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OU1 REMEDIAL INVESTIGATION REPORT

Four County Landfill
Fulton County, Indiana

VOLUME 2
APPENDIX A THROUGH J

Prepared for:
The Four County Landfill Group

JUNE 1997
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CONESTOGA-ROVERS & ASSOCIATES

APPENDIX A

IDEM OU1 CORRESPONDENCE

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February 10, 1995

Reference No. 5369-99

Ms. Holly Grejda
Project Manager
Indiana Department of Environmental Management
100 North Senate Avenue
Room N-1255
Indianapolis, Indiana 46204

VIA TELFACSIMILE
AND
FEDERAL EXPRESS COURIER

Dear Ms. Grejda:

Re: OU Briefing Memorandum
Four County Landfill Site
Fulton County, Indiana

Under cover of this letter, we have transmitted the revised OU briefing memorandum. The narrative provided by this memorandum has been augmented pursuant to our discussions during the January 26, 1995 meeting between representatives of IDEM and the Four County Landfill Technical Committee.

It is our understanding that IDEM was receptive to the initial discussions pertaining to dividing the above-referenced Site into two operable units; namely, Landfill Cap (OU-1) and Groundwater (OU-2) operable units. Further clarification regarding the implementation of the "operable units" scenario including a comprehensive project schedule are provided in the revised briefing memorandum. As discussed, the primary benefit derived from this approach is to allow closure of the landfill to proceed on an expedited basis.

Please contact us with any questions or comments regarding this matter.

Yours truly,

CONESTOGA-ROVERS & ASSOCIATES

Steven J. Wanner

Steven J. Wanner

Encl.

SJW/ko/111

cc: Technical Committee
B. Clegg
D. Gage

CRA
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MEMO

TO: Ms. Holly Grejda, IDEM

REFERENCE NO: 5369-80

FROM: Four County Landfill Technical Committee

DATE: February 10, 1995

RE: Operable Unit Approach
Four County Landfill Site
Fulton County, Indiana

Pursuant to your request, we have developed this memorandum to provide background information on the operable unit (OU) concept as considered by CERCLA and comment on its applicability (and substantial benefits) at this Site. This memorandum discusses the compatibility of the OU approach with the EPA's National Oil and Hazardous Substances Pollution Contingency Plan (NCP) and the potential divisibility of the Four County Landfill into separate operable units. Further details are provided by the following.

1) Background

As you likely know, the NCP has embraced the use of OU's in order to divide a complex array of problems or physically diverse problems into manageable (hence operable) units. Specifically, 40 CFR 300.5 states that an operable unit "means a discrete action that comprises an incremental step toward comprehensively addressing site problems. This discrete portion of a remedial response manages migration, or eliminates or mitigates a release, threat of a release, or pathway of exposure. The cleanup of a site can be divided into a number of operable units, depending on the

complexity of the problems associated with the site. Operable units may address geographical portions of a site, specific site problems, or initial phases of an action, or may consist of any set of actions performed over time or any actions that are concurrent but located in different parts of a site."

Of particular relevance at this Site is the ability to separate the "Source" (landfill) into one or more OU's with concomitant implementation of a final source-area remedy on a faster time schedule than may otherwise be possible if the Site were considered as a whole. Indeed, 40 CFR 300.430(a)(ii)(A) states that "Sites should generally be remediated in operable units when early actions are necessary or appropriate to achieve significant risk reduction quickly, when phased analysis and response is necessary or appropriate given the size or complexity of the site, or to **expedite the completion of total site cleanup** [emphasis added]."

A remedial action(s) for exposure pathways outside the source (e.g., groundwater) may be considered under a separate OU, distinct from the source-area remedy. We believe abundant precedent exists for this approach and by way of example, the Yellow Water Road (NPL) Site, Baldwin, Florida had a source (OU1) control ROD issued in 1990 while a ROD to address groundwater (OU2) concerns was issued in 1992.

2) **Divisibility of the Four County Site Into Operable Units**

The most obvious separation of remedies at this Site is between the landfill and groundwater. Some of the various reasons that lead to a separation between landfill and groundwater remedies are:

- The landfill is geographically distinct from a groundwater contaminant plume that is potentially advancing beyond the boundaries of the Site.

- Source-area remedies are generally recognized as separate and distinct from the surrounding media.

- Remedial technologies that are applicable to the source and groundwater are, for the most part, different.

- The majority of available Site data is representative of the source-area. Thus, data needs for selecting/evaluating source-area remedies have already been satisfied.

3) <u>Potential Benefits of an OU Approach</u>

The various benefits that can be ascribed to dividing the Site into individual operable units are many. These elements <u>inter alia</u> are summarized as follows:

- **Expedite Closure of the Landfill**

  The primary benefit derived from dividing the Site into individual operable units is that the approach allows flexibility for landfill closure to proceed on an accelerated timetable. This would be accomplished by allowing the groundwater investigation, which may require several phases to complete, to proceed on a separate schedule from landfill cap remedial actions. Therefore, the final landfill cap remedy would not be

delayed by a protracted groundwater investigation. Another significant benefit is that the public witnesses "real progress" toward Site closure thus demonstrating that the Superfund process can work effectively and efficiently.

- **Leachate Minimization**

  The minimization of leachate generation (current maximum monthly generation rate approximately 50,000 gallons) through surface water control measures and construction of a low-permeability cap will lead to an almost immediate and substantial reduction in leachate production. Since the lined-cell leachate has been characterized as a listed (F039) waste, the reduction in a hazardous waste stream will be significant over a relatively short time frame following remedy implementation.

- **Elimination of Enhanced/Preferential Vertical Migration Pathways**

  Monitoring wells and piezometers currently located in areas that will be capped will require removal to accommodate cap construction. This action will also eliminate a potential vertical migration pathway between distinct stratigraphic units.

- **Public Acceptance**

  The public's reaction to implementation of a cap remedy on an expedited time frame is likely to be favorable. It is believed that the public is opposed to waste removal (as evidenced by the level of concern expressed prior to implementation of monitoring well abandonment activities) and; therefore, is leaning towards containment. Moreover, since the OU approach would result in a final

remedial action sooner, it is anticipated that the public would be supportive of this approach.

4) <u>Application of OUs at Four County</u>

As noted previously, the most obvious separation of remedies at this Site is between the landfill and groundwater whereby the timetable for selection of the landfill cap (or Operable Unit No. 1) remedy need not be slowed by the additional data needs required for selection of a groundwater (or Operable Unit No. 2) remedy. To this end, the OU1 remedy would be selected based on the substantial existing database while the additional data needs required to select an OU2 (groundwater) remedy would be satisfied under a separate but accelerated time schedule.

The components of the OU1 remedy would include a landfill cap; leachate collection and treatment; landfill gas handling (to the extent necessary); and institutional controls.

5) <u>General Comments</u>

General comments on the OU approach at this Site are summarized as follows:

1. On the basis of the foregoing discussion, it is apparent that the benefits of implementing a cap remedy under a separate OU are significant. A substantial reduction in hazardous waste leachate volume requiring storage, handling and disposal will be an immediate benefit.

2. The sequence of events and possible schedule for pursuing a cap remedy (as a separate operable unit) may be as noted in the following. Dates noted herein represent the Committee's experience at other Sites.

• Meet with IDEM to discuss the concept and approach	January 1995
• Submit OU1 Landfill Cap RI report	April 1995
• Submit OU1 Landfill Cap Focused FS	June 1995
• Receive IDEM/USEPA Review Comments	July/August 1995
• Proposed Remedy Selection and Public Announcement	October 1995
• Public Comment Period	November 1995
• Finalization of ROD	January 1996
• Consent Decree Negotiations	February/March/ April/1996
• Consent Decree Lodging	May 1996
• Remedial Design	July 1996
• Receive IDEM/USEPA Review comments	August/September 1996
• Initiate Remedial Action (RA)	October 1996

3. Some uncertainty still exists on the length of time required to adequately characterize the nature and extent of Site groundwater issues. In the event an off-Site plume is relatively contained to an area in close proximity to the Site boundary, consideration of a groundwater remedy may run concurrent with the landfill cap remedy; otherwise, consideration of the groundwater remedy may require substantially more time than the OU1 remedy. Nevertheless,

it is unlikely that construction of the landfill cap will interfere with the selection of a groundwater remedy.

As you know, the Four County Landfill Group wishes to continue advancing towards total Site closure on the most aggressive schedule possible and appreciates IDEM's assistance in maintaining this approach.

BCC/ko/27

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
We make Indiana a cleaner, healthier place to live

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RECEIVED
AUG 18 1995

August 16, 1995

Jeffrey C. Fort
Sonnenschein, Nath & Rosenthal
8000 Sears Tower
Chicago, Illinois 60606-6404

Re: Four County Landfill Site
Fulton County, Indiana

Dear Mr. Fort:

Thank you for your letter of June 28, 1995. I am pleased that we were able to amicably discuss these issues and arrive at a reasonable solution. The Group's offer to approach the county regarding institutional controls was appreciated, in particular. IDEM staff have reviewed the points which were discussed at the June 15, 1995 meeting and agree that your letter properly states the agreements reached. There are a few points which we want to make very clear, however. First of all, the well abandonment issue is not tied in any way to IDEM's approval of the operational unit approach. The Project Managers should continue their discussions regarding this issue and, hopefully, arrive at a resolution which is acceptable to all parties.

Secondly, I have attached a memo which Ms. Grejda drafted in response to Mr. Clegg's memo attached to your letter. Ms. Grejda addresses each point raised by Mr. Clegg in an effort to clarify IDEM's position on each of these points.

It is the agency's understanding that each of the following components will be included in Operational Unit One. These components are: (1) landfill cap; (2) leachate collection and treatment from both lined and unlined cells; (3) landfill gas collection and

treatment; (4) institutional controls to supplement engineering controls; and, (5) source area groundwater control and treatment.

If this is not your understanding regarding the elements of OU 1, please contact me immediately. If I do not hear from you within fourteen (14) days of receipt of this letter, I will assume that this is the case. In that event, you may consider this letter to constitute formal approval of the operational unit approach.

Thank you for your cooperation in this matter.

Very truly yours,

Catherine Gibbs
Office of Legal Counsel

Enclosure

cc: Holly Grejda
Steven Wanner

State Form 4336

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

INDIANAPOLIS

OFFICE MEMORANDUM

Date: July 30, 1995

To: Catherine Gibbs
Attorney, OLC

Thru: Pat Carrasquero, Chief

From: Holly Grejda
Superfund Section

Subject: Technical Review of Memorandum from the PRP Group; Four County Landfill State Cleanup Site, Delong, Fulton County, Indiana

Per your request, staff of the Office of Environmental Response have reviewed a memorandum from Mr. Bruce Clegg, Conestoga Rovers and Associates, to Mr. Jeffrey Fort, Sonnenschein Nath & Rosenthal, dated June 12, 1995. The memorandum provided by the PRP group was intended to address potential technical issues raised by IDEM's May 31, 1995 letter discussing a removal action at the Four County Landfill State Cleanup site, in the town of Delong, Fulton County, Indiana. Through our review, staff have evaluated the eight bullet items which outline the PRP group's specific comments with respect to the need for a removal action. The proceeding is a brief discussion of each bullet items. To facilitate your review, I have placed the PRP group's bullet items in italics.

BULLET ITEM ONE: *There appears to be no established nexus between the "groundwater samples collected from piezometers screened within Unit A, near the western [emphasis added] boundary of the Site" discussed by Conestoga-Rovers & Associates' (CRA's) February 24, 1995 letter and off-Site residential wells. Monitoring points screened in stratigraphic Unit A generally occur at 10-20 feet below ground surface (bgs) while construction logs available for the Kings Lake Baptist Church well indicate that this well is screened at more than 75 feet bgs. The Kings Lake Baptist Church well; therefore, is likely completed in essentially the same stratigraphic unit described as Unit B or C for this Site. As you know, the Phase I RI showed that most monitoring wells screened in Units B and C upgradient of the Kings Lake Baptist Church but located at the northern Site boundary, have no detectable VOCs.*

The reference to the low level detections of 1,2 DCA in the King's Lake Baptist Church well was intended to note that there have been historical detections of volatile organic compounds off-site. Furthermore, the discussion of King's Lake Baptist Church well was not meant to imply that the church well is contaminated from on-site contamination within Unit A.

BULLET ITEM TWO: *Until the groundwater contaminant boundaries are fully defined (both vertically and horizontally) and migration pathways elucidated, it would be premature at best, and detrimental (through spreading of contamination to previously unimpaired areas) at worst, to consider groundwater extraction at this point. The optimal (and least harmful) placement of extraction points requires a full understanding of existing conditions.*

First and foremost, IDEM did not state that the removal action is characterized as an emergency response action or a time critical removal. IDEM is unclear as to how contamination would be spread to previously unimpaired areas if the water bearing intervals within Unit A are discontinuous perched zones, as CRA has previously stated. In addition, it would seem likely that a removal action conducted at Four County Landfill would be localized to "hot spots" indicated from the previous sampling round.

BULLET ITEM THREE: *A landfill removal action that does not contemplate containment is not fully consistent with Section 300.430(a)(iii)(B), of the NCP or EPA's Office of Solid Waste publication EPA 540-F-93-035, September 1993.*

Section 300.430(a)(iii)(B) of the NCP discusses the use of containment where the waste poses a relatively low long term threat or where treatment is impracticable. However, Section 300.430(a)(iii)(A) of the NCP states, "EPA expects to use treatment to address the principal threats posed by a site, wherever practicable. Principal threats for which treatment is most likely to be appropriate include liquids, areas contaminated with high concentrations of toxic compounds, and highly mobile materials." In addition Section 300.430(a)(iii)(C) of the NCP discusses the use of a combination of appropriate methods to achieve protection of human health and the environment. Therefore, a landfill removal action to remove highly contaminated groundwater is consistent with the NCP as this is an interim measure.

BULLET ITEM FOUR: *Since IDEM did not raise the issue of DCA at the King's Lake Baptist Church well over six years ago and since DCA hasn't been observed since 1992, it is unclear as to why a time-critical or a non-time critical removal action is now appropriate, approximately three years after DCA was last reported.*

Again, the reference to the low level detections of 1,2 DCA in the King's Lake Baptist Church well was intended to note that there have been historic detections of volatile organic compounds off-Site.

BULLET ITEM FIVE: *The Superfund Accelerated Clean-up Model (SACM) supports "using remedial authority...[as] most appropriate for sites requiring complex source control or surface or groundwater remediation".[1] ([1] Office of Solid Waste and Emergency Response, Publ. 9203.1-051, December 1992)*

The Superfund Accelerated Cleanup Model (SACM) envisions a streamlined and more efficient program that focuses on rapid risk reduction to human health and the environment through integration of program elements (ie. removal and remedial).[2]
([2] SACM, Region V Process, Vol. 1, No. 1, Office of Superfund, September 1993)

BULLET ITEM SIX: *The USEPA's Guidance on Removal Action Levels at Contaminated Drinking Water Sites, set action levels for a "point of use" comparison. None of USEPA's action levels or SDWA MCLs have been exceeded at residential wells around the Site.*

The discussion of the USEPA's Guidance on Removal Action Levels at Contaminated Drinking Water Sites within IDEM's letter was to show that the on-site levels of contaminants within Unit A are significantly higher than the removal action levels and if these contaminants are allowed to migrate off-site they may cause exceedances of these levels at point of use receptors. As there are no institutional controls on the surrounding properties, IDEM is concerned with new sitings of residences near the Four County Landfill site which will use the area groundwater for their sole source of drinking water.

BULLET ITEM SEVEN: *Any unnecessary perturbation of in-situ conditions (i.e. through pumping) would possibly lead to an irreversible change in Site character thereby exacerbating the ongoing remedial investigation.*

As previously discussed, CRA has stated that the Unit A water bearing intervals are discontinuous perched zones, therefore, a localized removal action within Unit A should not lead to an irreversible change in site character.

BULLET ITEM EIGHT: *A removal action that eliminates any preferential migration pathway between Unit A and lower stratigraphic units would help to alleviate that threat of off-Site groundwater contamination.*

A removal action which removed highly elevated concentrations of groundwater would help alleviate the threat of off-Site groundwater contamination.

I hope the aforementioned discussions will help in your evaluation and response to a letter from Mr. Jeffrey Fort to you dated June 28, 1995. If you need additional assistance or clarification, please feel free to contact me directly.

APPENDIX B

LINED CELL CONSTRUCTION INFORMATION

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B.1.0 INTRODUCTION

In the fall of 1985, Environmental Waste Control, Inc. (EWC) began construction of synthetically lined disposal cells in the southeast quadrant of the Site as shown in Figure B.1. These cells were double lined - containing one primary high density polyethylene (HDPE) synthetic liner and one secondary HDPE synthetic liner. Each cell also contains a primary and secondary leachate collection and detection system.

B.2.0 CELL HISTORY

Cell A was the first of the double lined cells constructed. Construction began in the fall of 1985 and was completed in August of 1986. Estimates on the size of the cell range from 2.9 acres (Regional Services Corporation (RSC), April 13, 1989) to 3.4 acres (Environmental Resources Management - North Central, Inc. (ERM), August 26, 1992). Waste was deposited in Cell A-North from August 18, 1986 to February 1987 and in Cell A-South from March 1987 to August 1987 (ERM, August 26, 1992). Through April 1987, only a single lift of waste/soil was in Cell A. A large portion of this waste consisted of previously deposited material excavated from the area where Cell B would eventually be constructed. Through May 1987, greater than 60% of the waste in Cell A was non-hazardous (EWC, June 1987). The cell is now filled to capacity (WW Engineering & Science, 1990).

Cell B was constructed from Fall 1986 to September 1987 and accepted waste from September 1987 to September 1988 (ERM, August 26, 1992). The cell is approximately 1.9 acres (RSC, April 13, 1989), and it is currently nearly filled to capacity (WW Engineering & Science, 1990).

Cell C was the final double lined cell constructed. Construction of Cell C began in the fall of 1987 and was constructed in an area previously landfilled. The existing wastes were probably excavated and replaced in the double lined cells (ERM, August 26, 1992). Cell C was completed in October of 1988 and covered an area of approximately 3.0 acres (RSC, April 13, 1989). Waste was deposited into the cell from October 1988 to March 1989 (ERM, August 26, 1992). Cell C has an unused capacity of approximately 100,000 cubic yards (WW Engineering & Science, 1990)

All three lined cells received waste by the "area" method (Jacobs, 1988). This method consists of placing the waste in 3 ft to 5 ft lifts and covering the waste as it is "built out" into the cell.

Following is a description of the double liner system used in Cell A, B, and C.

B.3.0 DOUBLE LINER SYSTEM

Construction specifications for the double liner system are presented in EWC's "RCRA Part B Permit Application" dated June 30, 1987 and "Comments and Supplemental Information for the RCRA Part B Permit Application" dated January 18, 1988. A cross-section of the typical double liner system is presented in Figure B.2.

All of the cells have a soil foundation consisting of natural glacial till. Grain size distribution curves, Atterberg limits, and Proctor test results of this material were obtained from numerous borings conducted for initial site design. This data is contained in Appendices VI and IX of EWC's June 1987 RCRA Part B Permit Application. Four samples were also taken from the base of Cell B during excavation. The results of the Standard Proctor for all four samples and the unconfined compression strength for two of the samples are presented in Table B.1.

The upper 6" of the foundation glacial till was reworked and recompacted to 95% Standard Proctor Density (ASTM D 698) to form the subgrade. The soil liner (See Figure B.2) consists of reworked soil removed from the base of the cell excavation or from stockpiles and was designed to meet the Minimum Technology Requirements of RCRA's Hazardous and Solid Waste Amendments of 1984 (HSWA-MTR). The material was compacted to 95% Standard Proctor Density (ASTM D 698) to achieve the required a maximum hydraulic conductivity of $1x10^{-7}$ cm/sec. Three soil samples were obtained for each cell and analyzed for grain size, Atterberg limits, and Standard Proctor maximum dry density and optimum moisture. The test results from Cell B construction are compiled in Table B.2. Hydraulic conductivity testing of Shelby Tube samples of the in-place soil was performed for the Site in 1978 and 1979 by Michigan Testing Engineers and in 1986 for Cell A. This data is summarized in Table B.3. Additional transmissivity data was also developed in 1987 by Dames & Moore of Madison, Wisconsin in their 1987 hydrogeological report (Dames & Moore, 1987). Also, two test fills were constructed of the Cell A Borrow material in April 1987 to confirm that the material would meet the HSWA-MTR guidance of $1x10^{-7}$ cm/sec. Water was used in the test for the first eight and one-half days, and leachate from Cell A was used during the remaining five

weeks of the test. Leachate characterization from a sample of leachate collected on April 22, 1987 is summarized in Table B.4. The conductivity obtained from the test was equivalent to $8x10^{-9}$ cm/sec; therefore, met the $1x10^{-7}$ cm/sec transmissivity requirement.

An 80 mil HDPE secondary liner was placed directly on the underlying composite soil layer (See Figure B.2). The synthetic liner for the cells was designed by Regional Services Corporation (RSC) of Columbus, Indiana to comply with National Sanitation Foundation Standard #54 specifications. SCHLEGEL® Sheet as manufactured by Schlegel Lining Technologies of Houston, Texas was installed as the secondary liner in Cell A, and GUNDLINE® HD as manufactured by Gundle Environmental Services of Houston, Texas was installed as the secondary liner for Cell B and Cell C. Typical properties for SCHLEGEL® Sheet are presented in Table B.5, and typical properties of GUNDLINE® HD are presented in Table B.6. National Sanitation Standard #54 specification requirements are summarized in Table B.7. Since no leachate was available for compatibility testing prior to Fall 1986, a composite waste sample was produced from which Schlegel obtained a leachate for compatibility. Compatibility testing was performed according to *Test Methods for Evaluating Solid Wastes, Physical/Chemical Method,* SW-846 3rd Edition 1986, Method 9090. The lab report of this test stated that the material "should perform well with good compatibility" (EWC, RCRA Part B Permit Application, June 1987). Results of this test are included in Appendix IX of EWC's June 1987 RCRA Part B Permit Application. Additional compatibility testing (performed according to *Test Methods for Evaluating Solid Wastes, Physical/Chemical Method,* SW-846 3rd Edition 1986, Method 9090) of SCHLEGEL® Sheet and GUNDLINE® HD was performed by Precision Laboratories of Garden Grove, California in April 1987. The results are contained in EWC's Comments and Supplemental Information for the RCRA Part B Permit Application.

Placed directly on top of the HDPE secondary liner is a HDPE drainage netting (See Figure B.2). The purpose of the HDPE drainage netting is to conduct leachate to the piping and sumps with a minimum transmissivity of $3x10^{-5}$ m^2/sec under maximum design load. Tensar NS1100 as manufactured by The Tensar Corporation of Morrow, Georgia was specified for the material with Gundle XL-4 as manufactured by Gundle as an

alternative. Specifications for the Tensar drainage net are presented in Table B.8, and specifications for Gundle XL-4 are summarized in Table B.9. Compatibility testing (performed according to *Test Methods for Evaluating Solid Wastes, Physical/Chemical Method*, SW-846 3rd Edition 1986, Method 9090) of Tensar NS1100 and Gundle XL-4 was performed by Precision Laboratories and results are contained in EWC's Comments and Supplemental Information for the RCRA Part B Permit Application. Transmissivity results for Gundle XL-4 are illustrated in Figures IX-4 and IX-5 of EWC's June 1987 RCRA Part B Permit Application. These results meet the HSWA-MTR guidance for transmissivity. Table B.10, taken from Tensar Technical Notes, March 1986, contains the transmissivity results of a Tensar drainage netting similar to Tensar NS1100 (Tensar NS1100 was a new product and no transmissivity data was available at that time). Samples of both drainage nets, geotextile, liner material, and protective sand were submitted to Precision Laboratories to confirm the manufacturer's transmissivity data. Tests were performed for both primary and secondary drainage system modeling. Creep characteristics of HDPE were investigated by Slocumb, Demeny, and Christopher in 1986. A copy of their paper is included in Appendix IX of EWC's June 1987 RCRA Part B Permit Application. Their findings indicate that compressive creep is rather minor.

An 80 mil HDPE primary liner was placed on top of the underlying drainage netting (See Figure B.2). The synthetic liner for the cells was designed by RSC to comply with National Sanitation Foundation Standard #54 specifications. SCHLEGEL® Sheet as manufactured by Schlegel was installed as the primary liner in Cell A, and GUNDLINE® HD as manufactured by Gundle was installed as the primary liner for Cell B and Cell C. Typical properties for SCHLEGEL® Sheet are presented in Table B.5, and typical properties of GUNDLINE® HD are presented in Table B.6. National Sanitation Standard #54 specification requirements are summarized in Table B.7. Since no leachate was available for compatibility testing prior to Fall 1986, a composite waste sample was produced from which Schlegel obtained a leachate for compatibility testing according to *Test Methods for Evaluating Solid Wastes, Physical/Chemical Method*, SW-846 3rd Edition 1986, Method 9090. The lab report of this test stated that the material "should perform well with good compatibility" (EWC, RCRA Part B Permit Application, June 1987). Results of this test are included in Appendix IX of EWC's June 1987 RCRA

Part B Permit Application. Additional compatibility testing was performed according to *Test Methods for Evaluating Solid Wastes, Physical/Chemical Method*, SW-846 3rd Edition 1986, Method 9090) on SCHLEGEL® Sheet and GUNDLINE® HD by Precision Laboratories in April 1987. The results are contained in EWC's Comments and Supplemental Information for the RCRA Part B Permit Application.

Placed directly on top of the HDPE primary liner is another HDPE drainage netting (See Figure B.2). The purpose of the HDPE drainage netting is to conduct leachate to the piping and sumps with a minimum transmissivity of $3x10^{-5}$ m^2/sec under maximum design load. Tensar NS1100 as manufactured by The Tensar Corporation of Morrow, Georgia was specified for the material with Gundle XL-4 as manufactured by Gundle as an alternative. Specifications for the Tensar drainage net are contained in Table B.8, and specifications for Gundle XL-4 are summarized in Table B.9. Compatibility testing of Tensar NS1100 and Gundle XL-4 was performed by Precision Laboratories according to *Test Methods for Evaluating Solid Wastes, Physical/Chemical Method*, SW-846 3rd Edition 1986, Method 9090 and results are contained in EWC's Comments and Supplemental Information for the RCRA Part B Permit Application. Transmissivity results for Gundle XL-4 are illustrated in Figures IX-4 and IX-5 of EWC's June 1987 RCRA Part B Permit Application. These results meet the HSWA-MTR guidance for transmissivity. Table B.10, taken from Tensar Technical Notes, March 1986, contains the transmissivity results of a Tensar drainage netting similar to Tensar NS1100 (Tensar NS1100 was a new product and no transmissivity data was available at that time). Samples of both drainage nets, geotextile, liner material, and protective sand were submitted to Precision Laboratories to confirm the manufacturer's transmissivity data. Tests were performed for both primary and secondary drainage system modeling. Creep characteristics of HDPE were investigated by Slocumb, Demeny, and Christopher in 1986. A copy of their paper is included in Appendix IX of EWC's June 1987 RCRA Part B Permit Application. Their findings indicate that compressive creep is rather minor.

Above the primary drainage netting is a 16 oz/yd^2 polyester geotextile (See Figure B.2). The specified geotextile was Trevira® Spunbound 7155 as manufactured by Hoechst Fibers Industries of

Spartenburg, South Carolina. Specifications for this material are presented in Table B.11. Precision Laboratories performed compatibility testing on this material with leachate from Cell A. The results are presented in EWC's Comments and Supplemental Information for the RCRA Part B Permit Application. Precision Laboratories also measured the effect of this geotextile on the transmissivity of the primary system drainage netting. This layer also acts as a filter between the sand and soil above it and the drainage netting below it. Design criteria for filtration was obtained from Koerner, *Designing With Geosynthetics*, 1986. Grain size curves from the sand that will cover the geotextile are depicted in Figures IX-6 and IX-7 of EWC's June 1987 RCRA Part B Permit Application. Since the fine sand layer was not be used on the slopes of the cells, the protective soil was placed directly on the geotextile. Grain size distributions for the soils tested for Cell B were used for the design. The geotextile was found to provide adequate filtration for both the sand and the soil.

A minimum of 6" of fine sand was placed on the geotextile for liner protection and to prevent soil entry into the system.

18" of soil was placed upon the sand for protection.

The leachate production records for Cells A-North, A-South, B, and C were reviewed in an internal memorandum dated January 24, 1990 from Mr. Stephan Pekera of the IDEM Engineering Section to Dennis Zawodni of the IDEM Enforcement Section (Pekera, January 24, 1990). Based on this review of graphical data, visual observations, and laboratory analysis of the leachate, IDEM concluded that leaks were present in all of the primary liner systems within the engineered cells. This information suggested the presence of a breach in the primary HDPE synthetic liner that allowed leachate to infiltrate into the secondary leachate detection system.

B.4.0 LEACHATE COLLECTION AND DETECTION SYSTEM

Each cell has a primary and a secondary leachate collection and detection system. The upper HDPE drainage netting is part of the primary leachate collection and detection system, and the HDPE drainage netting located between the HDPE synthetic liners is part of the secondary system. Both systems operate by the HDPE drainage netting transferring leachate to HDPE slotted 4-inch diameter piping. The 4-inch diameter piping then directs leachate to 36-inch diameter HDPE sumps.

The base of the cells is sloped transversely at 2 percent towards the 4" diameter pipe to allow the leachate flow through the drainage netting to the pipe. The 4" diameter pipe is on a 1 percent grade to the sumps. In the primary system, the 4" diameter pipe is extended vertically at the upstream end to provide access for cleaning and flushing, ventilation, and in inspection point for head on the liner. Leachate and liquids are removed from the systems by electric sump pumps with float switches. These automatically pump the fluids to the cell surface into collection tanks. Construction specifications for the leachate collection and detection system are presented in EWC's "RCRA Part B Permit Application" dated June 30, 1987 and "Comments and Supplemental Information for the RCRA Part B Permit Application" dated January 18, 1988.

The leachate collection and detection system was designed using default data for the HELP model for Indianapolis, Indiana. Indianapolis contained the only weather station in Indiana in the default data bank of HELP. Table B.12 contains the monthly rainfall, runoff, evaporation, and percolation through the 6" soil cover of the waste.

The HDPE drainage netting conveys water to the 4" piping with a minimum transmissivity requirement of $3x10^{-5}$ m^2/sec under maximum design load. Tensar NS1100 as manufactured by The Tensar Corporation was specified for the material with Gundle XL-4 as manufactured by Gundle as an alternative. Specifications for the Tensar drainage net are contained in Table B.8, and specifications for Gundle XL-4 are summarized in Table B.9. Compatibility testing of Tensar NS1100 and Gundle XL-4 was performed by Precision Laboratories Compatibility according to *Test Methods*

for Evaluating Solid Wastes, Physical/Chemical Method, SW-846 3rd Edition 1986, Method 9090 and results are contained in EWC's Comments and Supplemental Information for the RCRA Part B Permit Application. Transmissivity results for Gundle XL-4 are illustrated in Figures IX-4 and IX-5 of EWC's June 1987 RCRA Part B Permit Application. These results meet the HSWA-MTR guidance for transmissivity. Table B.10, taken from Tensar Technical Notes, March 1986, contains the transmissivity results of a Tensar drainage netting similar to Tensar NS1100 (Tensar NS1100 was a new product and no transmissivity data was available at that time). Samples of both drainage nets, geotextile, liner material, and protective sand were submitted to Precision Laboratories to confirm the manufacturer's transmissivity data. Tests were performed for both primary and secondary drainage system modeling. Creep characteristics of HDPE were investigated by Slocumb, Demeny, and Christopher in 1986. A copy of their paper is included in Appendix IX of EWC's June 1987 RCRA Part B Permit Application. Their findings indicate that compressive creep is rather minor.

Four inch diameter, slotted HDPE piping was placed in the base of the cells for rapid leachate collection and venting of the primary system. The specified pipe was Phillips Driscopipe 8600 SDR 15.5. It contains one-eighth inch by two inch slots placed every foot of length. Precision Laboratories tested the piping for according to Test Methods for Evaluating Solid Wastes, Physical/Chemical Method, SW-846 3rd Edition 1986, Method 9090 and the results are contained in EWC's Comments and Supplemental Information for the RCRA Part B Permit Application. The pipe is underlain by geotextile to provide additional puncture protection, and a fine pea gravel is hand placed around the pipe and on top of the geotextile. The pea gravel was to be compacted with a vibratory plate compactor. Grain size analysis results of the pea gravel are contained in Figure IX-8 of EWC's June 1987 RCRA Part B Permit Application.

The 36" diameter vertical riser pipe specified was Phillips Driscopipe 8600 SDR 32.5. A diameter of 36 inches was selected to allow access into the pipe, and the Phillips SDR 32.5 was chosen because it had the thickest walls manufactured in that size. This pipe was designed using Phillips "Driscopipe Systems Design" manual, 1981 Edition, with the assumption that the pipe was uniformly surrounded by soil/waste.

REFERENCES

Dames & Moore, "Hydreogeologic Assessment Report", June 17, 1987

Environmental Resources Management - North Central, Inc., "Site Background Summary and Detailed Scope of Work", August 26, 1992.

Environmental Waste Control, Inc., "RCRA Part B Application", June 30, 1987.

Environmental Waste Control, Inc., "Comments and Supplemental Information for the RCRA Part B Permit Application", January 18, 1988.

Jacobs Engineering Group, Inc., "Comprehensive Monitoring Evaluation", January 27, 1988.

Stephen Pekera, IDEM Engineering Section, "Four County Landfill Analysis of Primary Liner Condition for Cells A-North, A-South, B, C", January 24, 1990.

Regional Service Corporation, "Closure and Post-Closure Plans", April 13, 1989.

WW Engineering & Science, "RFI of Corrective Actions - CAP Task VI (Parts A, B, and C)," January 31, 1990.

