

cc: Health  
Bldg  
Plan

2



New Jersey Department of Environmental Protection  
Site Remediation Program

RECEPTOR EVALUATION (RE) FORM

Date Stamp  
(For Department use only)

SECTION A. SITE NAME AND LOCATION

Site Name: Klejna Residence

List all AKAs: \_\_\_\_\_

Street Address: 125 Flanders-Drakestown Rd

Municipality: Flanders, Mount Olive Township (Township, Borough or City)

County: Morris Zip Code: 07836

Program Interest (PI) Number(s): 594961 Case Tracking Number(s): 12-08-21-1119-15

Indicate the type of submission:

Initial RE Submission

Updated RE Submission

Indicate the reason for submission of an updated RE form

Submission of an Immediate Environmental Concern (IEC) source control report;

Submission of a Remedial Investigation Report;

Submission of a Remedial Action Report;

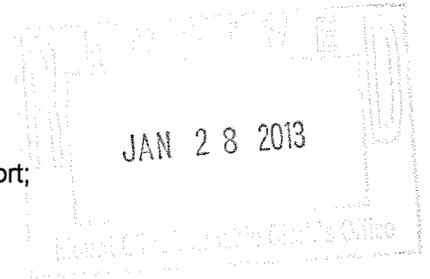
Check if included in updated RE

The known concentration or extent of contamination in any medium has increased;

A new AOC has been identified;

A new receptor is identified;

A new exposure pathway has been identified.



SECTION B. ON SITE AND SURROUNDING PROPERTY USE

1. Identify any sensitive populations/uses that are currently on-site or surrounding property usage within 200 feet of the site boundary (check all that apply):

	On-site	Off-site
None of the following .....	<input type="checkbox"/>	<input type="checkbox"/>
Residences or residential property .....	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Public or Private Schools grades K-12 .....	<input type="checkbox"/>	<input type="checkbox"/>
Child care centers .....	<input type="checkbox"/>	<input type="checkbox"/>
Public parks, playgrounds or other recreation areas .....	<input type="checkbox"/>	<input type="checkbox"/>
Other sensitive population use(s) Explain _____	<input type="checkbox"/>	<input type="checkbox"/>

If any of the above applies, attach a list of addresses, facility names, type of use, and a map depicting each location relative to the site.

2. Current site uses (check all that apply):

- Industrial  Residential  Commercial  Agricultural
- School or child care  Government  Park or recreational use
- Vacant  Other: \_\_\_\_\_

3. Planned future site uses and off-site use within 200 ft of site boundary (check all that apply):

- Industrial  Residential  Commercial  Agricultural
- School or child care  Government  Park or recreational use
- Vacant  Other: \_\_\_\_\_

Provide a map depicting the location of the proposed changes in land use.

**SECTION C. DESCRIPTION OF CONTAMINATION**

1. Identify if any of the following exist at the site (check all that apply):

- Free product [N.J.A.C. 7:26E-1.8] identified is  LNAPL\* or  DNAPL\*\*. Date identified: \_\_\_\_\_
- Residual product [N.J.A.C. 7:26E-1.8]
- Other high concentration source materials not identified above (e.g., buried drums, containers, unsecured friable asbestos)

Explain: \_\_\_\_\_

\* LNAPL – measured thickness of .01 feet or more

\*\*DNAPL – See US EPA DNAPL Overview

2. Soil Migration Pathway

Has soil contamination been delineated to the applicable Direct Contact Soil Remediation Standard? .....  Yes  No

Are all soils either below the applicable Direct Contact Criteria or under an institutional control (i.e. deed notice)? .....  Yes  No

3. If this evaluation is submitted with a technical document that includes contaminant summary information, proceed to Section D. Otherwise attach a brief summary of all currently available data and information to be included in the site investigation or remedial investigation report. Please see attached Project Status Summary

**SECTION D. GROUND WATER USE**

1. Has the requirement for ground water sampling been triggered? .....  Yes  No  Unknown  
If "No," proceed to Section F. If "Unknown," explain: \_\_\_\_\_

2. Is Ground water contaminated above the Ground Water Remediation Standards [N.J.A.C.7:9C]? .....  Yes  No  Unknown

Or  Awaiting laboratory data with the expected due date: \_\_\_\_\_

If "Yes," provide the date that the laboratory data was available and confirmed contamination above the Ground Water Remediation Standards. Date: 10/15/2012

If "Unknown," explain: \_\_\_\_\_

If "No," or awaiting laboratory data proceed to Section F.

3. Has ground water contamination been delineated to the applicable Remediation Standard? .....  Yes  No

4. Has a well search been completed? .... Well records requested on 12/20/12 .....  Yes  No

Date of most recent or updated well search: \_\_\_\_\_ Well search results to be included in RIR

Identify if any of the following conditions exist based on the well search [N.J.A.C.7:26E-1.14(a)] (check all that apply):

- Potable wells located within 500 feet from the downgradient edge of the currently known extent of contamination.
- Potable well located 250 feet upgradient or 500 feet side gradient of the currently known extent of contamination.
- Ground water contamination is located within a Tier 1 wellhead protection area (WHPA).

