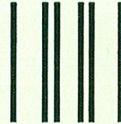


Sent To **SFH Financial LLC**
 PO Box 2741
 Huntersville, NC 28070
 City, State, ZIP+4
1HW-DR

PS Form 3800, See Reverse for Instructions

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature <input checked="" type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) Mitch Lane C. Date of Delivery 12/11</p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p>
<p>1. Article Addressed to:</p> <p>SFH Financial LLC PO Box 2741 Huntersville, NC 28070</p> <p>12-7-12 1HW-DR</p>	<p>3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input checked="" type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p>
<p>2. Article Number (Transfer from service label)</p> <p>7007 0710 0005 2882 2681</p>	<p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>

UNITED STATES POSTAL SERVICE



First-Class Mail
Postage & Fees Paid
USPS
Permit No. G-10

• Sender: Please print your name, address, and ZIP+4 in this box •

RECEIVED
NCDENR DWM - 1414
610 East Center Avenue, Suite 301
Mooresville, NC 28115
DEC 12 2012 DR

NCDENR MRO IHSB



North Carolina Department of Environment and Natural Resources

Division of Waste Management

Dexter R. Matthews

Director

Beverly Eaves Perdue
Governor

Dee Freeman
Secretary

December 7, 2012

FILE

SFH Financial LLC
PO Box 2741
Huntersville, NC 28070

Re: Soil Gas Results and Access Authorization Request for Crawlspace Air Study
2835 Willow Street
Charlotte, NC 28208

Dear Owner:

A soil gas sample was collected from your property on November 14, 2012. The attached memorandum lists the contaminants detected and their corresponding concentrations. The concentrations of the contaminants detected are above United States Environmental Protection Agency (USEPA) and North Carolina Department of Environment and Natural Resources (DENR) acceptable screening limits. Further evaluation of the potential for contaminant vapor intrusion is necessary. Therefore, we would like to collect a crawlspace air sample and an exterior upwind background sample from both Apartments 1 and 2. It is important that crawlspace air be sampled from your property and analyzed to assess whether groundwater contamination has the potential to cause indoor air contamination at your property.

Please complete the attached Access Authorization Form to Conduct Sampling Activities and return it to me in the self addressed stamped envelope included. Time is of the essence as sampling activities are currently scheduled to begin the week of January 7 and hopefully will only take a few days.

Thank you for your participation in the Willow Street Soil Gas Study. If you have any questions or comments, please contact me at (704) 235-2173 or by email at david.ramey@ncdenr.gov.

Sincerely,

David Ramey, Hydrogeologist
Inactive Hazardous Sites Branch
Superfund Section

cc: Valerie Gilyard, 2835 Willow Street, Apt 1, Charlotte, NC 28208
Current Resident, 2835 Willow Street, Apt 2, Charlotte, NC 28208

November 29, 2012

MEMORANDUM

TO: Davis Ramey, Hydrogeologist
Inactive Hazardous Sites Branch
Superfund Section

FROM: Hanna Assefa, Industrial Hygiene Consultant 
Inactive Hazardous Sites Branch
Superfund Section

RE: Health Risk Evaluation
Primrose Ave PCE Contamination (Willow Street Soil Gas Study)
SFH Financial LLC – SV-8-111412
2835 Willow St
Charlotte, Mecklenburg County

A subsurface soil gas sample was collected from the subject property on November 14, 2012 for the purposes of evaluating the potential for vapor intrusion into nearby residences. The following contaminants were detected in the soil gas:

Laboratory Sample #	Contaminant	Concentration $\mu\text{g}/\text{m}^3$
L606917-07	Benzene	5.7
	Carbon Tetrachloride	19.
	Chloroform	20.
	cis-1,2-Dichloroethylene	110
	Methylene Chloride	14.
	Trichloroethylene	2,000
	Tetrachloroethylene	3,900

Shaded box indicates applicable limit has been exceeded.