TABLES

TABLE B.1

CELL B SOIL SAMPLES
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

Sample No.	*Grid Location*	*Elevation*	*USCS Classification*	*Plasticity Index*	*% Gravel*	*% Sand*	*% Silt & Clay*	*Dry Density*
S-1	500N/850E	758.8	Gray clayey silt	3	0	20	80	125.2 pcf
S-2	500N/725E	771.7	Brown silty clay	8	0	19	81	122.1 pcf
S-3	365N/800E	772.0	Brown silty clay	7	0	19	81	119.1 pcf
S-4	500N/750E	760.0	Brown clayey silt	1	0	36	64	133.4 pcf

Sample No.	*Standard Proctor Max. Dry Density*	*Standard Proctor Opt. Moisture*	*Unconfined Compressive Strength*
S-1	123.2 pcf	11.8%	12,690 psf
S-2	117.4 pcf	14.2%	5,250 psf
S-3	118.6 pcf	13.2%	-
S-4	124.2 pcf	11.6%	-

* Recreated from Table IX-1 of EWC, "RCRA Part B Permit Application," January 30, 1987

TABLE B.2

CELL B SOIL SAMPLES
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

Sample No.	*USCS Classification*	*Liquid Limit*	*Plastic Limit*	*Standard Proctor Max. Dry Density*	*Standard Proctor Opt. Moisture*
S-1	Gray clayey silt	19	16	123.2 pcf	11.8%
S-2	Brown silty clay	26	18	117.4 pcf	14.2%
S-3	Brown silty clay	25	18	118.6 pcf	13.2%
S-4	Brown clayey silt	16	15	124.2 pcf	11.6%
A Borrow	Brown silty clay	20	13	122.9 pcf	10.9%
A Borrow	Brown silty clay	23	15	118.2 pcf	13.5%

Note: A Borrow samples were obtained from soil stockpile from Cell A construction

* Recreated from Table IX-2 of EWC, "RCRA Part B Permit Application," January 30, 1987

TABLE B.3

HYDRAULIC CONDUCTIVITY TEST RESULTS
SHELBY TUBE SAMPLES
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

Boring #	*Depth (ft)*	*Hydraulic Conductivity (cm/sec)*
B-72	9.5 - 11.5	1.2E-07
B-71	19.5 - 21.5	1.6E-08
B-83	9.5 - 11.5	5.0E-08
B-81	19.5 - 21.0	2.5E-07
B-91	9.5 - 11.0	8.7E-07
B-101	9.5 - 11.5	6.2E-08
B-103	19.5 - 20.8	5.2E-08
B-121	9.5 - 11.5	1.5E-07
B-121	19.5 - 22.0	5.8E-07
B-131	14.5 - 17.0	3.5E-08
B-132	29.5 - 31.5	1.9E-08
B-151	9.5 - 11.5	8.1E-08
B-153	19.5 - 20.5	1.0E-09
B-162	9.5 - 11.5	9.5E-08
B-162	19.5 - 21.0	4.8E-07
Cell A Soil Liner		1.6E-07
Cell A Soil Liner		3.2E-08
Cell A Soil Liner		6.2E-08
Cell A Soil Liner		7.6E-08
Cell A Soil Liner		4.5E-08

1 Falling head test
2 Remolded to in-place density
3 Estimated values; test failed due to soil/tube interface channeling

* Recreated from Table IX-3 of EXC, "RCRA Part B Permit Application," January 30, 1987

TABLE B.4

LEACHATE CHARACTERIZATION FOR CELL A
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

LABORATORY :

EMS LABORATORIES, INC.
7901 WEST MORRIS STREET
INDIANAPOLIS, INDIANA 46231
(317) 243-8304

SAMPLE : 80237 00
DATE RECEIVED : 04/23/87 DATE COMPLETE : 05/21/87

DESCRIPTION 1 : EWC
DESCRIPTION 1 : LEACHATE STORAGE TANKS
DATE SAMPLED : 4/22/87 TIME SAMPLED : 4:00 PM

TEST DESCRIPTION	RESULT	DET. LIMIT	UNITS	METHOD	ANALYST	DATE
CYANIDE, TOTAL	0.48	0.01	MG/L	EPA 335.3	RFS	4/28/87
CHLORIDE	1500	5	MG/L	APHA 407A	JSW	5/4/87
SULFATE	500	125	MG/L	EPA 375.4	JSW	4/30/87
SULFIDE, TOTAL	ND	0.1	MG/L	EPA376.2	BAS	5/8/87
TOTAL DISSOLVED SOLIDS DRIED AT 180 C	4600	10	MG/L	EPA 160.1	TPR	5/1/87
OIL AND GREASE	8	5	MG/L	EPA 413.1	HMS	5/13/87
ALKALINITY, TOTAL	600	1.0	MG/L	EPA 310.1	TPR	5/4/87
PH	8.3	0.1	STD. UNITS	EPA 150.1	LJC	4/23/87
ARSENIC, TOTAL	0.023	0.010	MG/L	EPA 206.2	SJE	4/27/87
INSTRUMENT	: PE 5100 GFAA					
BARIUM, TOTAL	0.36	0.01	MG/L	EPA 208.1	JRS	5/4/87
INSTRUMENT	: IL 200 ICP					
CADMIUM, TOTAL	0.025	0.010	MG/L	EPA 213.1	JRS	5/4/87
INSTRUMENT	: IL 200 ICP					
CALCIUM, TOTAL	360	1.0	MG/L	EPA 215.1	JRS	5/6/87
INSTRUMENT	: IL 200 ICP					
CHROMIUM, TOTAL	0.035	0.010	MG/L	EPA 218.1	JRS	5/5/87
INSTRUMENT	: IL 200 ICP					

* Recreated from Table IX-4 of EWC, "RCRA Part B Permit Application," January 30, 1987

LEACHATE CHARACTERIZATION FOR CELL A
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

SAMPLE : 80237 00

TEST DESCRIPTION	RESULT	DET. LIMIT	UNITS	METHOD	ANALYST	DATE
COPPER, TOTAL	0.77	0.010	MG/L	EPA 220.1	JRS	5/4/87
INSTRUMENT	: IL 200 ICP					
LEAD, TOTAL	0.23	0.10	MG/L	EPA 239.1	JRS	5/4/87
INSTRUMENT	: IL 200 ICP					
MERCURY	ND	0.0005	MG/L	EPA 245.1	MHK	4/29/87
INSTRUMENT	: PE 370 CVAA					
NICKEL, TOTAL	0.18	0.010	MG/L	EPA 249.1	JRS	5/4/87
INSTRUMENT	: IL 200 ICP					
SELENIUM	0.014	0.010	MG/L	EPA 270.2	SJE	4/23/87
INSTRUMENT	: PE 5100 GFAA					
SILVER, TOTAL	ND	0.01	MG/L	EPA 272.1	JRS	5/6/87
INSTRUMENT	: IL 200 ICP					
ZINC, TOTAL	0.49	0.010	MG/L	EPA 289.1	JRS	5/4/87
INSTRUMENT	: IL 200 ICP					
PHENOLS	35	1	MG/L	EPA 420.2	RFS	5/7/87
VOLATILE ORGANICS, RCRA	ATTACHED	NA	NA	EPA 8240	JLM	5/8/87
FILE REFERENCE NO.	G17681					
STANDARD FRN	G17671					
BLANK FRN	G17670					
DUPLICATE FRN	NA					
SPIKE FRN	NA					
METALS DIGESTION	COMPLETE	NA	ML	EPS 200.0	KMG	5/1/87
INITIAL WT OR VOL	50					
FINAL WT OR VOL	50					

* Recreated from Table IX-4 of EWC, "RCRA Part B Permit Application," January 30, 1987

TABLE B.4

LEACHATE CHARACTERIZATION FOR CELL A
FOUR COUNTY LANDFILL SITE
FULTON COUTNY, INDIANA

EMS LABS VOLATILE ORGANICS ANALYSIS REPORT

DESCRIPTION : EWC

EMS SAMPLE # : 80237
ANALYSIS METHOD : SW-846 METHOD 8240

DATA FILE: >17681::L2
ANALYSIS TIME : 5/08/87 23:45

	COMPOUND	RESULTS (ppb)
1	[Acetone]	7500
21	Acrolein	ND
31	Acrylonitrile	ND
4	Benzene	ND
5	Bromodichloromethane	ND
6	Bromoform	ND
7	Bromomethane	ND
8	[Carbon disulfide]	ND
9	Carbon tetrachloride	ND
101	Chloroacetaldehyde	ND
11	Chlorobenzene	ND
12	Chlorodibromethane	ND
13	Chloroethane	ND
14	2-Chloroethylvinylether	ND
15	Chloroform	ND
16	Chloromethane	ND
17	cis-1,3-Dichloropropene	ND
18	Dichlorodifluoroethane	ND
19	1,1-Dichloroethane	ND
20	1,2-Dichloroethane	ND
21	1,1-Dichloroethene	ND
22	1,2-Dichloroethene	ND
23	Ethyl benzene	ND
24	[Fluorotrichloromethane]	ND
251	2-Hexanone	ND
26	Methanol	ND
27	Methylene chloride	1200
28	[Methylisobutylketone]	3900
29	Methyl ethyl ketone	5700
30	Styrene	ND
31	1,1,2,2-Tetrechloroethane	ND
32	Tetrachloroethene	ND
33	Toluene	ND
34	trans-1,2-Dichloroethene	ND

* Recreated from Table IX-4 of EWC, "RCRA Part B Permit Application," January 30, 1987

TABLE B.4

LEACHATE CHARACTERIZATION FOR CELL A
FOUR COUNTY LANDFILL SITE
FULTON COUTNY, INDIANA

EMS SAMPLE # : 80237

	COMPOUND	RESULTS (ppb)
35	trans-1,3-Dichloropropane	ND
36	1,1,1-Trichloroethene	ND
37	1,1,2-Trichloroethene	ND
38	Trichloroethane	ND
391	Vinyl acetate	ND
401	Vinyl Chloride	ND
41	m-Xylene	ND
42	o-Xylene	ND
43	p-Xylene	ND

* Recreated from Table IX-4 of EWC, "RCRA Part B Permit Application," January 30, 1987

TABLE B.5

80 MIL SCHLEGEL SHEET LINER PROPERTIES
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

Property	*Test Method*	*Units*	*Values* [1]
Density	ASTM D 792	g/cm3	0.95
	Method B		0.95
Melt Flow Rate	ASTM D 1238	g/10 min	
	Condition E		0.2
Average Molecular Weight	ASTM D 2857	--	
Coefficient of Liner Thermal Expansion	ASTM D 696	oC	1.20E+4
Water Absorption	ASTM D 570	%/4 days	0.085
Shore D Hardness	ASTM D 2240	Shore D	65
Impact Resistance Notched	ASTM D 256 Method B	ft. lb/inch of Notch	No break
Percentage Elongation at Yield		%	15
Percentage Elongation at Break	ASTM D638 Speed C	%	800
Tensile Stress at Yield	Test Specimen Type IV	psi	2800
Tensile Strength at Break		psi	3500
Thickness	ASTM D 374	in (mm)	0.10 (2.5)

[1] Values supplied by manufacturer

* Recreated from Table IX-5 of EWC, "RCRA Part B Permit Application," January 30, 1987

TABLE B.6

80 MIL GUNDLINE HD LINER PROPERTIES
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

GUNDLINE HD is a high quality formulation of High Density Polyethylene containing approximately 97.5% polymer and 2.5% of carbon black, anti-oxidants and heat stabilizers. The product was designed specifically for exposed conditions. It contains no additives or fillers which can leach out and cause deterioration over time.

Property	*Test Method*	*Units*	*Values* [1]
Density	ASTM D 1505	g/cm3	0.94
Melt Flow Index	ASTM D 1238	g/10 min	
	Condition E		0.3
Minimum Tensile Properties			
(Each Direction)	ASTM D638		
1. Tensile Strength at Break	Speed C	lb/in	320
2. Tensile Strength at Yield	Test Specimen	lb/in	190
3. Elongation at Break	Type IV	%	700
4. Elongation at Yield		%	13
5. Modulus of Elasticity	ASTM D 882	psi	110000
Coefficient of Liner	ASTM D 696	oC	1.20E+4
Thermal Expansion			
Water Absorption	ASTM D 570	%/4 days	0.1
Tear Resistance Initiation	ASTM D 1004 Die C	lbs Min	60
Low Temperature Brittleness	ASTM D 746 Procedure B	oF	-112
Dimensional Stability	ASTM D638	% change max.	±2
(Each direction)	212oF 1 hr.		
Volatile Loss	ASTM D 1203 Method A	Max. %	0.1
Resistance to Soil Burial	ASTM D 3083 using		
(Maximum percent change	ASTM D 638 Type IV		
in original value)	Dumb-Bell at 2 ipm.		
Tensile Strength at Break and Yield		% Change	±5
Elongation at Break and Yield		% Change	±5
Thickness (Nominal)	ASTM D 374	mm	2
Ozone Resistance	ASTM D 1149 7 days		No
	100 pphm. 104oF		cracks
	Magnification		7 x
Environmental Stress Crack	ASTM D 1693	Minimum hours	1500
	Condition C (100oC)		
Puncture Resistance	FTMS 101B	Pounds	350
	Method 2031		
Hydrostatic Resistance	ASTM D 751 Method A	psi	0.1
	Procedure 1		
Moisture Vapor Transmission	ASTM D 96	g m day	0.01

[1] Values supplied by manufacturer

* Recreated from Table IX-6 of EWC, "RCRA Part B Permit Application," January 39, 1987

TABLE B.7

NATIONAL SANITATION FOUNDATION STANDARD #54
SPECIFICATION REQUIREMENTS FOR 80 MIL HDPE LINER
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA
Unsupported (U)

Property	*Test Method*	*Unit*	*80 Mil Values*
Gauge (nominal)	--	--	80
Thickness	ASTM D 1593	mil	>72
Specific Gravity	ASTM D 792 Method A	g/cm3	>0.930
Minimum Tensile Properties (each direction)	ASTM D 638		
1. Tensile Strength Yield		lb/in width	120
2. Tensile Strength at Break		lb/in width	120
3. Elongation at Yield		%	10
4. Elongation at Break		%	500
5. Modulus of Elasticity		lb/in2	80000
Tear Resistance	ASTM D 1004 Die C	pounds	>40
Low Temperature	ASTM D 746 Procedure B	oF	-40
Dimension Stability (each direction)	ASTM D 1204 212oF, 15 min	percent change maximum	±3
Resistance to Soil Burial (percent change maximum in original value)	ASTM D 3083 (as modified in Appendix A)		
1. Tensile Strength Yield			10
2. Tensile Strength at Break			10
3. Elongation at Yield			10
4. Elongation at Break			10
5. Modulus of Elasticity			10
Environmental Stress Crack	ASTM D 1693 (as modified in Appendix A)	hours	>500

* Recreated from TABLE 5. MATERIAL PROPERTIES in Appendix IX of EWC, "RCRA Part B Permit Application," January 30, 1987

TABLE B.7

NATIONAL SANITATION FOUNDATION STANDARD #54
SPECIFICATION REQUIREMENTS FOR 80 MIL HDPE LINER
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA
Factory and Field Seam Requirements [1]

Property	*Test Method*	*Unit*	*80 Mil Values*
Bonding Seam Strength (factory seam, breaking factor, ppi width)	ASTM D 3083 (as modified in Appendix A)	--	108
Peel Adhesion	ASTM D 413	lb/in	Film Tear Bond
Dead Load			
Room Temperature 73oF 50% Bonded Seam Load	See Appendix A		Pass
Elevated Room Temperature 158o 25% Bonded Seam Load	See Appendix A		Pass
Resistance to Soil Burial	ASTM D 3083		Film Tear Bond
Peel Adhesion	(as modified in		-20
Bonded Seam Strength (percent change maximum in original value)	Appendix A)		

[1] Factory bonded seam strength is the responsibility of the fabricator. Factory seam are further discussed in Item 4.2.

* Recreated from TABLE 5. MATERIAL PROPERTIES in Appendix IX of EWC, "RCRA Part B Permit Application," January 30, 1987

TABLE B.8

DRAINAGE NET NS1100 SPECIFICATIONS
FOUR COUNTY LANDFILL SITE
FULRON COUNTY, INDIANA

The drainage net shall be an integrally formed polyethylene net structure. It shall have uniform channels, open area, and thickness to assure uniform flow throughout the structure. It shall have high tensile strength and tear strength to resist installation damage and loading on steep slopes. It shall also have a low compressibility under high loading conditions. The drainage net shall also be resistant to ultraviolet degradation. The drainage net shall conform to the property requirements listed below.

Property	*Test Method*	*Notes*	*Units*	*Value A*
Flow Capacity				
Gradient of 1				
Transmissivity @ 500 psf	ASTM	1	x10-3 ft2/sec (gpm/ft)	12 (5.3)
Transmissivity of @ 5,000 psf	ASTM	1	x10-3 ft2/sec (gpm/ft)	10 (4.5)
Mechanical Properties				
Peak Tensile Strength MH	ASTM D 638 Modified	3	lb/ft	260
Tensile Strength @ 2% Strain MD	ASTM D 6381 Modified		lb/ft	30
Compressibility @ 2,000 psf	ASTM	1,4	%	16
Material				
Polyethylene - Specific Gravity	ASTM D 1505		g/cm3	0.922-0.928
Carbon Black Stabilization	ASTM D 4218		%	2.5
Dimensions				
Thickness	O. D. Calibrated	3,7	inches	0.22
Unit Weight			oz/yd2	24
Open Area	COE Method Modified		%	58
Roll Length			ft	98
Roll Width			ft	5.3
Roll Weight			lbs	87

* Recreated from Table IX-7 of EWC, "RCRA Part B Permit Application," January 30, 1987

TABLE B.8

DRAINAGE NET NS1100 SPECIFICATIONS
FOUR COUNTY LANDFILL SITE
FULRON COUNTY, INDIANA

Notes

1. Based on draft test method from ASTM D 35 Committee on Geotextiles and Related Products, using boundary conditions of two aluminum plates.
2. Except where noted all reported test values are nominal.
3. Minimum value
4. Maximum value
5. Tensile Strength and Compressibility properties shall be tested be the manufacturer every 5,000 square yards of product.
6. Product thickness shall be measured be the manufacturer every 2,500 square yards of product.
7. Thickness is measured be placing the specimen flat on a computer base and lowering a round 1/2 inch diameter flat end surface squarely over a junction.

The Tensar Corporation
1210 Citizens Parkway
Morrow, GA 30260
(800) 845-4453

SPECIFICATION SHEET
NS1300.1 - Rev. 3
February, 1987

A Values supplied by manufacturer

* Recreated from Table IX-7 of EWC, "RCRA Part B Permit Application," January 30, 1987

TABLE B.9

GUNDLE XL-4 SPECIFICATIONS
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

Property	Method	Unit	Value [1]
Polymer Composition			Minimum 97% polyethylene
Polymer Specific Gravity	ASTM D 1505		0.94
Polymer Melt Index	ASTM D 1238	g/10 min.	0.3
Carbon Black Content		%	2 to 3
Thickness		mm	4.5-5.5
Transmissivity		ft2/sec	2.00E-02
Normal Compressibility			Less than or equal to 16% under 2000 psf load
Tensile Strength		lbs/ft	>260

[1] Values supplied by manufacturer

* Recreated from Table IX-8 of EWC, "RCRA Part B Permit Application," January 30, 1987

HYDRAULIC TRANSMISSIVITY VALUES FOR TENSAR DRAINAGE NETTING FOUR COUNTY LANDFILL SITE FULTON COUNTY, INDIANA

Compressive Stress		*Hydraulic Gradient, i (m2/s)*				
kPa	*psf*	*0.03*	*0.25*	*0.50*	*0.75*	*1.00*
10	200	2.5E-03	1.7E-03	9.4E-04	9.1E-04	7.5E-04
50	1000	2.2E-03	1.3E-03	1.0E-03	8.1E-04	7.5E-04
125	2500	2.2E-03	1.3E-03	9.2E-04	7.9E-04	7.0E-04
250	5000	1.9E-03	1.2E-03	8.6E-04	7.5E-04	6.3E-04
500	10000	1.4E-03	9.0E-04	6.4E-04	6.6E-04	4.2E-04
750	15000	3.7E-04	2.2E-04	1.9E-04	1.7E-04	1.4E-04
1000	20000	-	8.E-05	7.E-05	6.E-05	5.E-05

This specimen profile is: Aluminum plate/1.5 mm (60 mil) thick HDPE geomembrane/5 mm (200 mil) thick polyethylene drainage net /2 mm (80 mil) thick HDPE geomembrane/Aluminum plate. Values are related to water at 20oC (68oF). Transmissivities related to other fluids and other temperatures can be derived from hydraulic transmissivity as indicated in Williams et al (1984).

Note: Test results at 1000 kPa (20000 psf) are reported to only one significant digit because at that pressure creep that develops during the tests affects the precision of the results. No correction to the test results has been made and the results should therefore be considered approximate.

* Recreated from Table IX-9 of EWC, "RCRA Part B Permit Application," January 30, 1987

TABLE B.10

HYDRAULIC TRANSMISSIVITY VALUES
FOR TENSAR DRAINAGE NETTING
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

Compressive Stress		*Hydraulic Gradient, i (m2/s)*				
kPa	*psf*	*0.25*	*0.50*	*0.75*	*1.00*	*1.25*
10	200	2.8E-04	2.4E-04	2.1E-04	2.0E-04	2.0E-04
50	1000	2.3E-04	1.9E-04	1.6E-04	1.5E-04	1.5E-04
125	2500	1.6E-04	1.4E-04	1.2E-04	1.1E-04	1.1E-04
250	5000	1.2E-04	9.7E-04	8.4E-04	7.7E-04	7.4E-04
500	10000	5.0E-05	4.8E-05	3.6E-05	3.8E-05	3.7E-05
1000	20000	1.E-05	1.E-05	1.E-05	1.E-05	1.E-05

This specimen is: Aluminum plate/25 mm (1 inch) thick clay layer compacted to 90% Standard Proctor dry density/polypropylene needlepunched nonwoven geotextile heatbonded on one side, mass per unit area 150g/m2 (4.5 oz./yd2) /5 mm (200 mil) thick polyethylene drainage net /2 mm (80 mil) thick HDPE geomembrane/Aluminum plate. Values are related to water at 20oC (68oF). Transmissivity related to other fluids and other temperatures can be derived from hydraulic transmissivity as indicated in Williams et al. (1984).

Note: Test results at 1000 kPa (20000 psf) are reported to only one significant digit because at that pressure creep that develops during the tests affects the precision of the results. No correction to the test results has been made and the results should therefore be considered approximate.

* Recreated from Table IX-9 of EWC, "RCRA Part B Permit Application," January 30, 1987

TABLE B.10

HYDRAULIC TRANSMISSIVITY VALUES FOR TENSAR DRAINAGE NETTING FOUR COUNTY LANDFILL SITE FULTON COUNTY, INDIANA

Compressive Stress		*Hydraulic Gradient, i (m2/s)*				
kPa	*psf*	*0.25*	*0.50*	*0.75*	*1.00*	*1.25*
10	200	4.7E-04	3.7E-04	3.3E-04	3.0E-04	2.7E-04
50	1000	4.4E-04	3.5E-04	3.0E-04	2.7E-04	2.5E-04
100	2000	4.4E-04	3.0E-04	2.6E-04	2.4E-04	2.1E-04
200	4000	3.0E-04	2.4E-04	2.1E-04	1.9E-04	1.7E-04
400	8000	2.3E-04	1.6E-04	1.4E-04	1.3E-04	1.2E-04
600	12000	8.7E-04	7.2E-05	6.3E-05	5.8E-05	4.4E-05
1000	20000	-	-	-	2.E-05	2.E-05

This specimen is: Aluminum plate/25 mm (1 inch) thick clay layer compacted to 90% Standard Proctor dry density/special polyester needlepunched geotextile with a very high needling density, mass per unit area 250g/m2 (7.2 oz./yd2) /5 mm (200 mil) thick polyethylene drainage net /Aluminum plate. Values are related to water at 20oC (68oF). Transmissivity related to other fluids and other temperatures can be derived from hydraulic transmissivity as indicated in Williams et al. (1984).

Note: Test results at 1000 kPa (20000 psf) are reported to only one significant digit because at that pressure creep that develops during the tests affects the precision of the results. No correction to the test results has been made and the results should therefore be considered approximate.

* Recreated from Table IX-9 of EWC, "RCRA Part B Permit Application," January 30, 1987

TABLE B.11

TREVIRA SPUNBOND 7155 SPECIFICATIONS
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

Property	*Test Method*	*Unit*	*Typical A*	*Minimum A*
Fabric Weight	ASTM D 3775	oz/yd[1]	17.0	16.0
Thickness	ASTM D 1777	mils	150	120
Grab Strength (MD/CD) [2]	ASTM D 4632	lb	330/260	225
Grab Elongation (MD/CD)	ASTM D 4632	%	95/120	70
Trapezoid Tear Strength (MD/CD)	ASTM D 4533	lb	130/90	68
Puncture Strength	ASTM D 3787	lb	170	145
Mullen Burst Strength	ASTM D 3786	psi	550	450
Vertical Water Flow	5" Head	gal/min/ft2	225	150
AOS	CW-02215 mod. to 10 min. U. S. Std. Sieve		200	140
Std Roll Widths		FT2	12.5 & 15	
Std Roll Length		FT2	300	

[1] Other width and length rolls are available upon request.
[2] MD = Machine Direction, CD = Cross Machine Direction
Other width and length rolls are available upon request.

Notes:
Typical Physical Properties of Type 71 Products represent typical average values as opposed to Minimum Roll Values
A Values supplied by manufacturer
* Recreated from Table IX-10 of EWC, "RCRA Part P Permit Application," January 30, 1987

TABLE B.12

AVERAGE ANNUAL PERCOLATION THROUGH 6" SOIL COVER
INDIANAPOLIS WEATHER DATA 1974-1978
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

		RUNOFF		EVAPORATION		PERCOLATION	
Month	*Rainfall*	*Silt Loam*	*Clay Loam*	*Silt Loam*	*Clay Loam*	*Silt Loam*	*Clay Loam*
JAN	3.07	0.0	0.0	0.0	0.0	0.0	0.0
FEB	2.71	4.99	4.35	0.66	0.66	1.88	2.44
MAR	3.72	1.57	1.14	2.58	2.78	1.00	1.25
APR	2.81	0.61	0.36	1.92	2.34	0.38	0.38
MAY	3.76	0.83	0.47	2.57	2.94	0.25	0.21
JUN	4.36	1.56	1.12	2.45	2.81	0.37	0.45
JUL	3.56	0.90	0.54	2.40	2.83	0.25	0.22
AUG	5.93	2.07	1.51	3.10	3.52	0.67	0.68
SEP	1.97	0.36	0.19	1.61	2.00	0.15	0.10
OCT	3.03	0.85	0.59	1.68	1.89	0.46	0.46
NOV	2.47	0.41	0.26	0.83	0.92	0.27	0.18
DEC	2.91	0.0	0.0	0.0	0.0	0.0	0.0

* Recreated from Table IX-11 of EWC, "RCRA Part B Permit Application," January 30, 1987

FIGURES

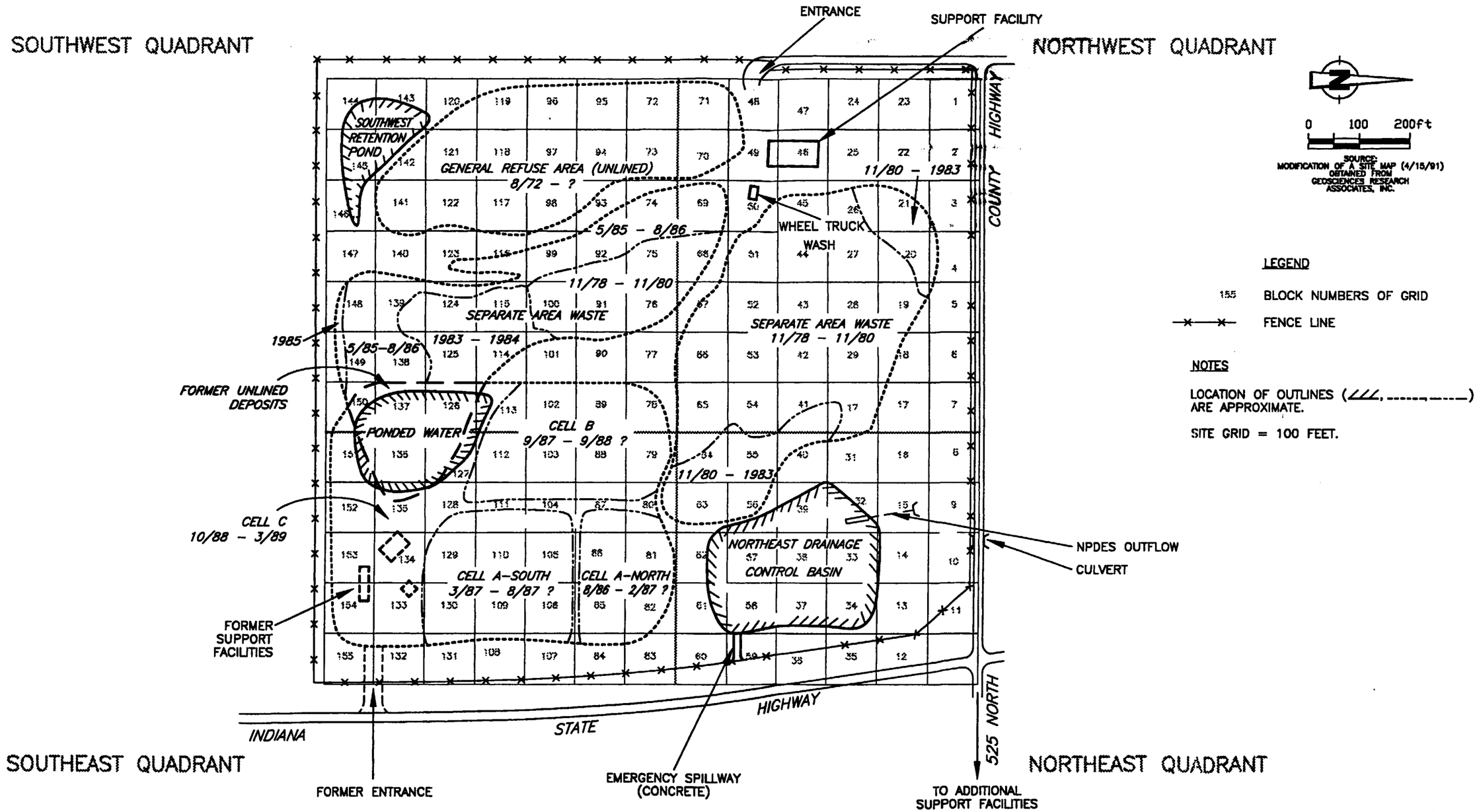
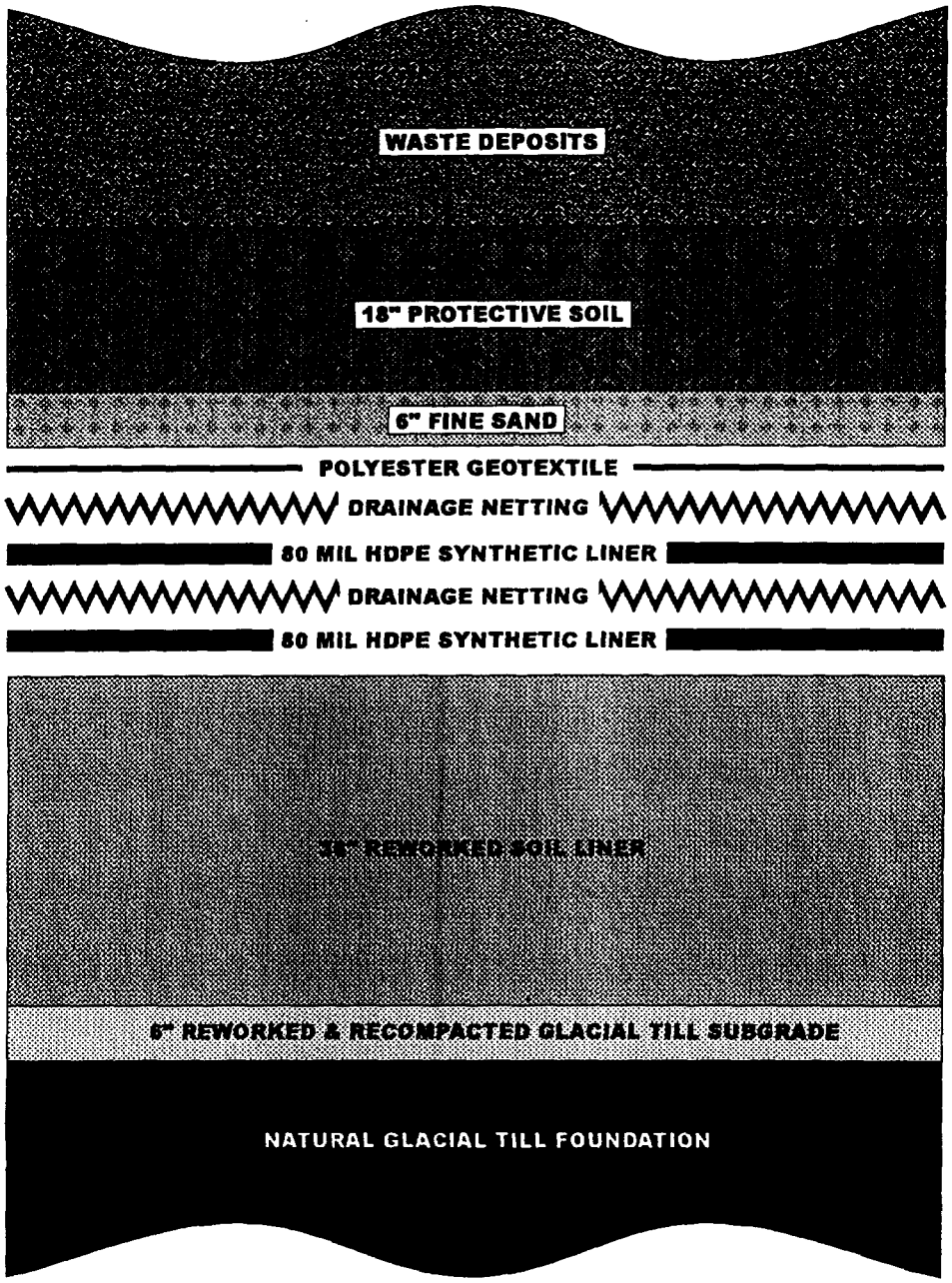


figure B.1

WASTE DEPOSIT BOUNDARIES
AND DEPOSITIONAL HISTORY
FOUR COUNTY LANDFILL SITE
Fulton County, Indiana

CRA

5369(11)–JAN. 16, 96–REV.0–(C)(P115)



NOT TO SCALE

figure B.2
SKETCH DIAGRAM
TYPICAL DOUBLE LINER SYSTEM
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

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APPENDIX C

TABULATED SUMMARY OF LEACHATE ANALYTICAL DATA - APRIL 1987 TO SEPTEMBER 1993

TABLE C.1

SUMMARY OF LEACHATE ANALYTICAL DATA
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

Volatiles	*Concentration Units*	*4/22/87* [1]	*1/30/89* [2]	*A-North* [3] *Primary 11/2/89*	*A-North* [4] *Secondary 11/2/89*	*B* [5] *Primary 11/2/89*	*B* [6] *Secondary 11/2/89*	*C* [7] *Primary 11/2/89*	*C* [8] *Primary 11/2/89*
Acetone	mg/L	7.5 [16]	ND(0.10) [17]	17	1.8	9.1	17	11	13
Acetonitrile	mg/L	NA [18]	NA	NA	NA	NA	NA	NA	NA
Acrolein	mg/L	ND(1.3)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.25)	ND(0.25)	ND(0.25)
Acrylonitrile	mg/L	ND(1.3)	ND(0.70)	ND(0.70)	ND(0.70)	ND(0.70)	ND(0.35)	ND(0.35)	ND(0.35)
Allyl chloride (3-Chloropropylene)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	mg/L	ND(0.25)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.025)	ND(0.025)	ND(0.025)
Bromodichloromethane	mg/L	ND(0.25)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.025)	ND(0.025)	ND(0.025)
Bromoform	mg/L	ND(0.25)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.025)	ND(0.025)	ND(0.025)
Bromomethane	mg/L	ND(0.25)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.05)	ND(0.05)	ND(0.05)
2-Butanone (MEK)	mg/L	5.7	1.6	14	0.86	6.6	7.7	8.0	7.1
n-Butyl alcohol	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	mg/L	ND(0.25)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	0.025J [19]	ND(0.025)	ND(0.025)
Carbon tetrachloride	mg/L	ND(0.25)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.025)	ND(0.025)	ND(0.025)
Chloroacetaldehyde	mg/L	ND(1.3)	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	mg/L	ND(0.25)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.025)	ND(0.025)	ND(0.025)
Chloroethane	mg/L	ND(0.25)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.05)	ND(0.05)	ND(0.05)
2-Chloroethyl vinyl ether	mg/L	ND(0.25)	NA	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.05)	ND(0.05)	ND(0.05)
Chloroform	mg/L	ND(0.25)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.025)	ND(0.025)	ND(0.025)
Chloromethane	mg/L	ND(0.25)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.05)	ND(0.05)	ND(0.05)
Chloroprene (2-Chloro-1,3-butadiene)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Cyclohexanone	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	mg/L	ND(0.25)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.025)	ND(0.025)	ND(0.025)

TABLE C.1

SUMMARY OF LEACHATE ANALYTICAL DATA
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

Volatiles	*Concentration Units*	*C* [9] *Secondary 11/2/89*	*C* [10] *Secondary 11/2/89*	*F039 Scan* [11] *9/30/93*	*HBN* [12]	*HBN x 10* [13]	*HBN x 12* [14]	*HBN x 100* [15]
Acetone	mg/L	12	11	15	4	40	48	400
Acetonitrile	mg/L	NA	NA	ND(0.05)	0.2	2	2.4	20
Acrolein	mg/L	ND(0.25)	ND(0.50)	ND(0.05)	0.7	7	8.4	70
Acrylonitrile	mg/L	ND(0.35)	ND(0.70)	ND(0.07)	0.00006	6E-04	0.00072	0.006
Allyl chloride (3-Chloropropylene)	mg/L	NA	NA	ND(0.02)	0.002	0.02	0.024	0.2
Benzene	mg/L	ND(0.025)	ND(0.05)	ND(0.005)	0.005	0.05	0.06	0.5
Bromodichloromethane	mg/L	ND(0.025)	ND(0.05)	ND(0.005)	0.0003	0.003	0.0036	0.03
Bromoform	mg/L	ND(0.025)	ND(0.05)	ND(0.005)	0.004	0.04	0.048	0.4
Bromomethane	mg/L	ND(0.05)	ND(0.10)	ND(0.01)	0.05	0.5	0.6	5
2-Butanone (MEK)	mg/L	11	10	4.2	2	20	24	200
n-Butyl alcohol	mg/L	NA	NA	120	4 [20]	40 [20]	48 [20]	400 [20]
Carbon disulfide	mg/L	ND(0.025)	ND(0.05)	ND(0.005)	4	40	48	400
Carbon tetrachloride	mg/L	ND(0.025)	ND(0.05)	ND(0.005)	0.005	0.05	0.06	0.5
Chloroacetaldehyde	mg/L	NA	NA	NA	NE	NE	NE	NE
Chlorobenzene	mg/L	ND(0.025)	ND(0.05)	ND(0.005)	0.1	1	1.2	10
Chloroethane	mg/L	ND(0.05)	ND(0.10)	ND(0.01)	NE	NE	NE	NE
2-Chloroethyl vinyl ether	mg/L	ND(0.05)	ND(0.10)	NA	NE	NE	NE	NE
Chloroform	mg/L	ND(0.025)	ND(0.05)	ND(0.005)	0.006	0.06	0.072	0.6
Chloromethane	mg/L	ND(0.05)	ND(0.10)	ND(0.01)	0.003	0.03	0.036	0.3
Chloroprene (2-Chloro-1,3-butadiene)	mg/L	NA	NA	ND(0.005)	0.7	7	8.4	70
Cyclohexanone	mg/L	NA	NA	ND(0.36)	NE	NE	NE	NE
Dibromochloromethane	mg/L	ND(0.025)	ND(0.05)	ND(0.005)	0.0004	0.004	0.0048	0.04

TABLE C.1

SUMMARY OF LEACHATE ANALYTICAL DATA
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