5. Is a completed Well Search Spreadsheet or historical well search table attached and has an electronic copy of the spreadsheet been submitted to [srpgis\\_wrs@dep.state.nj.us](mailto:srpgis_wrs@dep.state.nj.us) .....  Yes  No

If "No," explain: Well search results to be submitted in RIR

6. Are any private potable or irrigation wells located within 1/2 mile of the currently known extent of contamination? ..... Undetermined at this time .....  Yes  No

If "Yes," was a door to door survey completed? .....  Yes  No

If survey was not completed explain: \_\_\_\_\_

7. Has sampling been conducted of  potable well(s) and /or  non-potable use well(s)? .....  Yes  No

If "No," provide justification then proceed to Section E. Klejna potable well only

8 Has contamination been identified in potable well(s) above Ground Water Remediation Standards that is not suspected to be from the site? (If "Yes," provide justification) .....  Yes  No

9 Has contamination been identified in potable well(s) that is above the Ground Water Remediation Standards or Federal Drinking Water Standards? .....  Yes  No

Provide date laboratory data was received: 10/15/12 and 12/11/12

Or  awaiting laboratory data with the expected due date: \_\_\_\_\_

If "Yes" for potable well contamination **not attributable to background**, follow the IEC Guidance Document at <http://www.nj.gov/dep/srp/guidance/index.html#iec> for required actions and answer the following:

Has an engineered system response action been completed on all receptors? .....  Yes  No

Provide a brief narrative description:

Date completed: \_\_\_\_\_ NJDEP Case Manager: \_\_\_\_\_

10. Were Non-potable use well(s) sampled and results were above Class II Ground Water Remediation Standards? .....  Yes  No

Provide date laboratory data was received: \_\_\_\_\_

Or  awaiting laboratory data with the expected due date: \_\_\_\_\_

11. Has the ground water use evaluation been completed? .....  Yes  No

**SECTION E. VAPOR INTRUSION (VI)**

1. Contaminants present in ground water exceed the Vapor Intrusion Ground Water Screening Levels that trigger a VI evaluation. (see NJDEP Vapor Intrusion Technical Guidance). ...  Yes  No  Unknown

Or  Awaiting laboratory data and the expected due date: \_\_\_\_\_

Provide the date that the laboratory data was available and confirmed contamination above the Vapor Intrusion Trigger Levels. Date: \_\_\_\_\_

2. Other existing conditions that trigger a VI evaluation. (see NJDEP Vapor Intrusion Technical Guidance)

- Wet basement or sump containing free product or ground water containing volatile organics
- Methane generating conditions causing oxygen deficient or explosion concern
- Other human or safety concern from the VI pathway (i.e. elemental mercury, unsaturated contamination, elevated soil gas or indoor vapor (explain):

If you answered "No," or awaiting laboratory data to Question 1., and did not check any boxes in Question 2, proceed to Section F, "Ecological Receptors", otherwise complete the rest of this section.

3. Has ground water contamination been delineated to the applicable Ground Water Vapor Screening Level? .....  Yes  No

4. Was a site specific screening level, modeling or other alternative approach employed for the VI pathway? .....  Yes  No

5. Identify and locate on a scaled map any buildings/sensitive populations that exist within the following distances from ground water contamination with concentrations above the Vapor Intrusion Ground Water Screening Levels or specific threats (check all that apply):

- 30 feet of petroleum free product or dissolved petroleum hydrocarbon contamination in ground water
- 100 feet of any non-petroleum free product or any non-petroleum dissolved volatile organic ground water contamination
- No buildings exist within the specified distances