The first step in the process of evaluating the potential for contaminated vapors in the subsurface to advance into the interior of buildings will be to predict what concentration of contaminant could potentially make its way into indoor air. Contaminant concentrations from the subsurface soil gas collected from the property are used as a conservative predictor of concentrations in indoor air. Potential cancer and non-cancer health risk is calculated at these concentrations. The calculated health risk for the potential indoor air concentration is compared to United States Environmental Protection Agency (USEPA) and North Carolina Department of Environment and Natural Resources (DENR) acceptable risk levels. USEPA and DENR set a maximum excess cancer risk of 1 in 10,000 and a hazard index of 1 for non cancer health effects for the collective total of contaminants present. **The concentration of the contaminants detected in this sample collectively causes an excess cancer risk greater than 1 in 10,000. The hazard index calculated for the concentration of tetrachloroethylene and trichloroethylene detected in this sample exceeds 1 and thus is above USEPA and DENR acceptable limits. Further evaluation of the potential for contaminant vapor intrusion is necessary.**

Access Authorization Form to Conduct Sampling Activities

1. I, _____, am the current owner (or tenant) of the property located at _____ (the "Property") and as such I am authorized to sign this document.

2. I grant authorization to the North Carolina Department of Environment and Natural Resources (NC DENR), its officers, employees, contractors, and other authorized representatives to enter upon and have continued access to the Property. This authorization allows NC DENR, its officers, employees, contractors and other authorized representatives to have access to the Property to conduct certain sampling activities. NC DENR's activities at the Property may include, but are not limited to, the following:
 - a. Crawlspace air sampling, requiring access to your crawlspace and removal of potential contaminants from your crawlspace such as gas cans, lawnmowers, paint cans, etc.

3. The consent for access and use granted herein will begin on December 7, 2012, and will continue through February 28, 2013.

4. By granting this authorization, I do not admit any liability in relation to the Property and do not waive any rights to which I may be entitled.

5. The costs of the sampling activities shall be borne by the NC DENR.

6. Data collected during the activities on the Property shall be made available to me upon request.

7. Data collected during the activities on the Property may be a matter of public record in accordance with state and/or federal law. The NC DENR and its contractors shall not be construed to be my agent, employee, or contractor.

8. NC DENR or its contractors will employ reasonable efforts to return the Property to pre-investigation conditions.

Date: _____

Printed Name of Owner: _____

Signature of Owner: _____

Or:

Printed Name of Tenant: _____

Signature of Tenant: _____

Is there someone we should notify before we come to the Property? Yes: ___ No: ___
Contact Information for the person/people who we should notify before we come to the Property:

Name(s): _____

Phone Number(s): _____

Email Address(es): _____

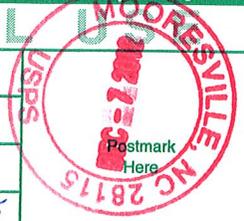
U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USPS RECEIPT

7007 0710 0005 2882 3855

Postage	\$	
Certified Fee		5.95
Return Receipt Fee (Endorsement Required)		0.45
Restricted Delivery Fee (Endorsement Required)		4.45



Total Postage & Fees: SFH Financial LLC
 PO Box 2741
 Huntersville, NC 28070

Sent To
Street, Apt. No., or PO Box No.
City, State, ZIP+4

1HW-DR

PS Form 3800, August 2006

See Reverse for Instructions

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

SFH Financial LLC
 PO Box 2741
 Huntersville, NC 28070

12-7-07 *1HW-DR*

COMPLETE THIS SECTION ON DELIVERY

A. Signature X *[Signature]* Agent
 Addressee

B. Received by (Printed Name) *DLC* *North Carolina* C. Date of Delivery *12-7-07*

D. Is delivery address different from item 1? Yes
 If YES, enter delivery address below: No

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.