	Concentration Units	4/22/87 [1]	1/30/89 [2]	A-North [3] Primary 11/2/89	A-North [4] Secondary 11/2/89	B [5] Primary 11/2/89	B [6] Secondary 11/2/89	C [7] Primary 11/2/89	C [8] Primary 11/2/89
Volatiles Continued									
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane (EDB)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Dibromomethane	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,4-Dichloro-2-butene	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane	mg/L	ND(0.25)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.025)	ND(0.025)	ND(0.025)
1,1-Dichloroethane	mg/L	ND(0.25)	ND(0.05)	ND(0.05)	ND(0.05)	0.078	0.029	ND(0.025)	ND(0.025)
1,2-Dichloroethane	mg/L	ND(0.25)	ND(0.05)	ND(0.05)	ND(0.05)	0.061	ND(0.025)	ND(0.025)	ND(0.025)
1,1-Dichloroethene	mg/L	ND(0.25)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.025)	ND(0.025)	ND(0.025)
1,2-Dichloroethene (total)	mg/L	ND(0.25)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.025)	ND(0.025)	ND(0.025)
1,2-Dichloropropane	mg/L	ND(0.25)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.025)	ND(0.025)	ND(0.025)
cis-1,3-Dichloropropene	mg/L	ND(0.25)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.025)	ND(0.025)	ND(0.025)
trans-1,3-Dichloropropene	mg/L	ND(0.25)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.025)	ND(0.025)	ND(0.025)
1,4-Dioxane	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Ethyl acetate	mg/L	NA	NA	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.05)	ND(0.05)	ND(0.05)
Ethyl benzene	mg/L	ND(0.25)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.025)	ND(0.025)	ND(0.025)
Ethylene oxide	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Ethyl ether	mg/L	NA	NA	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.025)	ND(0.025)	ND(0.025)
Ethyl methacrylate	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Iodomethane	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Isobutanol	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	mg/L	ND(1.3)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	0.043J	0.095	ND(0.05)
Methacrylonitrile	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Methanol	mg/L	ND(0.25)	NA	NA	NA	NA	NA	NA	NA

TABLE C.1

SUMMARY OF LEACHATE ANALYTICAL DATA
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

	Concentration Units	C [9] Secondary 11/2/89	C [10] Secondary 11/2/89	F039 Scan [11] 9/30/93	HBN [12]	HBN x 10 [13]	HBN x 12 [14]	HBN x 100 [15]
Volatiles Continued								
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	NA	NA	ND(0.01)	0.0002	0.002	0.0024	0.02
1,2-Dibromoethane (EDB)	mg/L	NA	NA	ND(0.005)	0.00005	5E-04	0.0006	0.005
Dibromomethane	mg/L	NA	NA	ND(0.005)	0.4	4	4.8	40
trans-1,4-Dichloro-2-butene	mg/L	NA	NA	NA	NE	NE	NE	NE
Dichlorodifluoromethane	mg/L	ND(0.025)	ND(0.05)	ND(0.01)	7	70	84	700
1,1-Dichloroethane	mg/L	0.036	ND(0.05)	0.07	4	40	48	400
1,2-Dichloroethane	mg/L	**0.082****	**0.090****	ND(0.005)	0.005	0.05	0.06	0.5
1,1-Dichloroethene	mg/L	ND(0.025)	ND(0.05)	ND(0.005)	0.007 [21]	0.07 [21]	0.084 [21]	0.7 [21]
1,2-Dichloroethene (total)	mg/L	ND(0.025)	ND(0.05)	ND(0.005)	0.07/0.1	0.7/1	0.84/1.2	7/1
1,2-Dichloropropane	mg/L	ND(0.025)	ND(0.05)	ND(0.005)	0.005	0.05	0.06	0.5
cis-1,3-Dichloropropene	mg/L	ND(0.025)	ND(0.05)	ND(0.005)	0.0002	0.002	0.0024	0.02
trans-1,3-Dichloropropene	mg/L	ND(0.025)	ND(0.05)	ND(0.005)	0.0002	0.002	0.0024	0.02
1,4-Dioxane	mg/L	NA	NA	ND(1.0)	0.003	0.03	0.036	0.3
Ethyl acetate	mg/L	ND(0.05)	ND(0.10)	ND(0.01)	30 [20]	300 [20]	360	3000 [20]
Ethyl benzene	mg/L	ND(0.025)	ND(0.05)	ND(0.005)	0.7	7	8.4	70
Ethylene oxide	mg/L	NA	NA	ND(10)	NE	NE	NE	NE
Ethyl ether	mg/L	ND(0.025)	ND(0.05)	ND(0.01)	7	70	84	700
Ethyl methacrylate	mg/L	NA	NA	ND(0.005)	3	30	36	300
Iodomethane	mg/L	NA	NA	ND(0.01)	NE	NE	NE	NE
Isobutanol	mg/L	NA	NA	42	10	100	120	1000
2-Hexanone	mg/L	ND(0.05)	ND(0.10)	NA	NE	NE	NE	NE
Methacrylonitrile	mg/L	NA	NA	ND(0.02)	0.004	0.04	0.048	0.4
Methanol	mg/L	NA	NA	12	20	200	240	2000

TABLE C.1

SUMMARY OF LEACHATE ANALYTICAL DATA
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

Volatiles Continued	*Concentration Units*	*4/22/87* [1]	*1/30/89* [2]	*A-North* [3] *Primary 11/2/89*	*A-North* [4] *Secondary 11/2/89*	*B* [5] *Primary 11/2/89*	*B* [6] *Secondary 11/2/89*	*C* [7] *Primary 11/2/89*	*C* [8] *Primary 11/2/89*
Methylene chloride	mg/L	1.2	ND(0.05)	0.22	ND(0.05)	0.74	0.19	0.089	0.080
Methyl methacrylate	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone (MIBK)	mg/L	3.9	1.5	7.7	0.94	6.5	5.5	2.3	2.3
Propionitrile (Ethyl cyanide)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	mg/L	ND(0.25)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.025)	ND(0.025)	ND(0.025)
1,1,1,2-Tetrachloroethane	mg/L	ND(0.25)	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	mg/L	NA	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.025)	ND(0.025)	ND(0.025)
Tetrachloroethene	mg/L	ND(0.25)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.025)	ND(0.025)	ND(0.025)
Tetrahydrofuran	mg/L	NA	ND(0.25)	ND(0.10)	ND(0.10)	5.3J	1.8J	0.74J	0.84
Toluene	mg/L	ND(0.25)	0.13	0.33	0.082	0.32	0.20	ND(0.025)	ND(0.025)
1,1,1-Trichloroethane	mg/L	ND(0.25)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.025)	ND(0.025)	ND(0.025)
1,1,2-Trichloroethane	mg/L	ND(0.25)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.025)	ND(0.025)	ND(0.025)
Trichloroethene	mg/L	ND(0.25)	NA	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.025)	ND(0.025)	ND(0.025)
Trichlorofluoromethane	mg/L	ND(0.25)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.025)	ND(0.025)	ND(0.025)
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/L	NA	NA	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.025)	ND(0.025)	ND(0.025)
1,2,3-Trichloropropane	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl actetate	mg/L	ND(1.3)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.05)	ND(0.05)	ND(0.05)
Vinyl chloride	mg/L	ND(1.3)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.05)	ND(0.05)	ND(0.05)
Xylenes (total)	mg/L	ND(0.25)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.025)	ND(0.025)	ND(0.025)

TABLE C.1

SUMMARY OF LEACHATE ANALYTICAL DATA
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

	Concentration Units	*C* [9] *Secondary 11/2/89*	*C* [10] *Secondary 11/2/89*	*F039 Scan* [11] *9/30/93*	*HBN* [12]	*HBN x 10* [13]	*HBN x 12* [14]	*HBN x 100* [15]
Volatiles Continued								
Methylene chloride	mg/L	0.43	0.54	0.50	0.005	0.05	0.06	0.5
Methyl methacrylate	mg/L	NA	NA	ND(0.005)	3	30	36	300
4-Methyl-2-pentanone (MIBK)	mg/L	7.0	6.6	4.4	2	20	24	200
Propionitrile (Ethyl cyanide)	mg/L	NA	NA	ND(0.005)	NE	NE	NE	NE
Styrene	mg/L	ND(0.025)	ND(0.05)	NA	0.1	1	1.2	10
1,1,1,2-Tetrachloroethane	mg/L	NA	NA	ND(0.005)	0.001	0.01	0.012	0.1
1,1,2,2-Tetrachloroethane	mg/L	ND(0.025)	ND(0.05)	ND(0.005)	0.0002	0.002	0.0024	0.02
Tetrachloroethene	mg/L	ND(0.025)	ND(0.05)	ND(0.005)	0.005	0.05	0.06	0.5
Tetrahydrofuran	mg/L	4.1J	2.5	NA	NE	NE	NE	NE
Toluene	mg/L	ND(0.025)	ND(0.05)	0.39J	1	10	12	100
1,1,1-Trichloroethane	mg/L	ND(0.025)	ND(0.05)	ND(0.005)	0.2	2	2.4	20
1,1,2-Trichloroethane	mg/L	ND(0.025)	ND(0.05)	ND(0.005)	0.005	0.05	0.06	0.5
Trichloroethene	mg/L	ND(0.025)	ND(0.05)	ND(0.005)	0.005	0.05	0.06	0.5
Trichlorofluoromethane	mg/L	ND(0.025)	ND(0.05)	ND(0.005)	10	100	120	1000
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/L	ND(0.025)	ND(0.05)	ND(0.005)	1000	10,000	12000	100,000
1,2,3-Trichloropropane	mg/L	NA	NA	ND(0.005)	0.2	2	2.4	20
Vinyl actetate	mg/L	ND(0.05)	ND(0.10)	NA	NE	NE	NE	NE
Vinyl chloride	mg/L	ND(0.05)	ND(0.10)	ND(0.01)	0.002	0.02	0.024	0.2
Xylenes (total)	mg/L	ND(0.025)	ND(0.05)	ND(0.005)	10	100	120	1000

TABLE C.1

SUMMARY OF LEACHATE ANALYTICAL DATA
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

Semivolatiles	*Concentration Units*	*4/22/87* [1]	*1/30/89* [2]	*A-North* [3] *Primary 11/2/89*	*A-North* [4] *Secondary 11/2/89*	*B* [5] *Primary 11/2/89*	*B* [6] *Secondary 11/2/89*	*C* [7] *Primary 11/2/89*	*C* [8] *Primary 11/2/89*
Acenaphthene	mg/L	NA	NA	ND(0.04)	ND(0.02)	ND(0.20)	ND(0.08)	ND(0.04)	ND(0.04)
Acenaphthylene	mg/L	NA	NA	ND(0.04)	ND(0.02)	ND(0.20)	ND(0.08)	ND(0.04)	ND(0.04)
Acetophenone	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
2-Acetylaminofluorene	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
4-Aminobiphenyl	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Aniline	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	mg/L	NA	NA	ND(0.04)	ND(0.02)	ND(0.20)	ND(0.08)	ND(0.04)	ND(0.04)
Aramite	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	mg/L	NA	NA	ND(0.04)	ND(0.02)	ND(0.20)	ND(0.08)	ND(0.04)	ND(0.04)
Benzo(b)fluoranthene	mg/L	NA	NA	ND(0.04)	ND(0.02)	ND(0.20)	ND(0.08)	ND(0.04)	ND(0.04)
Benzo(k)fluoranthene	mg/L	NA	NA	ND(0.04)	ND(0.02)	ND(0.20)	ND(0.08)	ND(0.04)	ND(0.04)
Benzo(g,h,i)perylene	mg/L	NA	NA	ND(0.04)	ND(0.02)	ND(0.20)	ND(0.08)	ND(0.04)	ND(0.04)
Benzo(a)pyrene	mg/L	NA	NA	ND(0.04)	ND(0.02)	ND(0.20)	ND(0.08)	ND(0.04)	ND(0.04)
Benzoic acid	mg/L	NA	NA	66	5.5	220	87	ND(0.20)	ND(0.20)
Benzyl alcohol	mg/L	NA	NA	ND(0.04)	ND(0.02)	ND(0.20)	ND(0.08)	ND(0.04)	ND(0.04)
4-Bromophenyl phenyl ether	mg/L	NA	NA	ND(0.04)	ND(0.02)	ND(0.20)	ND(0.08)	ND(0.04)	ND(0.04)
Butyl benzyl phthalate	mg/L	NA	NA	ND(0.04)	ND(0.02)	ND(0.20)	ND(0.08)	0.11	0.10
Carbazole	mg/L	NA	NA	ND(0.20)	ND(0.10)	ND(1.0)	ND(0.40)	ND(0.20)	ND(0.20)
4-Chloroaniline	mg/L	NA	NA	ND(0.04)	ND(0.02)	ND(0.20)	ND(0.08)	ND(0.04)	ND(0.04)
Chlorobenzilate	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	mg/L	NA	NA	ND(0.04)	ND(0.02)	ND(0.20)	ND(0.08)	ND(0.04)	ND(0.04)
bis(2-Chloroethyl)ether	mg/L	NA	NA	ND(0.04)	ND(0.02)	ND(0.20)	ND(0.08)	ND(0.04)	ND(0.04)
bis(2-Chloroisopropyl)ether	mg/L	NA	NA	ND(0.04)	ND(0.02)	ND(0.20)	ND(0.08)	ND(0.04)	ND(0.04)
4-Chloro-3-methylphenol	mg/L	NA	NA	ND(0.04)	ND(0.02)	ND(0.20)	ND(0.08)	ND(0.04)	ND(0.04)

TABLE C.1

SUMMARY OF LEACHATE ANALYTICAL DATA
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

Semivolatiles	*Concentration Units*	*C* [9] *Secondary 11/2/89*	*C* [10] *Secondary 11/2/89*	*F039 Scan* [11] *9/30/93*	*HBN* [12]	*HBN x 10* [13]	*HBN x 12* [14]	*HBN x 100* [15]
Acenaphthene	mg/L	ND(0.20)	ND(0.20)	ND(10)	2	20	24	200
Acenaphthylene	mg/L	ND(0.20)	ND(0.20)	ND(10)	NE	NE	NE	NE
Acetophenone	mg/L	NA	NA	ND(10)	4	40	48	400
2-Acetylaminofluorene	mg/L	NA	NA	ND(10)	NE	NE	NE	NE
4-Aminobiphenyl	mg/L	NA	NA	ND(10)	NE	NE	NE	NE
Aniline	mg/L	NA	NA	ND(10)	0.006	0.06	0.072	0.6
Anthracene	mg/L	ND(0.20)	ND(0.20)	ND(10)	NE	NE	NE	NE
Aramite	mg/L	NA	NA	ND(10)	0.001	0.01	0.012	0.1
Benzo(a)anthracene	mg/L	ND(0.20)	ND(0.20)	ND(10)	0.0001	0.001	0.0012	0.01
Benzo(b)fluoranthene	mg/L	ND(0.20)	ND(0.20)	ND(10)	0.0002	0.002	0.0024	0.02
Benzo(k)fluoranthene	mg/L	ND(0.20)	ND(0.20)	ND(10)	NE	NE	NE	NE
Benzo(g,h,i)perylene	mg/L	ND(0.20)	ND(0.20)	ND(10)	NE	NE	NE	NE
Benzo(a)pyrene	mg/L	ND(0.20)	ND(0.20)	ND(10)	0.0002	0.002	0.0024	0.02
Benzoic acid	mg/L	ND(1.0)	ND(1.0)	99	NE	NE	NE	NE
Benzyl alcohol	mg/L	ND(0.20)	ND(0.20)	ND(10)	10	100	120	1000
4-Bromophenyl phenyl ether	mg/L	ND(0.20)	ND(0.20)	ND(10)	NE	NE	NE	NE
Butyl benzyl phthalate	mg/L	ND(0.20)	ND(0.20)	ND(10)	0.1	1	1.2	10
Carbazole	mg/L	ND(1.0)	ND(1.0)	NA	NE	NE	NE	NE
4-Chloroaniline	mg/L	ND(0.20)	ND(0.20)	ND(10)	0.1	1	1.2	10
Chlorobenzilate	mg/L	NA	NA	ND(10)	0.7	7	8.4	70
bis(2-Chloroethoxy)methane	mg/L	ND(0.20)	ND(0.20)	ND(10)	NE	NE	NE	NE
bis(2-Chloroethyl)ether	mg/L	ND(0.20)	ND(0.20)	ND(10)	0.00003	3E-04	0.00036	0.003
bis(2-Chloroisopropyl)ether	mg/L	ND(0.20)	ND(0.20)	ND(10)	0.0005	0.005	0.006	0.05
4-Chloro-3-methylphenol	mg/L	ND(0.20)	ND(0.20)	ND(10)	NE	NE	NE	NE

TABLE C.1

SUMMARY OF LEACHATE ANALYTICAL DATA
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

Semivolatiles Continued	*Concentration Units*	*4/22/87* [1]	*1/30/89* [2]	*A-North* [3] *Primary 11/2/89*	*A-North* [4] *Secondary 11/2/89*	*B* [5] *Primary 11/2/89*	*B* [6] *Secondary 11/2/89*	*C* [7] *Primary 11/2/89*	*C* [8] *Primary 11/2/89*
2-Chloronaphthalene	mg/L	NA	NA	ND(0.04)	ND(0.02)	ND(0.20)	ND(0.08)	ND(0.04)	ND(0.04)
2-Chlorophenol	mg/L	NA	NA	ND(0.04)	ND(0.02)	ND(0.20)	ND(0.08)	ND(0.04)	ND(0.04)
4-Chlorophenyl phenyl ether	mg/L	NA	NA	ND(0.04)	ND(0.02)	ND(0.20)	ND(0.08)	ND(0.04)	ND(0.04)
Chrysene	mg/L	NA	NA	ND(0.04)	ND(0.02)	ND(0.20)	ND(0.08)	ND(0.04)	ND(0.04)
Dibenz(a,h)anthracene	mg/L	NA	NA	ND(0.04)	ND(0.02)	ND(0.20)	ND(0.08)	ND(0.04)	ND(0.04)
Dibenzo(a,e)pyrene	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	mg/L	NA	NA	ND(0.04)	ND(0.02)	ND(0.20)	ND(0.08)	ND(0.04)	ND(0.04)
Di-n-butyl phthalate	mg/L	NA	NA	ND(0.04)	ND(0.02)	ND(0.20)	ND(0.08)	ND(0.04)	ND(0.04)
1,2-Dichlorobenzene	mg/L	NA	NA	ND(0.04)	ND(0.02)	ND(0.20)	ND(0.08)	ND(0.04)	ND(0.04)
1,3-Dichlorobenzene	mg/L	NA	NA	ND(0.04)	ND(0.02)	ND(0.20)	ND(0.08)	ND(0.04)	ND(0.04)
1,4-Dichlorobenzene	mg/L	NA	NA	ND(0.04)	ND(0.02)	ND(0.20)	ND(0.08)	ND(0.04)	ND(0.04)
3,3'-Dichlorobenzidine	mg/L	NA	NA	ND(0.08)	ND(0.04)	ND(0.40)	ND(0.16)	ND(0.08)	ND(0.08)
2,4-Dichlorophenol	mg/L	NA	NA	ND(0.04)	ND(0.02)	ND(0.20)	ND(0.08)	ND(0.04)	ND(0.04)
2,6-Dichlorophenol	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	mg/L	NA	NA	ND(0.04)	ND(0.02)	ND(0.20)	ND(0.08)	ND(0.04)	ND(0.04)
p-Dimethylaminobenzene	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
7,12-Dimethylbenz(a)anthracene	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-Dimethylbenzidine	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
a,a-Dimethylphenylamine	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	mg/L	NA	NA	ND(0.04)	ND(0.02)	ND(0.20)	ND(0.08)	ND(0.04)	ND(0.04)
Dimethyl phthalate	mg/L	NA	NA	ND(0.04)	ND(0.02)	ND(0.20)	ND(0.08)	ND(0.04)	ND(0.04)
1,4-Dinitrobenzene	mg/L	NA	NA	ND(0.20)	ND(0.10)	ND(1000)	ND(0.40)	ND(0.20)	ND(0.20)
4,6-Dinitro-2-methylphenol	mg/L	NA	NA	ND(0.20)	ND(0.10)	ND(1000)	ND(0.40)	ND(0.20)	ND(0.20)
2,4-Dinitrophenol	mg/L	NA	NA	ND(0.20)	ND(0.10)	ND(1000)	ND(0.40)	ND(0.20)	ND(0.20)

TABLE C.1

SUMMARY OF LEACHATE ANALYTICAL DATA
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

	Concentration Units	C [9] Secondary 11/2/89	C [10] Secondary 11/2/89	F039 Scan [11] 9/30/93	HBN [12]	HBN x 10 [13]	HBN x 12 [14]	HBN x 100 [15]
Semivolatiles Continued								
2-Chloronaphthalene	mg/L	ND(0.20)	ND(0.20)	ND(10)	NE	NE	NE	NE
2-Chlorophenol	mg/L	ND(0.20)	ND(0.20)	ND(10)	0.2	2	2.4	20
4-Chlorophenyl phenyl ether	mg/L	ND(0.20)	ND(0.20)	NA	NE	NE	NE	NE
Chrysene	mg/L	ND(0.20)	ND(0.20)	ND(10)	0.0002	0.002	0.0024	0.02
Dibenz(a,h)anthracene	mg/L	ND(0.20)	ND(0.20)	ND(10)	0.0003	0.003	0.0036	0.03
Dibenzo(a,e)pyrene	mg/L	NA	NA	ND(10)	NE	NE	NE	NE
Dibenzofuran	mg/L	ND(0.20)	ND(0.20)	NA	NE	NE	NE	NE
Di-n-butyl phthalate	mg/L	ND(0.20)	ND(0.20)	ND(10)	4	40	48	400
1,2-Dichlorobenzene	mg/L	ND(0.20)	ND(0.20)	ND(10)	0.6	6	7.2	60
1,3-Dichlorobenzene	mg/L	ND(0.20)	ND(0.20)	ND(10)	NE	NE	NE	NE
1,4-Dichlorobenzene	mg/L	ND(0.20)	ND(0.20)	ND(10)	0.075	0.75	0.9	7.5
3,3'-Dichlorobenzidine	mg/L	ND(0.40)	ND(0.40)	NA	0.00008	8E-04	0.00096	0.008
2,4-Dichlorophenol	mg/L	ND(0.20)	ND(0.20)	ND(10)	0.1	1	1.2	10
2,6-Dichlorophenol	mg/L	NA	NA	ND(10)	NE	NE	NE	NE
Diethyl phthalate	mg/L	ND(0.20)	ND(0.20)	ND(10)	30	300	360	3000
p-Dimethylaminobenzene	mg/L	NA	NA	NA	NE	NE	NE	NE
7,12-Dimethylbenz(a)anthracene	mg/L	NA	NA	NA	0.000001	1E-05	0.000012	0.0001
3,3'-Dimethylbenzidine	mg/L	NA	NA	NA	0.000004	4E-05	0.000048	0.0004
a,a-Dimethylphenylamine	mg/L	NA	NA	NA	NE	NE	NE	NE
2,4-Dimethylphenol	mg/L	ND(0.20)	ND(0.20)	ND(10)	0.7	7	8.4	70
Dimethyl phthalate	mg/L	ND(0.20)	ND(0.20)	NA	400	4,000	4800	40,000
1,4-Dinitrobenzene	mg/L	ND(1.0)	ND(1.0)	ND(50)	NE	NE	NE	NE
4,6-Dinitro-2-methylphenol	mg/L	ND(1.0)	ND(1.0)	ND(50)	NE	NE	NE	NE
2,4-Dinitrophenol	mg/L	ND(1.0)	ND(1.0)	ND(50)	0.07	0.7	0.84	7

TABLE C.1

SUMMARY OF LEACHATE ANALYTICAL DATA
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

	Concentration Units	*4/22/87* [1]	*1/30/89* [2]	*A-North* [3] *Primary 11/2/89*	*A-North* [4] *Secondary 11/2/89*	*B* [5] *Primary 11/2/89*	*B* [6] *Secondary 11/2/89*	*C* [7] *Primary 11/2/89*	*C* [8] *Primary 11/2/89*
Semivolatiles Continued									
2,4-Dinitrotoluene	mg/L	NA	NA	ND(0.04)	ND(0.02)	ND(0.20)	ND(0.08)	ND(0.04)	ND(0.04)
2,6-Dinitrotoluene	mg/L	NA	NA	ND(0.04)	ND(0.02)	ND(0.20)	ND(0.08)	ND(0.04)	ND(0.04)
Di-n-octyl phthalate	mg/L	NA	NA	ND(0.04)	ND(0.02)	ND(0.20)	ND(0.08)	ND(0.04)	ND(0.04)
Di-n-propylnitrosoamine	mg/L	NA	NA	ND(0.04)	ND(0.02)	ND(0.20)	ND(0.08)	ND(0.04)	ND(0.04)
Diphenylamine	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Diphenyl hydrazine	mg/L	NA	NA	ND(0.04)	ND(0.02)	ND(0.20)	ND(0.08)	ND(0.04)	ND(0.04)
Diphenyl nitrosamine	mg/L	NA	NA	ND(0.04)	ND(0.02)	ND(0.20)	ND(0.08)	ND(0.04)	ND(0.04)
bis(2-Ethylhexyl)phthalate	mg/L	NA	NA	ND(0.04)	ND(0.02)	ND(0.20)	ND(0.08)	ND(0.04)	ND(0.04)
Ethyl methanesulfonate	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	mg/L	NA	NA	ND(0.04)	ND(0.02)	ND(0.20)	ND(0.08)	ND(0.04)	ND(0.04)
Fluorene	mg/L	NA	NA	ND(0.04)	ND(0.02)	ND(0.20)	ND(0.08)	ND(0.04)	ND(0.04)
Hexachlorobenzene	mg/L	NA	NA	ND(0.04)	ND(0.02)	ND(0.20)	ND(0.08)	ND(0.04)	ND(0.04)
Hexachlorobutadiene	mg/L	NA	NA	ND(0.04)	ND(0.02)	ND(0.20)	ND(0.08)	ND(0.04)	ND(0.04)
Hexachlorocyclopentadiene	mg/L	NA	NA	ND(0.04)	ND(0.02)	ND(0.20)	ND(0.08)	ND(0.04)	ND(0.04)
Hexachloroethane	mg/L	NA	NA	ND(0.04)	ND(0.02)	ND(0.20)	ND(0.08)	ND(0.04)	ND(0.04)
Hexachlorophene	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloropropene	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	mg/L	NA	NA	ND(0.04)	ND(0.02)	ND(0.20)	ND(0.08)	ND(0.04)	ND(0.04)
Isophorone	mg/L	NA	NA	ND(0.04)	ND(0.02)	ND(0.20)	ND(0.08)	ND(0.04)	ND(0.04)
Isosafrole	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Methapyrilene	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
3-Methylcholanthrene	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
4,4-Methylene-bis-(2-chloroaniline)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA

TABLE C.1

SUMMARY OF LEACHATE ANALYTICAL DATA
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

	Concentration Units	C [9] Secondary 11/2/89	C [10] Secondary 11/2/89	F039 Scan [11] 9/30/93	HBN [12]	HBN x 10 [13]	HBN x 12 [14]	HBN x 100 [15]
Semivolatiles Continued								
2,4-Dinitrotoluene	mg/L	ND(0.20)	ND(0.20)	ND(10)	0.00005	5E-04	0.0006	0.005
2,6-Dinitrotoluene	mg/L	ND(0.20)	ND(0.20)	ND(10)	0.00005	5E-04	0.0006	0.005
Di-n-octyl phthalate	mg/L	ND(0.20)	ND(0.20)	ND(10)	0.7	7	8.4	70
Di-n-propylnitrosoamine	mg/L	ND(0.20)	ND(0.20)	ND(50)	5E-06	5E-05	0.00006	5E-04
Diphenylamine	mg/L	NA	NA	ND(10)	0.9	9	10.8	90
1,2-Diphenyl hydrazine	mg/L	ND(0.20)	ND(0.20)	ND(10)	0.00004	4E-04	0.00048	0.004
Diphenyl nitrosamine	mg/L	ND(0.20)	ND(0.20)	ND(10)	0.007	0.07	0.084	0.7
bis(2-Ethylhexyl)phthalate	mg/L	ND(0.20)	ND(0.20)	ND(10)	0.006	0.06	0.072	0.6
Ethyl methanesulfonate	mg/L	NA	NA	NA	0.000001	1E-05	0.000012	0.0001
Fluoranthene	mg/L	ND(0.20)	ND(0.20)	ND(10)	1	10	12	100
Fluorene	mg/L	ND(0.20)	ND(0.20)	ND(10)	1	10	12	100
Hexachlorobenzene	mg/L	ND(0.20)	ND(0.20)	ND(10)	0.001	0.01	0.012	0.1
Hexachlorobutadiene	mg/L	ND(0.20)	ND(0.20)	ND(10)	0.0004	0.004	0.0048	0.04
Hexachlorocyclopentadiene	mg/L	ND(0.20)	ND(0.20)	ND(10)	0.05	0.5	0.6	5
Hexachloroethane	mg/L	ND(0.20)	ND(0.20)	ND(10)	0.003	0.03	0.036	0.3
Hexachlorophene	mg/L	NA	NA	NA	0.01	0.1	0.12	1
Hexachloropropene	mg/L	NA	NA	ND(10)	NE	NE	NE	NE
Indeno(1,2,3-cd)pyrene	mg/L	ND(0.20)	ND(0.20)	ND(10)	0.0004	0.004	0.0048	0.04
Isophorone	mg/L	ND(0.20)	ND(0.20)	NA	0.009	0.09	0.108	0.9
Isosafrole	mg/L	NA	NA	ND(10)	NE	NE	NE	NE
Methapyrilene	mg/L	NA	NA	ND(10)	NE	NE	NE	NE
3-Methylcholanthrene	mg/L	NA	NA	ND(10)	0.000001	1E-05	0.000012	0.0001
4,4-Methylene-bis-(2-chloroaniline)	mg/L	NA	NA	ND(10)	NE	NE	NE	NE

TABLE C.1

SUMMARY OF LEACHATE ANALYTICAL DATA
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

Semivolatiles Continued	*Concentration Units*	*4/22/87* [1]	*1/30/89* [2]	*A-North* [3] *Primary 11/2/89*	*A-North* [4] *Secondary 11/2/89*	*B* [5] *Primary 11/2/89*	*B* [6] *Secondary 11/2/89*	*C* [7] *Primary 11/2/89*	*C* [8] *Primary 11/2/89*
Methyl methanesulfonate	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	mg/L	NA	NA	ND(0.04)	ND(0.02)	ND(0.20)	ND(0.08)	ND(0.04)	ND(0.04)
2-Methylphenol	mg/L	NA	NA	ND(0.04)	0.11	ND(0.20)	ND(0.08)	ND(0.04)	ND(0.04)
4-Methylphenol	mg/L	NA	NA	7.2	1.7	14	7.4	ND(0.04)	ND(0.04)
Naphthalene	mg/L	NA	NA	ND(0.04)	ND(0.02)	ND(0.20)	ND(0.08)	ND(0.04)	ND(0.04)
1,4-Naphthoquinone	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
1-Naphthylamine	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
2-Naphthylamine	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitroaniline	mg/L	NA	NA	ND(0.20)	ND(0.10)	ND(1.0)	ND(0.40)	ND(0.20)	ND(0.20)
3-Nitroaniline	mg/L	NA	NA	ND(0.20)	ND(0.10)	ND(1.0)	ND(0.40)	ND(0.20)	ND(0.20)
4-Nitroaniline	mg/L	NA	NA	ND(0.20)	ND(0.10)	ND(1.0)	ND(0.40)	ND(0.20)	ND(0.20)
Nitrobenzene	mg/L	NA	NA	ND(0.04)	ND(0.02)	ND(0.20)	ND(0.08)	ND(0.04)	ND(0.04)
2-Nitrophenol	mg/L	NA	NA	ND(0.04)	ND(0.02)	ND(0.20)	ND(0.08)	ND(0.04)	ND(0.04)
4-Nitrophenol	mg/L	NA	NA	ND(0.20)	ND(0.10)	ND(1.0)	ND(0.40)	ND(0.20)	ND(0.20)
4-Nitroquinoline-1-oxide	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitroso-di-n-butylamine	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodiethylamine	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodimethylamine	mg/L	NA	NA	ND(0.04)	ND(0.02)	ND(0.20)	ND(0.08)	ND(0.04)	ND(0.04)
N-Nitrosomethylethylamine	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosomorpholine	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosopiperidine	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosopyrrolidine	mg/L	NA	NA	NA	NA	NA	NA	NA	NA

TABLE C.1

SUMMARY OF LEACHATE ANALYTICAL DATA
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

	Concentration Units	C [9] Secondary 11/2/89	C [10] Secondary 11/2/89	F039 Scan [11] 9/30/93	HBN [12]	HBN x 10 [13]	HBN x 12 [14]	HBN x 100 [15]
Semivolatiles Continued								
Methyl methanesulfonate	mg/L	NA	NA	ND(10)	NE	NE	NE	NE
2-Methylnaphthalene	mg/L	ND(0.20)	ND(0.20)	NA	NE	NE	NE	NE
2-Methylphenol	mg/L	ND(0.20)	ND(0.20)	ND(10)	2	20	24	200
4-Methylphenol	mg/L	ND(0.20)	ND(0.20)	11	2	20	24	200
Naphthalene	mg/L	ND(0.20)	ND(0.20)	ND(10)	1	10	12	100
1,4-Naphthoquinone	mg/L	NA	NA	NA	NE	NE	NE	NE
1-Naphthylamine	mg/L	NA	NA	NA	NE	NE	NE	NE
2-Naphthylamine	mg/L	NA	NA	ND(10)	0.00004	4E-04	0.00048	0.004
2-Nitroaniline	mg/L	ND(1.0)	ND(1.0)	NA	NE	NE	NE	NE
3-Nitroaniline	mg/L	ND(1.0)	ND(1.0)	NA	NE	NE	NE	NE
4-Nitroaniline	mg/L	ND(1.0)	ND(1.0)	ND(50)	NE	NE	NE	NE
Nitrobenzene	mg/L	ND(0.20)	ND(0.20)	ND(10)	0.02	0.2	0.24	2
2-Nitrophenol	mg/L	ND(0.20)	ND(0.20)	NA	NE	NE	NE	NE
4-Nitrophenol	mg/L	ND(1.0)	ND(1.0)	ND(50)	NE	NE	NE	NE
4-Nitroquinoline-1-oxide	mg/L	NA	NA	NA	NE	NE	NE	NE
N-Nitroso-di-n-butylamine	mg/L	NA	NA	ND(10)	0.00006	6E-04	0.00072	0.006
N-Nitrosodiethylamine	mg/L	NA	NA	ND(10)	0.0000002	2E-06	0.0000024	0.00002
N-Nitrosodimethylamine	mg/L	ND(0.20)	ND(0.20)	ND(10)	0.0000007	7E-06	0.0000084	0.00007
N-Nitrosomethylethylamine	mg/L	NA	NA	ND(10)	0.000002	2E-05	0.000024	0.0002
N-Nitrosomorpholine	mg/L	NA	NA	ND(10)	NE	NE	NE	NE
N-Nitrosopiperidine	mg/L	NA	NA	ND(10)	0.000008	8E-05	0.000096	0.0008
N-Nitrosopyrrolidine	mg/L	NA	NA	ND(10)	0.00002	2E-04	0.00024	0.002

TABLE C.1

SUMMARY OF LEACHATE ANALYTICAL DATA
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

Semivolatiles Continued	*Concentration Units*	*4/22/87* [1]	*1/30/89* [2]	*A-North* [3] *Primary 11/2/89*	*A-North* [4] *Secondary 11/2/89*	*B* [5] *Primary 11/2/89*	*B* [6] *Secondary 11/2/89*	*C* [7] *Primary 11/2/89*	*C* [8] *Primary 11/2/89*
5-Nitro-o-toluidine	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobenzene	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Pentachloroethane	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Pentachloronitrobenzene	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorophenol	mg/L	NA	NA	ND(0.20)	ND(0.10)	ND(1.0)	ND(0.40)	ND(0.20)	ND(0.20)
Phenacetin	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	mg/L	NA	NA	ND(0.04)	ND(0.02)	ND(0.20)	ND(0.08)	0.027J	ND(0.04)
Phenol	mg/L	NA	NA	45	3.1	137	32	ND(0.04)	ND(0.04)
4-Phenylenediamine	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Phthalic anhydride	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
2-Picoline	mg/L	NA	NA	ND(0.20)	ND(0.10)	ND(1.0)	ND(0.40)	ND(0.20)	ND(0.20)
Pronamide	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	mg/L	NA	NA	ND(0.04)	ND(0.02)	ND(0.20)	ND(0.08)	ND(0.04)	ND(0.04)
Pyridine	mg/L	NA	NA	ND(0.04)	ND(0.02)	ND(0.20)	ND(0.08)	ND(0.04)	ND(0.04)
Safrole	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4-Tetrachlorobenzene	mg/L	NA	NA	ND(0.04)	ND(0.02)	ND(0.20)	ND(0.08)	ND(0.04)	ND(0.04)
1,2,4,5-Tetrachlorobenzene	mg/L	NA	NA	ND(0.04)	ND(0.02)	ND(0.20)	ND(0.08)	ND(0.04)	ND(0.04)
2,3,4,6-Tetrachlorophenol	mg/L	NA	NA	ND(0.20)	ND(0.10)	ND(1.0)	ND(0.40)	ND(0.20)	ND(0.20)
Toluenediamine	mg/L	NA	NA	ND(0.20)	ND(0.10)	ND(1.0)	ND(0.40)	ND(0.20)	ND(0.20)
2-Toluidine	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	mg/L	NA	NA	ND(0.04)	ND(0.02)	ND(0.20)	ND(0.08)	ND(0.04)	ND(0.04)
2,4,5-Trichlorophenol	mg/L	NA	NA	ND(0.20)	ND(0.10)	ND(1.0)	ND(0.40)	ND(0.20)	ND(0.20)
2,4,6-Trichlorophenol	mg/L	NA	NA	ND(0.04)	ND(0.02)	ND(0.20)	ND(0.08)	ND(0.04)	ND(0.04)
1,3,5-Trinitrobenzene	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Tris(2,3-dibromopropyl)phosphate	mg/L	NA	NA	NA	NA	NA	NA	NA	NA