6. The vapor intrusion pathway is a concern at or adjacent to the site (if "No," attach justification).....  Yes  No

7. Has soil gas sampling of the building(s) been conducted?.....  Yes  No  N/A  
If "No," or "N/A," proceed to #10
8. Has indoor air sampling been conducted at the identified building(s)? .....  Yes  No  
If "No," proceed to #10
9. Has indoor air contamination been identified but not suspected to be from the site?  
(if "Yes," attach justification) .....  Yes  No
10. Indoor air results were above the NJDEP's Rapid Action Levels. ....  Yes  No  
Provide the date that the laboratory data was available and confirmed contamination above the Rapid Action Levels. Date: \_\_\_\_\_  
Or  Awaiting laboratory data with the expected due date: \_\_\_\_\_  
**If "Yes" to #8 above, follow the IEC Guidance Document at <http://www.nj.gov/dep/srp/guidance/index.html#iec> for required actions.**  
The IEC engineering system response for control was implemented for all identified structures .....  Yes  No  
Date: \_\_\_\_\_ NJDEP Case Manager: \_\_\_\_\_
11. Indoor air sampling was conducted and results were above the NJDEP's Indoor Air Screening Levels but at or below the Rapid Action Levels.....  Yes  No  
Provide the date that the laboratory data was available. Date: \_\_\_\_\_  
Or  Awaiting laboratory data with the expected due date: \_\_\_\_\_  
**If "Yes" to #10 above, answer the following:**  
Has the Vapor Concern (VC) Response Action Form notifying the NJDEP of the exceedances been submitted? .....  Yes  No  
Date: \_\_\_\_\_  
Has a plan to mitigate and monitor the exposure been submitted? .....  Yes  No  
Date: \_\_\_\_\_  
Has the Mitigation Response Action Report been submitted? .....  Yes  No  
Date: \_\_\_\_\_
12. Has the vapor intrusion investigation been completed?.....  Yes  No  
If "No", is the vapor intrusion investigation stepping out as part of the site investigation or remedial investigation. (If "No," attach justification) .....  Yes  No

**SECTION F. ECOLOGICAL RECEPTORS**

1. Has an Ecological Evaluation (EE) has been conducted? [N.J.A.C. 7:26E-1.16] .....  Yes  No  
Date conducted: 11/20/2012
2. Do the results of an EE trigger a remedial investigation of ecological receptors? [N.J.A.C. 7:26E-4.8]. ....  Yes  No
3. Has a remedial investigation of ecological receptors been conducted? .....  Yes  No  
Date conducted: \_\_\_\_\_
4. Provide the name(s) of any surface water body on or within 200 feet of the site:  
None
5. Is free product or residual product located within 100 feet from an ecological receptor?.....  Yes  No
6. Available data indicate an impact on:  Ecological receptor(s)  Surface water  Sediment  
If this evaluation is submitted with a technical document that includes contaminant summary information, proceed to Section G. Otherwise attach a description of the type of contamination and provide a schedule and a description of all actions to be taken to mitigate exposure

**SECTION G. PERSON RESPONSIBLE FOR CONDUCTING THE REMEDIATION INFORMATION AND CERTIFICATION**

Full Legal Name of the Person Responsible for Conducting the Remediation: Mr. Kenneth Klejna

Representative First Name: Kenneth Representative Last Name: Klejna

Title: Property Owner

Phone Number: (973) 927-3267 Ext: \_\_\_\_\_ Fax: \_\_\_\_\_

Mailing Address: 125 Flanders-Drakestown Rd

City/Town: Flanders State: NJ Zip Code: 07836

Email Address: N/A

This certification shall be signed by the person responsible for conducting the remediation who is submitting this notification in accordance with Administrative Requirements for the Remediation of Contaminated Sites rule at N.J.A.C. 7:26C-1.5(a).

*I certify under penalty of law that I have personally examined and am familiar with the information submitted herein, including all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, to the best of my knowledge, I believe that the submitted information is true, accurate and complete. I am aware that there are significant civil penalties for knowingly submitting false, inaccurate or incomplete information and that I am committing a crime of the fourth degree if I make a written false statement which I do not believe to be true. I am also aware that if I knowingly direct or authorize the violation of any statute, I am personally liable for the penalties.*

Signature: *Kenneth Klejna* Date: 1-13-13

Name/Title: Mr. Kenneth Klejna/Property Owner **No Changes Since Last Submittal**

**SECTION H. LICENSED SITE REMEDIATION PROFESSIONAL INFORMATION AND STATEMENT**

LSRP ID Number: 584171

First Name: Karyn

Last Name: Norton

Phone Number: (267) 649-7648

Ext: \_\_\_\_\_

Fax: (267) 649-7658

Mailing Address: 707 N Valley Forge Rd, Suite 1A

City/Town: Lansdale

State: PA

Zip Code: 19446

Email Address: karyn@moriartyenvironmental.com

This statement shall be signed by the LSRP who is submitting this notification in accordance with SRRA Section 16 d. and Section 30 b.2.

*I certify that I am a Licensed Site Remediation Professional authorized pursuant to N.J.S.A. 58:10C to conduct business in New Jersey. As the Licensed Site Remediation Professional of record for this remediation, I:*

**[SELECT ONE OR BOTH OF THE FOLLOWING AS APPLICABLE]:**

*directly oversaw and supervised all of the referenced remediation, and/or*

*personally reviewed and accepted all of the referenced remediation presented herein.*

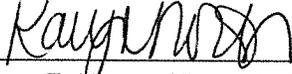
*I believe that the information contained herein, and including all attached documents, is true, accurate and complete.*

*It is my independent professional judgment and opinion that the remediation conducted at this site, as reflected in this submission to the Department, conforms to, and is consistent with, the remediation requirements in N.J.S.A. 58:10C-14.*

*My conduct and decisions in this matter were made upon the exercise of reasonable care and diligence, and by applying the knowledge and skill ordinarily exercised by licensed site remediation professionals practicing in good standing, in accordance with N.J.S.A. 58:10C-16, in the State of New Jersey at the time I performed these professional services.*

