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MAY 10 2006

STATE OF ILLINOIS  
Pollution Control Board

May 11, 2006

Illinois Pollution Control Board  
State of Illinois Center  
100 West Randolph, Suite 11-500  
Chicago, IL 60601

PCB06-176

**Subject: 0312615032 – Cook County  
River Forest/Texaco Refining and Marketing  
Site Remediation/Technical Report**

Dear Sir/Madam:

Environmental Solutions, Inc. has been retained by the Village of River Forest as the environmental consultant for the above-referenced property. On behalf of the Village of River Forest, we are submitting this letter to appeal the decision of the Illinois Environmental Protection Agency (IEPA), as conveyed in their letter dated April 7, 2006 to the Village of River Forest. The letter was received by the Village of River Forest on April 11, 2006.

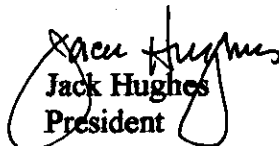
In accordance with Section 40 of the Act (Section 58.7(d)(5) of the Act), the IEPA failed to issue a final determination within the applicable review period and the Village of River Forest has not agreed to a waiver of the deadline. The report entitled *Remedial Objectives Report and Remedial Action Completion Report – Revision 2* (the Reports) were received by the IEPA on October 25, 2005. The IEPA did not issue their final review decision until April 7, 2006, which is 162 days after receipt of the Reports. In accordance with Section 40 of the Act, we are submitting this appeal to contest the decision of the Agency and request that the Reports be deemed as approved.

A copy of the Agency's April 7, 2006 is attached.

Please feel free to contact us should you have any questions regarding this appeal or require any additional information.

Sincerely,

**Environmental Solutions, Inc.**

  
Jack Hughes  
President



## ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

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ROD R. BLAGOJEVICH, GOVERNOR      DOUGLAS P. SCOTT, DIRECTOR

217/785-9399

April 7, 2006

CERTIFIED MAIL

7004 2510 0001 8591 8214

Mr. Charles Biondo  
Village of River Forest  
400 Park Avenue  
River Forest, IL 60305

Refer to:      0312615032 - Cook County  
                 River Forest/Texaco Refining and Marketing  
                 Site Remediation/Technical Report

Dear Mr. Biondo:

The Illinois Environmental Protection Agency (Illinois EPA) has completed review of the September 2004 report titled *Remedial Objectives Report and Remedial Action Completion Report- Revision 2* (the Reports). The Reports, submitted by Environmental Solutions, Inc. on behalf of the Village of River Forest, were received by the Illinois EPA on October 25, 2005 (log no. 05-27003). The Illinois EPA disapproves of the above Reports. Please address the following comments:

1. The list of chemicals that will be covered in the No Further Remediation (NFR) Letter should reflect the analytical analysis performed on the soil and groundwater and addressed in the Remediation Objectives Report. This site can receive a NFR letter that addresses more than benzene, ethylbenzene, toluene, xylene, polynuclear aromatic hydrocarbons and lead, but the laboratory reports must be reviewed and a list provided with the CAS numbers.
2. Section 3.5 R-26 and Groundwater Modeling; This Report does not demonstrate how the benzene exceedance in sample 0104 WW1 is addressed. Equation R-13 is not an individual equation, it is to be used with equations R-12, R-14 and R-15. A hypothetical

groundwater concentration does not have to be calculated if the soil concentration is less than the Tier 2 soil remediation objective. The proposed altered R-13 equation is not acceptable. Any alteration of equations must be explained, and demonstrated. This was not done. The parameter  $C_{(x)}/C_{Source}$  (Steady-State Attenuation Along the Centerline of a dissolved Plume) is one parameter, not two.  $C_{(x)}$ , in the RBCA equations, is not a calculated soil objective.  $C_{source}$  is a groundwater concentration, not a soil concentration.

3. Section 3.6 Institutional Control – Groundwater Ordinance; Requirement 35 Illinois Administrative Code (IAC) 742.805(a)(4) has not been met. The referenced Environmental Data Resources, Inc. (EDR) report was not provided in Appendix B. The EDR reports do not search all of the required data sources for water wells. The following data sources must be consulted and documentation (i.e. letters, phone logs, and etc.) provided. This information shall be collected by the consultant, by contacting all of the following sources: Illinois State Geological Survey; Illinois State Water Survey; Illinois EPA Division of Public Water Supply; Illinois Department of Public Health; County and Municipal Health Departments; and Local water supply entity (i.e., public water districts, public water supply companies).
4. Section 3.6 Institutional Control – Groundwater Ordinance; Requirement 35 IAC 742.805(c) has not been met. Toluene is a contaminant of concern, and is listed as a similar-acting compound with Ethylbenzene.
5. When submitting the required information, a currently certified copy of the groundwater ordinance will be needed.
6. Figure 6; A scaled map delineating the boundaries of all properties under which groundwater is located which exceeds the applicable groundwater remediation objectives is required per 35 IAC 742.1015(b)(3). The properties are not delineated.
7. Tables 5, 6, and 7; Samples CY-3 and 1215W1 contain mistakes. Please correct the tables.
8. Appendix C; Sample letter to the Off-Site Property Owners; The Sample letter provided is for a different site. The sample letter must be for the Texaco Refining & Marketing site, LPC# 031265032. The list of off site owners who will be notified seems incomplete. No addresses have been provided for the east side of Monroe Avenue south of Quick Avenue and north of Lake Street.
9. The distance that the groundwater contamination is modeled from the January 2004 report was 199 meters and the distance modeled in this report is 350 meters, however the groundwater plume maps in the two reports appear very similar in size. Please provide supporting documentation as to the area and distance that the modeled plume covers.

Attached is a draft No Further Remediation Letter, please review the letter for correctness. If the site owner is no longer the Village of River Forest, a revised DRM-1 form must be submitted with the current owner or owners' signatures.

Please provide the Illinois EPA with two copies of any future information submitted regarding the above referenced site. A DRM-2 form and a cover letter must accompany all submittals.

If you have any question please feel free to contact me at the above telephone number or address.

Sincerely,



Jennifer M. Seul, L.P.G.  
Remedial Project Manager  
Voluntary Site Remediation Unit  
Remedial Project Management Section  
Bureau of Land

cc: Jack Hughes  
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