TABLE C.1

SUMMARY OF LEACHATE ANALYTICAL DATA
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

	Concentration Units	C [9] Secondary 11/2/89	C [10] Secondary 11/2/89	F039 Scan [11] 9/30/93	HBN [12]	HBN x 10 [13]	HBN x 12 [14]	HBN x 100 [15]
Semivolatiles Continued								
5-Nitro-o-toluidine	mg/L	NA	NA	ND(10)	NE	NE	NE	NE
Pentachlorobenzene	mg/L	NA	NA	ND(10)	0.03	0.3	0.36	3
Pentachloroethane	mg/L	NA	NA	NA	NE	NE	NE	NE
Pentachloronitrobenzene	mg/L	NA	NA	ND(10)	0.0001	0.001	0.0012	0.01
Pentachlorophenol	mg/L	ND(1.0)	ND(1.0)	ND(50)	0.001	0.01	0.012	0.1
Phenacetin	mg/L	NA	NA	ND(10)	NE	NE	NE	NE
Phenanthrene	mg/L	ND(0.20)	ND(0.20)	ND(10)	NE	NE	NE	NE
Phenol	mg/L	ND(0.20)	ND(0.20)	87	20 [20]	200 [20]	240	2000 [20]
4-Phenylenediamine	mg/L	NA	NA	ND(20)	0.0007	0.007	0.0084	0.07
Phthalic anhydride	mg/L	NA	NA	ND(20)	70 [20]	700 [20]	840 [20]	7000 [20]
2-Picoline	mg/L	ND(1.0)	ND(1.0)	NA	NE	NE	NE	NE
Pronamide	mg/L	NA	NA	ND(10)	3	30	36	300
Pyrene	mg/L	ND(0.20)	ND(0.20)	ND(10)	1	10	12	100
Pyridine	mg/L	ND(0.20)	ND(0.20)	ND(50)	0.04	0.4	0.48	4
Safrole	mg/L	NA	NA	ND(10)	0.0002	0.002	0.0024	0.02
1,2,3,4-Tetrachlorobenzene	mg/L	ND(0.20)	ND(0.20)	NA	NE	NE	NE	NE
1,2,4,5-Tetrachlorobenzene	mg/L	ND(0.20)	ND(0.20)	ND(10)	0.01	0.1	0.12	1
2,3,4,6-Tetrachlorophenol	mg/L	ND(1.0)	ND(1.0)	ND(10)	1 [22]	10 [22]	12 [22]	100 [22]
Toluenediamine	mg/L	ND(1.0)	ND(1.0)	NA	1E-5/7	1E-4/70	1.2E-4/84	IE-3/700
2-Toluidine	mg/L	NA	NA	NA	0.0001	0.001	0.0012	0.01
1,2,4-Trichlorobenzene	mg/L	ND(0.20)	ND(0.20)	ND(10)	0.07	0.7	0.84	7
2,4,5-Trichlorophenol	mg/L	ND(1.0)	ND(1.0)	ND(10)	4	40	48	400
2,4,6-Trichlorophenol	mg/L	ND(0.20)	ND(0.20)	ND(10)	0.003	0.03	0.036	0.3
1,3,5-Trinitrobenzene	mg/L	NA	NA	NA	0.002	0.02	0.024	0.2
Tris(2,3-dibromopropyl)phosphate	mg/L	NA	NA	NA	0.00003	3E-04	0.00036	0.003

TABLE C.1

SUMMARY OF LEACHATE ANALYTICAL DATA
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

Pesticides/PCBs	*Concentration Units*	*4/22/87* [1]	*1/30/89* [2]	*A-North* [3] *Primary 11/2/89*	*A-North* [4] *Secondary 11/2/89*	*B* [5] *Primary 11/2/89*	*B* [6] *Secondary 11/2/89*	*C* [7] *Primary 11/2/89*	*C* [8] *Primary 11/2/89*
Aldrin	mg/L	NA	NA	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Aroclor 1016	mg/L	NA	NA	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1221	mg/L	NA	NA	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1232	mg/L	NA	NA	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1242	mg/L	NA	NA	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1248	mg/L	NA	NA	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1254	mg/L	NA	NA	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Aroclor 1260	mg/L	NA	NA	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
alpha-BHC	mg/L	NA	NA	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
beta-BHC	mg/L	NA	NA	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
delta-BHC	mg/L	NA	NA	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
gamma-BHC (Lindane)	mg/L	NA	NA	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
alpha-Chlordane	mg/L	NA	NA	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
gamma-Chlordane	mg/L	NA	NA	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
2,4'-DDD	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDD	mg/L	NA	NA	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
2,4'-DDE	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	mg/L	NA	NA	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
2,4'-DDT	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	mg/L	NA	NA	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Dieldrin	mg/L	NA	NA	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Endosulfan I	mg/L	NA	NA	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Endosulfan II	mg/L	NA	NA	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Endosulfan sulfate	mg/L	NA	NA	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)

TABLE C.1

SUMMARY OF LEACHATE ANALYTICAL DATA
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

Pesticides/PCBs	*Concentration Units*	*C* [9] *Secondary 11/2/89*	*C* [10] *Secondary 11/2/89*	*F039 Scan* [11] *9/30/93*	*HBN* [12]	*HBN x 10* [13]	*HBN x 12* [14]	*HBN x 100* [15]
Aldrin	mg/L	ND(0.005)	ND(0.005)	0.0028	0.000002	2E-05	0.000024	0.0002
Aroclor 1016	mg/L	ND(0.05)	ND(0.05)	ND(0.005)	0.0005	0.005	0.006	0.05
Aroclor 1221	mg/L	ND(0.05)	ND(0.05)	ND(0.005)	0.0005	0.005	0.006	0.05
Aroclor 1232	mg/L	ND(0.05)	ND(0.05)	ND(0.005)	0.0005	0.005	0.006	0.05
Aroclor 1242	mg/L	ND(0.05)	ND(0.05)	ND(0.005)	0.0005	0.005	0.006	0.05
Aroclor 1248	mg/L	ND(0.05)	ND(0.05)	ND(0.005)	0.0005	0.005	0.006	0.05
Aroclor 1254	mg/L	ND(0.10)	ND(0.10)	ND(0.01)	0.0005	0.005	0.006	0.05
Aroclor 1260	mg/L	ND(0.10)	ND(0.10)	ND(0.01)	0.0005	0.005	0.006	0.05
alpha-BHC	mg/L	ND(0.005)	ND(0.005)	ND(0.0005)	0.000005	5E-05	0.00006	0.0005
beta-BHC	mg/L	ND(0.005)	ND(0.005)	ND(0.0005)	0.00002	2E-04	0.00024	0.002
delta-BHC	mg/L	ND(0.005)	ND(0.005)	ND(0.0005)	NE	NE	NE	NE
gamma-BHC (Lindane)	mg/L	ND(0.005)	ND(0.005)	ND(0.0005)	0.0002	0.002	0.0024	0.02
alpha-Chlordane	mg/L	ND(0.05)	ND(0.05)	ND(0.005)	0.002	0.02	0.024	0.2
gamma-Chlordane	mg/L	ND(0.05)	ND(0.05)	ND(0.005)	0.002	0.02	0.024	0.2
2,4'-DDD	mg/L	NA	NA	ND(0.001)	NE	NE	NE	NE
4,4'-DDD	mg/L	ND(0.01)	ND(0.01)	ND(0.001)	0.0001	0.001	0.0012	0.01
2,4'-DDE	mg/L	NA	NA	ND(0.001)	NE	NE	NE	NE
4,4'-DDE	mg/L	ND(0.01)	ND(0.01)	ND(0.001)	0.0001	0.001	0.0012	0.01
2,4'-DDT	mg/L	NA	NA	ND(0.001)	NE	NE	NE	NE
4,4'-DDT	mg/L	ND(0.01)	ND(0.01)	0.0013	0.0001	0.001	0.0012	0.01
Dieldrin	mg/L	ND(0.01)	ND(0.01)	ND(0.001)	0.000002	2E-05	0.000024	0.0002
Endosulfan I	mg/L	ND(0.005)	ND(0.005)	ND(0.0005)	0.002	0.02	0.024	0.2
Endosulfan II	mg/L	ND(0.01)	ND(0.01)	ND(0.001)	0.002	0.02	0.024	0.2
Endosulfan sulfate	mg/L	ND(0.01)	ND(0.01)	ND(0.001)	NE	NE	NE	NE

TABLE C.1

SUMMARY OF LEACHATE ANALYTICAL DATA
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

	Concentration Units	4/22/87 [1]	1/30/89 [2]	A-North [3] Primary 11/2/89	A-North [4] Secondary 11/2/89	B [5] Primary 11/2/89	B [6] Secondary 11/2/89	C [7] Primary 11/2/89	C [8] Primary 11/2/89
Pesticides/PCBs Continued									
Endrin	mg/L	NA	NA	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Endrin aldehyde	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Endrin ketone	mg/L	NA	NA	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Heptachlor	mg/L	NA	NA	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Heptachlor epoxide	mg/L	NA	NA	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Isodrin	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Kepone	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Methoxychlor	mg/L	NA	NA	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Toxaphene	mg/L	NA	NA	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Organophosphorus Pesticides									
Dimethoate	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Disulfoton	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Famphur	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
O,O,O-Triethylphosphorothioate	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Parathion	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Methyl parathion	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Phorate (Thimet)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Sulfotepp	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Thionazin	mg/L	NA	NA	NA	NA	NA	NA	NA	NA

TABLE C.1

SUMMARY OF LEACHATE ANALYTICAL DATA
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

	Concentration Units	C [9] Secondary 11/2/89	C [10] Secondary 11/2/89	F039 Scan [11] 9/30/93	HBN [12]	HBN x 10 [13]	HBN x 12 [14]	HBN x 100 [15]
Pesticides/PCBs Continued								
Endrin	mg/L	ND(0.01)	ND(0.01)	ND(0.001)	0.002	0.02	0.024	0.2
Endrin aldehyde	mg/L	NA	NA	ND(0.001)	NE	NE	NE	NE
Endrin ketone	mg/L	ND(0.01)	ND(0.01)	ND(0.001)	NE	NE	NE	NE
Heptachlor	mg/L	ND(0.005)	ND(0.005)	0.0015	0.0004	0.004	0.0048	0.04
Heptachlor epoxide	mg/L	ND(0.005)	ND(0.005)	ND(0.0005)	0.0002	0.002	0.0024	0.02
Isodrin	mg/L	NA	NA	ND(10)	NE	NE	NE	NE
Kepone	mg/L	NA	NA	ND(10)	0.000002	2E-05	0.000024	0.0002
Methoxychlor	mg/L	ND(0.05)	ND(0.05)	ND(0.005)	0.04	0.4	0.48	4
Toxaphene	mg/L	ND(0.10)	ND(0.10)	ND(0.01)	0.003	0.03	0.036	0.3
Organophosphorus Pesticides								
Dimethoate	mg/L	NA	NA	NA	0.007	0.07	0.084	0.7
Disulfoton	mg/L	NA	NA	ND(10)	0.001	0.01	0.012	0.1
Famphur	mg/L	NA	NA	ND(10)	0.001	0.01	0.012	0.1
O,O,O-Triethylphosphorothioate	mg/L	NA	NA	NA	NE	NE	NE	NE
Parathion	mg/L	NA	NA	ND(10)	0.2	2	2.4	20
Methyl parathion	mg/L	NA	NA	ND(10)	0.009	0.09	0.108	0.9
Phorate (Thimet)	mg/L	NA	NA	ND(10)	0.007	0.07	0.084	0.7
Sulfotepp	mg/L	NA	NA	NA	NE	NE	NE	NE
Thionazin	mg/L	NA	NA	NA	NE	NE	NE	NE

TABLE C.1

SUMMARY OF LEACHATE ANALYTICAL DATA
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

	Concentration Units	*4/22/87* [1]	*1/30/89* [2]	*A-North* [3] *Primary 11/2/89*	*A-North* [4] *Secondary 11/2/89*	*B* [5] *Primary 11/2/89*	*B* [6] *Secondary 11/2/89*	*C* [7] *Primary 11/2/89*	*C* [8] *Primary 11/2/89*
Chlorinated Herbicides									
2,4-D	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-T	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TP (Silvex)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Dinoseb (2-sec-Butyl-4,6-dinitrophenol)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
PCDD/PCDF									
Tetrachlorodibenzodioxins	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorodibenzodioxins	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorodibenzodioxins	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorodibenzodioxins	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Octachlorodibenzodioxins	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorodibenzofurans	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorodibenzofurans	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorodibenzofurans	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorodibenzofurans	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Octachlorodibenzofurans	mg/L	NA	NA	NA	NA	NA	NA	NA	NA

TABLE C.1

SUMMARY OF LEACHATE ANALYTICAL DATA
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

	Concentration Units	C [9] Secondary 11/2/89	C [10] Secondary 11/2/89	F039 Scan [11] 9/30/93	HBN [12]	HBN x 10 [13]	HBN x 12 [14]	HBN x 100 [15]
Chlorinated Herbicides								
2,4-D	mg/L	NA	NA	ND(0.10)	0.07	0.7	0.84	7
2,4,5-T	mg/L	NA	NA	ND(0.50)	0.4	4	4.8	40
2,4,5-TP (Silvex)	mg/L	NA	NA	ND(0.50)	0.05	0.5	0.6	5
Dinoseb (2-sec-Butyl-4,6-dinitrophenol)	mg/L	NA	NA	ND(10)	0.007	0.07	0.084	0.7
PCDD/PCDF								
Tetrachlorodibenzodioxins	mg/L	NA	NA	ND(0.00074)	0.00000005 [20]	5E-07 [20]	0.0000006 [20]	0.000005 [20]
Pentachlorodibenzodioxins	mg/L	NA	NA	ND(0.0013)	4E-10 [20]	4E-09 [20]	4.8E-09 [20]	0.0000000 [20]
Hexachlorodibenzodioxins	mg/L	NA	NA	ND(0.0022)	2E-09 [20]	2E-08 [20]	2.4E-08 [20]	0.0000002 [20]
Heptachlorodibenzodioxins	mg/L	NA	NA	ND(0.0022)	0.00000002 [20]	2E-07 [20]	0.00000024 [20]	0.000002 [20]
Octachlorodibenzodioxins	mg/L	NA	NA	ND(0.0036)	0.0000002 [20]	2E-06 [20]	0.0000024 [20]	0.00002 [20]
Tetrachlorodibenzofurans	mg/L	NA	NA	ND(0.00062)	2E-09 [20]	2E-08 [20]	2.4E-08 [20]	0.0000002 [20]
Pentachlorodibenzofurans	mg/L	NA	NA	ND(0.00089)	4E-10 [20]	4E-09 [20]	4.8E-09 [20]	4E-08 [20]
Hexachlorodibenzofurans	mg/L	NA	NA	ND(0.0021)	2E-09 [20]	2E-08 [20]	2.4E-08 [20]	0.0000002 [20]
Heptachlorodibenzofurans	mg/L	NA	NA	ND(0.0021)	0.0000000 [20]	2E-07 [20]	0.00000024 [20]	0.000002 [20]
Octachlorodibenzofurans	mg/L	NA	NA	ND(0.0020)	0.0000002 [20]	2E-06 [20]	0.0000024 [20]	0.00002 [20]

TABLE C.1

SUMMARY OF LEACHATE ANALYTICAL DATA
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

Inorganics	*Concentration Units*	*4/22/87* [1]	*1/30/89* [2]	*A-North* [3] *Primary 11/2/89*	*A-North* [4] *Secondary 11/2/89*	*B* [5] *Primary 11/2/89*	*B* [6] *Secondary 11/2/89*	*C* [7] *Primary 11/2/89*	*C* [8] *Primary 11/2/89*
Antimony	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Barium	mg/L	0.06	NA	2.8	0.30	1.9	0.66	1.1	1.1
Beryllium	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	mg/L	0.025	NA	ND(0.5)	ND(0.005)	ND(0.5)	ND(0.005)	ND(0.005)	ND(0.005)
Calcium	mg/L	360	NA	NA	NA	NA	NA	NA	NA
Chromium	mg/L	0.036	NA	0.59	0.04	0.04	0.20	0.07	0.07
Cobalt	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Copper	mg/L	0.77	NA	NA	NA	NA	NA	NA	NA
Iron	mg/L	NA	NA	420	24	61	9.6	7.7	7.3
Manganese	mg/L	NA	NA	23	1.9	6.7	5.7	14	13
Nickel	mg/L	0.18	NA	4.9	0.28	1.8	1.0	2.4	2.4
Silver	mg/L	ND(0.01)	NA	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Sodium	mg/L	NA	NA	5,600	2,000	6,700	5,200	2,900	2,900
Tin	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	mg/L	0.49	NA	NA	NA	NA	NA	NA	NA
Arsenic	mg/L	0.023	NA	0.18	ND(0.020)	0.24	0.065	0.070	ND(0.10)
Lead	mg/L	0.23	NA	0.53	ND(0.010)	ND(0.010)	ND(0.025)	ND(0.020)	ND(0.020)
Thallium	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	mg/L	0.014	NA	0.22	ND(0.010)	ND(0.10)	ND(0.020)	ND(0.0550)	ND(0.020)
Mercury	mg/L	ND(0.0005)	NA	ND(0.0002)	ND(0.0002)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0002)
Cyanide	mg/L	0.48	NA	0.02	ND(0.01)	0.18	0.02	ND(0.01)	0.08

TABLE C.1

SUMMARY OF LEACHATE ANALYTICAL DATA
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

Inorganics	*Concentration Units*	*C* [9] *Secondary 11/2/89*	*C* [10] *Secondary 11/2/89*	*F039 Scan* [11] *9/30/93*	*HBN* [12]	*HBN x 10* [13]	*HBN x 12* [14]	*HBN x 100* [15]
Antimony	mg/L	NA	NA	ND(0.030)	0.006	0.06	0.072	0.6
Barium	mg/L	2.5	2.6	0.67	2	20	24	200
Beryllium	mg/L	NA	NA	ND(0.0050)	0.004	0.04	0.048	0.4
Cadmium	mg/L	ND(0.5)	ND(0.5)	ND(0.0050)	0.005	0.05	0.06	0.5
Calcium	mg/L	NA	NA	NA	NE	NE	NE	NE
Chromium	mg/L	0.17	0.17	0.026	0.1	1	1.2	10
Cobalt	mg/L	NA	NA	NA	NE	NE	NE	NE
Copper	mg/L	NA	NA	0.026	NE	NE	NE	NE
Iron	mg/L	75	78	NA	NE	NE	NE	NE
Manganese	mg/L	17	18	NA	NE	NE	NE	NE
Nickel	mg/L	10	11	2.4	0.1	1	1.2	10
Silver	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	0.2	2	2.4	20
Sodium	mg/L	6,000	6,000	NA	NE	NE	NE	NE
Tin	mg/L	NA	NA	NA	NE	NE	NE	NE
Vanadium	mg/L	NA	NA	0.061	0.2	2	2.4	20
Zinc	mg/L	NA	NA	0.067	7	70	84	700
Arsenic	mg/L	0.14	0.061	0.11	0.05	0.5	0.6	5
Lead	mg/L	ND(0.040)	ND(0.020)	0.094	0.015	0.15	0.18	1.5
Thallium	mg/L	NA	NA	ND(0.30)	0.002	0.02	0.024	0.2
Selenium	mg/L	ND(0.110)	ND(0.110)	0.15	0.05	0.5	0.6	5
Mercury	mg/L	ND(0.0020)	ND(0.0020)	ND(0.00050)	0.002	0.02	0.024	0.2
Cyanide	mg/L	0.08	0.11	0.21	0.2	2	2.4	20

TABLE C.1

SUMMARY OF LEACHATE ANALYTICAL DATA
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

Inorganics Continued	*Concentration Units*	*4/22/87* [1]	*1/30/89* [2]	*A-North* [3] *Primary 11/2/89*	*A-North* [4] *Secondary 11/2/89*	*B* [5] *Primary 11/2/89*	*B* [6] *Secondary 11/2/89*	*C* [7] *Primary 11/2/89*	*C* [8] *Primary 11/2/89*
TDS	mg/L	4,600	22,000	24,000	9,800	33,000	9,400	18,000	17,000
TS	mg/L	NA	34,000	26,000	9,900	37,000	26,000	18,000	18,000
Oil and Grease	mg/L	8	NA	NA	NA	NA	NA	NA	NA
pH	su	8.3	7.1	7.3	7.3	6.5	7.2	7.0	7.1
Alkalinity	mg/L	600	NA	NA	NA	NA	NA	NA	NA
Phenols	mg/L	35	NA	68	8.5	200	60	73	71
TOC	mg/L	NA	5,100	3,500	1,600	8,500	4,800	260	4,400
TOX	mg/L	NA	0.34	3.4	9.6	4.2	4.5	3.3	2.4
Specific Conductance	µmhos/cm	NA	>20,000	29,000	15,000	38,000	32,000	21,000	21,000
Fluoride	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Chloride	mg/L	1,500	13,000	8,800	4,300	12,000	9,000	5,300	5,300
Sulfate	mg/L	500	590	500	ND(25)	410	410	60	60
Sulfide	mg/L	ND(0.1)	NA	ND(8)	ND(8)	ND(8)	ND(8)	ND(8)	ND(8)

TABLE C.1

SUMMARY OF LEACHATE ANALYTICAL DATA
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

Inorganics Continued	*Concentration Units*	*C* [9] *Secondary 11/2/89*	*C* [10] *Secondary 11/2/89*	*F039 Scan* [11] *9/30/93*	*HBN* [12]	*HBN x 10* [13]	*HBN x 12* [14]	*HBN x 100* [15]
TDS	mg/L	37,000	37,000	NA	NE	NE	NE	NE
TS	mg/L	43,000	42,000	NA	NE	NE	NE	NE
Oil and Grease	mg/L	NA	NA	NA	NE	NE	NE	NE
pH	su	6.5	6.4	NA	NE	NE	NE	NE
Alkalinity	mg/L	NA	NA	NA	NE	NE	NE	NE
Phenols	mg/L	240	250	NA	NE	NE	NE	NE
TOC	mg/L	12,000	12,000	NA	NE	NE	NE	NE
TOX	mg/L	7.1	1.9	NA	NE	NE	NE	NE
Specific Conductance	µmhos/cm	38,000	40,000	NA	NE	NE	NE	NE
Fluoride	mg/L	NA	NA	1.4	4	40	48	400
Chloride	mg/L	11,000	11,000	NA	NE	NE	NE	NE
Sulfate	mg/L	720	590	NA	NE	NE	NE	NE
Sulfide	mg/L	ND(8)	ND(8)	8.4	NE	NE	NE	NE

TABLE C.1

SUMMARY OF LEACHATE ANALYTICAL DATA
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

	Concentration Units	*4/22/87* [1]	*1/30/89* [2]	*A-North* [3] *Primary 11/2/89*	*A-North* [4] *Secondary 11/2/89*	*B* [5] *Primary 11/2/89*	*B* [6] *Secondary 11/2/89*	*C* [7] *Primary 11/2/89*	*C* [8] *Primary 11/2/89*

Notes:

1 Sample collected from the leachate storage tanks on 4/22/87 by EWC. Data contained in document entitled, "Four County Landfill Leachate Treatment at POTW", Meeeting of City of Kokomo and Indiana Department of Environmental Management (IDEM), June 15, 1992 (POTW Document).
2 Sample collected as a composite from three leachate storage tanks on 1/30/89 by EWC. Data contained in POTW Document.
3 Sample collected from the primary leachate system in the A-North Cell on 11/2/89 by IDEM. Data contained in document entitled, "Analysis of Primary Liners at Four County Landfill", Indiana Department of Environmental Management, January 24, 1990 (IDEM Document).
4 Sample collected from the secondary leachate system in the A-North Cell on 11/2/89. Data contained in IDEM Document.
5 Sample collected from the primary leachate system in the B Cell on 11/2/89. Data contained in IDEM Document.
6 Sample collected from the secondary leachate system in the B Cell on 11/2/89. Data contained in IDEM Document.
7 Sample collected from the primary leachate system in the C Cell on 11/2/89. Data contained in IDEM Document.
8 Sample collected from the primary leachate system in the C Cell on 11/2/89. Data contained in IDEM Document.
9 Sample collected from the secondary leachate system in the C Cell on 11/2/89. Data contained in IDEM Document.
10 Sample collected from the secondary leachate system in the C Cell on 11/2/89. Data contained in IDEM Document.
11 Sample collected on 9/30/93 by Conestoga-Rovers & Associates for analysis of F039 parameters.
12 U.S. EPA health based concentration numbers presented in the "Docket Report on Health-Based Levels and Solubilities Used in the Evaluation of Delisting Petitions, Submitted Under 40 CFR 260.20 and 260.22", July 1992 (Docket).
13 U.S. EPA health based concentration numbers presented in the Docket with dilution attenuation factor (DAF) of 10.
14 U.S. EPA health based concentration numbers presented in the Docket with DAF of 12.
15 U.S. EPA health based concentration numbers presented in the Docket with a DAF of 100.
16 *- Concentration exceeded health based number; **- Concentration exceeded health based number x 10; ***- Concentration exceeded health based number x 100
17 Not detected at quantitation limit stated in parantheses.
18 Not analyzed
19 Estimated quantity

TABLE C.1

SUMMARY OF LEACHATE ANALYTICAL DATA
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

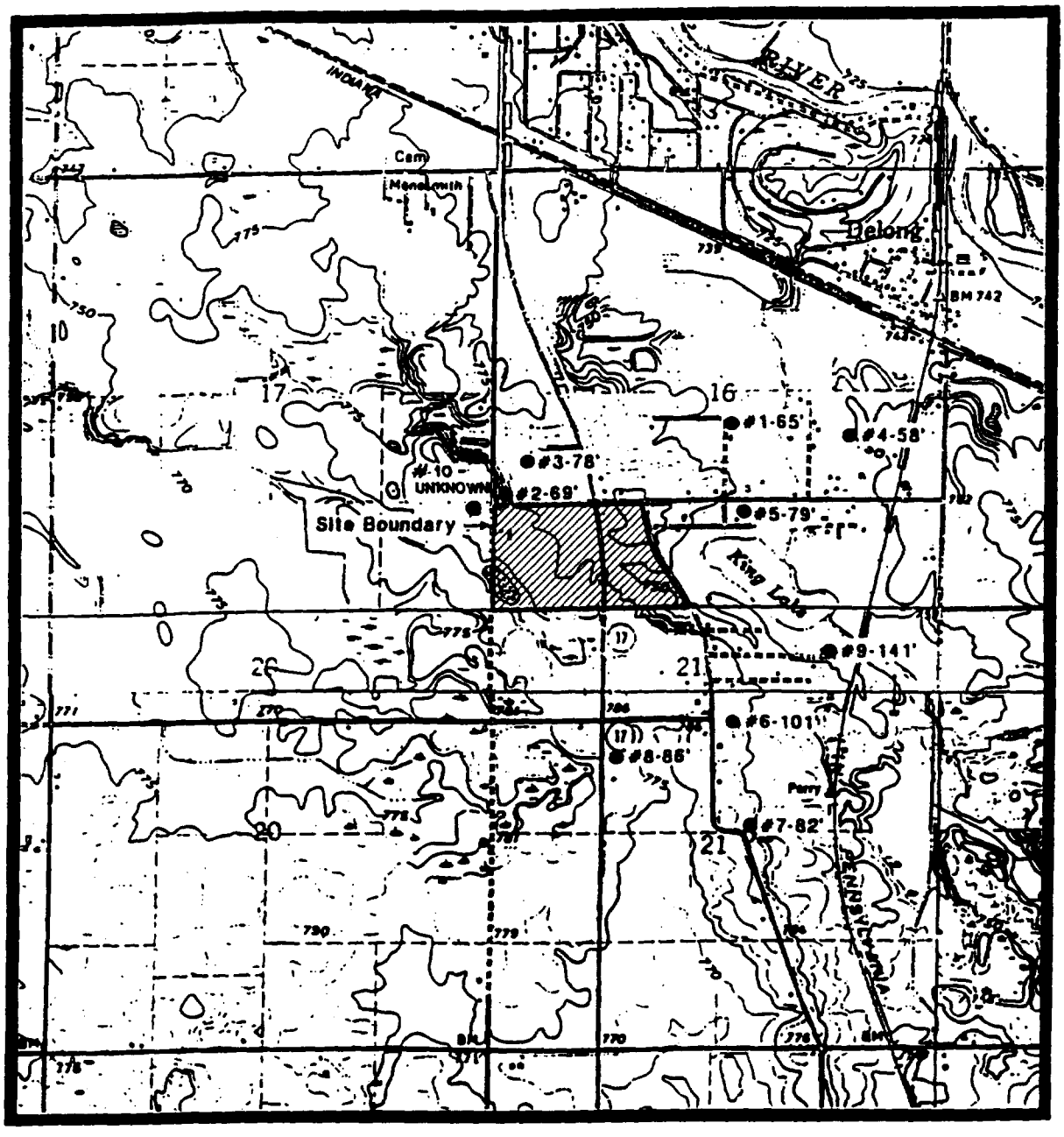
	Concentration Units	*C* [9] *Secondary 11/2/89*	*C* [10] *Secondary 11/2/89*	*F039 Scan* [11] *9/30/93*	*HBN* [12]	*HBN x 10* [13]	*HBN x 12* [14]	*HBN x 100* [15]

Notes Continued:

[20] Health based number derived from the Hazardous Waste Identification Proposed Rule published in The Federal Register, Vol. 57, No. 98, May 20, 1992.
[21] cis/trans isomer limits
[22] 2,4 isomer/2,6 isomer

APPENDIX D

PRIVATE WELL LOGS



#1-65' ● RESIDENTIAL WELL, IDENTIFIER AND APPROXIMATE DEPTH

0 1/4 1/2 mile

SOURCE: MODIFICATION OF THE GEOSCIENCES RESEARCH ASSOCIATES, INC. CAP TASK 1 (12/7/89), FIGURE 3.

figure 1

APPROXIMATE PRIVATE WATER WELL LOCATIONS WITHIN 0.5 MILE
FOUR COUNTY LANDFILL SITE
Fulton County, Indiana

CRA

INDIANA GEOLOGICAL SURVEY
DEPARTMENT OF NATURAL RESOURCES
611 NORTH WALNUT GROVE
BLOOMINGTON, INDIANA 47405

87-38

87-38 Gamma Ray (1)

Widco* WELL LOG

WELL MRS. EDWARDS home
LOCATION NW, NW, SE SEC. 16 T. 31 N., R. 1 E.

COMPANY MONTGOMERY
AREA KING'S LAKE AREA CULVER QUAD
WELL MRS. EDWARDS HOME
COUNTY FULTON STATE IN

COORDINATES:
N
S
ELEVATION: 745'
D.F.
K.B.
G.L.

	Run No. 1	Run No. 2	MUD
Date	9-28-87		Nature
First Reading	60-5'		Density
Last Reading	0'		Viscosity
Footage Logged	60-5'		Resistivity
Bottom (Driller)			Resist. @ BHT
Casing (From Log)			pH
Casing (Driller)			Circ. Temp.
Casing Size			B.H. Temp.
Bit Size:			
Bit Size			
			Logged by W. TOTTEN
			Witnessed by

REMARKS TC—5 Speed—10'/min 10'/INCH

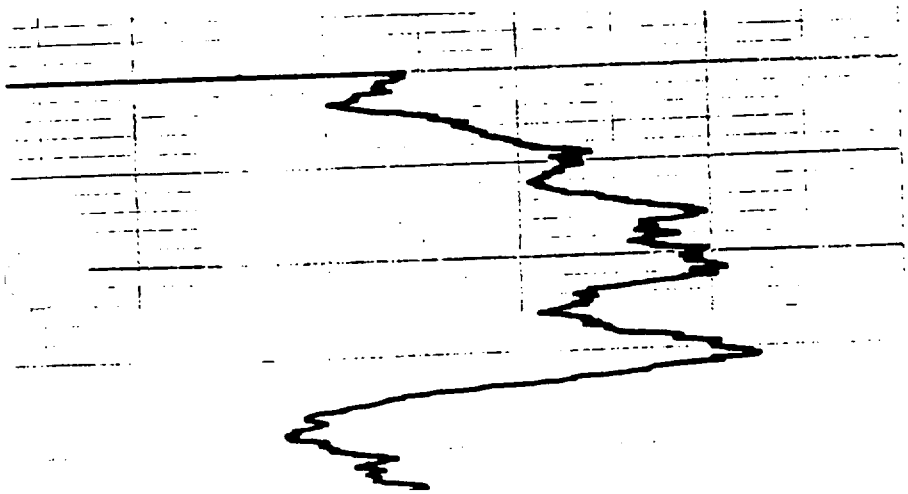
Samples No Samples

* Reg. U.S. Pat.

87-38

counts/second

50 100



0'

10'

20'

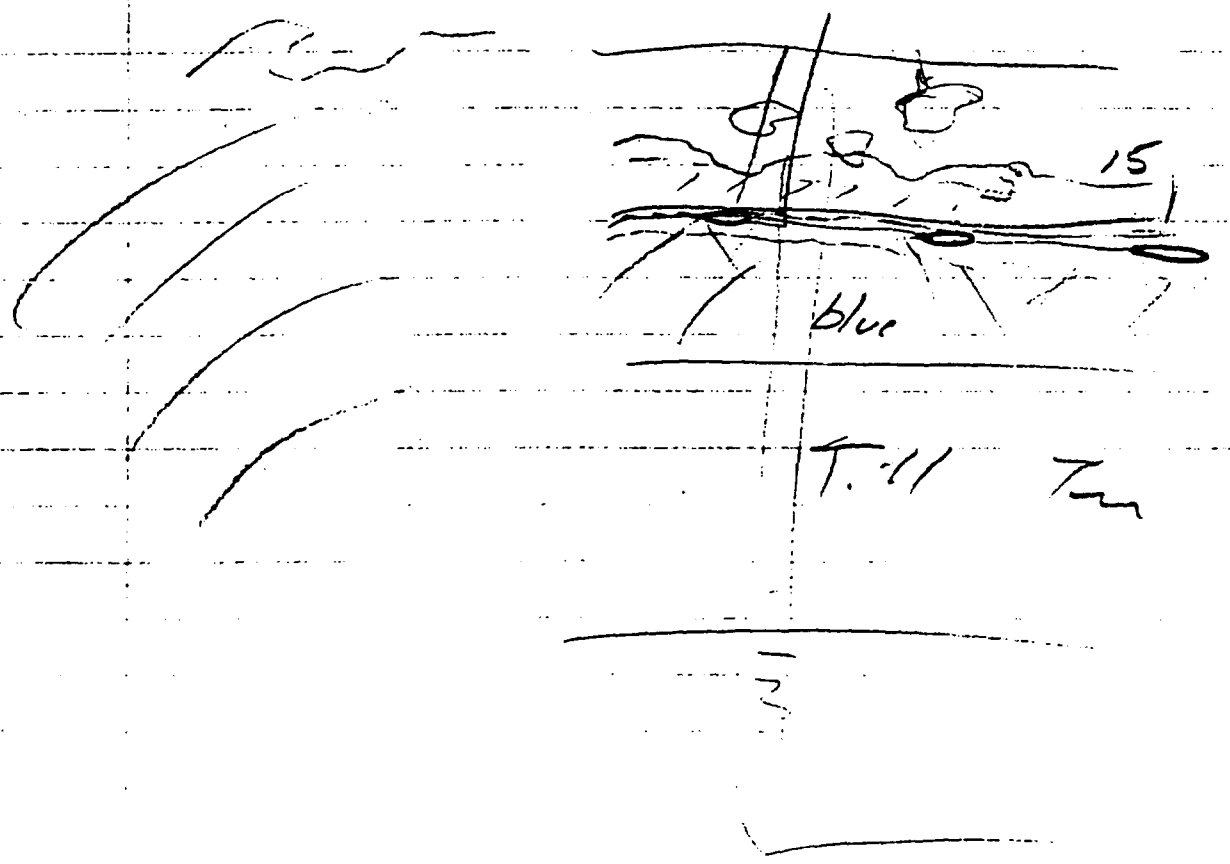
Drillers Log

① cont'd.

Mrs. Edwards home (Kings Lake area)
Cal Montgomery Driller
9-28-87

NW, NW, SE
SEC. 16, T. 31 N., R. 1 E.