*I am aware pursuant to N.J.S.A. 58:10C-17 that for purposely, knowingly or recklessly submitting false statement, representation or certification in any document or information submitted to the board or Department, etc., that there are significant civil, administrative and criminal penalties, including license revocation or suspension, fines and being punished by imprisonment for conviction of a crime of the third degree.*

LSRP Signature: \_\_\_\_\_



Date: 1/8/13

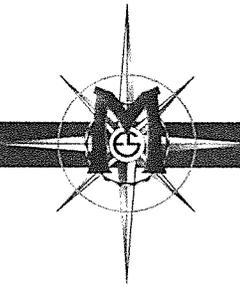
LSRP Name/Title: Karyn E. Norton / Project Manager

**No Changes Since Last Submittal**

Company Name: Moriarty Environmental Solutions, Inc.

Completed forms should be sent to the municipal clerk, designate health department, and:

Bureau of Case Assignment & Initial Notice  
Site Remediation Program  
NJ Department of Environmental Protection  
401-05H  
PO Box 420  
Trenton, NJ 08625-0420



**Moriarty Environmental Solutions, Inc.**  
707 North Valley Forge Road, Suite 1A, Lansdale, PA 19446  
(267) 649-7648 Office / (267) 649-7658 Facsimile  
[www.moriartyenvironmental.com](http://www.moriartyenvironmental.com)

January 16, 2013

Sent Via Certified Mail Number: 7012 0470 0001 2194 3605

Bureau of Case Assignment & Initial Notice  
Site Remediation Program  
New Jersey Department of Environmental Protection  
401-05H, P.O. Box 420  
Trenton, New Jersey 08625-0420

Reference: **PROJECT STATUS SUMMARY**  
**KLEJNA RESIDENCE**  
**125 FLANDERS-DRAKESTOWN ROAD**  
**FLANDERS, MOUNT OLIVE TOWNSHIP, NEW JERSEY**  
**MES PROJECT NUMBER: 12P-3182-04**  
**NJDEP CASE NUMBER: 12-08-21-1119-15**  
**NJDEP SRP PI NUMBER: 594961**

Dear Sir or Madam:

MES was retained by Allstate Insurance Company to determine if groundwater and/or a neighboring property have been impacted by a reported release from a 1,000-gallon fuel-oil underground storage tank (UST) and/or a reported release from a 550-gallon gasoline UST formerly located at the referenced property. Please note that information regarding the fuel-oil release will be submitted to the Unregulated Heating Oil Tank program. This summary describes MES' investigation of the gasoline release only.

According to the information provided, on August 21, 2012, Marksmen Enterprises, LLC (Marksmen) of Andover, New Jersey performed the UST removal activities and reported the release to the New Jersey Department of Environmental Protection (NJDEP).

MES conducted a remedial investigation to determine if groundwater and/or a neighboring property have been impacted by the gasoline release and to determine the extent of contamination. The investigation consisted of the advancement of Geoprobe® borings, the collection of soil, groundwater and potable well samples for laboratory analyses and a receptor evaluation.

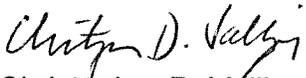
Based upon the information provided and MES' site and remedial investigation, the following conclusions are provided:

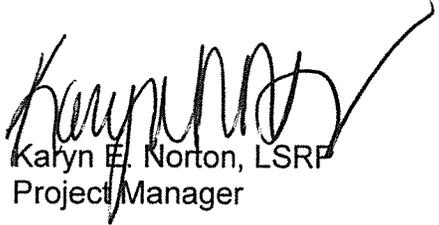
- Marksmen removed the 550-gallon gasoline UST and reported a release to the NJDEP.
- MES conducted a site and remedial investigation on the property and advanced Geoprobe® borings B-7 through B-11. Field evidence of gasoline was detected in B-7 (Drawing 1).
- Laboratory analytical results of soil samples meet the NJDEP Soil Remediation Standards (Drawing 2 and Table I).
- Laboratory analytical results of groundwater sample GW-7 exceed the NJDEP Groundwater Quality Criteria (Drawing 3 and Table II).
- Laboratory analytical results of potable well samples collected from the Klejna residence meet the Federal and New Jersey drinking water standards (Table III).
- The extent of groundwater contamination has been determined and is depicted on Drawing 3.
- MES requested potable well records in December 2012. Upon completion of the potable well search, MES will complete the Remedial Investigation Report.

If you have questions or require additional information, please contact us at 267-649-7648.