4. Restricted Delivery? (Extra Fee) Yes

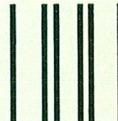
2. Article Number
 (Transfer from service label)

PS Form 3811, February 2004

7007 0710 0005 2882 3855
 Domestic Return Receipt

102595-02-M-1540

UNITED STATES POSTAL SERVICE



First-Class Mail
Postage & Fees Paid
USPS
Permit No. G-10

• Sender: Please print your name, address, and ZIP+4 in this box •

NCDENR DWM-14W
610 East Center Avenue, Suite 301
Mooreville, NC 28115

RECEIVED

DR

DEC 12 2012

NCDENR MRO IHSB



North Carolina Department of Environment and Natural Resources

Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

FILE

December 7, 2012

Mr. Billy Dinkins and Ms. Roberta Dinkins
3715 Atlas Drive
Charlotte, NC 28269

Re: Soil Gas Results and Access Authorization Request for Crawlspace Air Study
2848 Willow Street
Charlotte, NC 28208

Dear Mr. and Ms. Dinkins:

A soil gas sample was collected from your property on November 14, 2012. The attached memorandum lists the contaminants detected and their corresponding concentrations. The concentrations of the contaminants detected are above United States Environmental Protection Agency (USEPA) and North Carolina Department of Environment and Natural Resources (DENR) acceptable screening limits. Further evaluation of the potential for contaminant vapor intrusion is necessary. Therefore, we would like to collect a crawlspace air sample and an exterior upwind background sample from your property. It is important that crawlspace air be sampled from your property and analyzed to assess whether groundwater contamination has the potential to cause indoor air contamination at your property.

Please complete the attached Access Authorization Form to Conduct Sampling Activities and return it to me in the self addressed stamped envelope included. Time is of the essence as sampling activities are currently scheduled to begin the week of January 7 and hopefully will only take a few days.

Thank you for your participation in the Willow Street Soil Gas Study. If you have any questions or comments, please contact me at (704) 235-2173 or by email at david.ramey@ncdenr.gov.

Sincerely,

David Ramey, Hydrogeologist
Inactive Hazardous Sites Branch
Superfund Section

cc: Current Resident, 2848 Willow Street, Charlotte, NC 28208

November 29, 2012

MEMORANDUM

TO: Davis Ramey, Hydrogeologist
Inactive Hazardous Sites Branch
Superfund Section

FROM: Hanna Assefa, Industrial Hygiene Consultant 
Inactive Hazardous Sites Branch
Superfund Section

RE: Health Risk Evaluation
Primrose Ave PCE Contamination (Willow Street Soil Gas Study)
Billy Dinkins and Roberta Dinkins – SV-9-111412
2848 Willow St
Charlotte, Mecklenburg County

A subsurface soil gas sample was collected from the subject property on November 14, 2012 for the purposes of evaluating the potential for vapor intrusion into nearby residences. The following contaminants were detected in the soil gas:

Laboratory Sample #	Compound	Concentration $\mu\text{g}/\text{m}^3$
L606917-08	Bromodichloromethane	<27.
	Chloroform	<19.
	Methylene Chloride	20.
	Trichloroethylene	260
	Tetrachloroethylene	1900

Shaded box indicates applicable limit has been exceeded.

The first step in the process of evaluating the potential for contaminated vapors in the subsurface to advance into the interior of buildings will be to predict what concentration of contaminant could potentially make its way into indoor air. Contaminant concentrations from the subsurface soil gas collected from the property are used as a conservative predictor of concentrations in indoor air. Potential cancer and non-cancer health risk is calculated at these concentrations. The calculated health risk for the potential indoor air concentration is compared to United States Environmental Protection Agency (USEPA) and North Carolina Department of Environment and Natural Resources (DENR) acceptable risk levels. USEPA and DENR set a maximum excess cancer risk of 1 in 10,000 and a hazard index of 1 for non cancer health effects for the collective total of contaminants present. **The concentration of the contaminants detected in this sample collectively causes an excess cancer risk greater than 1 in 10,000. The hazard index calculated for the concentration of tetrachloroethylene and trichloroethylene detected in this sample exceeds 1 and thus is above USEPA and DENR acceptable limits. Further evaluation of the potential for contaminant vapor intrusion is necessary.**

