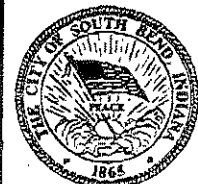


SBI-0/3

f a x t r a n s m i t t a l

**Community & Economic Development  
Division of Redevelopment**



1200 County-City Building, 227 West Jefferson, South Bend, Indiana 46601-1830 ♦ Phone 574/235-9371 ♦ Fax 574/235-9021

**To:** Lance Turley

**No. of Pages:** 3

**From:** Ann Kolata

**Date:** December 20, 2002

**Subject:** Oliver VRP

**Fax No.:** 513-459-9869

Did I ever send this to you? It's the last piece of information that Envirocorp put together for the Oliver VRP workplan.

**ENVIROCORP**

RECEIVED

NOV - 7 2002

October 30, 2002

Ms. Ann Kolata, Senior Redevelopment Specialist  
City of South Bend  
Community & Economic Development  
1200 County-City Building  
South Bend, Indiana 46601-1830

RE: Former Oliver Plow Remediation Work Plan

Dear Ms. Kolata:


Attached to this letter is the documentation you requested that outlines the proposed steps to be taken in the event that groundwater or soil contamination is discovered above Voluntary Remediation Program (VRP) levels at the Former Oliver Plow Site. This document, along with the four copies of the report referenced in the October 11, 2002 letter from the City of South Bend on this matter, should provide the City with all required documents to complete this contract.

Thank you for the opportunity to assist you and the City of South Bend in this matter.

Sincerely,

Envirocorp, Inc.

  
Michael A. Furfaro  
Project Manager

  
Richard T. Brown  
Director of Environmental Projects

MAF-RTB/pjm  
Attachment

cc: Mr. Andy Laurant, City of South Bend

## **Response to Soil or Groundwater Contamination above VRP Commercial Closure Levels**

The intent of this document is to outline the steps that will be taken if the condition stated in the document "Data Quality Objectives, Step 2 - Plan and Conduct a Further Investigation of the Site", is fulfilled. The investigation would commence when the condition stated in Step 5 (C) is met. "If any parameter is found to exceed the Tier II Clean Up Goal (TTCG) by 50% in any of the individual confirmation samples obtained during the confirmation sampling event, or the true mean in any exposure area exceeds the TTCG, then additional investigation of that area will be conducted."

### *Soils*

The investigation of an exposure area found to meet or exceed the above criteria for any chemical of concern (COC) in an individual soil sample or the true mean will follow the same investigative procedure as applied to the confirmation sampling event. The exception to the procedure will be to compress the sample grid data points from a ten foot grid spacing to a two foot grid spacing. The grid will be separated into subgrids, with each subgrid composed of 100 data points. The exact number of samples to be obtained from each subgrid area will be determined using the Chen Test procedure to assess the power of the results, as referenced in the Data Quality Objectives document. The locations of the additional samples will be obtained from a random number table or a random number generation program. The initial sample results will then be assessed using the Chen power procedure, with additional samples obtained until the desired level of confidence in the results is reached.

After the sampling is completed, a decision will be made on the type of remediation required for the COC in the area in question. This will be submitted to the Indiana Department of Environmental Management (IDEM) for review and approval before implementation.

### *Groundwater*

If the groundwater is determined to exceed the Voluntary Remediation Program (VRP) commercial closure levels for any of the COCs in any monitor well, an additional investigation will be conducted. This investigation will depend on the location of the impacted monitor well, but generally will consist of the installation of at least two upgradient monitor wells and three downgradient monitor wells. Soil samples will be obtained from the borings of the monitor wells and assessed for all of the COCs at the site. If the groundwater samples from the new monitor wells indicate the COC is present above the VRP closure levels, additional monitor wells will be installed until the plume has been defined.

After the results of the plume investigation are obtained, a decision will be made on the type of remediation required for the COC. This will be submitted to the IDEM for review and approval before implementation.