Sincerely,

**MORIARTY ENVIRONMENTAL SOLUTIONS, INC.**

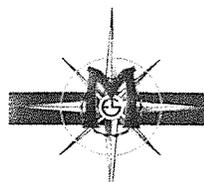
  
Christopher D. Valligny  
Project Environmental Scientist

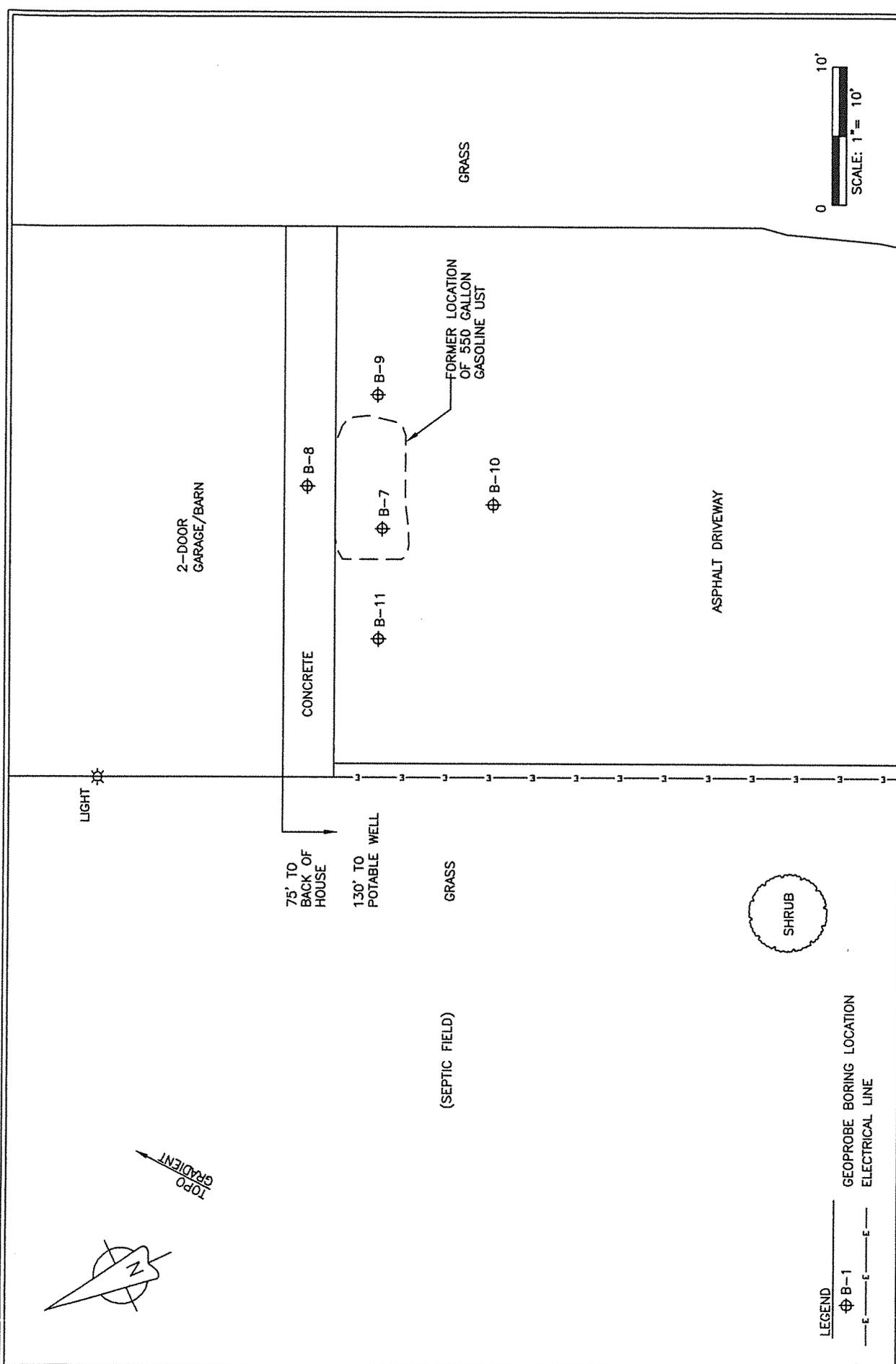
  
Karyn E. Norton, LSRP  
Project Manager

CDV:hs

Drawings:	Drawing 1	Soil Boring Location Map
	Drawing 2	Soil Sample Location Map
	Drawing 5	Groundwater Sample Location Map

Tables:	Table I	Analytical Results of Soil Samples
	Table II	Analytical Results of Groundwater Samples
	Table III	Analytical Results of Potable Well Samples





<b>Moriarty Environmental Solutions Inc.</b>	SOIL BORING LOCATION MAP KLEJNA RESIDENCE 125 FLANDERS-DRAKESTOWN ROAD MOUNT OLIVE TOWNSHIP FLANDERS, NEW JERSEY BLOCK: 7600, LOT: 20		DRAWN BY: CLJ DRAFT CHECK: ENG CHECK:	DATE: JANUARY 2013 JOB NO: 12P-3182-04 CAD NO: 03-20121502.04
	(SEPTIC FIELD)		APPROVAL:	DWG NO: 1
	(SHRUB)		REFERENCE: MORIARTY ENVIRONMENTAL SOLUTIONS, INC. FIELD NOTES	