Access Authorization Form to Conduct Sampling Activities

1. I, _____, am the current owner (or tenant) of the property located at _____ (the "Property") and as such I am authorized to sign this document.
2. I grant authorization to the North Carolina Department of Environment and Natural Resources (NC DENR), its officers, employees, contractors, and other authorized representatives to enter upon and have continued access to the Property. This authorization allows NC DENR, its officers, employees, contractors and other authorized representatives to have access to the Property to conduct certain sampling activities. NC DENR's activities at the Property may include, but are not limited to, the following:
 - a. Crawlspace air sampling, requiring access to your crawlspace and removal of potential contaminants from your crawlspace such as gas cans, lawnmowers, paint cans, etc.
3. The consent for access and use granted herein will begin on December 7, 2012, and will continue through February 28, 2013.
4. By granting this authorization, I do not admit any liability in relation to the Property and do not waive any rights to which I may be entitled.
5. The costs of the sampling activities shall be borne by the NC DENR.
6. Data collected during the activities on the Property shall be made available to me upon request.
7. Data collected during the activities on the Property may be a matter of public record in accordance with state and/or federal law. The NC DENR and its contractors shall not be construed to be my agent, employee, or contractor.
8. NC DENR or its contractors will employ reasonable efforts to return the Property to pre-investigation conditions.

Date: _____

Printed Name of Owner: _____

Signature of Owner: _____

Or:

Printed Name of Tenant: _____

Signature of Tenant: _____

Is there someone we should notify before we come to the Property? Yes: ___ No: ___

Contact Information for the person/people who we should notify before we come to the Property:

Name(s): _____

Phone Number(s): _____

Email Address(es): _____

**U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT**
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com®

OFFICIAL MOORESVILLE

Postage \$
Certified Fee
Return Receipt Fee
(Endorsement Required)
Restricted Delivery Fee
(Endorsement Required)

5.95
4.15
1.80

MOORESVILLE
DEC-7 2004
415
28179

Postmark
Here

To
Mr. Billy Dinkins
Ms. Roberta Dinkins
3715 Atlas Drive
Charlotte, NC 28269

Sent
Size
or
City

1HK1-DR

PS Form 3800, August 2006

See Reverse for Instructions

PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT
OF THE RETURN ADDRESS, OR ON THE FRONT OF THE MAILPIECE.

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Mr. Billy Dinkins
Ms. Roberta Dinkins
3715 Atlas Drive
Charlotte, NC 28269

12-7-02 1HK1-DR

COMPLETE THIS SECTION ON DELIVERY

- A. Signature Agent
 Addressee
- B. Received by (Printed Name) C. Date of Delivery
- D. Is delivery address different from item 1? Yes
If YES, enter delivery address below: No

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.

4. Restricted Delivery? (Extra Fee) Yes

2. Article Number (Transfer from servc) 7007 0710 0005 2882 3862

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-1540



NORTH CAROLINA DEPARTMENT OF
 ENVIRONMENT AND NATURAL RESOURCES
 MOORESVILLE REGIONAL OFFICE
 610 EAST CENTER AVENUE, SUITE 301
 MOORESVILLE, NC 28115

DWN/ JHW / SXS

RECEIVED
 JAN 9 2013
 NCDENR MRO IHSB

1 of 25

CERTIFIED MAIL™



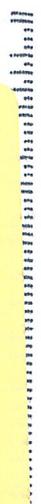
7007 0710 0005 2862 3862



Mr. Billy Dinkins
 Ms. Roberta Dinkins

RTS
 RETURN TO SENDER

A INSUFFICIENT ADDRESS
 C ATTEMPTED NOT KNOWN
 S NO SUCH NUMBER/ STREET
 NOT DELIVERABLE AS ADDRESSED
 OTHER
 UNABLE TO FORWARD





Ms. Dinkins, I regret that you didn't receive this letter in December when I sent it.