0-12 Brn. Sand
12-16 yellow clay
16-36 yellow clay changing to yellow sand/
traces yellow clay
36-51 yellow clay silty sand
51-60 Brown coarse sand
60-65 gray gravel fine medium



② Cont'd

Church

FOR ADMINISTRATIVE USE ONLY
(Well driller does not fill out)

COUNTY Fulton TWP. 31N RGE. 1E NE ¼ NE ¼ SE ¼ SEC. 17 Subdivision Name

Topo Map Culver 7½ 150' Ft W of EL. Ground Elevation 775'

Field Located By C.D.E. Date 8-8-83 Ft N of SL. Depth to bedrock —

Courthouse Location By Date Ft E of WL. Bedrock elevation —

Location accepted w/o verification by Byneighbor 2825' Ft S of NL. Aquifer elevation 69' 706' Lot Number

WATER WELL LOG

To	From	FORMATIONS (Color, type of material, hardness, etc.)
15	0	yellow Clay
26	15	Blue Clay
46	26	Brown Sand and Gravel
65	46	Blue Clay
69	65	Brown Sand

(3) cont'd

WATER WELL LOG

FORMATIONS (Color, type of material, hardness, etc.)	From	To
Yellow Clay and Sand	0	73
gravel	73	78

REMARKS:

FOR ADMINISTRATIVE USE ONLY
(Well Driller does not fill out)

COUNTY: Fulton TWP. 31N RGE. 1E SW ¼ NW ¼ SW ¼ SEC. 16

Topo. Map: ~~Kewanna~~ Culver 7½' Loc. accepted w/o verification Yes ___ No ___

El. of grnd. surface at well: ___ Courthouse Loc. By TJM Date 12/60

Depth to bedrock: ___ Field Located By ___ Date ___

Well Log processed by: ___ Placed in Master Well Log File Date ___

M-5

INSTRUCTIONS

This Water Well Record form is designed to record the most essential data concerning a well. We request that you be as accurate as possible in recording this information as may be of great assistance in the planning and development of new water supplies.

An accurate location of the well is equally as important as an accurate well log. Please include all information possible in the space provided for well location.

As specified in Chapter 6 of the Acts of 1959, a copy of this report must be submitted within thirty days after the completion of a well to the Division of Water Resources, Indiana Department of Conservation, 311 West Washington Street, Indianapolis, Indiana.

(4)

DIVISION OF WATER RESOURCES
INDIANA DEPARTMENT OF CONSERVATION
311 WEST WASHINGTON STREET
INDIANAPOLIS, INDIANA

RECEIVED JUL 1960 Dept. of Conservation Division of Water Resources

WATER WELL RECORD

INFORMATION ON WELL LOCATION

County in which well was drilled: Fulton Civil Township: Aubbeenaubbee

Congressional township: T 31 N Range: 1 E Number of section: 16

(Fill in as completely as possible)

Describe in your own words the well location with respect to nearby towns, roads, streets or distinctive landmarks: Kings Lake Resort Sec C Lots 230 - 231 - 232

Name of owner: James Miller Address: Indianapolis, Ind

Name of Well Drilling Contractor: Fisher Bros. Well Drilling

Address: Kewanna, Ind. R.F.D. 1

Name of Drilling Equipment Operator: Melvin Fisher

INFORMATION ON THE WELL

Completed depth of well: 58 ft. Date well was completed: July 4, 1960

Diameter of outside casing or drive pipe: 2 1/4 Length: 18

Diameter of inside casing or liner: Length:

Diameter of Screen: 1 1/4 Length: 3 ft Slot size: 60 gauge

Type of Well: Drilled ☑ Gravel Pack ☐ Driven ☐ Other

Use of Well: For home ☑ For industry ☐ For public supply ☐ Stock ☐

Method of Drilling: Cable Tools ☐ Rotary ☐ Rev. Rotary ☐ Jet ☑ Driven ☐

Static water level in completed well (Distance from ground to water level) 19 ft.

Bailer Test: Hours tested Rate g.p.m. Drawdown ft. (Difference between static level and water level at end of test)

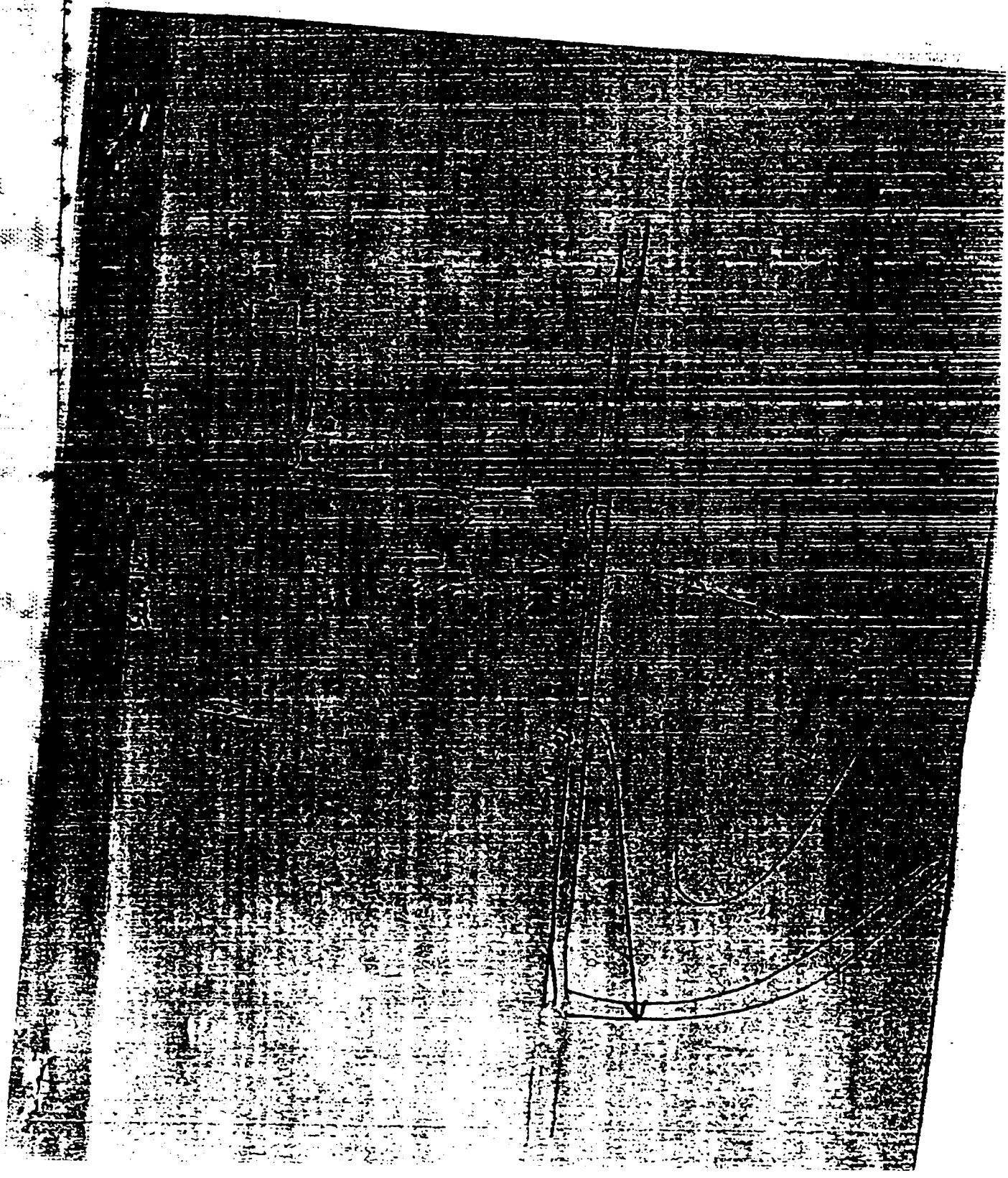
Pumping Test: Hours tested 1 Rate 12 g.p.m. Drawdown ft.

Signature Melvin Fisher

Date July 26, 1960

FOR WELL LOG SPACE USE REVERSE SIDE OF THIS SHEET

(4) cont'd



(5) Cont'd

WATER WELL LOG

FORMATIONS (Color, type of material, hardness, etc.)	From	To
White Sand	0	40
Gravel and Sand	40	75
Gravel	75	79
REMARKS:		

FOR ADMINISTRATIVE USE ONLY
(Well Driller does not fill out)

COUNTY: Fulton TWP. 31N RGE. 1E NW ¼ SW ¼ SE ¼ SEC. 16

Topo. Map: ~~Kewanna~~ Culver 7½ Loc. accepted w/o verification Yes ___ No ___

El. of grnd. surface at well: 742 Courthouse Loc. By ___ Date ___

Depth to bedrock: ___ Field Located By TJM Date 1960

Well Log processed by: ___ Placed in Master Well Log File Date ___

-633.

INSTRUCTIONS

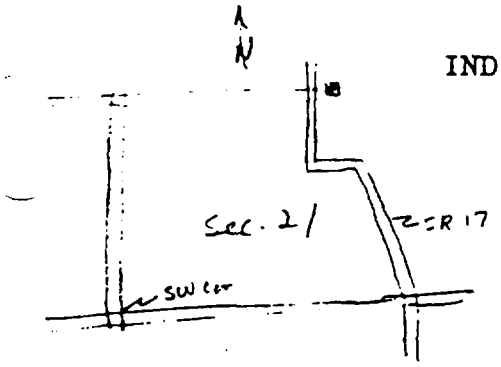
This Water Well Record form is designed to record the most essential data concerning a .er well. We request that you be as accurate as possible in recording this information as may be of great assistance in the planning and development of new water supplies.

An accurate location of the well is equally as important as an accurate well log. Please include all information possible in the space provided for well location.

As specified in Chapter 6 of the Acts of 1959, a copy of this report must be submitted within thirty days after the completion of a well to the Division of Water Resources, Indiana Department of Conservation, 311 West Washington Street, Indianapolis, Indiana.

31/1-21B1

(6)



DIVISION OF WATER RESOURCES
INDIANA DEPARTMENT OF CONSERVATION
311 WEST WASHINGTON STREET
INDIANAPOLIS, INDIANA

OCT 1959
RECEIVED
Dept. of Conservation
Division of
Water Resources

WATER WELL RECORD

INFORMATION ON WELL LOCATION

County in which well was drilled: Fulton Civil Township: _____
(Have no Map of Fulton County)

Congressional township: 31N Range: 1E Number of section: 16-4

(Fill in as completely as possible)

Describe in your own words the well location with respect to nearby towns, roads, streets or distinctive landmarks: Well S. Delong on State Road 17 at King Lake.

On N. side of Virigna St. off State Road 17. East.

Lots 53, 54, 55, 59, 60 - Section J

Name of owner: Pearl Mae Dennis Address: 1711 N. Sheffield Chicago 14 Ill.

Name of Well Drilling Contractor: Kennedy's Well Service

Address: Dixon Lake Plymouth Ind.

Name of Drilling Equipment Operator: Lew Kennedy

INFORMATION ON THE WELL

Completed depth of well: 101 ft. Date well was completed: Sept 17.59

Diameter of outside casing or drive pipe: 2" Length: 97 feet

Diameter of inside casing or liner: _____ Length: _____

Diameter of Screen: #121 Length: _____ Slot size: 60 gauze

Type of Well: Drilled ☒ Gravel Pack ☐ Driven ☐ Other _____

Use of Well: For home ☒ For industry ☐ For public supply ☐ Stock ☐

Method of Drilling: Cable Tools ☐ Rotary ☐ Rev. Rotary ☐ Jet ☒ Driven ☐

Static water level in completed well (Distance from ground to water level) 52 ft.

Bailer Test: Hours tested _____ Rate _____ g.p.m. Drawdown _____ ft. (Difference between static level and water level at end of test)

Pumping Test: Hours tested _____ Rate 15 g.p.m. Drawdown _____ ft.

Signature _____

Date _____

FOR WELL LOG SPACE USE REVERSE SIDE OF THIS SHEET

(7)

DIVISION OF WATER RESOURCES
INDIANA DEPARTMENT OF CONSERVATION
311 WEST WASHINGTON STREET
INDIANAPOLIS, INDIANA

RECEIVED JUL 1961 DIVISION OF WATER DIV. OF CONSERVATION

WATER WELL RECORD

INFORMATION ON WELL LOCATION

County in which well was drilled: Fulton Civil Township: _____

Congressional township: _____ Range: _____ Number of section: _____

(Fill in as completely as possible)

Describe in your own words the well location with respect to nearby towns, roads, streets or distinctive landmarks: Old Hwy 17 ½ mile So of Kingsbury Lake on East side of road SEC 21

Name of owner: James Harrison Address: Chicago Ill

Name of Well Drilling Contractor: Buffington & Payne

Address: Plymouth Ind

Name of Drilling Equipment Operator: James Payne

INFORMATION ON THE WELL

Completed depth of well: 82 ft. Date well was completed: June 23 - 1961

Diameter of outside casing or drive pipe: 2" Length: 79 ft

Diameter of inside casing or liner: _____ Length: _____

Diameter of Screen: 1¼ Length: 3 ft Slot size: 60 ga

Type of Well: Drilled ☒ Gravel Pack ☐ Driven ☐ Other _____

Use of Well: For home ☐ For industry ☐ For public supply ☐ Stock ☐

Method of Drilling: Cable Tools ☐ Rotary ☐ Rev. Rotary ☐ Jet ☒ Driven ☐

Static water level in completed well (Distance from ground to water level) 42 ft.

Bailer Test: Hours tested _____ Rate _____ g.p.m. Drawdown _____ ft. (Difference between static level and water level at end of test)

Pumping Test: Hours tested _____ Rate _____ g.p.m. Drawdown _____ ft.

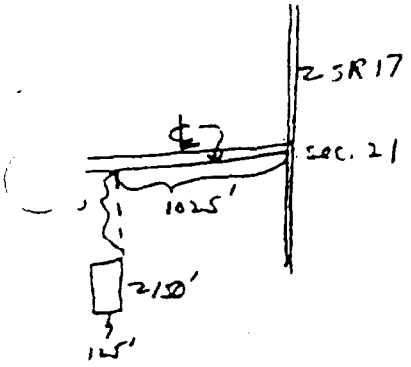
Signature James Payne

Date July 8, 1961

FOR WELL LOG SPACE USE REVERSE SIDE OF THIS SHEET

31/1-21 F2

(8)



DIVISION OF WATER RESOURCES
INDIANA DEPARTMENT OF CONSERVATION
311 WEST WASHINGTON STREET
INDIANAPOLIS, INDIANA

RECEIVED
JUL 1960
Dept. of Conservation
Division of Water Resources

WATER WELL RECORD

INFORMATION ON WELL LOCATION

County in which well was drilled: Fulton Civil Township: [illegible]

Congressional township: T 31 N Range: 1 E Number of section: 21

(Fill in as completely as possible)

Describe in your own words the well location with respect to nearby towns, roads, streets or distinctive landmarks: Kings Lake Resort Lots 80 - 81

Sect. 5 lots 80-85

Name of owner: ~~Arth~~ Arthur Batchelor Address: Chicago, Ill.

Name of Well Drilling Contractor: Fisher Bros Well Drilling

Address: Kewanna, Ind R.F.D. 1

Name of Drilling Equipment Operator: Melvin Fisher

INFORMATION ON THE WELL

Completed depth of well: 86 ft. Date well was completed: July 17, 1960

Diameter of outside casing or drive pipe: 3" Length: 18 ft.

Diameter of inside casing or liner: _____ Length: _____

Diameter of Screen: _____ Length: 6 ft Slot size: 18 Slot

Type of Well: Drilled ☑ Gravel Pack ☐ Driven ☐ Other _____

Use of Well: For home ☑ For industry ☐ For public supply ☐ Stock ☐

Method of Drilling: Cable Tools ☐ Rotary ☐ Rev. Rotary ☐ Jet ☑ Driven ☐

Static water level in completed well (Distance from ground to water level) 48 ft.

Bailer Test: Hours tested _____ Rate _____ g.p.m. Drawdown _____ ft. (Difference between static level and water level at end of test)

Pumping Test: Hours tested 4 Rate 36 g.p.m. Drawdown _____ ft.

Signature Melvin Fisher

Date July 26, 1960

FOR WELL LOG SPACE USE REVERSE SIDE OF THIS SHEET

31/1-21B2

DIVISION OF WATER RESOURCES
INDIANA DEPARTMENT OF CONSERVATION
311 WEST WASHINGTON STREET
INDIANAPOLIS, INDIANA

RECEIVED AUG 1959 Dept. of Conservation Division of Water Resources

WATER WELL RECORD

(9)

INFORMATION ON WELL LOCATION

County in which well was drilled: FULTON Civil Township: _____

Congressional township: _____ Range: _____ Number of section: _____
(Fill in as completely as possible)

Describe in your own words the well location with respect to nearby towns, roads, streets or distinctive landmarks: ~~NORTH~~ SOUTH Side of Kings Lake. ON South Side of DeLong Ind

Name of owner: MRS Willie Jones Address: _____

Name of Well Drilling Contractor: Earl W Schroeder

Address: RR#2 Plymouth Ind

Name of Drilling Equipment Operator: Same

INFORMATION ON THE WELL

Completed depth of well: 141 Ft. Date well was completed: July 3 - 59

Diameter of outside casing or drive pipe: 2½" Length: 18 Ft

Diameter of inside casing or liner: _____ Length: _____

Diameter of Screen: 1¼ Length: 48"-54" Slot size: 60 gauze

Type of Well: Drilled ☑ Gravel Pack ☐ Driven ☑ Other _____

Use of Well: For home ☑ For industry ☐ For public supply ☐ Stock ☐

Method of Drilling: Cable Tools ☐ Rotary ☐ Rev. Rotary ☐ Jet ☑ Driven ☐

Static water level in completed well (Distance from ground to water level) 10 Ft.

Bailer Test: Hours tested 2 Rate 15 g.p.m. Drawdown _____ Ft. (Difference between static level and water level at end of test)

Pumping Test: Hours tested _____ Rate _____ g.p.m. Drawdown _____ Ft.

Signature Earl W Schroeder

Date 7-6-59

FOR WELL LOG SPACE USE REVERSE SIDE OF THIS SHEET

APPENDIX E

HISTORICAL GROUNDWATER ANALYTICAL DATABASE

SOUTHEAST QUADRANT

SUMMARY OF GROUND WATER ANAYTICAL DATA (1)
SOUTHEAST QUADRANT
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

Piezometer/ Well Identification	Stratigraphic Unit(s) Screened (2)	Date of Installation	Total Depth (feet bgs)	Sample Dates	Number of Events	Organic Compounds Detected	Number of Times Detected	Maximum Concentration (ug/L)	Inorganic Analytes Detected (3)	Concentration (ug/L unless noted)
P-3A	A ?	?	?	NS					NS	
P-4A	A	11/07/88	69.6	NS					NS	
MW-4	A	02/20/79	19	03/05/79-	25	Total phenol	3	10	Barium	31
				06/11/86		Bis(2-ethyl hexyl) phthalate	1	65	Magnesium	52,700
									Sodium	4,290
									Calcium	166,000
									Zinc	20
									Manganese	43
									Bromide	100
									Nitrate	220
									Sulfate	31,000
									Chloride	2,600
									Total organic carbon	2,700
									Total organic halogen (Cl)	5
P-21A	A	11/09/88	22.3	NS					NS	
P-25A	A	12/06/88	32.2	NS					NS	
P-27A	A	12/01/88	17.0	NS					NS	
MW-25	A/B	12/17/86	74.0	06/03/87-	3	Methyl ethyl ketone	1	8	Iron	50
				12/10/87		Toluene	1	3	Barium	30
						1,2-Dichloroethane	1	7	Manganese	210
						Bis(2-ethyl hexyl) phthalate	2	52	Fluoride	200
									Chloride	11,000
									Sulfate	72,000
									Total organic halogen (Cl)	0.02
									Turbidity (NTU)	27
P-4B	B	11/04/88	69.6	11/07/89	1	ND			NS	
MW-5	B	02/20/79	35	03/05/79-	2	Carbon Tetrachloride	1	3.2	Barium	35
				06/11/86		Chloroform	1	2.8	Magnesium	52,300
									Sodium	3,900
									Zinc	15
									Calcium	131,000
									Bromide	140
									Nitrate	400
									Sulfate	30,000
									Chloride	2,600
									Total organic carbon	3,100

SUMMARY OF GROUND WATER ANAYTICAL DATA (1)
SOUTHEAST QUADRANT
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA
(Page 2 of 4)

Piezometer/ Well Identification	Stratigraphic Unit(s) Screened (2)	Date of Installation	Total Depth (feet bgs)	Sample Dates	Number of Events	Organic Compounds Detected	Number of Times Detected	Maximum Concentration (ug/L)	Inorganic Analytes Detected (3)	Concentration (ug/L unless noted)
MW-21S	B	05/27/83	60.0	09/15/83-09/27/88	24	Toluene	2	5	Manganese	420
						Trichloroethene	1	4.1	Iron	430
						Methyl ethyl ketone	1	7	Chromium	20
						Methylene chloride	1	56	Barium	30
						Phenol	2	9	Sodium	8,000
						Total phenol	5	210	Cadmium	1.1
						Bis(2-ethyl hexyl) phthalate	3	490	Fluoride	200
									Sulfate	13,000
									Total organic carbon	39,000
									Turbidity (NTU)	57
MW-27B	B	12/01/88	55.0	09/28/89-11/08/89	2	ND			Sodium	6,300
									Manganese	150
									Barium	40
									Nickel	50
									Iron	30
									Sulfate	110,000
									Sulfide	3,000
									Chloride	4,500
									pH (standard units)	8
									Conductivity (mmhos/cm)	0.92
									Residue, dissolved	340,000
									Residue, suspended	61,000,000
									Total organic halogen (Cl)	50
MW-25B	B	12/07/88	78.5	11/07/89	1	ND			NS	
MW-27S	B/C	04/29/87	72.0	06/03/87-09/26/88	5	Toluene	2	2	Sodium	6,900
						Methyl ethyl ketone	1	6	Manganese	120
						Methylene chloride	2	13	Barium	22
						Carbon disulfide	1	2	Chromium	12
						Total phenol	3	100	Sulfate	320,000
						Bis(2-ethyl hexyl) phthalate	3	41	Fluoride	1,300
									Turbidity (NTU)	700

SUMMARY OF GROUND WATER ANAYTICAL DATA (1)
SOUTHEAST QUADRANT
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

Piezometer/ Well Identification	Stratigraphic Unit(s) Screened (2)	Date of Installation	Total Depth (feet bgs)	Sample Dates	Number of Events	Organic Compounds Detected	Number of Times Detected	Maximum Concentration (ug/L)	Inorganic Analytes Detected (3)	Concentration (ug/L unless noted)
MW-27M	B/C	04/29/87	101.4	06/03/87-09/26/88	5	Methyl ethyl ketone	1	7	Barium	48
						Toluene	1	3	Manganese	100
						Methylene chloride	1	9	Sodium	8,900
						Total phenol	1	30	Iron	190
						Bis(2-ethyl hexyl) phthalate	5	56	Fluoride	400
									Sulfate	65,000
									Nitrate	180
									Turbidity (NTU)	30
									Total organic carbon	22,000
MW-21L	C	01/20/87	212.0	03/26/87-09/27/88	6	Carbon disulfide	1	7	Iron	590
						Toluene	1	2	Manganese	240
						Methyl ethyl ketone	1	6	Barium	120
						Methylene chloride	1	7	Sodium	11,000
						Total phenol	2	190	Flouride	500
						Bis(2-ethyl hexyl) phthalate	4	720	Sulfate	170,000
						Butyl benzyl phthalate	1	155	Turbidity (NTU)	12
									Total organic carbon	15,000
MW-21M	C	01/27/87	94.8	03/26/87-09/28/89	7	Toluene	1	2	Sodium	3,700
						Methyl ethyl ketone	1	7	Barium	60
						Total phenol	1	40	Iron	2,500
						Bis(2-ethyl hexyl) phthalate	4	150	Nickel	20
									Sulfate, dissolved	64,000
									Chloride	4,300
									pH (standard units)	8.2
									Total organic carbon	21,000
									Residue, dissolved	400,000
									Residue, suspended	840,000
									Conductivity (mmhos/cm)	0.78

SUMMARY OF GROUND WATER ANAYTICAL DATA (1)
SOUTHEAST QUADRANT
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA
(Page 4 of 4)

Notes:

(1) Analytical data are summarized using information obtained from WW Engineering & Science. Associated quality control data (blanks, duplicates, flags, etc.) are not included.

(2) Stratigraphic units are defined as follows:

A = Glacial till sequence, silty clay loam with silt and sand seams;
B = Glacio-lacustrine sequence, silt and fine- to medium-grained sand;
C = Glacio-fluvial sequence, poorly sorted silt, sand, and gravel; and
D = Basal till, silty clay with reddish hue at base.

(3) Inorganic analytes detected during later rounds of sampling. For metals, only the dissolved (i.e., filtered) analytes are shown.

Key:

(Cl) = As Chloride.
ND = No analytes detected for this suite.
NS = No samples collected.
NTU = Nephelometric turbidity units.
? = Information incomplete or unavailable.

SOUTHWEST QUADRANT

SUMMARY OF GROUND WATER ANAYTICAL DATA (1)
SOUTHWEST QUADRANT
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

Piezometer/ Well Identification	Stratigraphic Unit(s) Screened (2)	Date of Installation	Total Depth (feet bgs)	Sample Dates	Number of Events	Organic Compounds Detected	Number of Times Detected	Maximum Concentration (ug/L)	Inorganic Analytes Detected (3)	Concentration (ug/L unless noted)
P-1A	A	12/05/88	37.1	NS					NS	
P-2A	A	12/05/88	17.0	11/08/89 - 12/20/89	2	Toluene	1	4,000	NS	
						Benzene	2	740,000		
						Methylene chloride	2	260,000		
						1,2-Dichloroethane	2	540,000		
						Xylene	1	130		
						Chloroform	1	200,000		
						1,1-Dichloroethane	1	20		
						1,2-Dichloroethene	1	110		
						1,1-Dichloroethene	1	11		
						1,2-Dichloropropane	1	40		
						Ethylbenzene	1	31		
						Carbon disulfide	1	34		
						Vinyl chloride	1	160		
						Fluorotrichloromethane	1	56		
						Chloroethane	1	8		
						Chlorobenzene	1	36		
						2-Hexanone	1	79		
P-6A	A	11/01/88	21.0	NS					NS	
P-24A	A	12/04/88	28.8	NS					NS	
P-5A	A/B ?	11/08/88	28.1	NS					NS	
MW-6	A/B ?	01/03/79	57	03/05/79 - 09/26/88	45	Methylene chloride	1	7	Barium	130
						Toluene	2	3.5	Iron	1,300
						Acetone	1	48	Manganese	36
						Bis (2-ethyl hexyl) phthalate	4	35	Sodium	7,500
						Di-n-butyl phthalate	1	4 2	Sulfate	45,000
						Diethyl phthalate	1	2.8	Nitrate	100
						Total phenol	3	70	Fluoride	300
						Phenol	1	5	Turbidity (NTU)	19
						4-Nitrophenol	1	41	Total organic carbon	26,000
P-1	B	12/08/86	65.0	NS					NS	
P-2	B	12/15/86	80.0	NS					NS	

SUMMARY OF GROUND WATER ANAYTICAL DATA (1)
SOUTHWEST QUADRANT
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

Piezometer/ Well Identification	Stratigraphic Unit(s) Screened (2)	Date of Installation	Total Depth (feet bgs)	Sample Dates	Number of Events	Organic Compounds Detected	Number of Times Detected	Maximum Concentration (ug/L)	Inorganic Analytes Detected (3)	Concentration (ug/L unless noted)
P-2B (4)	B	12/05/88	72.2	11/08/89 - 10/01/90	9	Benzene	9	1,400	NS	
						Methylene chloride	2	9		
						1,2-Dichloroethane	9	2,600		
						Vinyl chloride	1	11		
						Acetone	2	100		
						Carbon tetrachloride	1	15		
						Tetrachloroethene	2	9		
P-3	B ?	12/10/86	50.9	NS					NS	
P-5B	B	11/03/88	49.1	09/28/89 - 11/07/89	2	ND			Barium	60
									Cadmium	15
									Manganese	310
									Sodium	4,800
									Sulfate	88,000
									Sulfide	3,000
									Chloride	5,000
									Residue, suspended	10,000,000
									Residue, dissolved	240,000
									Total organic carbon	11,000
									Conductivity (mmhos/cm)	0.99
									pH (standard units)	7.9
MW-7	B ?	12/29/78	30	03/05/79 - 06/12/86	30	Acetone	1	76	Barium	109
						Total Phenol	2	81	Chromium	15
						Phenol	2	13	Calcium	617,000
						Benzoic Acid	1	9.8	Iron	8,890
						3 tentatively identified semivolatile organic compounds	1	43	Manganese	322
									Magnesium	200,000
									Potassium	49,100
									Sodium	1,330,000
									Zinc	16
									Bromide	50,000
									Sulfate	6,000,000
									Nitrate	110,000
									Nitrite	5,000
									Chloride	2,540,000
									Ammonia	1,100
									Total organic carbon	37,000
									Total organic halogen (Cl)	200

SUMMARY OF GROUND WATER ANAYTICAL DATA (1)
SOUTHWEST QUADRANT
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

Piezometer/ Well Identification	Stratigraphic Unit(s) Screened (2)	Date of Installation	Total Depth (feet bgs)	Sample Dates	Number of Events	Organic Compounds Detected	Number of Times Detected	Maximum Concentration (ug/L)	Inorganic Analytes Detected (3)	Concentration (ug/L unless noted)
MW-24B	B	12/04/88	74.2	09/28/89 - 11/07/89	3	ND			Arsenic	9.4
									Barium	110
									Iron	1,600
									Manganese	50
									Sodium	5,900
									Sulfate, dissolved	52,000
									Chloride	3,000
									Residue, suspended	2,500,000
									Residue, dissolved	450,000
									Total organic carbon	20,000
									Total organic halogen (Cl)	60
									Conductivity (mmhos/cm)	0 8
									pH (standard units)	7.4
MW-24S	B	12/05/86	75.0	03/26/87 - 09/26/88	6	Toluene	1	3	Barium	60
						Acetone	1	14	Iron	2,900
						Carbon disulfide	1	6	Manganese	99
						Bis (2-ethyl hexyl) phthalate	1	7	Sodium	6,100
						Bis (2-chloroethyl) ether	1	17	Sulfate	33,000
						Total phenol	5	140	Fluoride	300
									Turbidity (NTU)	220
									Total organic carbon	21,000
MW-24M	B/C	01/26/87	108.5	03/26/87 - 09/26/88	6	Toluene	1	2	Barium	15
						Methyl ethyl ketone	1	7	Sodium	9,000
						Tetrahydrofuran	1	8	Nitrate	350
						Bis (2-ethyl hexyl) phthalate	3	92	Sulfate	33,000
						Bis (2-chloroethyl) ether	1	10	Chloride	17,000
						Total phenol	1	130	Total organic carbon	18,000
MW-24L2	C	4/87,5/87	136.0	06/04/87- 09/26/88	6	Methylene chloride	1	9	Manganese	280
						Total phenol	3	120	Chromium	11
						Dimethyphthalate	1	9	Iron	1,200
						Bis (2-ethyl hexyl) phthalate	3	191	Sodium	7,400
						Bis (2-chloroethyl) ether	1	8	Barium	45
									Flourido	300
									Nitrate	50
									Sulfate	75,000
									Turbidity (NTU)	190
									Total organic carbon	28,000

SUMMARY OF GROUND WATER ANAYTICAL DATA (1)
SOUTHWEST QUADRANT
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

Piezometer/ Well Identification	Stratigraphic Unit(s) Screened (2)	Date of Installation	Total Depth (feet bgs)	Sample Dates	Number of Events	Organic Compounds Detected	Number of Times Detected	Maximum Concentration (ug/L)	Inorganic Analytes Detected (3)	Concentration (ug/L unless noted)
P-24C3	C	01/17/89	119.1	09/26/89	1	Carbon Disulfide	1	68	Manganese	80
									Sodium	2,800
									Barium	50
									Iron	1,400
									Chloride	9,000
									Sulfate, dissolved	81,000
									Total organic carbon	6,000
									Residue, dissolved	420,000
									Residue, suspended	1,100,000
									Conductivity (mmhos/cm)	0.78
									pH (standard units)	7.5
MW-24L	C/D	01/22/87	142.8	04/02/87-06/03/87	2	Toluene	1	3	Chloride	6,000
						o-Xylene	1	3	Sulfate	123,000
						p-Xylene	1	3	Sulfide	1,300
						Methylene chloride	1	6	pH (standard units)	7.32
						Methyl ethyl ketone	1	6	Total organic carbon	13,000
									Residue, dissolved	1,962,000
									Conductivity (mmhos/cm)	0.65

Notes:

(1) Analytical data are summarized using information obtained from WW Engineering & Science. Associated quality control data (blanks, duplicates, flags, etc.) are not included.

(2) Stratigraphic units are defined as follows:

A = Glacial till sequence, silty clay loam with silt and sand seams;
B = Glacio-lacustrine sequence, silt and fine- to medium-grained sand;
C = Glacio-fluvial sequence, poorly sorted silt, sand, and gravel; and
D = Basal till, silty clay with reddish hue at base.

(3) Inorganic analytes detected during later rounds of sampling. For metals, only the dissolved (i.e., filtered) analytes are shown.

(4) Significant decrease in concentration and number of organic analytes over time.

Key:

(Cl) = As Chloride.
ND = No analytes detected for this suite.
NS = No samples collected.
NTU = Nephelometric turbidity units.
? = Information incomplete or unavailable.