TOP  
GRADIENT

LIGHT

2-DOOR  
GARAGE/BARN

75' TO  
BACK OF  
HOUSE

130' TO  
POTABLE WELL

(SEPTIC FIELD)

GRASS

GRASS

CONCRETE

⊕ B-7

FORMER LOCATION  
OF 550 GALLON  
GASOLINE UST

B-7	ETHYLBENZENE	XYLENE	LEAD
7' BG TO 7.5' BG	20 PPM	65 PPM	8.4 PPM
8.5' BG TO 9' BG	0.036 PPM	0.037 PPM	8.5 PPM
10' BG TO 10.5' BG	0.019 PPM	0.029 PPM	9.4 PPM
11.5' BG TO 12' BG	ND	ND	7.1 PPM

ASPHALT DRIVEWAY



LEGEND  
 ⊕ B-1 GEOPROBE BORING LOCATION  
 — ELECTRICAL LINE  
 'BG FEET BELOW GRADE  
 ND NOT DETECTED  
 PPM PARTS PER MILLION

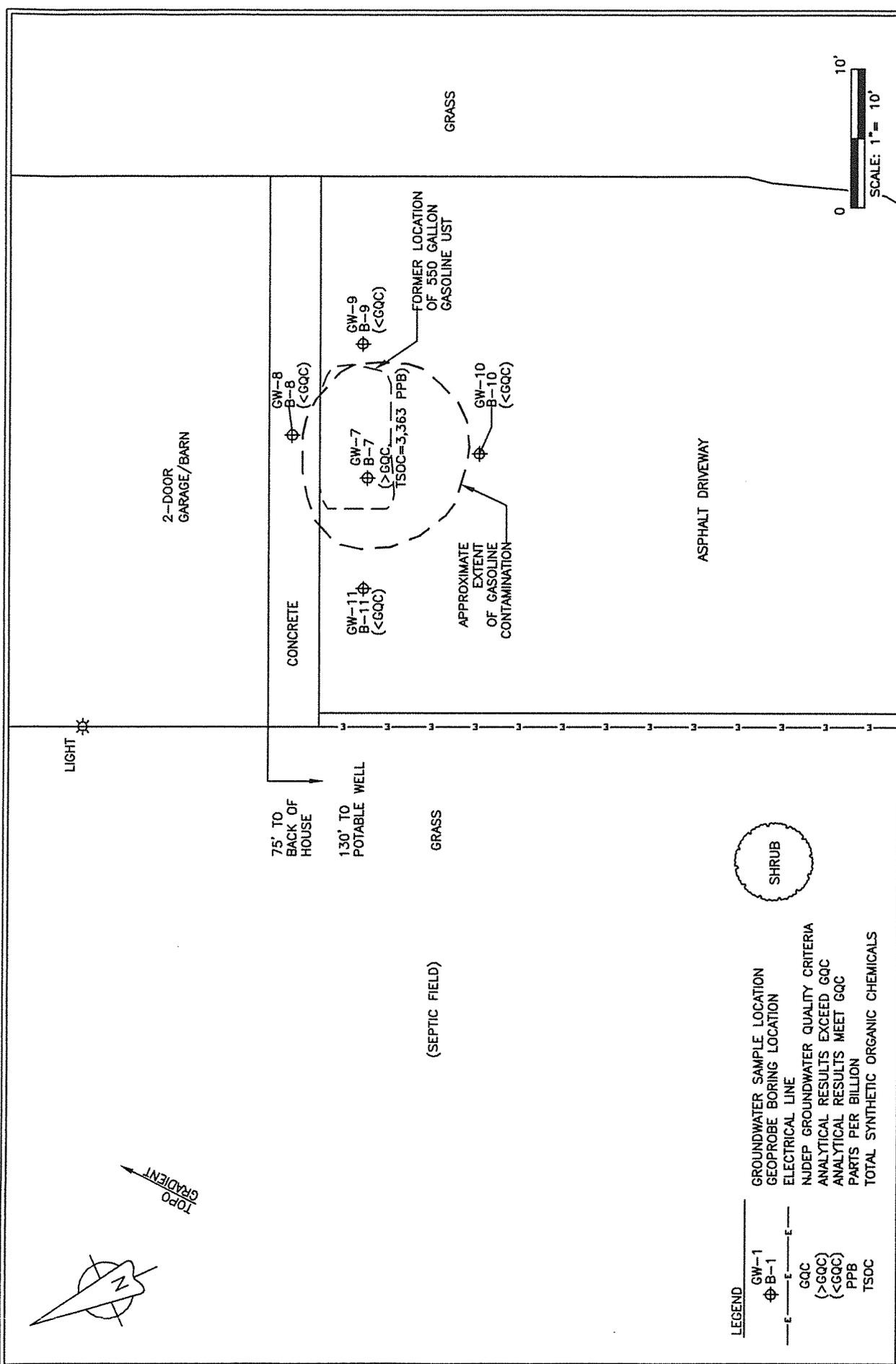


**Moriarty  
Environmental  
Solutions Inc.**

SOIL SAMPLE LOCATION MAP  
 KLEJNA RESIDENCE  
 125 FLANDERS-DRAKESTOWN ROAD  
 MOUNT OLIVE TOWNSHIP  
 FLANDERS, NEW JERSEY  
 BLOCK: 7600, LOT: 20