North Carolina Department of Environment and Natural Resources

Please contact me with questions or comments.
 Beverly Eaves Perdue, Governor
 Dexter R. Matthews, Director
 David Ramey
 Dee Freeman, Secretary

December 7, 2012 Thursday, January 3, 2013

FILE

FILE COPY

Mr. Billy Dinkins and Ms. Roberta Dinkins
 ~~3715 Atlas Drive~~ 7126 Bluff Wood Cove
 Charlotte, NC 28269 12

Re: Soil Gas Results and Access Authorization Request for Crawlspace Air Study
 2848 Willow Street
 Charlotte, NC 28208

Dear Mr. and Ms. Dinkins:

A soil gas sample was collected from your property on November 14, 2012. The attached memorandum lists the contaminants detected and their corresponding concentrations. The concentrations of the contaminants detected are above United States Environmental Protection Agency (USEPA) and North Carolina Department of Environment and Natural Resources (DENR) acceptable screening limits. Further evaluation of the potential for contaminant vapor intrusion is necessary. Therefore, we would like to collect a crawlspace air sample and an exterior upwind background sample from your property. It is important that crawlspace air be sampled from your property and analyzed to assess whether groundwater contamination has the potential to cause indoor air contamination at your property.

Thank you for your verbal authorization to proceed.

Please complete the attached Access Authorization Form to Conduct Sampling Activities and return it to me in the self-addressed stamped envelope included. Time is of the essence as sampling activities are currently scheduled to begin the week of January 7 and hopefully will only take a few days.

Thank you for your participation in the Willow Street Soil Gas Study. If you have any questions or comments, please contact me at (704) 235-2173 or by email at david.ramey@ncdenr.gov.

Sincerely,

David Ramey

T., 1/18: Check sampling locations
 T., 1/15 & W., 1/16: Collect air samples.

David Ramey, Hydrogeologist
 Inactive Hazardous Sites Branch
 Superfund Section

~~cc: Current Resident, 2848 Willow Street, Charlotte, NC 28208~~

November 29, 2012

MEMORANDUM

TO: Davis Ramey, Hydrogeologist
Inactive Hazardous Sites Branch
Superfund Section

FROM: Hanna Assefa, Industrial Hygiene Consultant
Inactive Hazardous Sites Branch
Superfund Section



RE: Health Risk Evaluation
Primrose Ave PCE Contamination (Willow Street Soil Gas Study)
Billy Dinkins and Roberta Dinkins – SV-9-111412
2848 Willow St
Charlotte, Mecklenburg County

A subsurface soil gas sample was collected from the subject property on November 14, 2012 for the purposes of evaluating the potential for vapor intrusion into nearby residences. The following contaminants were detected in the soil gas:

Laboratory Sample #	Compound	Concentration $\mu\text{g}/\text{m}^3$
L606917-08	Bromodichloromethane	<27.
	Chloroform	<19.
	Methylene Chloride	20.
	Trichloroethylene	200.
	Tetrachloroethylene	1000.

Shaded box indicates applicable limit has been exceeded.

The first step in the process of evaluating the potential for contaminated vapors in the subsurface to advance into the interior of buildings will be to predict what concentration of contaminant could potentially make its way into indoor air. Contaminant concentrations from the subsurface soil gas collected from the property are used as a conservative predictor of concentrations in indoor air. Potential cancer and non-cancer health risk is calculated at these concentrations. The calculated health risk for the potential indoor air concentration is compared to United States Environmental Protection Agency (USEPA) and North Carolina Department of Environment and Natural Resources (DENR) acceptable risk levels. USEPA and DENR set a maximum excess cancer risk of 1 in 10,000 and a hazard index of 1 for non cancer health effects for the collective total of contaminants present. **The concentration of the contaminants detected in this sample collectively causes an excess cancer risk greater than 1 in 10,000. The hazard index calculated for the concentration of tetrachloroethylene and trichloroethylene detected in this sample exceeds 1 and thus is above USEPA and DENR acceptable limits. Further evaluation of the potential for contaminant vapor intrusion is necessary.**

Access Authorization Form to Conduct Sampling Activities

1. I, _____, am the current owner (or tenant) of the property located at _____ (the "Property") and as such I am authorized to sign this document.

