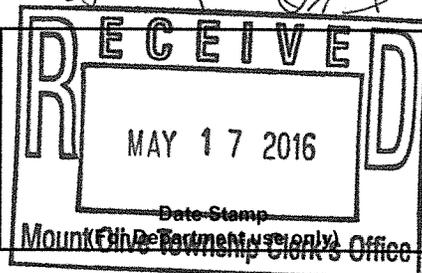


SMITH
JES
REC: BCS
3/15



New Jersey Department of Environmental Protection
Site Remediation Program

RECEPTOR EVALUATION (RE) FORM

SECTION A. SITE

Site Name: BP Gas Station

Program Interest (PI) Number(s): 034006

Case Tracking Number(s) for this submission: 96-09-20-1105-58; 99-12-08-1416-39

This form must be attached to the Cover/Certification Form
if not submitted through the RIR Online Service

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 checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Residences or residential property	<input type="checkbox"/>	<input 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.

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: _____
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? Yes No
Date of most recent or updated well search: _____
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. Yes No
If "No," explain: _____
6. Are any private potable or irrigation wells located within 1/2 mile of the currently known extent of contamination? 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.

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: _____

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 #12
8. Has indoor air sampling been conducted at the identified building(s)? Yes No
 If "No," proceed to #12
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. Date: _____

Or Awaiting laboratory data with the expected due date: _____

**If "Yes" to #10 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 #11 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: 02/25/2015
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 following information for any surface water body on or within 200 feet of the site:

Surface Water Body Name	Stream Classification	Antidegradation Designation	Trout Production	Trout Maintenance
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>

5. Does the site contain any features regulated by the Land Use Regulation Program (LURP)?
(e.g. wetlands, flood hazard area, tidelands, etc.) Yes No
If "Yes," identify the type(s) of features: _____

6. Have any formal LURP jurisdiction letters or approvals been issued for the site? Yes No
If "Yes," what is the LURP Program Interest (PI) number(s) for the site? _____

7. Have any applications for formal LURP jurisdiction letters or approvals been submitted the NJDEP?..... Yes No
If "Yes," what is the LURP Program Interest (PI) number(s) for the site? _____

8. Is free product or residual product located within 100 feet from an ecological receptor?..... Yes No

9. Does available data indicate an impact on Ecological receptor(s), Surface water, or Sediment?..... Yes No
If "Yes,"

a) Check all that apply:
 Ecological receptor(s) Surface water Sediment

b) Submit with this evaluation either a technical document that includes contaminant summary information, or a description of the type of contamination, a schedule, and a description of all actions to be taken to mitigate exposure.

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

ATTACHMENT 1
SENSITIVE POPULATIONS MAP

ATTACHMENT 2
ECOLOGICAL EVALUATION

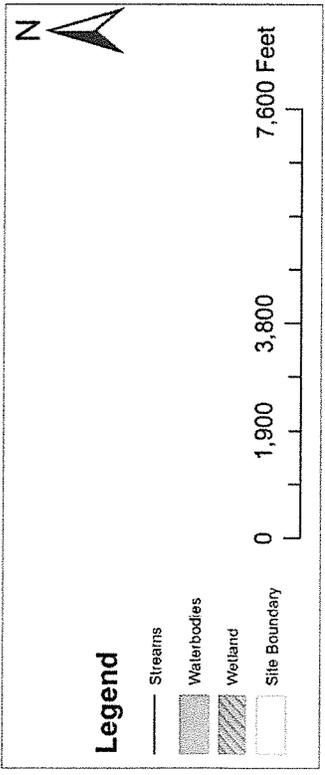


Figure B: Potential Ecological Receptors Adjacent to the Site

BP Gas Station
 113 Route 46
 Budd Lake, Morris County,
 New Jersey 07828
 PI# 034006

Date: 3/1/2016

Project Manager: MS

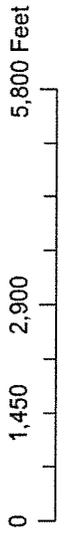
**GEO-ENVIRO CONSULTING
 &
 REMEDIATION, LLC.**



Legend

- Freshwater Mussel Habitat**
- Rank 1 - Special Concern
- Rank 2 - State Threatened
- Rank 3 - State Threatened
- Rank 4 - State Endangered
- Rank 5 - Federal Listed
- Vernal Habitat**
- Potential vernal habitat area
- Vernal habitat area

- Species-Based Habitat - Skylands**
- Rank 1 - Habitat specific requirements
- Rank 2 - Special Concern
- Rank 3 - State Threatened
- Rank 4 - State Endangered
- Rank 5 - Federal Listed
- Site Boundary



**Figure C: Potential Ecological Receptors Adjacent to the Site
(Critical Habitats)**

**BP Gas Station
113 Route 46
Budd Lake, Morris County,
New Jersey 07828
PI# 034006**

Date: 3/1/2016

**Project Manager: MS
GEO-ENVIRO CONSULTING
&
REMEDICATION, LLC.**