NORTHWEST QUADRANT

SUMMARY OF GROUND WATER ANAYTICAL DATA (1)
NORTHWEST QUADRANT
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

Piezometer/ Well Identification	Stratigraphic Unit(s) Screened (2)	Date of Installation	Total Depth (feet bgs	Sample Dates	Number of Events	Organic Compounds Detected	Number of Times Detected	Maximum Concentration (ug/L)	Inorganic Analytes Detected (3)	Concentration (ug/L unless noted)
P-10 (5)	A	11/18/88	14.5	11/16/88-10/30/89	2	1,2-Dichloroethane	2	1,600,000	NS	
						Chloroform	2	1,400,000		
						Methylene chloride	2	12,000		
						Carbon tetrachloride	2	2,800,000		
						Benzene	2	710,000		
						Tetrachloroethene	2	2,900		
						Toluene	2	1,100		
						Acetone	2	2,000,000		
						Fluorotrichloromethane	1	270		
						Chloroethane	1	240		
						1,1-Dichloroethane	1	20		
						Ethyl benzene	1	21		
						Hexachloroethane	1	79		
						1,2-Dichloroethene	1	45		
						1,1,2,2-Tetrachloroethane	1	690		
						Chloromethane	1	3,500		
						Carbon disulfide	1	200		
						Nitrobenzene	1	100,000		
						Xylene	1	88		
						Trichloroethene	1	150		
P-11A	A	11/21/88	13.5	NS					NS	
P-12A	A	11/16/89	19.6	8/24/90-10/01/90	2	Tetrahydofuran	2	13,000	NS	
						Benzene	2	56,000		
						1,2-Dichloroethane	2	160,000		
						Trichloroethene	1	11		
						Vinyl chloride	1	87		
						Xylene	1	21		
						Methlyene chloride	2	12,000		
						Methyl isobutyl ketone	1	100		
						1,2-Dichloroethene	1	30		
						1,1,2-Dichloroethane	1	700		
						Acetone	1	110		
						Chloromethane	1	130		
						Chloroform	2	40,000		
						Tetrachloroethene	1	1,200		
						Ethyl benzene	1	6		
						Fluorotrichloromethane	1	30		
						Chlorobenzene	1	11		
						Toluene	1	200		
						1,2-Dichloropropane	1	24		

SUMMARY OF GROUND WATER ANAYTICAL DATA (1)
NORTHWEST QUADRANT
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

Piezometer/ Well Identification	Stratigraphic Unit(s) Screened (2)	Date of Installation	Total Depth (feet bgs	Sample Dates	Number of Events	Organic Compounds Detected	Number of Times Detected	Maximum Concentration (ug/L)	Inorganic Analytes Detected (3)	Concentration (ug/L unless noted)
P-13A	A	11/17/89	21.6	NS					NS	
P-14A	A	11/20/89	21.5	12/12/89-03/20/90	11	Chloroethane	7	130	NS	
						Carbon tetrachloride	11	99,000		
						1,2-Dichloropropane	1	12		
						Trichloroethene	3	26		
						1,1,2,2-Tetrachloroethane	4	220		
						1,1-Dichloroethane	1	37,000		
						Chloroform	11	33,000		
						Benzene	11	24,000		
						Xylene	6	38		
						Tetrahydofuran	6	13,000		
						Methlyene chloride	7	17,000		
						1,1,2-Trichloroethane	6	2,500		
						Chloromethane	4	1,400		
						1,2-Dichloroethane	9	60,000		
						Tetrachloroethene	6	1,800		
						Carbon disulfide	4	730		
						Fluorotrichloromethane	6	240		
						1,1,1-Trichloroethane	4	9		
						Bromomethane	1	12		
						Toluene	4	320		
						Acetone	2	2,700		
						1,2-Dichloroethene	1	5		
						Ethyl benzene	1	7		
						Dichlorodifluoroethane	1	38		
						Nitrobenzene	1	3,600		
P-26A	A	11/21/89	13.9	12/20/89	1	Methylene chloride	1	6,100	NS	
						Benzene	1	11,000		
						Chloroform	1	5,800		
						Acetone	1	10,000		
						1,2-Dichloroethane	1	22,000		
						Trichloroethene	1	11		
						Carbon tetrachloride	1	7,400		
						Carbon disulfide	1	10		
						Toluene	1	130		
P-30A	A	11/22/88	20.4	NS					NS	
P-31A	A	11/29/88	14.9	NS					NS	
P-32A	A	11/22/89	18.1	03/20/90	1	Bis(2-ethyl hexyl) phthalate	1	10	NS	
P-33A	A	11/11/88	20.0	NS					NS	

SUMMARY OF GROUND WATER ANAYTICAL DATA (1)
NORTHWEST QUADRANT
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

Piezometer/ Well Identification	Stratigraphic Unit(s) Screened (2)	Date of Installation	Total Depth (feet bgs	Sample Dates	Number of Events	Organic Compounds Detected	Number of Times Detected	Maximum Concentration (ug/L)	Inorganic Analytes Detected (3)	Concentration (ug/L unless noted)
P-34A (5)	A	10/11/88	18.8	11/18/88-01/04/90	4	Benzene	4	280,000	pH (standard units)	7.5
						Chloroform	3	80,000		
						Carbon tetrachloride	3	310,000		
						1,2-Dichloroethane	2	310,000		
						Nitrobenzene	2	3,500		
						Tetrahydroluran	1	1,400		
						Trichloroethene	2	70		
						Xylene	2	150		
						Methylene chloride	2	2,500		
						1,1,2-Trichloroethane	2	1,500		
						Tetrachloroethene	2	6,300		
						Chlorobenzene	2	100		
						Acetone	1	3,600		
						Toluene	2	630		
						Carbon disulfide	1	13		
						Chloromethane	1	43		
						1,1-Dichloroethane	1	9		
						Methyl isobutyl ketone	2	370		
						Phenol	1	580		
						Butyl benzl phthalate	1	27		
						Benzoic acid	1	2,100		
						2,4-Dimethylphenol	1	30		
						Di-n-octylphthalate	1	33		
						2-Nitrophenol	1	55		
P-34*A	A	12/07/88	26.0	10/30/89	1	ND			NS	
MW-1	A/B	12/26/78	42	NS					NS	
MW-22	B	06/01/83	38.5	07/28/83-09/27/88	28	Toluene	2	3	Barium	120
						Trichloroethene	1	3.7	Arsenic	18
						1,1,1-Trichloroethane	1	7	Nitrate	100
						Methylene chloride	1	7	Fluoride	300
						Total phenol	2	140	Total organic carbon	69,000
						Phenol	1	6	Turbidity (NTU)	225
						Bis(2-ethyl hexyl) phthalate	6	56		

SUMMARY OF GROUND WATER ANAYTICAL DATA (1)
NORTHWEST QUADRANT
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

Piezometer/ Well Identification	Stratigraphic Unit(s) Screened (2)	Date of Installation	Total Depth (feet bgs	Sample Dates	Number of Events	Organic Compounds Detected	Number of Times Detected	Maximum Concentration (ug/L)	Inorganic Analytes Detected (3)	Concentration (ug/l. unless noted)
MW-26	B	01/06/87	77.2	03/26/87-	22	1,2-Dichloroethane	12	117	Sodium	6,400
(4)				10/01/90		Tetrachloroethene	11	29	Manganese	920
						Carbon tetrachloride	5	22	Barium	50
						Methylene chloride	6	40	Cadmium	6
						Benzene	4	41	Nickel	40
						Chloroform	8	220	Iron	40
						1,1,2-Trichloroethane	2	5	Sulfate, dissolved	100,000
						Toluene	2	20	Chloride	36,000
						Methyl ethyl ketone	1	5	pH (standard units)	7 9
						Acetone	2	68	Total organic carbon	11,000
						Total phenol	3	140	Conductivity (mmhos/cm)	1.2
						Bis(2-ethyl hexyl) phthalate	4	38	Residue, dissolved	670,000
									Residue, suspended	2,000,000
MW-30B	B	11/21/88	42.2	09/27/89-	4	Ethyl benzene	1	11	Sodium	2,900
				12/20/89		Xylene	1	49	Manganese	870
									Barium	50
									Arsenic	13
									Iron	1,000
									Sulfide	3,000
									Sulfate, dissolved	28,000
									Conductivity (mmhos/cm)	1
									pH (standard units)	7 8
									Residue, dissolved	600,000
									Residue, suspended	2,700,000
MW-31B	B	11/29/88	61.9	09/27/89-	4	Methylene chloride	1	6	Nickel	40
				12/20/89					Iron	30
									Barium	30
									Sodium	4,200
									Manganese	330
									Sulfide	2,000
									Sulfate, dissolved	76,000
									Chloride	9,100
									pH (standard units)	8
									Conductivity (mmhos/cm)	1
									Residue, dissolved	440,000
									Residue, suspended	10,000,000

SUMMARY OF GROUND WATER ANAYTICAL DATA (1)
NORTHWEST QUADRANT
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

Piezometer/ Well Identification	Stratigraphic Unit(s) Screened (2)	Date of Installation	Total Depth (feet bgs	Sample Dates	Number of Events	Organic Compounds Detected	Number of Times Detected	Maximum Concentration (ug/L)	Inorganic Analytes Detected (3)	Concentration (ug/L unless noted)
MW-32B	B	11/14/88	78.0	11/18/88-	13	Methylene chloride	3	22	Iron	40
(4)				10/01/90		Carbon tetrachloride	1	73	Manganese	490
						1,2-Dichloroethane	8	38	Sodium	13,000
						Benzene	1	5	Barium	50
						Chloroform	1	94	Sulfide	2,000
						Tetrahydrofuran	1	120	Chloride	43,000
						Acetone	1	57	Sulfate, dissolved	130,000
						Bis(2-ethyl hexly) phthalate	1	7	pH (standard units)	7.3
									Conductivity (mmhos/cm)	1.3
									Total organic carbon	60,000
									Residue, dissolved	530,000
									Residue, suspended	13,000,000
MW-33B	B	11/10/88	72.5	11/18/88-	11	Acetone	1	74	NS	
				10/01/90		Benzene	1	46		
						Chloroform	2	38		
						1,2-Dichloroethane	11	1,100		
						Methylene chloride	1	810		
						Carbon tetrachloride	1	31		
MW-34*B	B	12/06/88	74.9	09/26/89-	2	ND			Nickel	20
				10/30/89					Barium	80
									Sodium	37,000
									Manganese	410
									Sulfate, dissolved	230,000
									Sulfide	4,000
									Chloride	74,000
									pH (standard units)	7.2
									Conductivity (mmhos/cm)	1.6
									Residue, suspended	20,000,000
									Residue, dissolved	1,300,000

SUMMARY OF GROUND WATER ANAYTICAL DATA (1)
NORTHWEST QUADRANT
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

Piezometer/ Well Identification	Stratigraphic Unit(s) Screened (2)	Date of Installation	Total Depth (feet bgs	Sample Dates	Number of Events	Organic Compounds Detected	Number of Times Detected	Maximum Concentration (ug/L)	Inorganic Analytes Detected (3)	Concentration (ug/L unless noted)
MW-8	B/C ?	?	?	03/05/79-	28	Total phenol	3	15	Sodium	6,550
				06/12/86		Bis(2-ethyl hexyl) phthalate	1	25	Iron	4,420
									Calcium	108,000
									Barium	156
									Magnesium	38,100
									Manganese	50
									Arsenic	9
									Zinc	135
									Chloride	2,600
									Bromide	110
									Sulfate	37,500
									Total organic carbon	3,200
P-31C1	C	01/10/89	86.7	09/27/89	1	Acetone	1	26	Sodium	5,500
									Manganese	90
									Barium	60
									Iron	310
									Chloride	8,400
									Sulfate, dissolved	86,000
									pH (standard units)	7.9
									Total organic carbon	16,000
									Conductivity (mmhos/cm)	0.98
									Residue, dissolved	510,000
									Residue, suspended	990,000
P-31C2	C	01/09/89	111.6	09/27/89	1	1,2-Dichloroethane	1	28	Sulfate, dissolved	49,000
						Tetrahydrofuran	1	170	Chloride	7,700
						Diethyl ether	1	200	Conductivity (mmhos/cm)	0.92
									pH (standard units)	8
									Residue, suspended	3,100,000
									Residue, dissolved	630,000

SUMMARY OF GROUND WATER ANAYTICAL DATA (1)
NORTHWEST QUADRANT
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

Piezometer/ Well Identification	Stratigraphic Unit(s) Screened (2)	Date of Installation	Total Depth (feet bgs	Sample Dates	Number of Events	Organic Compounds Detected	Number of Times Detected	Maximum Concentration (ug/L)	Inorganic Analytes Detected (3)	Concentration (ug/L unless noted)
P-32C2	C	01/13/89	130.8	09/27/89	1	Acetone	1	15	Arsenic	7.5
									Iron	2,400
									Barium	90
									Manganese	60
									Sodium	6,300
									Sulfate	64,000
									Chloride	6,500
									Conductivity (mmhos/cm)	0.78
									Total organic carbon	5,000
									pH (standard units)	7.7
									Residue, suspended	460,000
P-34*C1	C	01/10/89	97.7	09/26/89	1	Carbon disulfide	1	210	NS	
						Diethyl ether	1	22		
P-34*C2	C	01/12/89	126.6	09/26/89	1	Carbon disulfide	1	130	Arsenic	6
						Methylene chloride	1	7	Iron	370
									Barium	80
									Manganese	180
									Sodium	5,600
									Chloride	4,100
									Sulfate, dissolved	53,000
									Conductivity (mmhos/cm)	0.86
									pH (standard units)	7.6
									Residue, suspended	720,000
									Residue, dissolved	420,000
P-34*C3	C	01/11/89	149.8	09/26/89	1	Acetone	1	17	Sodium	4,100
						Methylene chloride	1	7	Manganese	70
						Carbon disulfide	1	73	Barium	90
									Iron	2,300
									Arsenic	5.6
									Chloride	4,600
									Sulfate, dissolved	55,000
									Conductivity (mmhos/cm)	0.78
									Residue, dissolved	400,000
									Residue, suspended	980,000
									Total organic carbon	9,000
									pH (standard units)	7.5
									Total organic halogen (Cl)	70

SUMMARY OF GROUND WATER ANAYTICAL DATA (1)
NORTHWEST QUADRANT
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

Piezometer/ Well Identification	Stratigraphic Unit(s) Screened (2)	Date of Installation	Total Depth (feet bgs	Sample Dates	Number of Events	Organic Compounds Detected	Number of Times Detected	Maximum Concentration (ug/L)	Inorganic Analytes Detected (3)	Concentration (ug/L unless noted)
P-34*C4	C	01/11/89	193.7	09/26/89	1	Carbon disulfide	1	9	Arsenic	8.1
									Iron	670
									Barium	100
									Manganese	210
									Sodium	8,300
									Chloride	4,500
									Sulfate, dissolved	53,000
									Conductivity (mmhos/cm)	0.84
									Total organic carbon	12,000
									pH (standard units)	7.6
									Residue, suspended	3,500,000
									Residue, dissolved	420,000

Notes:

(1) Analytical data are summarized using information obtained from WW Engineering & Science. Associated quality control data (blanks, duplicates, flags, etc.) are not included.

(2) Stratigraphic units are defined as follows:

A = Glacial till sequence, silty clay loam with silt and sand seams;
B = Glacio-lacustrine sequence, silt and fine- to medium-grained sand;
C = Glacio-fluvial sequence, poorly sorted silt, sand, and gravel; and
D = Basal till, silty clay with reddish hue at base.

(3) Inorganic analytes detected during later rounds of sampling. For metals, only the dissolved (i.e., filtered) analytes are shown.

(4) Significant decrease in concentration and number of organic analytes over time.

(5) *Indication that well/piezometer may contain free product*

Key:

(Cl) = As Chloride.
ND = No analytes detected for this suite.
NS = No samples collected.
NTU = Nephelometric turbidity units.
? = Information incomplete or unavailable.

NORTHEAST QUADRANT

SUMMARY OF GROUND WATER ANAYTICAL DATA (1)
NORTHEAST QUADRANT
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA
(Page 1 of 4)

Piezometer/ Well Identification	Stratigraphic Unit(s) Screened (2)	Date of Installation	Total Depth (feet bgs)	Sample Dates	Number of Events	Organic Compounds Detected	Number of Times Detected	Maximum Concentration (ug/L)	Inorganic Analytes Detected (3)	Concentration (ug/L unless noted)
MW-2	A	12/26/78	20	06/05/81-06/11/86	10	1,1-Dichloroethane	1	7.1	Calcium	121,000
						Total phenol	2	2.0	Sodium	9,960
									Magnesium	44,500
									Barium	33
									Chloride	7,600
									Sulfate	65,000
									Nitrate	1,600
									Bromide	4,550
									Total organic carbon	2,400
									Total organic halogen (Cl)	6
MW-3	A ?	12/27/78	38	NS					NS	
P-28A	A	11/28/88	26.1	NS					NS	
P-8A	A	11/23/88	19.9	NS					NS	
P-23A	A	11/23/88	19.3	NS					NS	
P-29A	A	11/30/88	13.5	12/20/89	1	1,1-Dichloroethane	1	42	NS	
						1,2-Dichloroethane	1	44		
						Chloroethane	1	230		
MW-20	A/B ?	05/19/80	45.5	09/15/83-09/27/88	26	Trichloroethene	1	4.9	Chromium	15
						Methyl ethyl ketone	1	7	Sodium	6,100
						Toluene	1	2	Barium	80
						Total phenol	8	4,250	Iron	320
						Phenol	6	90	Manganese	190
						Bis(2-ethyl hexyl) phthalate	7	4,200	Sulfate	50,000
						Di-n-butylphthalate	1	10	Fluoride	200
						Di-n-octylphthalate	1	36	Turbidity (NTU)	18
									Total organic carbon	44,000
MW-23S	A/B	04/08/85	48.0	04/19/85-09/28/88	16	Toluene	2	3	Sodium	2,800
						Methyl ethyl ketone	1	7	Manganese	64
						Methylene chloride	2	39	Barium	20
						1,1,1-Trichloroethane	1	6	Chromium	13
						Acetone	1	11	Iron	30
						Total phenol	1	120	Chloride	6,000
						Phenol	1	10	Fluoride	1,000
						Di-n-butylphthalate	1	12	Sulfate	13,000
						Bis(2-ethyl hexyl) phthalate	3	110	Nitrate	100
									Turbidity (NTU)	1,100
									Total organic carbon	43,000

SUMMARY OF GROUND WATER ANAYTICAL DATA (1)
NORTHEAST QUADRANT
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

Piezometer/ Well Identification	Stratigraphic Unit(s) Screened (2)	Date of Installation	Total Depth (feet bgs)	Sample Dates	Number of Events	Organic Compounds Detected	Number of Times Detected	Maximum Concentration (ug/L)	Inorganic Analytes Detected (3)	Concentration (ug/L unless noted)
MW-23M	A/B/C	04/08/85	85.5	04/19/85-09/28/88	16	Toluene	2	2	Sodium	3,800
						Methylene chloride	2	9	Barium	80
						Methyl ethyl ketone	1	5	Chromium	12
						Chloroform	1	3	Iron	2,100
						1,1,1-Trichloroethane	1	6	Manganese	46
						Bis(2-ethyl hexyl) phthalate	3	58	Sulfate	43,000
						Bis(2-chloroethyl) ether	1	26	Fluoride	200
						Total phenol	2	120	Turbidity (NTU)	43
									Total organic carbon	26,000
MW-28S	A/B	05/04/87	60.5	06/03/87-09/27/88	7	Toluene	1	2	Barium	54
						Methylene chloride	1	9	Manganese	50
						Methyl ethyl ketone	1	6	Sodium	68,000
						Bis(2-ethyl hexyl) phthalate	2	13	Iron	30
						Total phenol	3	80	Nitrate	20
									Sulfate	65,000
									Fluoride	400
									Chloride	130,000
									Turbidity (NTU)	100
									Total organic carbon	23,000
P-7A	B ?	11/18/88	21.4	NS					NS	
P-7B	B	11/17/88	50.9	11/07/89	1	ND			NS	
P-8B	B	11/02/88	47.9	11/08/89-03/23/90	2	ND			NS	
MW-23B	B	11/22/88	39.4	09/27/89-11/08/89	2	Carbon disulfide	1	6	Barium	120
									Manganese	250
									Sodium	18,000
									Iron	10,000
									Arsenic	15
									Sulfate, dissolved	28,000
									Chloride	7,600
									pH (standard units)	7.5
									Conductivity (mmhos/cm)	0.99
									Residue, dissolved	650,000
									Residue, suspended	3,000,000
									Total organic carbon	12,000

SUMMARY OF GROUND WATER ANAYTICAL DATA (1)
NORTHEAST QUADRANT
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA
(Page 3 of 4)

Piezometer/ Well Identification	Stratigraphic Unit(s) Screened (2)	Date of Installation	Total Depth (feet bgs)	Sample Dates	Number of Events	Organic Compounds Detected	Number of Times Detected	Maximum Concentration (ug/L)	Inorganic Analytes Detected (3)	Concentration (ug/L unless noted)
MW-28B	B	11/28/88	60.0	09/27/89-11/08/89	2	Acetone	1	19	Barium	60
									Manganese	130
									Sodium	49,000
									Nickel	20
									Sulfate, dissolved	72,000
									Chloride	80,000
									pH (standard units)	7.7
									Conductivity (mmhos/cm)	1.2
									Residue, dissolved	1,000,000
									Residue, suspended	25,000,000
MW-29B (4)	B	11/30/88	51.9	09/27/89-10/01/90	10	1,2-Dichloroethane	4	32	Nickel	20
						Methylene chloride	2	7	Barium	70
						1,1-Dichloroethane	10	73	Manganese	510
						Chloroethane	10	300	Sodium	68,000
									Chloride	180,000
									Sulfate, dissolved	100,000
									Sulfide	3,000
									pH (standard units)	7.6
									Conductivity (mmhos/cm)	1.7
									Residue, dissolved	1,300,000
									Residue, suspended	20,000,000
									Total organic carbon	20,000
									Total organic halogen (Cl)	230
P-28C1	B	01/16/89	85.0	09/28/89	1	ND			NS	
MW-23L	B/C	04/08/85	122.0	04/19/85-09/28/88	16	Toluene	1	2	Sodium	3,700
						Methyl ethyl ketone	1	7	Barium	90
						Bis(2-chloroethyl) ether	1	7	Chromium	11
						Di-n-butylphthalate	1	4.2	Iron	2,700
						Phenol	2	11	Manganese	55
						Total phenol	4	180	Sulfate	30,000
						Bis(2-ethyl hexyl) phthalate	3	62	Turbidity (NTU)	230
									Total organic carbon	14,000

SUMMARY OF GROUND WATER ANAYTICAL DATA (1)
NORTHEAST QUADRANT
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

Piezometer/ Well Identification	Stratigraphic Unit(s) Screened (2)	Date of Installation	Total Depth (feet bgs)	Sample Dates	Number of Events	Organic Compounds Detected	Number of Times Detected	Maximum Concentration (ug/L)	Inorganic Analytes Detected (3)	Concentration (ug/L unless noted)
MW-28M	B/C	05/01/87	101.0	06/03/87-09/27/88	5	Methyl ethyl ketone	1	6	Chromium	16
						Toluene	1	2	Barium	56
						Methylene chloride	1	9	Manganese	140
						Bis(2-ethyl hexyl) phthalate	4	71	Sodium	26,000
						Total phenol	2	40	Sulfate	65,000
									Chloride	11,000
									Fluoride	400
									Turbidity (NTU)	85
									Total organic carbon	20,000
P-23C2.	C	01/12/89	116.1	09/27/89	1	Carbon disulfide	1	190	Arsenic	9.2
									Iron	480
									Barium	50
									Sodium	6,600
									Manganese	60
									Chloride	6,800
									Sulfate, dissolved	66,000
									Residue, dissolved	420,000
									Residue, suspended	1,400,000
									pH (standard units)	8
									Total organic carbon	14,000
									Conductivity (mmhos/cm)	0.84

Notes:
(1) Analytical data are summarized using information obtained from WW Engineering & Science. Associated quality control data (blanks, duplicates, flags, etc.) are not included.
(2) Stratigraphic units are defined as follows:
A = Glacial till sequence, silty clay loam with silt and sand seams;
B = Glacio-lacustrine sequence, silt and fine- to medium-grained sand;
C = Glacio-fluvial sequence, poorly sorted silt, sand, and gravel; and
D = Basal till, silty clay with reddish hue at base.
(3) Inorganic analytes detected during later rounds of sampling. For metals, only the dissolved (i.e., filtered) analytes are shown.
(4) Significant decrease in concentration and number of organic analytes over time.

Key:
(Cl) = As Chloride.
ND = No analytes detected for this suite.
NS = No samples collected.
NTU = Nephelometric turbidity units.
? = Information incomplete or unavailable.

APPENDIX F

SUMMARY OF RESIDENTIAL WELL ANALYTICAL DATA

CRA
O'Hare Corporate Towers One
10400 W. Higgins Rd., Suite #103
Rosemont, Illinois 60018
(708) 299-9933

MEMO

TO: Holly Grejda - IDEM

REFERENCE NO: 5369-82

FROM: Steven Wanner - CRA

DATE: July 11, 1996

RE: Residential Well Data Summary Tables
Four County Landfill Site
Fulton County, Indiana

This memorandum summarizes the analytical data compiled during regular residential well monitoring events conducted at the above-referenced Site. These residential well data were compiled during monitoring events performed by Environmental Health Laboratories (EHL) of South Bend, Indiana during the period from March 1988 though July 1995. EHL is certified by the Indiana State Department of Health for drinking water analysis.

During the course of the regular residential well monitoring events, potable water samples were collected and analyzed from a total of 33 locations. A map which provides the locations of each of the residential wells sampled is not available at the time this memorandum was prepared. However, a total of nine residential wells are known to be located within a one-half mile radius of the Site as reported in the RI/FS Work Plan. The approximate locations of these nine residential wells are provided in Figure 1. Additionally, during the course of the RI, a residential well was installed near the northwest corner of the Site. This location is identified as well number 10 in Figure 1.

Collected potable water samples were analyzed for volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), metals, radiological parameters (including gross alpha and gross beta) and several general chemistry parameters (including chloride, nitrate, total dissolved solids and pH). Table 1 provides a summary of analytical parameters and the associated analytical methods performed by EHL. Tables 2 through 5 summarize the analytical data compiled during the regular residential well sampling events. Table 6 correlates the numbers assigned to the wells with the residents' names assigned by EHL in their analytical reports.

In general, the sporadic and/or low-level detections of analytes displayed in the residential well data are not indicative of any significant Site-related impacts to the residential wells sampled. A brief discussion of the residential well data is provided in the paragraphs which follow.

VOLATILE ORGANIC COMPOUNDS

VOCs were detected at only two locations, RW19 and RW20. 1,2-Dichloroethane (1,2-DCA) was detected in only one water sample collected from RW19 (1.9 µg/L in July 1991). 1,2-DCA was detected in potable water samples collected from the RW20 in September 1988, May 1989, September 1989, May 1990, July 1991, April 1992 and November 1992 at concentrations of 0.35 µg/L, 0.27 µg/L, 0.27 µg/L, 0.28 µg/L, 0.6 µg/L, 1.2 µg/L and 0.3 µg/L, respectively. The practical quantitation limit (PQL) for 1,2-DCA reported by EHL was 0.5 µg/L. Therefore, many of the reported detections of 1,2-DCA were below the PQL. Moreover, in eight consecutive sampling events conducted since November 1992, 1,2-DCA was not detected in samples collected from RW20. Dichloromethane (methylene chloride), a common laboratory contaminant, was detected in water samples collected from RW20 on two occasions (in September 1993 and September 1994) at concentrations of 1.6 µg/L and 1.2 µg/L, respectively.

Detections of 1,2-DCA and methylene chloride RW20 and 1,2-DCA at RW19 did not exceed the maximum contaminant levels (MCLs) for these analytes established under the Safe Drinking Water Act. VOC analytical data are summarized in Table 2.

SEMIVOLATILE ORGANIC COMPOUNDS

Acid Extractable SVOCs

Only one potable water sample, collected from RW6, exhibited detectable levels of acid extractable SVOCs (Table 3A). Acid extractable SVOCs detected during May 1989 at RW6 included 2-chlorophenol (18 µg/L), 4-chloro-m-cresol (12 µg/L) and phenol (38 µg/L). There are no MCLs promulgated for these compounds.

Base-Neutral SVOCs

Two base-neutral SVOCs (Table 3B) were sporadically detected in groundwater sample collected from residential wells. Di(2-ethylhexyl)phthalate (bis(2-ethylhexyl)phthalate) was detected twice at RW12 (April 1994 at 4.2 µg/L and May 1995 at 0.9 µg/L) and RW25 (April 1994 at 4.2 µg/L and May 1995 at 0.7 µg/L), and once at RW2 (April 1994 event at 4.8 µg/L). Each of the detections of bis(2-ethylhexyl)phthalate were below the MCL of 6 µg/L for this analyte. Butylbenzylphthalate was detected only once (July 1991) at the 2.4 µg/L at RW11. Phthalate esters are used in plasticizers and are also common laboratory contaminants. Sporadic low-level detections of these analytes are not indicative of a Site-related source. Moreover, phthalate esters, in general, are ubiquitous in the environment at these concentrations.

METALS

Nickel was detected at a concentration of 110 μg/L at RW25 residential well during the September 1989 sampling event. During 13 sampling events conducted since that time, nickel was detected in the RW25 well, at a maximum concentration of 12 μg/L. The MCL for nickel was recently remanded by a court.

Exceedences of the secondary maximum contaminant levels (SMCLs) for iron and manganese occurred regularly during monitoring activities. However, as discussed in the Groundwater Technical Memorandum, the predictable pattern of SMCL exceedences of iron and manganese is likely attributable to the regional groundwater character rather than Site-related waste deposits.

GENERAL CHEMISTRY AND RADIOLOGICAL PARAMETERS

Only four water samples collected during the regular monitoring activities exhibited exceedences of the SMCL for total dissolved solids (TDS). Gross alpha and gross beta activity monitoring conducted indicated that there were no exceedences of the MCLs for these analytes. Other general chemistry results appear to be consistent with expected background conditions. General chemistry and radiological data are summarized in Table 5.

SJW/ko/211

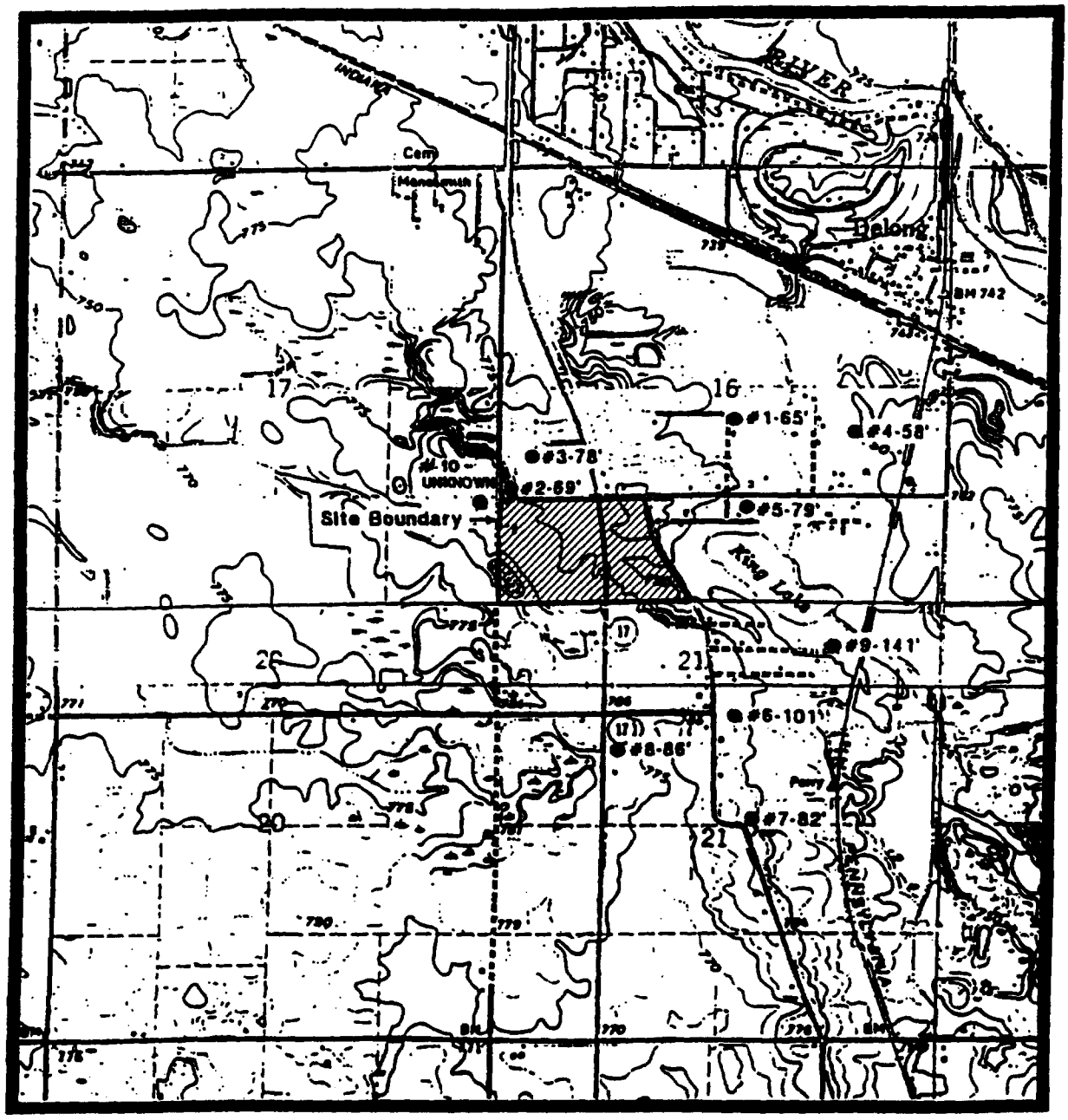
Attachments

TABLE 1

ANALYTICAL METHODS
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

Parameter	*Analytical Method*
Nitrate	- Orion WeWWG/5880 [1] - EPA [2] 353.2
Total Dissolved Solids (TDS)	- SM [3] 2540C - EPA 160.1
Chloride	- SM 4500-Cl - EPA 300.0
pH	- SM 4500-HB - EPA 150.1
Phenols	- EPA 604 - EHL Phenols [4]
Gross Alpha and Beta	- EPA 900
Metals	- EPA 200 series
Semivolatile Organic Compounds (SVOC)	- EPA 525.1 (Extended) [5] - EPA 525.2
Volatile Organic Compounds (VOC)	- EPA 524.2 [5]

[1] "Standard Method of Test for Nitrate Using an Ion Selective Electrode", Orion WeWWG/5880.
[2] "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, revised March 1983.
[3] "Standard Methods for the Examination of Water and Wastewater", American Public Health Association, 1989, 17th Edition.
[4] Laboratory modified extraction procedure for the analysis of phenols based on EPA 604.
[5] "Methods for the Determination of Organic Compounds in Drinking Water", EPA/600/4-88/039.



0 1/4 1/2 mile

#1-65' ● RESIDENTIAL WELL, IDENTIFIER AND APPROXIMATE DEPTH

SOURCE: MODIFICATION OF THE GEOSCIENCES RESEARCH ASSOCIATES, INC. CAP TASK 1 (12/7/89), FIGURE 3.

figure 1

APPROXIMATE PRIVATE WATER WELL LOCATIONS WITHIN 0.5 MILE
FOUR COUNTY LANDFILL SITE
Fulton County, Indiana

CRA

Table 2
Summary of Groundwater Analytical Data (Volatile Organics)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Date Printed: May 8, 1996
Time Printed: 1:51 pm

Location:			RW-1	RW-1	RW-1	RW-2	RW-2	RW-2	RW-2
Sample Date:			11/18/91	04/29/92	11/30/92	03/28/91	07/16/91	11/18/91	04/29/92
Parameters	Units	MCL/SMCL							
Volatile Organics									
1,1,1,2-TETRACHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,1-TRICHLOROETHANE	ug/L	200	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
1,1,2,2-TETRACHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,2-TRICHLOROETHANE	ug/L	5.0	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHYLENE	ug/L	7.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
1,1-DICHLOROETHYLENE, TOTAL	ug/L	7	--	--	--	--	--	--	--
1,1-DICHLOROPROPYLENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2 DICHLOROETHYLENE	ug/L	70	--	--	--	--	--	--	--
1,2,3-TRICHLOROBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,3-TRICHLOROPROPANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,4-TRICHLOROBENZENE	ug/L	70	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,4-TRIMETHYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	0.2	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DIBROMOETHANE (EDB)	ug/L	0.05	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DICHLOROETHANE	ug/L	5.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
1,2-DICHLOROETHYLENE, CIS	ug/L	70	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)
1,2-DICHLOROETHYLENE, TRANS	ug/L	100	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)
1,2-DICHLOROPROPANE	ug/L	5.0	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DICHLOROPROPYLENE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
1,3,5-TRIMETHYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,3-DICHLOROPROPANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,3-DICHLOROPROPYLENE, CIS	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,3-DICHLOROPROPYLENE, TOTAL	ug/L	--	--	--	--	--	--	--	--
1,3-DICHLOROPROPYLENE, TRANS	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
2,2-DICHLOROPROPANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
2-BUTANONE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
2-CHLOROETHYLVINYL ETHER	ug/L	--	ND(100)	ND(100)	ND(100)	--	ND(100)	ND(100)	ND(100)
2-HEXANONE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
4-METHYL-2-PENTANONE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
ACETONE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
ACROLIEN	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
ACRYLONITRILE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
BENZENE	ug/L	5.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
BIS(2-CHLOROETHOXY) METHANE	ug/L	--	ND(50)	ND(50)	ND(50)	--	ND(50)	ND(50)	ND(50)
BIS(2-CHLOROETHYL) ETHER	ug/L	--	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
BIS(2-CHLOROISOPROPYL) ETHER	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
BROMOBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
BROMOCHLOROMETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
BROMODICHLOROMETHANE	ug/L	100 *	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
BROMOFORM	ug/L	100 *	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)

Table 2
Summary of Groundwater Analytical Data (Volatile Organics)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Date Printed: May 8, 1996
Time Printed: 1:51 pm

Location:			RW-1	RW-1	RW-1	RW-2	RW-2	RW-2	RW-2
Sample Date:			11/18/91	04/29/92	11/30/92	03/28/91	07/16/91	11/18/91	04/29/92
Parameters	Units	MCL/SMCL							
Volatile Organics (Cont'd)									
VINYL ACETATE	ug/L	–	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
VINYL CHLORIDE	ug/L	2.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
XYLENES, TOTAL	ug/L	10000	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)

Table 2
Summary of Groundwater Analytical Data (Volatile Organics)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-2	RW-2	RW-2	RW-2	RW-2	RW-2	RW-2
Sample Date:			11/30/92	04/23/93	09/03/93	12/09/93	04/28/94	07/11/94	09/08/94
Parameters	Units	MCL/SMCL							
Volatile Organics									
1,1,1,2-TETRACHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,1-TRICHLOROETHANE	ug/L	200	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
1,1,2,2-TETRACHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,2-TRICHLOROETHANE	ug/L	5.0	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHYLENE	ug/L	7.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
1,1-DICHLOROETHYLENE, TOTAL	ug/L	7	--	--	--	--	--	--	--
1,1-DICHLOROPROPYLENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2 DICHLOROETHYLENE	ug/L	70	--	--	--	--	--	--	--
1,2,3-TRICHLOROBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,3-TRICHLOROPROPANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,4-TRICHLOROBENZENE	ug/L	70	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,4-TRIMETHYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	0.2	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DIBROMOETHANE (EDB)	ug/L	0.05	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DICHLOROETHANE	ug/L	5.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
1,2-DICHLOROETHYLENE, CIS	ug/L	70	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
1,2-DICHLOROETHYLENE, TRANS	ug/L	100	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
1,2-DICHLOROPROPANE	ug/L	5.0	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DICHLOROPROPYLENE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
1,3,5-TRIMETHYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,3-DICHLOROPROPANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,3-DICHLOROPROPYLENE, CIS	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,3-DICHLOROPROPYLENE, TOTAL	ug/L	--	--	--	--	--	--	--	--
1,3-DICHLOROPROPYLENE, TRANS	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
2,2-DICHLOROPROPANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
2-BUTANONE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
2-CHLOROETHYLVINYL ETHER	ug/L	--	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)
2-HEXANONE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
4-METHYL-2-PENTANONE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
ACETONE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
ACROLIEN	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
ACRYLONITRILE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
BENZENE	ug/L	5.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
BIS(2-CHLOROETHOXY) METHANE	ug/L	--	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
BIS(2-CHLOROETHYL) ETHER	ug/L	--	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
BIS(2-CHLOROISOPROPYL) ETHER	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
BROMOBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
BROMOCHLOROMETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
BROMODICHLOROMETHANE	ug/L	100 *	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
BROMOFORM	ug/L	100 *	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)

Table 2
Summary of Groundwater Analytical Data (Volatile Organics)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Date Printed: May 8, 1996
Time Printed: 1:51 pm