2. I grant authorization to the North Carolina Department of Environment and Natural Resources (NC DENR), its officers, employees, contractors, and other authorized representatives to enter upon and have continued access to the Property. This authorization allows NC DENR, its officers, employees, contractors and other authorized representatives to have access to the Property to conduct certain sampling activities. NC DENR's activities at the Property may include, but are not limited to, the following:

a. Crawlspace air sampling, requiring access to your crawlspace and removal of potential contaminants from your crawlspace such as gas cans, lawnmowers, paint cans, etc.

3. The consent for access and use granted herein will begin on December 7, 2012, and will continue through February 28, 2013.

4. By granting this authorization, I do not admit any liability in relation to the Property and do not waive any rights to which I may be entitled.

5. The costs of the sampling activities shall be borne by the NC DENR.

6. Data collected during the activities on the Property shall be made available to me upon request.

7. Data collected during the activities on the Property may be a matter of public record in accordance with state and/or federal law. The NC DENR and its contractors shall not be construed to be my agent, employee, or contractor.

8. NC DENR or its contractors will employ reasonable efforts to return the Property to pre-investigation conditions.

Ms. Dinkins, this form is for your information only! Thank you for your verbal authorization to proceed. You do not need to return this form to me. Thank you, David Ramey

Date: _____

Printed Name of Owner: _____

Signature of Owner: _____

Or:

Printed Name of Tenant: _____

Signature of Tenant: _____

Is there someone we should notify before we come to the Property? Yes: ___ No: ___

Contact Information for the person/people who we should notify before we come to the Property:

Name(s): _____

Phone Number(s): _____

Email Address(es): _____



North Carolina Department of Environment and Natural Resources

Division of Waste Management

Dexter R. Matthews

Director

Beverly Eaves Perdue
Governor

Dee Freeman
Secretary

FILE

December 7, 2012

APIV Enterprises LLC
12308 Silveroak Lane
Charlotte, NC 28277

Re: Soil Gas Results and Access Authorization Request for Crawlspace Air Study
2852 Willow Street
Charlotte, NC 28208

Dear Owner:

We conducted a soil gas study on Willow Street including 2848 Willow Street next door to your address. A soil gas sample was collected from your neighbor's property on November 14, 2012. The attached memorandum lists the contaminants detected and their corresponding concentrations. The concentrations of the contaminants detected are above United States Environmental Protection Agency (USEPA) and North Carolina Department of Environment and Natural Resources (DENR) acceptable screening limits. Further evaluation of the potential for contaminant vapor intrusion is necessary. Therefore, we would like to collect a crawlspace air sample and an exterior upwind background sample from your property. It is important that crawlspace air be sampled from your property and analyzed to assess whether groundwater contamination has the potential to cause indoor air contamination at your property.

Please complete the attached Access Authorization Form to Conduct Sampling Activities and return it to me in the self addressed stamped envelope included. Time is of the essence as sampling activities are currently scheduled to begin the week of January 7 and hopefully will only take a few days.

If you have any questions or comments, please contact me at (704) 235-2173 or by email at david.ramey@ncdenr.gov.

Sincerely,

David Ramey, Hydrogeologist
Inactive Hazardous Sites Branch
Superfund Section

cc: Current Resident, 2852 Willow Street, Charlotte, NC 28208

November 29, 2012

MEMORANDUM

TO: Davis Ramey, Hydrogeologist
Inactive Hazardous Sites Branch
Superfund Section

FROM: Hanna Assefa, Industrial Hygiene Consultant *HA*
Inactive Hazardous Sites Branch
Superfund Section

RE: Health Risk Evaluation
Primrose Ave PCE Contamination (Willow Street Soil Gas Study)
Billy Dinkins and Roberta Dinkins – SV-9-111412
2848 Willow St
Charlotte, Mecklenburg County

A subsurface soil gas sample was collected from the subject property on November 14, 2012 for the purposes of evaluating the potential for vapor intrusion into nearby residences. The following contaminants were detected in the soil gas:

Laboratory Sample #	Compound	Concentration $\mu\text{g}/\text{m}^3$
L606917-08	Bromodichloromethane	<27.
	Chloroform	<19.
	Methylene Chloride	20.
	Trichloroethylene	260
	Tetrachloroethylene	1900

Shaded box indicates applicable limit has been exceeded.