DRAWN BY:	CLJ	DATE:	JANUARY 2013
DRAFT CHECK:		JOB NO:	12P-3182-04
ENG CHECK:		CAD NO:	03-20121503.04
APPROVAL:		DWG NO:	2

REFERENCE: MORIARTY ENVIRONMENTAL SOLUTIONS, INC. FIELD NOTES



**LEGEND**

GW-1  
 ⊕ B-1  
 — E — E —

GQC  
 (>GQC)  
 (<GQC)  
 PPB  
 TSDC

GROUNDWATER SAMPLE LOCATION  
 GEOPROBE BORING LOCATION  
 ELECTRICAL LINE  
 INDEP GROUNDWATER QUALITY CRITERIA  
 ANALYTICAL RESULTS EXCEED GQC  
 ANALYTICAL RESULTS MEET GQC  
 PARTS PER BILLION  
 TOTAL SYNTHETIC ORGANIC CHEMICALS

<p><b>Moriarty Environmental Solutions Inc.</b></p>	<p>GROUNDWATER SAMPLE LOCATION MAP          KLEJNA RESIDENCE          125 FLANDERS—DRAKESTOWN ROAD          MOUNT OLIVE TOWNSHIP          FLANDERS, NEW JERSEY          BLOCK: 7600, LOT: 20</p>		<p>DATE: JANUARY 2012</p>
	<p>DRAWN BY: CLJ</p>	<p>JOB NO: 12P-3182-04</p>	<p>CAD NO: 03-20121504.04</p>
	<p>APPROVAL:</p>	<p>ENG CHECK:</p>	<p>DWG NO: 3</p>

REFERENCE: MORIARTY ENVIRONMENTAL SOLUTIONS, INC. FIELD NOTES

**Table I**  
**Klejna Residence**  
**Flanders, Mount Olive Township, New Jersey**  
**Analytical Results of Soil Samples**

MES ID:	B-7 @ 7-7.5	B-7 @ 8.5-9	B-7 @ 10-10.5	B-7 @ 11.5-12	NJDEP Soil Remediation Standards (mg/kg)
	450-7091-1	450-7091-2	450-7091-3	450-7091-4	
Laboratory ID:	B-7	B-7	B-7	B-7	
Sample Location:	7' bg to 7.5' bg	8.5' bg to 9' bg	10' bg to 10.5' bg	11.5' bg to 12' bg	
Sample Depth:	Soil	Soil	Soil	Soil	
Matrix:	10/3/12	10/3/12	10/3/12	10/3/12	
Sample Date:	mg/kg	mg/kg	mg/kg	mg/kg	
Units:					
Ethylbenzene	20	0.036	0.019	ND	7,800
Xylenes, Total	65	0.037	0.029	ND	12,000
1,2,4-Trimethylbenzene	96	0.17	0.082	ND	NS
1,3,5-Trimethylbenzene	34	ND	ND	ND	NS
Benzene, 1-ethyl-2-methyl-	80	0.063	ND	ND	NS
Benzene, 1-ethyl-2-methyl-	31	ND	ND	ND	NS
Benzene, 1-ethyl-2,3-dimethyl-	37	ND	ND	ND	NS
Benzene, 1-ethyl-2,4-dimethyl-	ND	0.055	ND	ND	NS
Benzene, 1-ethyl-3-methyl-	ND	0.065	ND	ND	NS
Benzene, 1-ethyl-4-methyl-	ND	ND	0.038	ND	NS
Benzene, 1-ethenyl-4-ethyl-	ND	0.058	ND	ND	NS
Benzene, 1-methyl-2-propyl-	31	ND	ND	ND	NS
Benzene, 1-methyl-3-propyl-	ND	0.057	ND	ND	NS
Benzene, 1-methyl-3-(1-methylethyl)-	54	ND	0.049	ND	NS
Benzene, 2-ethyl-1,4-dimethyl-	ND	0.062	ND	ND	NS
Benzene, 2-ethenyl-1,4-dimethyl-	ND	0.090	ND	ND	NS
Benzene, 4-ethyl-1,2-dimethyl-	ND	0.11	ND	ND	NS
Benzene, 1,2,4,5-tetramethyl-	ND	0.072	0.033	ND	NS
Butane, 2,2,3,3-tetramethyl-	ND	ND	0.041	ND	NS
Hexane, 3-methyl-	ND	ND	0.031	ND	NS
1H-Indene, 2,3-dihydro-4-methyl-	ND	ND	0.030	ND	NS
Nonane	35	ND	ND	ND	NS
Octane	38	ND	ND	ND	NS
Octane, 4-methyl-	38	ND	ND	ND	NS
Pentane, 2,3,4-trimethyl-	ND	ND	0.037	ND	NS
Pentane, 2,3,3-trimethyl-	ND	ND	0.037	ND	NS
1-Phenyl-1-butene	ND	ND	0.043	ND	NS
<b>Lead</b>	8.4	8.5	9.4	7.1	400