Location:			RW-2	RW-2	RW-2	RW-2	RW-2	RW-2	RW-2
Sample Date:			11/30/92	04/23/93	09/03/93	12/09/93	04/28/94	07/11/94	09/08/94
Parameters	Units	MCL/SMCL							
Volatile Organics (Cont'd)									
BROMOMETHANE	ug/L	--	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)
CARBON DISULFIDE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
CARBON TETRACHLORIDE	ug/L	5.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
CHLOROBENZENE	ug/L	100	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
CHLORODIBROMOMETHANE (THM)	ug/L	--	--	--	--	--	--	--	--
CHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
CHLOROFORM	ug/L	100 *	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
CHLOROMETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
CYCLOHEXANONE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
DIBROMOCHLOROMETHANE	ug/L	100 *	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
DIBROMOMETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
DICHLORODIFLUOROMETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
DICHLOROMETHANE	ug/L	--	--	--	--	--	--	--	--
ETHYL ETHER	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
ETHYLBENZENE	ug/L	700	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
ETHYLENE DIBROMIDE (EDB)	ug/L	--	--	--	--	--	--	--	--
FLUOROTRICHLOROMETHANE	ug/L	--	--	--	--	--	--	--	--
HEXACHLOROBUTADIENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
ISOPROPYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
M-DICHLOROBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
M-XYLENE	ug/L	10000	--	--	--	--	--	--	--
METHYLENE CHLORIDE	ug/L	5.0	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
N-BUTYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
N-PROPYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
NAPHTHALENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
O-CHLOROTOLUENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
O-DICHLOROBENZENE	ug/L	600	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
O-XYLENE	ug/L	10000	--	--	--	--	--	--	--
P-CHLOROTOLUENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
P-DICHLOROBENZENE	ug/L	75	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
P-ISOPROPYLTOLUENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
P-XYLENE	ug/L	10000	--	--	--	--	--	--	--
SEC-BUTYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
STYRENE	ug/L	100	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
TERT-BUTYL ALCOHOL	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
TERT-BUTYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
TETRACHLOROETHYLENE	ug/L	5.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
TETRAHYDROFURAN	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
TOLUENE	ug/L	1000	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
TRICHLOROETHYLENE	ug/L	--	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
TRICHLOROFLUOROMETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)

Table 2
Summary of Groundwater Analytical Data (Volatile Organics)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-2	RW-2	RW-2	RW-2	RW-2	RW-2	RW-2
Sample Date:			11/30/92	04/23/93	09/03/93	12/09/93	04/28/94	07/11/94	09/08/94
Parameters	Units	MCL/SMCL							
Volatile Organics (Cont'd)									
VINYL ACETATE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
VINYL CHLORIDE	ug/L	2.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
XYLENES, TOTAL	ug/L	10000	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)

Table 2
Summary of Groundwater Analytical Data (Volatile Organics)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-2	RW-2	RW-2	RW-3	RW-3	RW-4	RW-5
Sample Date:			11/30/94	05/11/95	07/05/95	09/08/94	05/11/95	04/23/93	11/18/91
Parameters	Units	MCL/SMCL							
Volatile Organics									
1,1,1,2-TETRACHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,1-TRICHLOROETHANE	ug/L	200	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
1,1,2,2-TETRACHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,2-TRICHLOROETHANE	ug/L	5.0	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHYLENE	ug/L	7.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
1,1-DICHLOROETHYLENE, TOTAL	ug/L	7	--	--	--	--	--	--	--
1,1-DICHLOROPROPYLENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2 DICHLOROETHYLENE	ug/L	70	--	--	--	--	--	--	--
1,2,3-TRICHLOROBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,3-TRICHLOROPROPANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,4-TRICHLOROBENZENE	ug/L	70	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,4-TRIMETHYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	0.2	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DIBROMOETHANE (EDB)	ug/L	0.05	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DICHLOROETHANE	ug/L	5.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
1,2-DICHLOROETHYLENE, CIS	ug/L	70	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
1,2-DICHLOROETHYLENE, TRANS	ug/L	100	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
1,2-DICHLOROPROPANE	ug/L	5.0	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DICHLOROPROPYLENE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
1,3,5-TRIMETHYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,3-DICHLOROPROPANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,3-DICHLOROPROPYLENE, CIS	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,3-DICHLOROPROPYLENE, TOTAL	ug/L	--	--	--	--	--	--	--	--
1,3-DICHLOROPROPYLENE, TRANS	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
2,2-DICHLOROPROPANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
2-BUTANONE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
2-CHLOROETHYLVINYL ETHER	ug/L	--	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)
2-HEXANONE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
4-METHYL-2-PENTANONE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
ACETONE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
ACROLIEN	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
ACRYLONITRILE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
BENZENE	ug/L	5.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
BIS(2-CHLOROETHOXY) METHANE	ug/L	--	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
BIS(2-CHLOROETHYL) ETHER	ug/L	--	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
BIS(2-CHLOROISOPROPYL) ETHER	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
BROMOBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
BROMOCHLOROMETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
BROMODICHLOROMETHANE	ug/L	100 *	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
BROMOFORM	ug/L	100 *	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)

Table 2
Summary of Groundwater Analytical Data (Volatile Organics)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Date Printed: May 8, 1996
Time Printed: 1:51 pm

Location:			RW-2	RW-2	RW-2	RW-3	RW-3	RW-4	RW-5
Sample Date:			11/30/94	05/11/95	07/05/95	09/08/94	05/11/95	04/23/93	11/18/91
Parameters	Units	MCL/SMCL							
Volatile Organics (Cont'd)									
BROMOMETHANE	ug/L	--	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)
CARBON DISULFIDE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
CARBON TETRACHLORIDE	ug/L	5.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
CHLOROBENZENE	ug/L	100	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
CHLORODIBROMOMETHANE (THM)	ug/L	--	--	--	--	--	--	--	--
CHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
CHLOROFORM	ug/L	100 *	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
CHLOROMETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
CYCLOHEXANONE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
DIBROMOCHLOROMETHANE	ug/L	100 *	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
DIBROMOMETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
DICHLORODIFLUOROMETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
DICHLOROMETHANE	ug/L	--	--	--	--	--	--	--	--
ETHYL ETHER	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
ETHYLBENZENE	ug/L	700	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
ETHYLENE DIBROMIDE (EDB)	ug/L	--	--	--	--	--	--	--	--
FLUOROTRICHLOROMETHANE	ug/L	--	--	--	--	--	--	--	--
HEXACHLOROBUTADIENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
ISOPROPYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
M-DICHLOROBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
M-XYLENE	ug/L	10000	--	--	--	--	--	--	--
METHYLENE CHLORIDE	ug/L	5.0	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
N-BUTYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
N-PROPYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
NAPHTHALENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
O-CHLOROTOLUENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
O-DICHLOROBENZENE	ug/L	600	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
O-XYLENE	ug/L	10000	--	--	--	--	--	--	--
P-CHLOROTOLUENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
P-DICHLOROBENZENE	ug/L	75	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
P-ISOPROPYLTOLUENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
P-XYLENE	ug/L	10000	--	--	--	--	--	--	--
SEC-BUTYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
STYRENE	ug/L	100	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
TERT-BUTYL ALCOHOL	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
TERT-BUTYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
TETRACHLOROETHYLENE	ug/L	5.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
TETRAHYDROFURAN	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
TOLUENE	ug/L	1000	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
TRICHLOROETHYLENE	ug/L	--	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
TRICHLOROFLUOROMETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)

Table 2
Summary of Groundwater Analytical Data (Volatile Organics)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-2	RW-2	RW-2	RW-3	RW-3	RW-4	RW-5
Sample Date:			11/30/94	05/11/95	07/05/95	09/08/94	05/11/95	04/23/93	11/18/91
Parameters	Units	MCL/SMCL							
Volatile Organics (Cont'd)									
VINYL ACETATE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
VINYL CHLORIDE	ug/L	2.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
XYLENES, TOTAL	ug/L	10000	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)

Table 2
Summary of Groundwater Analytical Data (Volatile Organics)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-5	RW-5	RW-5	RW-5	RW-5	RW-5	RW-5
Sample Date:			04/29/92	11/30/92	04/23/93	09/03/93	04/28/94	09/08/94	05/11/95
Parameters	Units	MCL/SMCL							
Volatile Organics									
1,1,1,2-TETRACHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,1-TRICHLOROETHANE	ug/L	200	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
1,1,2,2-TETRACHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,2-TRICHLOROETHANE	ug/L	5.0	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHYLENE	ug/L	7.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
1,1-DICHLOROETHYLENE, TOTAL	ug/L	7	--	--	--	--	--	--	--
1,1-DICHLOROPROPYLENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2 DICHLOROETHYLENE	ug/L	70	--	--	--	--	--	--	--
1,2,3-TRICHLOROBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,3-TRICHLOROPROPANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,4-TRICHLOROBENZENE	ug/L	70	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,4-TRIMETHYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	0.2	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DIBROMOETHANE (EDB)	ug/L	0.05	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DICHLOROETHANE	ug/L	5.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
1,2-DICHLOROETHYLENE, CIS	ug/L	70	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
1,2-DICHLOROETHYLENE, TRANS	ug/L	100	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
1,2-DICHLOROPROPANE	ug/L	5.0	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DICHLOROPROPYLENE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
1,3,5-TRIMETHYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,3-DICHLOROPROPANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,3-DICHLOROPROPYLENE, CIS	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,3-DICHLOROPROPYLENE, TOTAL	ug/L	--	--	--	--	--	--	--	--
1,3-DICHLOROPROPYLENE, TRANS	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
2,2-DICHLOROPROPANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
2-BUTANONE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
2-CHLOROETHYLVINYL ETHER	ug/L	--	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)
2-HEXANONE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
4-METHYL-2-PENTANONE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
ACETONE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
ACROLIEN	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
ACRYLONITRILE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
BENZENE	ug/L	5.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
BIS(2-CHLOROETHOXY) METHANE	ug/L	--	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
BIS(2-CHLOROETHYL) ETHER	ug/L	--	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
BIS(2-CHLOROISOPROPYL) ETHER	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
BROMOBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
BROMOCHLOROMETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
BROMODICHLOROMETHANE	ug/L	100 *	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
BROMOFORM	ug/L	100 *	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)

Table 2
Summary of Groundwater Analytical Data (Volatile Organics)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-5	RW-5	RW-5	RW-5	RW-5	RW-5	RW-5
Sample Date:			04/29/92	11/30/92	04/23/93	09/03/93	04/28/94	09/08/94	05/11/95
Parameters	Units	MCL/SMCL							
Volatile Organics (Cont'd)									
BROMOMETHANE	ug/L	--	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)
CARBON DISULFIDE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
CARBON TETRACHLORIDE	ug/L	5.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
CHLOROBENZENE	ug/L	100	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
CHLORODIBROMOMETHANE (THM)	ug/L	--	--	--	--	--	--	--	--
CHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
CHLOROFORM	ug/L	100 *	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
CHLOROMETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
CYCLOHEXANONE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
DIBROMOCHLOROMETHANE	ug/L	100 *	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
DIBROMOMETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
DICHLORODIFLUOROMETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
DICHLOROMETHANE	ug/L	--	--	--	--	--	--	--	--
ETHYL ETHER	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
ETHYLBENZENE	ug/L	700	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
ETHYLENE DIBROMIDE (EDB)	ug/L	--	--	--	--	--	--	--	--
FLUOROTRICHLOROMETHANE	ug/L	--	--	--	--	--	--	--	--
HEXACHLOROBUTADIENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
ISOPROPYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
M-DICHLOROBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
M-XYLENE	ug/L	10000	--	--	--	--	--	--	--
METHYLENE CHLORIDE	ug/L	5.0	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
N-BUTYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
N-PROPYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
NAPHTHALENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
O-CHLOROTOLUENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
O-DICHLOROBENZENE	ug/L	600	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
O-XYLENE	ug/L	10000	--	--	--	--	--	--	--
P-CHLOROTOLUENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
P-DICHLOROBENZENE	ug/L	75	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
P-ISOPROPYLTOLUENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
P-XYLENE	ug/L	10000	--	--	--	--	--	--	--
SEC-BUTYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
STYRENE	ug/L	100	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
TERT-BUTYL ALCOHOL	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
TERT-BUTYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
TETRACHLOROETHYLENE	ug/L	5.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
TETRAHYDROFURAN	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
TOLUENE	ug/L	1000	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
TRICHLOROETHYLENE	ug/L	--	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
TRICHLOROFLUOROMETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)

Table 2
Summary of Groundwater Analytical Data (Volatile Organics)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-5	RW-5	RW-5	RW-5	RW-5	RW-5	RW-5
Sample Date:			04/29/92	11/30/92	04/23/93	09/03/93	04/28/94	09/08/94	05/11/95
Parameters	Units	MCL/SMCL							
Volatile Organics (Cont'd)									
VINYL ACETATE	ug/L	–	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
VINYL CHLORIDE	ug/L	2.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
XYLENES, TOTAL	ug/L	10000	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)

Table 2
Summary of Groundwater Analytical Data (Volatile Organics)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Date Printed: May 8, 1996
Time Printed: 1:51 pm

Location:			RW-6	RW-6	RW-6	RW-6	RW-6	RW-6	RW-6
Sample Date:			09/30/88	05/18/89	09/25/89	05/01/90	07/16/91	11/18/91	04/29/92
Parameters	Units	MCL/SMCL							
Volatile Organics									
1,1,1,2-TETRACHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,1-TRICHLOROETHANE	ug/L	200	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
1,1,2,2-TETRACHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,2-TRICHLOROETHANE	ug/L	5.0	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHYLENE	ug/L	7.0	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
1,1-DICHLOROETHYLENE, TOTAL	ug/L	7	--	ND(1)	--	--	--	--	--
1,1-DICHLOROPROPYLENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(1)	ND(1)
1,2 DICHLOROETHYLENE	ug/L	70	ND(1)	--	--	--	--	--	--
1,2,3-TRICHLOROBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,3-TRICHLOROPROPANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,4-TRICHLOROBENZENE	ug/L	70	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,4-TRIMETHYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	0.2	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DIBROMOETHANE (EDB)	ug/L	0.05	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DICHLOROETHANE	ug/L	5.0	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
1,2-DICHLOROETHYLENE, CIS	ug/L	70	--	--	--	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)
1,2-DICHLOROETHYLENE, TRANS	ug/L	100	--	--	--	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)
1,2-DICHLOROPROPANE	ug/L	5.0	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DICHLOROPROPYLENE	ug/L	--	--	--	--	--	ND(25)	ND(25)	ND(25)
1,3,5-TRIMETHYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,3-DICHLOROPROPANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(1)	ND(1)
1,3-DICHLOROPROPYLENE, CIS	ug/L	--	--	--	--	--	ND(1)	ND(1)	ND(1)
1,3-DICHLOROPROPYLENE, TOTAL	ug/L	--	ND(1)	--	--	--	--	--	--
1,3-DICHLOROPROPYLENE, TRANS	ug/L	--	--	--	--	--	ND(1)	ND(1)	ND(1)
2,2-DICHLOROPROPANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(1)	ND(1)
2-BUTANONE	ug/L	--	--	--	--	--	ND(25)	ND(25)	ND(25)
2-CHLOROETHYLVINYL ETHER	ug/L	--	--	--	--	--	ND(100)	ND(100)	ND(100)
2-HEXANONE	ug/L	--	--	--	--	--	ND(25)	ND(25)	ND(25)
4-METHYL-2-PENTANONE	ug/L	--	--	--	--	--	ND(25)	ND(25)	ND(25)
ACETONE	ug/L	--	--	--	--	--	ND(25)	ND(25)	ND(25)
ACROLIEN	ug/L	--	--	--	--	--	ND(25)	ND(25)	ND(25)
ACRYLONITRILE	ug/L	--	--	--	--	--	ND(25)	ND(25)	ND(25)
BENZENE	ug/L	5.0	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
BIS(2-CHLOROETHOXY) METHANE	ug/L	--	--	--	--	--	ND(50)	ND(50)	ND(50)
BIS(2-CHLOROETHYL) ETHER	ug/L	--	--	--	--	--	ND(50)	ND(50)	ND(50)
BIS(2-CHLOROISOPROPYL) ETHER	ug/L	--	--	--	--	--	ND(25)	ND(25)	ND(25)
BROMOBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
BROMOCHLOROMETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
BROMODICHLOROMETHANE	ug/L	100 *	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
BROMOFORM	ug/L	100 *	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)

Table 2
Summary of Groundwater Analytical Data (Volatile Organics)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-6	RW-6	RW-6	RW-6	RW-6	RW-6	RW-6
Sample Date:			09/30/88	05/18/89	09/25/89	05/01/90	07/16/91	11/18/91	04/29/92
Parameters	Units	MCL/SMCL							
Volatile Organics (Cont'd)									
BROMOMETHANE	ug/L	--	ND(10)	ND(5)	ND(5)	ND(5)	ND(2)	ND(2)	ND(2)
CARBON DISULFIDE	ug/L	--	--	--	--	--	ND(25)	ND(25)	ND(25)
CARBON TETRACHLORIDE	ug/L	5.0	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
CHLOROBENZENE	ug/L	100	ND(1)	ND(1)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)
CHLORODIBROMOMETHANE (THM)	ug/L	--	ND(0.5)	--	--	--	--	--	--
CHLOROETHANE	ug/L	--	ND(20)	ND(5)	ND(5)	ND(50)	ND(1)	ND(1)	ND(1)
CHLOROFORM	ug/L	100 *	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
CHLOROMETHANE	ug/L	--	ND(10)	ND(5)	ND(5)	ND(10)	ND(1)	ND(1)	ND(1)
CYCLOHEXANONE	ug/L	--	--	--	--	--	ND(25)	ND(25)	ND(25)
DIBROMOCHLOROMETHANE	ug/L	100 *	ND(1)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
DIBROMOMETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
DICHLORODIFLUOROMETHANE	ug/L	--	ND(1)	ND(5)	ND(5)	ND(5)	ND(1)	ND(1)	ND(1)
DICHLOROMETHANE	ug/L	--	ND(1)	--	--	--	--	--	--
ETHYL ETHER	ug/L	--	--	--	--	--	ND(25)	ND(25)	ND(25)
ETHYLBENZENE	ug/L	700	ND(1)	ND(1)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)
ETHYLENE DIBROMIDE (EDB)	ug/L	--	ND(1)	--	--	--	--	--	--
FLUOROTRICHLOROMETHANE	ug/L	--	ND(1)	--	--	--	--	--	--
HEXACHLOROBUTADIENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
ISOPROPYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
M-DICHLOROBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
M-XYLENE	ug/L	10000	ND(1)	--	--	--	--	--	--
METHYLENE CHLORIDE	ug/L	5.0	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
N-BUTYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
N-PROPYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
NAPHTHALENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
O-CHLOROTOLUENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
O-DICHLOROBENZENE	ug/L	600	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
O-XYLENE	ug/L	10000	ND(1)	--	--	--	--	--	--
P-CHLOROTOLUENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
P-DICHLOROBENZENE	ug/L	75	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
P-ISOPROPYLTOLUENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
P-XYLENE	ug/L	10000	ND(1)	--	--	--	--	--	--
SEC-BUTYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
STYRENE	ug/L	100	ND(1)	ND(1)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)
TERT-BUTYL ALCOHOL	ug/L	--	--	--	--	--	ND(25)	ND(25)	ND(25)
TERT-BUTYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
TETRACHLOROETHYLENE	ug/L	5.0	ND(1)	ND(1)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)
TETRAHYDROFURAN	ug/L	--	--	--	--	--	ND(25)	ND(25)	ND(25)
TOLUENE	ug/L	1000	ND(1)	ND(1)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)
TRICHLOROETHYLENE	ug/L	--	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
TRICHLOROFLUOROMETHANE	ug/L	--	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)

Table 2
Summary of Groundwater Analytical Data (Volatile Organics)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-6	RW-6	RW-6	RW-6	RW-6	RW-6	RW-6
Sample Date:			09/30/88	05/18/89	09/25/89	05/01/90	07/16/91	11/18/91	04/29/92
Parameters	Units	MCL/SMCL							
Volatile Organics (Cont'd)									
VINYL ACETATE	ug/L	--	--	--	--	--	ND(25)	ND(25)	ND(25)
VINYL CHLORIDE	ug/L	2.0	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
XYLENES, TOTAL	ug/L	10000	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)

Table 2
Summary of Groundwater Analytical Data (Volatile Organics)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Date Printed: May 8, 1996
Time Printed: 1:52 pm

Location:			RW-6	RW-6	RW-6	RW-6	RW-6	RW-6	RW-7
Sample Date:			11/30/92	04/23/93	09/03/93	04/28/94	09/08/94	05/11/95	09/30/88
Parameters	Units	MCL/SMCL							
Volatile Organics									
1,1,1,2-TETRACHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,1-TRICHLOROETHANE	ug/L	200	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
1,1,2,2-TETRACHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,2-TRICHLOROETHANE	ug/L	5.0	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHYLENE	ug/L	7.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
1,1-DICHLOROETHYLENE, TOTAL	ug/L	7	--	--	--	--	--	--	--
1,1-DICHLOROPROPYLENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2 DICHLOROETHYLENE	ug/L	70	--	--	--	--	--	--	ND(1)
1,2,3-TRICHLOROBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,3-TRICHLOROPROPANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,4-TRICHLOROBENZENE	ug/L	70	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,4-TRIMETHYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	0.2	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--
1,2-DIBROMOETHANE (EDB)	ug/L	0.05	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--
1,2-DICHLOROETHANE	ug/L	5.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
1,2-DICHLOROETHYLENE, CIS	ug/L	70	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	--
1,2-DICHLOROETHYLENE, TRANS	ug/L	100	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	--
1,2-DICHLOROPROPANE	ug/L	5.0	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DICHLOROPROPYLENE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	--
1,3,5-TRIMETHYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,3-DICHLOROPROPANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,3-DICHLOROPROPYLENE, CIS	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--
1,3-DICHLOROPROPYLENE, TOTAL	ug/L	--	--	--	--	--	--	--	ND(1)
1,3-DICHLOROPROPYLENE, TRANS	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--
2,2-DICHLOROPROPANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
2-BUTANONE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	--
2-CHLOROETHYLVINYL ETHER	ug/L	--	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	--
2-HEXANONE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	--
4-METHYL-2-PENTANONE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	--
ACETONE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	--
ACROLIEN	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	--
ACRYLONITRILE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	--
BENZENE	ug/L	5.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
BIS(2-CHLOROETHOXY) METHANE	ug/L	--	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	--
BIS(2-CHLOROETHYL) ETHER	ug/L	--	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	--
BIS(2-CHLOROISOPROPYL) ETHER	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	--
BROMOBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
BROMOCHLOROMETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
BROMODICHLOROMETHANE	ug/L	100 *	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
BROMOFORM	ug/L	100 *	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)

Table 2
Summary of Groundwater Analytical Data (Volatile Organics)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Date Printed: May 8, 1996
Time Printed: 1:52 pm

Location:			RW-6	RW-6	RW-6	RW-6	RW-6	RW-6	RW-7
Sample Date:			11/30/92	04/23/93	09/03/93	04/28/94	09/08/94	05/11/95	09/30/88
Parameters	Units	MCL/SMCL							
Volatile Organics (Cont'd)									
BROMOMETHANE	ug/L	--	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(10)
CARBON DISULFIDE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	--
CARBON TETRACHLORIDE	ug/L	5.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
CHLOROBENZENE	ug/L	100	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)
CHLORODIBROMOMETHANE (THM)	ug/L	--	--	--	--	--	--	--	ND(0.5)
CHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)
CHLOROFORM	ug/L	100 *	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
CHLOROMETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(10)
CYCLOHEXANONE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	--
DIBROMOCHLOROMETHANE	ug/L	100 *	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)
DIBROMOMETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
DICHLORODIFLUOROMETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
DICHLOROMETHANE	ug/L	--	--	--	--	--	--	--	ND(1)
ETHYL ETHER	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	--
ETHYLBENZENE	ug/L	700	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)
ETHYLENE DIBROMIDE (EDB)	ug/L	--	--	--	--	--	--	--	ND(1)
FLUOROTRICHLOROMETHANE	ug/L	--	--	--	--	--	--	--	ND(1)
HEXACHLOROBUTADIENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
ISOPROPYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
M-DICHLOROBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
M-XYLENE	ug/L	10000	--	--	--	--	--	--	ND(1)
METHYLENE CHLORIDE	ug/L	5.0	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--
N-BUTYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
N-PROPYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
NAPHTHALENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
O-CHLOROTOLUENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
O-DICHLOROBENZENE	ug/L	600	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
O-XYLENE	ug/L	10000	--	--	--	--	--	--	ND(1)
P-CHLOROTOLUENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
P-DICHLOROBENZENE	ug/L	75	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
P-ISOPROPYLTOLUENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
P-XYLENE	ug/L	10000	--	--	--	--	--	--	ND(1)
SEC-BUTYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
STYRENE	ug/L	100	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)
TERT-BUTYL ALCOHOL	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	--
TERT-BUTYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
TETRACHLOROETHYLENE	ug/L	5.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)
TETRAHYDROFURAN	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	--
TOLUENE	ug/L	1000	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)
TRICHLOROETHYLENE	ug/L	--	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
TRICHLOROFLUOROMETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--

Table 2
Summary of Groundwater Analytical Data (Volatile Organics)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-6	RW-6	RW-6	RW-6	RW-6	RW-6	RW-7
Sample Date:			11/30/92	04/23/93	09/03/93	04/28/94	09/08/94	05/11/95	09/30/88
Parameters	Units	MCL/SMCL							
Volatile Organics (Cont'd)									
VINYL ACETATE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	--
VINYL CHLORIDE	ug/L	2.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
XYLENES, TOTAL	ug/L	10000	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--

Table 2
Summary of Groundwater Analytical Data (Volatile Organics)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-7	RW-7	RW-7	RW-7	RW-7	RW-8	RW-8
Sample Date:			05/18/89	09/25/89	05/01/90	07/16/91	11/18/91	09/30/88	05/18/89
Parameters	Units	MCL/SMCL							
Volatile Organics									
1,1,1,2-TETRACHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,1-TRICHLOROETHANE	ug/L	200	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)
1,1,2,2-TETRACHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,2-TRICHLOROETHANE	ug/L	5.0	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHYLENE	ug/L	7.0	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)
1,1-DICHLOROETHYLENE, TOTAL	ug/L	7	ND(1)	--	--	--	--	--	ND(1)
1,1-DICHLOROPROPYLENE	ug/L	--	ND(1)	ND(1)	ND(5)	ND(1)	ND(1)	ND(1)	ND(1)
1,2 DICHLOROETHYLENE	ug/L	70	--	--	--	--	--	ND(1)	--
1,2,3-TRICHLOROBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,3-TRICHLOROPROPANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,4-TRICHLOROBENZENE	ug/L	70	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,4-TRIMETHYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	0.2	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(1)
1,2-DIBROMOETHANE (EDB)	ug/L	0.05	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(1)
1,2-DICHLOROETHANE	ug/L	5.0	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)
1,2-DICHLOROETHYLENE, CIS	ug/L	70	--	--	ND(1)	ND(0.5)	ND(0.5)	--	--
1,2-DICHLOROETHYLENE, TRANS	ug/L	100	--	--	ND(1)	ND(0.5)	ND(0.5)	--	--
1,2-DICHLOROPROPANE	ug/L	5.0	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DICHLOROPROPYLENE	ug/L	--	--	--	--	ND(25)	ND(25)	--	--
1,3,5-TRIMETHYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,3-DICHLOROPROPANE	ug/L	--	ND(1)	ND(1)	ND(5)	ND(1)	ND(1)	ND(1)	ND(1)
1,3-DICHLOROPROPYLENE, CIS	ug/L	--	--	--	--	ND(1)	ND(1)	--	--
1,3-DICHLOROPROPYLENE, TOTAL	ug/L	--	--	--	--	--	--	ND(1)	--
1,3-DICHLOROPROPYLENE, TRANS	ug/L	--	--	--	--	ND(1)	ND(1)	--	--
2,2-DICHLOROPROPANE	ug/L	--	ND(1)	ND(1)	ND(5)	ND(1)	ND(1)	ND(1)	ND(1)
2-BUTANONE	ug/L	--	--	--	--	ND(25)	ND(25)	--	--
2-CHLOROETHYLVINYL ETHER	ug/L	--	--	--	--	ND(100)	ND(100)	--	--
2-HEXANONE	ug/L	--	--	--	--	ND(25)	ND(25)	--	--
4-METHYL-2-PENTANONE	ug/L	--	--	--	--	ND(25)	ND(25)	--	--
ACETONE	ug/L	--	--	--	--	ND(25)	ND(25)	--	--
ACROLIEN	ug/L	--	--	--	--	ND(25)	ND(25)	--	--
ACRYLONITRILE	ug/L	--	--	--	--	ND(25)	ND(25)	--	--
BENZENE	ug/L	5.0	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)
BIS(2-CHLOROETHOXY) METHANE	ug/L	--	--	--	--	ND(50)	ND(50)	--	--
BIS(2-CHLOROETHYL) ETHER	ug/L	--	--	--	--	ND(50)	ND(50)	--	--
BIS(2-CHLOROISOPROPYL) ETHER	ug/L	--	--	--	--	ND(25)	ND(25)	--	--
BROMOBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
BROMOCHLOROMETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
BROMODICHLOROMETHANE	ug/L	100 *	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)
BROMOFORM	ug/L	100 *	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)

Table 2
Summary of Groundwater Analytical Data (Volatile Organics)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-7	RW-7	RW-7	RW-7	RW-7	RW-8	RW-8
Sample Date:			05/18/89	09/25/89	05/01/90	07/16/91	11/18/91	09/30/88	05/18/89
Parameters	Units	MCL/SMCL							
Volatile Organics (Cont'd)									
BROMOMETHANE	ug/L	--	ND(5)	ND(5)	ND(5)	ND(2)	ND(2)	ND(10)	ND(5)
CARBON DISULFIDE	ug/L	--	--	--	--	ND(25)	ND(25)	--	--
CARBON TETRACHLORIDE	ug/L	5.0	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)
CHLOROBENZENE	ug/L	100	ND(1)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(1)	ND(1)
CHLORODIBROMOMETHANE (THM)	ug/L	--	--	--	--	--	--	ND(0.5)	--
CHLOROETHANE	ug/L	--	ND(5)	ND(5)	ND(50)	ND(1)	ND(1)	ND(20)	ND(5)
CHLOROFORM	ug/L	100 *	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)
CHLOROMETHANE	ug/L	--	ND(5)	ND(5)	ND(10)	ND(1)	ND(1)	ND(10)	ND(5)
CYCLOHEXANONE	ug/L	--	--	--	--	ND(25)	ND(25)	--	--
DIBROMOCHLOROMETHANE	ug/L	100 *	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)
DIBROMOMETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
DICHLORODIFLUOROMETHANE	ug/L	--	ND(5)	ND(5)	ND(5)	ND(1)	ND(1)	ND(1)	ND(5)
DICHLOROMETHANE	ug/L	--	--	--	--	--	--	ND(1)	--
ETHYL ETHER	ug/L	--	--	--	--	ND(25)	ND(25)	--	--
ETHYLBENZENE	ug/L	700	ND(1)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(1)	ND(1)
ETHYLENE DIBROMIDE (EDB)	ug/L	--	--	--	--	--	--	ND(1)	--
FLUOROTRICHLOROMETHANE	ug/L	--	--	--	--	--	--	ND(1)	--
HEXACHLOROBUTADIENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
ISOPROPYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
M-DICHLOROBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
M-XYLENE	ug/L	10000	--	--	--	--	--	ND(1)	--
METHYLENE CHLORIDE	ug/L	5.0	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(1)
N-BUTYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
N-PROPYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
NAPHTHALENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
O-CHLOROTOLUENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
O-DICHLOROBENZENE	ug/L	600	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
O-XYLENE	ug/L	10000	--	--	--	--	--	ND(1)	--
P-CHLOROTOLUENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
P-DICHLOROBENZENE	ug/L	75	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)
P-ISOPROPYLTOLUENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
P-XYLENE	ug/L	10000	--	--	--	--	--	ND(1)	--
SEC-BUTYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
STYRENE	ug/L	100	ND(1)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(1)	ND(1)
TERT-BUTYL ALCOHOL	ug/L	--	--	--	--	ND(25)	ND(25)	--	--
TERT-BUTYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
TETRACHLOROETHYLENE	ug/L	5.0	ND(1)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(1)	ND(1)
TETRAHYDROFURAN	ug/L	--	--	--	--	ND(25)	ND(25)	--	--
TOLUENE	ug/L	1000	ND(1)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(1)	ND(1)
TRICHLOROETHYLENE	ug/L	--	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)
TRICHLOROFLUOROMETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(1)

Table 2
Summary of Groundwater Analytical Data (Volatile Organics)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-7	RW-7	RW-7	RW-7	RW-7	RW-8	RW-8
Sample Date:			05/18/89	09/25/89	05/01/90	07/16/91	11/18/91	09/30/88	05/18/89
Parameters	Units	MCL/SMCL							
Volatile Organics (Cont'd)									
VINYL ACETATE	ug/L	--	--	--	--	ND(25)	ND(25)	--	--
VINYL CHLORIDE	ug/L	2.0	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)
XYLENES, TOTAL	ug/L	10000	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(1)

Table 2
Summary of Groundwater Analytical Data (Volatile Organics)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Date Printed: May 8, 1996
Time Printed: 1:52 pm

Location:			RW-8	RW-8	RW-8	RW-8	RW-9	RW-9	RW-10
Sample Date:			09/25/89	05/01/90	07/16/91	11/18/91	05/18/89	09/25/89	11/18/91
Parameters	Units	MCL/SMCL							
Volatile Organics									
1,1,1,2-TETRACHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,1-TRICHLOROETHANE	ug/L	200	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(0.5)
1,1,2,2-TETRACHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,2-TRICHLOROETHANE	ug/L	5.0	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHYLENE	ug/L	7.0	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(0.5)
1,1-DICHLOROETHYLENE, TOTAL	ug/L	7	--	--	--	--	ND(1)	--	--
1,1-DICHLOROPROPYLENE	ug/L	--	ND(1)	ND(5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2 DICHLOROETHYLENE	ug/L	70	--	--	--	--	--	--	--
1,2,3-TRICHLOROBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,3-TRICHLOROPROPANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,4-TRICHLOROBENZENE	ug/L	70	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,4-TRIMETHYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	0.2	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DIBROMOETHANE (EDB)	ug/L	0.05	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DICHLOROETHANE	ug/L	5.0	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(0.5)
1,2-DICHLOROETHYLENE, CIS	ug/L	70	--	ND(1)	ND(0.5)	ND(0.5)	--	--	ND(0.5)
1,2-DICHLOROETHYLENE, TRANS	ug/L	100	--	ND(1)	ND(0.5)	ND(0.5)	--	--	ND(0.5)
1,2-DICHLOROPROPANE	ug/L	5.0	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DICHLOROPROPYLENE	ug/L	--	--	--	ND(25)	ND(25)	--	--	ND(25)
1,3,5-TRIMETHYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,3-DICHLOROPROPANE	ug/L	--	ND(1)	ND(5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,3-DICHLOROPROPYLENE, CIS	ug/L	--	--	--	ND(1)	ND(1)	--	--	ND(1)
1,3-DICHLOROPROPYLENE, TOTAL	ug/L	--	--	--	--	--	--	--	--
1,3-DICHLOROPROPYLENE, TRANS	ug/L	--	--	--	ND(1)	ND(1)	--	--	ND(1)
2,2-DICHLOROPROPANE	ug/L	--	ND(1)	ND(5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
2-BUTANONE	ug/L	--	--	--	ND(25)	ND(25)	--	--	ND(25)
2-CHLOROETHYLVINYL ETHER	ug/L	--	--	--	ND(100)	ND(100)	--	--	ND(100)
2-HEXANONE	ug/L	--	--	--	ND(25)	ND(25)	--	--	ND(25)
4-METHYL-2-PENTANONE	ug/L	--	--	--	ND(25)	ND(25)	--	--	ND(25)
ACETONE	ug/L	--	--	--	ND(25)	ND(25)	--	--	ND(25)
ACROLIEN	ug/L	--	--	--	ND(25)	ND(25)	--	--	ND(25)
ACRYLONITRILE	ug/L	--	--	--	ND(25)	ND(25)	--	--	ND(25)
BENZENE	ug/L	5.0	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(0.5)
BIS(2-CHLOROETHOXY) METHANE	ug/L	--	--	--	ND(50)	ND(50)	--	--	ND(50)
BIS(2-CHLOROETHYL) ETHER	ug/L	--	--	--	ND(50)	ND(50)	--	--	ND(50)
BIS(2-CHLOROISOPROPYL) ETHER	ug/L	--	--	--	ND(25)	ND(25)	--	--	ND(25)
BROMOBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
BROMOCHLOROMETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
BROMODICHLOROMETHANE	ug/L	100 *	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(0.5)
BROMOFORM	ug/L	100 *	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(0.5)