The first step in the process of evaluating the potential for contaminated vapors in the subsurface to advance into the interior of buildings will be to predict what concentration of contaminant could potentially make its way into indoor air. Contaminant concentrations from the subsurface soil gas collected from the property are used as a conservative predictor of concentrations in indoor air. Potential cancer and non-cancer health risk is calculated at these concentrations. The calculated health risk for the potential indoor air concentration is compared to United States Environmental Protection Agency (USEPA) and North Carolina Department of Environment and Natural Resources (DENR) acceptable risk levels. USEPA and DENR set a maximum excess cancer risk of 1 in 10,000 and a hazard index of 1 for non cancer health effects for the collective total of contaminants present. **The concentration of the contaminants detected in this sample collectively causes an excess cancer risk greater than 1 in 10,000. The hazard index calculated for the concentration of tetrachloroethylene and trichloroethylene detected in this sample exceeds 1 and thus is above USEPA and DENR acceptable limits. Further evaluation of the potential for contaminant vapor intrusion is necessary.**

Access Authorization Form to Conduct Sampling Activities

1. I, _____, am the current owner (or tenant) of the property located at _____ (the "Property") and as such I am authorized to sign this document.

2. I grant authorization to the North Carolina Department of Environment and Natural Resources (NC DENR), its officers, employees, contractors, and other authorized representatives to enter upon and have continued access to the Property. This authorization allows NC DENR, its officers, employees, contractors and other authorized representatives to have access to the Property to conduct certain sampling activities. NC DENR's activities at the Property may include, but are not limited to, the following:
 - a. Crawlspace air sampling, requiring access to your crawlspace and removal of potential contaminants from your crawlspace such as gas cans, lawnmowers, paint cans, etc.

3. The consent for access and use granted herein will begin on December 7, 2012, and will continue through February 28, 2013.

4. By granting this authorization, I do not admit any liability in relation to the Property and do not waive any rights to which I may be entitled.

5. The costs of the sampling activities shall be borne by the NC DENR.

6. Data collected during the activities on the Property shall be made available to me upon request.

7. Data collected during the activities on the Property may be a matter of public record in accordance with state and/or federal law. The NC DENR and its contractors shall not be construed to be my agent, employee, or contractor.

8. NC DENR or its contractors will employ reasonable efforts to return the Property to pre-investigation conditions.

Date: _____

Printed Name of Owner: _____

Signature of Owner: _____

Or:

Printed Name of Tenant: _____

Signature of Tenant: _____

Is there someone we should notify before we come to the Property? Yes: ___ No: ___
Contact Information for the person/people who we should notify before we come to the Property:

Name(s): _____

Phone Number(s): _____

Email Address(es): _____

7007 0710 0005 2882 2650

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage \$
Certified Fee
Return Receipt Fee
(Endorsement Required)
Restricted Delivery Fee
(Endorsement Required)

59.50
4.45



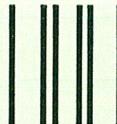
APIV Enterprises LLC
12308 Silveroak Lane
Charlotte, NC 28277

PS Form 3800, August 2006

See Reverse for Instructions

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature <input type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee</p>
1. Article Addressed to:	<p>B. Received by (Printed Name) C. Date of Delivery Jennifer Passels 12/11/12</p>
<p>APIV Enterprises LLC 12308 Silveroak Lane Charlotte, NC 28277</p> <p>12-7-12 1HX-DR</p>	<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p>
2. Article Number: (Transfer from serv)	<p>3. Service Type</p> <p><input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input checked="" type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p>
PS Form 3811, February 2004	4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes
<p>7007 0710 0005 2882 2650</p>	
Domestic Return Receipt	102595-02-M-1540

UNITED STATES POSTAL SERVICE



First-Class Mail
Postage & Fees Paid
USPS
Permit No. G-10

• Sender: Please print your name, address, and ZIP+4 in this box •

NCDENR DWM - 1 HW
610 East Center Avenue, Suite 301
Mooreville, NC 28115

RECEIVED

DR

DEC 12 2012

NCDENR MRO IHSB