**Volatile Organic Compounds\***

Notes: bg = Below grade; mg/kg = Milligrams per kilogram; ND = Not detected; NT = Not tested; \* = Compounds not listed are not detected

**Table II**  
**Klejna Residence**  
**Flanders, Mount Olive Township, New Jersey**  
**Analytical Results of Groundwater Samples**

MES ID:	GW-7	GW-8	GW-9	GW-10	GW-11	NJDEP Groundwater Quality Criteria for Class IIA Aquifers (µg/L)
Laboratory ID:	450-7100-1	450-7100-2	450-7100-3	450-7100-4	450-7100-5	
Sample Location:	B-7	B-8	B-9	B-10	B-11	
Sample Depth:	3.4' bg	3.3' bg	3.5' bg	3.6' bg	3.4' bg	
Matrix:	Aqueous	Aqueous	Aqueous	Aqueous	Aqueous	
Sample Date:	10/5/12	10/5/12	10/5/12	10/5/12	10/5/12	
Units:	µg/L	µg/L	µg/L	µg/L	µg/L	
2-Butanone (MEK)	11	ND	ND	ND	ND	300
Cyclohexane	53	ND	ND	ND	ND	100
Ethylbenzene	580	5.6	ND	ND	ND	700
Isopropylbenzene	110	ND	ND	ND	ND	700
Methylcyclohexane	<b>140</b>	2.0	ND	ND	ND	100
Naphthalene	<b>490</b>	ND	ND	ND	ND	300
Toluene	14	ND	ND	ND	16	600
Xylenes, Total	<b>1,400</b>	17	4.1	ND	ND	1,000
1,2,4-Trimethylbenzene	<b>650</b>	6.7	ND	ND	ND	100
1,3,5-Trimethylbenzene	<b>380</b>	ND	ND	ND	ND	100
Benzene, 1-ethyl-2-methyl-	ND	6.8	ND	ND	ND	100
Benzene, 1-ethyl-3-methyl-	<b>740</b>	ND	ND	ND	ND	100
Benzene, 1,2,3,5-tetramethyl-	<b>150</b>	ND	ND	ND	ND	100
Benzene, 1,3,5-trimethyl-	<b>230</b>	ND	ND	ND	ND	100
Benzene, 4-ethyl-1,2-dimethyl-	<b>200</b>	ND	ND	ND	ND	100
2,3-Heptadien-5-yne, 2,4-dimethyl-	<b>330</b>	ND	ND	ND	ND	100
N-Propylbenzene	<b>270</b>	ND	ND	ND	ND	100
3-Phenylbut-1-ene	<b>220</b>	ND	ND	ND	ND	100
<b>Total Synthetic Organic Chemicals</b>	<b>3,363</b>	15.5	4.1	ND	ND	500

Notes: bg = Below grade; µg/L = Micrograms per liter; \* = Compounds not listed are not detected; Bold/Highlighted = Results exceed the NJDEP Groundwater Quality Criteria; ND = Not detected; NT = Not tested

**Table III**  
**Klejna Residence**  
**Flanders, Mount Olive Township, New Jersey**  
**Analytical Results of Potable Well Samples**

MES ID:		PW-1	PW-1 <sup>†</sup>	Federal & NJDEP Drinking Water Standards (µg/L)
Laboratory ID:		450-7094-1	450-8011-1	
Matrix:		Aqueous	Aqueous	
Sample Date:		10/5/12	11/28/12	
Units:		µg/L	µg/L	
<b>Volatile Organic Compounds*</b>	Unknown	51 <sup>B</sup>	NT	NS
	Unknown	NT	0.56	NS
	Unknown	NT	0.65	NS
<b>Semi-Volatile Organic Compounds*</b>	Nonadecane, 2-methyl-	NT	0.61	NS
	Unknown	NT	0.66	NS
	Unknown	NT	5.9	NS

Notes: <sup>†</sup> = According to the laboratory, there was error during the bottleware preparation and therefore the October sample was not analyzed for BN<sup>+15</sup>; µg/L = Micrograms per liter; \* = Compounds not listed are not detected; NS = Not specified; <sup>B</sup> = Compound is also detected in trip blank; NT = Not tested