Table 2
Summary of Groundwater Analytical Data (Volatile Organics)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-8	RW-8	RW-8	RW-8	RW-9	RW-9	RW-10
Sample Date:			09/25/89	05/01/90	07/16/91	11/18/91	05/18/89	09/25/89	11/18/91
Parameters	Units	MCL/SMCL							
Volatile Organics (Cont'd)									
BROMOMETHANE	ug/L	--	ND(5)	ND(5)	ND(2)	ND(2)	ND(5)	ND(5)	ND(2)
CARBON DISULFIDE	ug/L	--	--	--	ND(25)	ND(25)	--	--	ND(25)
CARBON TETRACHLORIDE	ug/L	5.0	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(0.5)
CHLOROBENZENE	ug/L	100	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(0.5)
CHLORODIBROMOMETHANE (THM)	ug/L	--	--	--	--	--	--	--	--
CHLOROETHANE	ug/L	--	ND(5)	ND(50)	ND(1)	ND(1)	ND(5)	ND(5)	ND(1)
CHLOROFORM	ug/L	100 *	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(0.5)
CHLOROMETHANE	ug/L	--	ND(5)	ND(10)	ND(1)	ND(1)	ND(5)	ND(5)	ND(1)
CYCLOHEXANONE	ug/L	--	--	--	ND(25)	ND(25)	--	--	ND(25)
DIBROMOCHLOROMETHANE	ug/L	100 *	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(0.5)
DIBROMOMETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
DICHLORODIFLUOROMETHANE	ug/L	--	ND(5)	ND(5)	ND(1)	ND(1)	ND(5)	ND(5)	ND(1)
DICHLOROMETHANE	ug/L	--	--	--	--	--	--	--	--
ETHYL ETHER	ug/L	--	--	--	ND(25)	ND(25)	--	--	ND(25)
ETHYLBENZENE	ug/L	700	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(0.5)
ETHYLENE DIBROMIDE (EDB)	ug/L	--	--	--	--	--	--	--	--
FLUOROTRICHLOROMETHANE	ug/L	--	--	--	--	--	--	--	--
HEXACHLOROBUTADIENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
ISOPROPYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
M-DICHLOROBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
M-XYLENE	ug/L	10000	--	--	--	--	--	--	--
METHYLENE CHLORIDE	ug/L	5.0	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
N-BUTYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
N-PROPYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
NAPHTHALENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
O-CHLOROTOLUENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
O-DICHLOROBENZENE	ug/L	600	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
O-XYLENE	ug/L	10000	--	--	--	--	--	--	--
P-CHLOROTOLUENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
P-DICHLOROBENZENE	ug/L	75	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(0.5)
P-ISOPROPYLTOLUENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
P-XYLENE	ug/L	10000	--	--	--	--	--	--	--
SEC-BUTYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
STYRENE	ug/L	100	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(0.5)
TERT-BUTYL ALCOHOL	ug/L	--	--	--	ND(25)	ND(25)	--	--	ND(25)
TERT-BUTYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
TETRACHLOROETHYLENE	ug/L	5.0	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(0.5)
TETRAHYDROFURAN	ug/L	--	--	--	ND(25)	ND(25)	--	--	ND(25)
TOLUENE	ug/L	1000	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(0.5)
TRICHLOROETHYLENE	ug/L	--	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(0.5)
TRICHLOROFLUOROMETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)

Table 2
Summary of Groundwater Analytical Data (Volatile Organics)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-8	RW-8	RW-8	RW-8	RW-9	RW-9	RW-10
Sample Date:			09/25/89	05/01/90	07/16/91	11/18/91	05/18/89	09/25/89	11/18/91
Parameters	Units	MCL/SMCL							
Volatile Organics (Cont'd)									
VINYL ACETATE	ug/L	--	--	--	ND(25)	ND(25)	--	--	ND(25)
VINYL CHLORIDE	ug/L	2.0	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(0.5)
XYLENES, TOTAL	ug/L	10000	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)

Table 2
Summary of Groundwater Analytical Data (Volatile Organics)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Date Printed: May 8, 1996
Time Printed: 1:52 pm

Location:			RW-11	RW-11	RW-11	RW-11	RW-11	RW-11	RW-12
Sample Date:			09/30/88	05/18/89	09/25/89	05/01/90	07/16/91	11/18/91	05/01/90
Parameters	Units	MCL/SMCL							
Volatile Organics									
1,1,1,2-TETRACHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,1-TRICHLOROETHANE	ug/L	200	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
1,1,2,2-TETRACHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,2-TRICHLOROETHANE	ug/L	5.0	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHYLENE	ug/L	7.0	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
1,1-DICHLOROETHYLENE, TOTAL	ug/L	7	--	ND(1)	--	--	--	--	--
1,1-DICHLOROPROPYLENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(1)	ND(5)
1,2 DICHLOROETHYLENE	ug/L	70	ND(1)	--	--	--	--	--	--
1,2,3-TRICHLOROBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,3-TRICHLOROPROPANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,4-TRICHLOROBENZENE	ug/L	70	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,4-TRIMETHYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	0.2	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DIBROMOETHANE (EDB)	ug/L	0.05	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DICHLOROETHANE	ug/L	5.0	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
1,2-DICHLOROETHYLENE, CIS	ug/L	70	--	--	--	ND(1)	ND(0.5)	ND(0.5)	ND(1)
1,2-DICHLOROETHYLENE, TRANS	ug/L	100	--	--	--	ND(1)	ND(0.5)	ND(0.5)	ND(1)
1,2-DICHLOROPROPANE	ug/L	5.0	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DICHLOROPROPYLENE	ug/L	--	--	--	--	--	ND(25)	ND(25)	--
1,3,5-TRIMETHYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,3-DICHLOROPROPANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(1)	ND(5)
1,3-DICHLOROPROPYLENE, CIS	ug/L	--	--	--	--	--	ND(1)	ND(1)	--
1,3-DICHLOROPROPYLENE, TOTAL	ug/L	--	ND(1)	--	--	--	--	--	--
1,3-DICHLOROPROPYLENE, TRANS	ug/L	--	--	--	--	--	ND(1)	ND(1)	--
2,2-DICHLOROPROPANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(1)	ND(5)
2-BUTANONE	ug/L	--	--	--	--	--	ND(25)	ND(25)	--
2-CHLOROETHYLVINYL ETHER	ug/L	--	--	--	--	--	ND(100)	ND(100)	--
2-HEXANONE	ug/L	--	--	--	--	--	ND(25)	ND(25)	--
4-METHYL-2-PENTANONE	ug/L	--	--	--	--	--	ND(25)	ND(25)	--
ACETONE	ug/L	--	--	--	--	--	ND(25)	ND(25)	--
ACROLIEN	ug/L	--	--	--	--	--	ND(25)	ND(25)	--
ACRYLONITRILE	ug/L	--	--	--	--	--	ND(25)	ND(25)	--
BENZENE	ug/L	5.0	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
BIS(2-CHLOROETHOXY) METHANE	ug/L	--	--	--	--	--	ND(50)	ND(50)	--
BIS(2-CHLOROETHYL) ETHER	ug/L	--	--	--	--	--	ND(50)	ND(50)	--
BIS(2-CHLOROISOPROPYL) ETHER	ug/L	--	--	--	--	--	ND(25)	ND(25)	--
BROMOBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
BROMOCHLOROMETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
BROMODICHLOROMETHANE	ug/L	100 *	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
BROMOFORM	ug/L	100 *	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)

Table 2
Summary of Groundwater Analytical Data (Volatile Organics)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-11	RW-11	RW-11	RW-11	RW-11	RW-11	RW-12
Sample Date:			09/30/88	05/18/89	09/25/89	05/01/90	07/16/91	11/18/91	05/01/90
Parameters	Units	MCL/SMCL							
Volatile Organics (Cont'd)									
BROMOMETHANE	ug/L	--	ND(10)	ND(5)	ND(5)	ND(5)	ND(2)	ND(2)	ND(5)
CARBON DISULFIDE	ug/L	--	--	--	--	--	ND(25)	ND(25)	--
CARBON TETRACHLORIDE	ug/L	5.0	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
CHLOROBENZENE	ug/L	100	ND(1)	ND(1)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(1)
CHLORODIBROMOMETHANE (THM)	ug/L	--	ND(0.5)	--	--	--	--	--	--
CHLOROETHANE	ug/L	--	ND(20)	ND(5)	ND(5)	ND(50)	ND(1)	ND(1)	ND(50)
CHLOROFORM	ug/L	100 *	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
CHLOROMETHANE	ug/L	--	ND(10)	ND(5)	ND(5)	ND(10)	ND(1)	ND(1)	ND(10)
CYCLOHEXANONE	ug/L	--	--	--	--	--	ND(25)	ND(25)	--
DIBROMOCHLOROMETHANE	ug/L	100 *	ND(1)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
DIBROMOMETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
DICHLORODIFLUOROMETHANE	ug/L	--	ND(1)	ND(5)	ND(5)	ND(5)	ND(1)	ND(1)	ND(5)
DICHLOROMETHANE	ug/L	--	ND(1)	--	--	--	--	--	--
ETHYL ETHER	ug/L	--	--	--	--	--	ND(25)	ND(25)	--
ETHYLBENZENE	ug/L	700	ND(1)	ND(1)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(1)
ETHYLENE DIBROMIDE (EDB)	ug/L	--	ND(1)	--	--	--	--	--	--
FLUOROTRICHLOROMETHANE	ug/L	--	ND(1)	--	--	--	--	--	--
HEXACHLOROBUTADIENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
ISOPROPYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
M-DICHLOROBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
M-XYLENE	ug/L	10000	ND(1)	--	--	--	--	--	--
METHYLENE CHLORIDE	ug/L	5.0	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
N-BUTYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
N-PROPYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
NAPHTHALENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
O-CHLOROTOLUENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
O-DICHLOROBENZENE	ug/L	600	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
O-XYLENE	ug/L	10000	ND(1)	--	--	--	--	--	--
P-CHLOROTOLUENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
P-DICHLOROBENZENE	ug/L	75	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
P-ISOPROPYLTOLUENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
P-XYLENE	ug/L	10000	ND(1)	--	--	--	--	--	--
SEC-BUTYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
STYRENE	ug/L	100	ND(1)	ND(1)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(1)
TERT-BUTYL ALCOHOL	ug/L	--	--	--	--	--	ND(25)	ND(25)	--
TERT-BUTYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
TETRACHLOROETHYLENE	ug/L	5.0	ND(1)	ND(1)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(1)
TETRAHYDROFURAN	ug/L	--	--	--	--	--	ND(25)	ND(25)	--
TOLUENE	ug/L	1000	ND(1)	ND(1)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(1)
TRICHLOROETHYLENE	ug/L	--	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
TRICHLOROFLUOROMETHANE	ug/L	--	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)

Table 2
Summary of Groundwater Analytical Data (Volatile Organics)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-11	RW-11	RW-11	RW-11	RW-11	RW-11	RW-12
Sample Date:			09/30/88	05/18/89	09/25/89	05/01/90	07/16/91	11/18/91	05/01/90
Parameters	Units	MCL/SMCL							
Volatile Organics (Cont'd)									
VINYL ACETATE	ug/L	--	--	--	--	--	ND(25)	ND(25)	--
VINYL CHLORIDE	ug/L	2.0	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
XYLENES, TOTAL	ug/L	10000	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)

Table 2
Summary of Groundwater Analytical Data (Volatile Organics)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-12	RW-12	RW-12	RW-12	RW-12	RW-12	RW-12
Sample Date:			05/01/90	03/28/91	07/16/91	11/18/91	04/29/92	11/30/92	04/23/93
			Dupl.						
Parameters	Units	MCL/SMCL							
Volatile Organics									
1,1,1,2-TETRACHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,1-TRICHLOROETHANE	ug/L	200	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
1,1,2,2-TETRACHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,2-TRICHLOROETHANE	ug/L	5.0	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHYLENE	ug/L	7.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
1,1-DICHLOROETHYLENE, TOTAL	ug/L	7	--	--	--	--	--	--	--
1,1-DICHLOROPROPYLENE	ug/L	--	ND(5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2 DICHLOROETHYLENE	ug/L	70	--	--	--	--	--	--	--
1,2,3-TRICHLOROBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,3-TRICHLOROPROPANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,4-TRICHLOROBENZENE	ug/L	70	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,4-TRIMETHYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	0.2	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DIBROMOETHANE (EDB)	ug/L	0.05	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DICHLOROETHANE	ug/L	5.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
1,2-DICHLOROETHYLENE, CIS	ug/L	70	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
1,2-DICHLOROETHYLENE, TRANS	ug/L	100	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
1,2-DICHLOROPROPANE	ug/L	5.0	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DICHLOROPROPYLENE	ug/L	--	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
1,3,5-TRIMETHYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,3-DICHLOROPROPANE	ug/L	--	ND(5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,3-DICHLOROPROPYLENE, CIS	ug/L	--	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,3-DICHLOROPROPYLENE, TOTAL	ug/L	--	--	--	--	--	--	--	--
1,3-DICHLOROPROPYLENE, TRANS	ug/L	--	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
2,2-DICHLOROPROPANE	ug/L	--	ND(5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
2-BUTANONE	ug/L	--	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
2-CHLOROETHYLVINYL ETHER	ug/L	--	--	--	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)
2-HEXANONE	ug/L	--	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
4-METHYL-2-PENTANONE	ug/L	--	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
ACETONE	ug/L	--	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
ACROLIEN	ug/L	--	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
ACRYLONITRILE	ug/L	--	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
BENZENE	ug/L	5.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
BIS(2-CHLOROETHOXY) METHANE	ug/L	--	--	--	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
BIS(2-CHLOROETHYL) ETHER	ug/L	--	--	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
BIS(2-CHLOROISOPROPYL) ETHER	ug/L	--	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
BROMOBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
BROMOCHLOROMETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
BROMODICHLOROMETHANE	ug/L	100 *	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
BROMOFORM	ug/L	100 *	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)

Table 2
Summary of Groundwater Analytical Data (Volatile Organics)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-12	RW-12	RW-12	RW-12	RW-12	RW-12	RW-12
Sample Date:			05/01/90	03/28/91	07/16/91	11/18/91	04/29/92	11/30/92	04/23/93
			Dupl.						
Parameters	Units	MCL/SMCL							
Volatile Organics (Cont'd)									
BROMOMETHANE	ug/L	--	ND(5)	ND(20)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)
CARBON DISULFIDE	ug/L	--	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
CARBON TETRACHLORIDE	ug/L	5.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
CHLOROBENZENE	ug/L	100	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
CHLORODIBROMOMETHANE (THM)	ug/L	--	--	--	--	--	--	--	--
CHLOROETHANE	ug/L	--	ND(50)	ND(10)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
CHLOROFORM	ug/L	100 *	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
CHLOROMETHANE	ug/L	--	ND(10)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
CYCLOHEXANONE	ug/L	--	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
DIBROMOCHLOROMETHANE	ug/L	100 *	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
DIBROMOMETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
DICHLORODIFLUOROMETHANE	ug/L	--	ND(5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
DICHLOROMETHANE	ug/L	--	--	--	--	--	--	--	--
ETHYL ETHER	ug/L	--	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
ETHYLBENZENE	ug/L	700	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
ETHYLENE DIBROMIDE (EDB)	ug/L	--	--	--	--	--	--	--	--
FLUOROTRICHLOROMETHANE	ug/L	--	--	--	--	--	--	--	--
HEXACHLOROBUTADIENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
ISOPROPYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
M-DICHLOROBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
M-XYLENE	ug/L	10000	--	--	--	--	--	--	--
METHYLENE CHLORIDE	ug/L	5.0	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
N-BUTYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
N-PROPYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
NAPHTHALENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
O-CHLOROTOLUENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
O-DICHLOROBENZENE	ug/L	600	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
O-XYLENE	ug/L	10000	--	--	--	--	--	--	--
P-CHLOROTOLUENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
P-DICHLOROBENZENE	ug/L	75	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
P-ISOPROPYLTOLUENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
P-XYLENE	ug/L	10000	--	--	--	--	--	--	--
SEC-BUTYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
STYRENE	ug/L	100	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
TERT-BUTYL ALCOHOL	ug/L	--	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
TERT-BUTYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
TETRACHLOROETHYLENE	ug/L	5.0	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
TETRAHYDROFURAN	ug/L	--	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
TOLUENE	ug/L	1000	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
TRICHLOROETHYLENE	ug/L	--	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
TRICHLOROFLUOROMETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)

Table 2
Summary of Groundwater Analytical Data (Volatile Organics)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-12	RW-12	RW-12	RW-12	RW-12	RW-12	RW-12
Sample Date:			05/01/90	03/28/91	07/16/91	11/18/91	04/29/92	11/30/92	04/23/93
			Dupl.						
Parameters	Units	MCL/SMCL							
Volatile Organics (Cont'd)									
VINYL ACETATE	ug/L	--	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
VINYL CHLORIDE	ug/L	2.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
XYLENES, TOTAL	ug/L	10000	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)

Table 2
Summary of Groundwater Analytical Data (Volatile Organics)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-12	RW-12	RW-12	RW-12	RW-12	RW-12	RW-12
Sample Date:			09/03/93	12/09/93	04/28/94	07/11/94	09/08/94	11/30/94	05/11/95
Parameters	Units	MCL/SMCL							
Volatile Organics									
1,1,1,2-TETRACHLOROETHANE	ug/L	–	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,1-TRICHLOROETHANE	ug/L	200	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
1,1,2,2-TETRACHLOROETHANE	ug/L	–	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,2-TRICHLOROETHANE	ug/L	5.0	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHANE	ug/L	–	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHYLENE	ug/L	7.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
1,1-DICHLOROETHYLENE, TOTAL	ug/L	7	–	–	–	–	–	–	–
1,1-DICHLOROPROPYLENE	ug/L	–	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2 DICHLOROETHYLENE	ug/L	70	–	–	–	–	–	–	–
1,2,3-TRICHLOROBENZENE	ug/L	–	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,3-TRICHLOROPROPANE	ug/L	–	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,4-TRICHLOROBENZENE	ug/L	70	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,4-TRIMETHYLBENZENE	ug/L	–	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	0.2	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DIBROMOETHANE (EDB)	ug/L	0.05	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DICHLOROETHANE	ug/L	5.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
1,2-DICHLOROETHYLENE, CIS	ug/L	70	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
1,2-DICHLOROETHYLENE, TRANS	ug/L	100	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
1,2-DICHLOROPROPANE	ug/L	5.0	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DICHLOROPROPYLENE	ug/L	–	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
1,3,5-TRIMETHYLBENZENE	ug/L	–	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,3-DICHLOROPROPANE	ug/L	–	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,3-DICHLOROPROPYLENE, CIS	ug/L	–	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,3-DICHLOROPROPYLENE, TOTAL	ug/L	–	–	–	–	–	–	–	–
1,3-DICHLOROPROPYLENE, TRANS	ug/L	–	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
2,2-DICHLOROPROPANE	ug/L	–	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
2-BUTANONE	ug/L	–	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
2-CHLOROETHYLVINYL ETHER	ug/L	–	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)
2-HEXANONE	ug/L	–	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
4-METHYL-2-PENTANONE	ug/L	–	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
ACETONE	ug/L	–	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
ACROLIEN	ug/L	–	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
ACRYLONITRILE	ug/L	–	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
BENZENE	ug/L	5.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
BIS(2-CHLOROETHOXY) METHANE	ug/L	–	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
BIS(2-CHLOROETHYL) ETHER	ug/L	–	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
BIS(2-CHLOROISOPROPYL) ETHER	ug/L	–	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
BROMOBENZENE	ug/L	–	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
BROMOCHLOROMETHANE	ug/L	–	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
BROMODICHLOROMETHANE	ug/L	100 *	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
BROMOFORM	ug/L	100 *	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)

Table 2
Summary of Groundwater Analytical Data (Volatile Organics)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Date Printed: May 8, 1996
Time Printed: 1:53 pm

Location:			RW-12	RW-12	RW-12	RW-12	RW-12	RW-12	RW-12
Sample Date:			09/03/93	12/09/93	04/28/94	07/11/94	09/08/94	11/30/94	05/11/95
Parameters	Units	MCL/SMCL							
Volatile Organics (Cont'd)									
BROMOMETHANE	ug/L	--	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)
CARBON DISULFIDE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
CARBON TETRACHLORIDE	ug/L	5.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
CHLOROBENZENE	ug/L	100	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
CHLORODIBROMOMETHANE (THM)	ug/L	--	--	--	--	--	--	--	--
CHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
CHLOROFORM	ug/L	100 *	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
CHLOROMETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
CYCLOHEXANONE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
DIBROMOCHLOROMETHANE	ug/L	100 *	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
DIBROMOMETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
DICHLORODIFLUOROMETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
DICHLOROMETHANE	ug/L	--	--	--	--	--	--	--	--
ETHYL ETHER	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
ETHYLBENZENE	ug/L	700	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
ETHYLENE DIBROMIDE (EDB)	ug/L	--	--	--	--	--	--	--	--
FLUOROTRICHLOROMETHANE	ug/L	--	--	--	--	--	--	--	--
HEXACHLOROBUTADIENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
ISOPROPYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
M-DICHLOROBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
M-XYLENE	ug/L	10000	--	--	--	--	--	--	--
METHYLENE CHLORIDE	ug/L	5.0	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
N-BUTYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
N-PROPYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
NAPHTHALENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
O-CHLOROTOLUENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
O-DICHLOROBENZENE	ug/L	600	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
O-XYLENE	ug/L	10000	--	--	--	--	--	--	--
P-CHLOROTOLUENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
P-DICHLOROBENZENE	ug/L	75	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
P-ISOPROPYLTOLUENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
P-XYLENE	ug/L	10000	--	--	--	--	--	--	--
SEC-BUTYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
STYRENE	ug/L	100	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
TERT-BUTYL ALCOHOL	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
TERT-BUTYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
TETRACHLOROETHYLENE	ug/L	5.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
TETRAHYDROFURAN	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
TOLUENE	ug/L	1000	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
TRICHLOROETHYLENE	ug/L	--	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
TRICHLOROFLUOROMETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)

Table 2
Summary of Groundwater Analytical Data (Volatile Organics)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-12	RW-12	RW-12	RW-12	RW-12	RW-12	RW-12
Sample Date:			09/03/93	12/09/93	04/28/94	07/11/94	09/08/94	11/30/94	05/11/95
Parameters	Units	MCL/SMCL							
Volatile Organics (Cont'd)									
VINYL ACETATE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
VINYL CHLORIDE	ug/L	2.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
XYLENES, TOTAL	ug/L	10000	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)

Table 2
Summary of Groundwater Analytical Data (Volatile Organics)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-12	RW-13	RW-13	RW-13	RW-13	RW-13	RW-13
Sample Date:			07/05/95	07/16/91	11/18/91	04/29/92	11/30/92	04/23/93	09/03/93
Parameters	Units	MCL/SMCL							
Volatile Organics									
1,1,1,2-TETRACHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,1-TRICHLOROETHANE	ug/L	200	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
1,1,2,2-TETRACHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,2-TRICHLOROETHANE	ug/L	5.0	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHYLENE	ug/L	7.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
1,1-DICHLOROETHYLENE, TOTAL	ug/L	7	--	--	--	--	--	--	--
1,1-DICHLOROPROPYLENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2 DICHLOROETHYLENE	ug/L	70	--	--	--	--	--	--	--
1,2,3-TRICHLOROBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,3-TRICHLOROPROPANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,4-TRICHLOROBENZENE	ug/L	70	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,4-TRIMETHYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	0.2	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DIBROMOETHANE (EDB)	ug/L	0.05	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DICHLOROETHANE	ug/L	5.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
1,2-DICHLOROETHYLENE, CIS	ug/L	70	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
1,2-DICHLOROETHYLENE, TRANS	ug/L	100	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
1,2-DICHLOROPROPANE	ug/L	5.0	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DICHLOROPROPYLENE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
1,3,5-TRIMETHYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,3-DICHLOROPROPANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,3-DICHLOROPROPYLENE, CIS	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,3-DICHLOROPROPYLENE, TOTAL	ug/L	--	--	--	--	--	--	--	--
1,3-DICHLOROPROPYLENE, TRANS	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
2,2-DICHLOROPROPANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
2-BUTANONE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
2-CHLOROETHYLVINYL ETHER	ug/L	--	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)
2-HEXANONE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
4-METHYL-2-PENTANONE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
ACETONE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
ACROLIEN	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
ACRYLONITRILE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
BENZENE	ug/L	5.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
BIS(2-CHLOROETHOXY) METHANE	ug/L	--	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
BIS(2-CHLOROETHYL) ETHER	ug/L	--	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
BIS(2-CHLOROISOPROPYL) ETHER	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
BROMOBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
BROMOCHLOROMETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
BROMODICHLOROMETHANE	ug/L	100 *	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
BROMOFORM	ug/L	100 *	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)

Table 2
Summary of Groundwater Analytical Data (Volatile Organics)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Date Printed: May 8, 1996
Time Printed: 1:53 pm

Location:			RW-12	RW-13	RW-13	RW-13	RW-13	RW-13	RW-13
Sample Date:			07/05/95	07/16/91	11/18/91	04/29/92	11/30/92	04/23/93	09/03/93
Parameters	Units	MCL/SMCL							
Volatile Organics (Cont'd)									
BROMOMETHANE	ug/L	--	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)
CARBON DISULFIDE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
CARBON TETRACHLORIDE	ug/L	5.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
CHLOROBENZENE	ug/L	100	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
CHLORODIBROMOMETHANE (THM)	ug/L	--	--	--	--	--	--	--	--
CHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
CHLOROFORM	ug/L	100 *	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
CHLOROMETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
CYCLOHEXANONE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
DIBROMOCHLOROMETHANE	ug/L	100 *	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
DIBROMOMETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
DICHLORODIFLUOROMETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
DICHLOROMETHANE	ug/L	--	--	--	--	--	--	--	--
ETHYL ETHER	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
ETHYLBENZENE	ug/L	700	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
ETHYLENE DIBROMIDE (EDB)	ug/L	--	--	--	--	--	--	--	--
FLUOROTRICHLOROMETHANE	ug/L	--	--	--	--	--	--	--	--
HEXACHLOROBUTADIENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
ISOPROPYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
M-DICHLOROBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
M-XYLENE	ug/L	10000	--	--	--	--	--	--	--
METHYLENE CHLORIDE	ug/L	5.0	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
N-BUTYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
N-PROPYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
NAPHTHALENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
O-CHLOROTOLUENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
O-DICHLOROBENZENE	ug/L	600	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
O-XYLENE	ug/L	10000	--	--	--	--	--	--	--
P-CHLOROTOLUENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
P-DICHLOROBENZENE	ug/L	75	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
P-ISOPROPYLTOLUENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
P-XYLENE	ug/L	10000	--	--	--	--	--	--	--
SEC-BUTYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
STYRENE	ug/L	100	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
TERT-BUTYL ALCOHOL	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
TERT-BUTYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
TETRACHLOROETHYLENE	ug/L	5.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
TETRAHYDROFURAN	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
TOLUENE	ug/L	1000	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
TRICHLOROETHYLENE	ug/L	--	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
TRICHLOROFLUOROMETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)

Table 2
Summary of Groundwater Analytical Data (Volatile Organics)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-12	RW-13	RW-13	RW-13	RW-13	RW-13	RW-13
Sample Date:			07/05/95	07/16/91	11/18/91	04/29/92	11/30/92	04/23/93	09/03/93
Parameters	Units	MCL/SMCL							
Volatile Organics (Cont'd)									
VINYL ACETATE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
VINYL CHLORIDE	ug/L	2.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
XYLENES, TOTAL	ug/L	10000	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)

Table 2
Summary of Groundwater Analytical Data (Volatile Organics)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-13	RW-13	RW-13	RW-14	RW-14	RW-14	RW-14
Sample Date:			04/28/94	09/08/94	05/11/95	09/30/88	05/18/89	05/18/89 Dupl.	09/25/89
Parameters	Units	MCL/SMCL							
Volatile Organics									
1,1,1,2-TETRACHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,1-TRICHLOROETHANE	ug/L	200	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)
1,1,2,2-TETRACHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,2-TRICHLOROETHANE	ug/L	5.0	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHYLENE	ug/L	7.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHYLENE, TOTAL	ug/L	7	--	--	--	--	ND(1)	ND(1)	--
1,1-DICHLOROPROPYLENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2 DICHLOROETHYLENE	ug/L	70	--	--	--	ND(1)	--	--	--
1,2,3-TRICHLOROBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,3-TRICHLOROPROPANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,4-TRICHLOROBENZENE	ug/L	70	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,4-TRIMETHYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	0.2	ND(1)	ND(1)	ND(1)	--	ND(1)	ND(1)	ND(1)
1,2-DIBROMOETHANE (EDB)	ug/L	0.05	ND(1)	ND(1)	ND(1)	--	ND(1)	ND(1)	ND(1)
1,2-DICHLOROETHANE	ug/L	5.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)
1,2-DICHLOROETHYLENE, CIS	ug/L	70	ND(0.5)	ND(0.5)	ND(0.5)	--	--	--	--
1,2-DICHLOROETHYLENE, TRANS	ug/L	100	ND(0.5)	ND(0.5)	ND(0.5)	--	--	--	--
1,2-DICHLOROPROPANE	ug/L	5.0	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DICHLOROPROPYLENE	ug/L	--	ND(25)	ND(25)	ND(25)	--	--	--	--
1,3,5-TRIMETHYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,3-DICHLOROPROPANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,3-DICHLOROPROPYLENE, CIS	ug/L	--	ND(1)	ND(1)	ND(1)	--	--	--	--
1,3-DICHLOROPROPYLENE, TOTAL	ug/L	--	--	--	--	ND(1)	--	--	--
1,3-DICHLOROPROPYLENE, TRANS	ug/L	--	ND(1)	ND(1)	ND(1)	--	--	--	--
2,2-DICHLOROPROPANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
2-BUTANONE	ug/L	--	ND(25)	ND(25)	ND(25)	--	--	--	--
2-CHLOROETHYLVINYL ETHER	ug/L	--	ND(100)	ND(100)	ND(100)	--	--	--	--
2-HEXANONE	ug/L	--	ND(25)	ND(25)	ND(25)	--	--	--	--
4-METHYL-2-PENTANONE	ug/L	--	ND(25)	ND(25)	ND(25)	--	--	--	--
ACETONE	ug/L	--	ND(25)	ND(25)	ND(25)	--	--	--	--
ACROLIEN	ug/L	--	ND(25)	ND(25)	ND(25)	--	--	--	--
ACRYLONITRILE	ug/L	--	ND(25)	ND(25)	ND(25)	--	--	--	--
BENZENE	ug/L	5.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)
BIS(2-CHLOROETHOXY) METHANE	ug/L	--	ND(50)	ND(50)	ND(50)	--	--	--	--
BIS(2-CHLOROETHYL) ETHER	ug/L	--	ND(50)	ND(50)	ND(50)	--	--	--	--
BIS(2-CHLOROISOPROPYL) ETHER	ug/L	--	ND(25)	ND(25)	ND(25)	--	--	--	--
BROMOBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
BROMOCHLOROMETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
BROMODICHLOROMETHANE	ug/L	100 *	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)
BROMOFORM	ug/L	100 *	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)

Table 2
Summary of Groundwater Analytical Data (Volatile Organics)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-13	RW-13	RW-13	RW-14	RW-14	RW-14	RW-14
Sample Date:			04/28/94	09/08/94	05/11/95	09/30/88	05/18/89	05/18/89 Dupl.	09/25/89
Parameters	Units	MCL/SMCL							
Volatile Organics (Cont'd)									
VINYL ACETATE	ug/L	--	ND(25)	ND(25)	ND(25)	--	--	--	--
VINYL CHLORIDE	ug/L	2.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)
XYLENES, TOTAL	ug/L	10000	ND(1)	ND(1)	ND(1)	--	ND(1)	ND(1)	ND(1)

Table 2
Summary of Groundwater Analytical Data (Volatile Organics)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-14	RW-14	RW-14	RW-15	RW-15	RW-15	RW-16
Sample Date:			05/01/90	07/16/91	11/18/91	09/30/88	05/18/89	04/28/94	09/30/88
Parameters	Units	MCL/SMCL							
Volatile Organics									
1,1,1,2-TETRACHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,1-TRICHLOROETHANE	ug/L	200	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(0.5)	ND(0.5)
1,1,2,2-TETRACHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,2-TRICHLOROETHANE	ug/L	5.0	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHYLENE	ug/L	7.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(0.5)	ND(0.5)
1,1-DICHLOROETHYLENE, TOTAL	ug/L	7	--	--	--	--	ND(1)	--	--
1,1-DICHLOROPROPYLENE	ug/L	--	ND(5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2 DICHLOROETHYLENE	ug/L	70	--	--	--	ND(1)	--	--	ND(1)
1,2,3-TRICHLOROBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,3-TRICHLOROPROPANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,4-TRICHLOROBENZENE	ug/L	70	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,4-TRIMETHYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	0.2	ND(1)	ND(1)	ND(1)	--	ND(1)	ND(1)	--
1,2-DIBROMOETHANE (EDB)	ug/L	0.05	ND(1)	ND(1)	ND(1)	--	ND(1)	ND(1)	--
1,2-DICHLOROETHANE	ug/L	5.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(0.5)	ND(0.5)
1,2-DICHLOROETHYLENE, CIS	ug/L	70	ND(1)	ND(0.5)	ND(0.5)	--	--	ND(0.5)	--
1,2-DICHLOROETHYLENE, TRANS	ug/L	100	ND(1)	ND(0.5)	ND(0.5)	--	--	ND(0.5)	--
1,2-DICHLOROPROPANE	ug/L	5.0	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DICHLOROPROPYLENE	ug/L	--	--	ND(25)	ND(25)	--	--	ND(25)	--
1,3,5-TRIMETHYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,3-DICHLOROPROPANE	ug/L	--	ND(5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,3-DICHLOROPROPYLENE, CIS	ug/L	--	--	ND(1)	ND(1)	--	--	ND(1)	--
1,3-DICHLOROPROPYLENE, TOTAL	ug/L	--	--	--	--	ND(1)	--	--	ND(1)
1,3-DICHLOROPROPYLENE, TRANS	ug/L	--	--	ND(1)	ND(1)	--	--	ND(1)	--
2,2-DICHLOROPROPANE	ug/L	--	ND(5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
2-BUTANONE	ug/L	--	--	ND(25)	ND(25)	--	--	ND(25)	--
2-CHLOROETHYLVINYL ETHER	ug/L	--	--	ND(100)	ND(100)	--	--	ND(100)	--
2-HEXANONE	ug/L	--	--	ND(25)	ND(25)	--	--	ND(25)	--
4-METHYL-2-PENTANONE	ug/L	--	--	ND(25)	ND(25)	--	--	ND(25)	--
ACETONE	ug/L	--	--	ND(25)	ND(25)	--	--	ND(25)	--
ACROLIEN	ug/L	--	--	ND(25)	ND(25)	--	--	ND(25)	--
ACRYLONITRILE	ug/L	--	--	ND(25)	ND(25)	--	--	ND(25)	--
BENZENE	ug/L	5.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(0.5)	ND(0.5)
BIS(2-CHLOROETHOXY) METHANE	ug/L	--	--	ND(50)	ND(50)	--	--	ND(50)	--
BIS(2-CHLOROETHYL) ETHER	ug/L	--	--	ND(50)	ND(50)	--	--	ND(50)	--
BIS(2-CHLOROISOPROPYL) ETHER	ug/L	--	--	ND(25)	ND(25)	--	--	ND(25)	--
BROMOBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
BROMOCHLOROMETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
BROMODICHLOROMETHANE	ug/L	100 *	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(0.5)	ND(0.5)
BROMOFORM	ug/L	100 *	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(0.5)	ND(0.5)

Table 2
Summary of Groundwater Analytical Data (Volatile Organics)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-14	RW-14	RW-14	RW-15	RW-15	RW-15	RW-16
Sample Date:			05/01/90	07/16/91	11/18/91	09/30/88	05/18/89	04/28/94	09/30/88
Parameters	Units	MCL/SMCL							
Volatile Organics (Cont'd)									
VINYL ACETATE	ug/L	--	--	ND(25)	ND(25)	--	--	ND(25)	--
VINYL CHLORIDE	ug/L	2.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(0.5)	ND(0.5)
XYLENES, TOTAL	ug/L	10000	ND(1)	ND(1)	ND(1)	--	ND(1)	ND(1)	--

Table 2
Summary of Groundwater Analytical Data (Volatile Organics)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-16	RW-17	RW-18	RW-18	RW-18	RW-18	RW-18
Sample Date:			05/18/89	09/03/93	09/30/88	05/18/89	09/25/89	09/25/89	05/01/90
								Dupl.	
Parameters	Units	MCL/SMCL							
Volatile Organics									
1,1,1,2-TETRACHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,1-TRICHLOROETHANE	ug/L	200	ND(1)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	ND(0.5)
1,1,2,2-TETRACHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,2-TRICHLOROETHANE	ug/L	5.0	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHYLENE	ug/L	7.0	ND(1)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	ND(0.5)
1,1-DICHLOROETHYLENE, TOTAL	ug/L	7	ND(1)	--	--	ND(1)	--	--	--
1,1-DICHLOROPROPYLENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)
1,2 DICHLOROETHYLENE	ug/L	70	--	--	ND(1)	--	--	--	--
1,2,3-TRICHLOROBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,3-TRICHLOROPROPANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,4-TRICHLOROBENZENE	ug/L	70	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,4-TRIMETHYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	0.2	ND(1)	ND(1)	--	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DIBROMOETHANE (EDB)	ug/L	0.05	ND(1)	ND(1)	--	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DICHLOROETHANE	ug/L	5.0	ND(1)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	ND(0.5)
1,2-DICHLOROETHYLENE, CIS	ug/L	70	--	ND(0.5)	--	--	--	--	ND(1)
1,2-DICHLOROETHYLENE, TRANS	ug/L	100	--	ND(0.5)	--	--	--	--	ND(1)
1,2-DICHLOROPROPANE	ug/L	5.0	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DICHLOROPROPYLENE	ug/L	--	--	ND(25)	--	--	--	--	--
1,3,5-TRIMETHYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,3-DICHLOROPROPANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)
1,3-DICHLOROPROPYLENE, CIS	ug/L	--	--	ND(1)	--	--	--	--	--
1,3-DICHLOROPROPYLENE, TOTAL	ug/L	--	--	--	ND(1)	--	--	--	--
1,3-DICHLOROPROPYLENE, TRANS	ug/L	--	--	ND(1)	--	--	--	--	--
2,2-DICHLOROPROPANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)
2-BUTANONE	ug/L	--	--	ND(25)	--	--	--	--	--
2-CHLOROETHYLVINYL ETHER	ug/L	--	--	ND(100)	--	--	--	--	--
2-HEXANONE	ug/L	--	--	ND(25)	--	--	--	--	--
4-METHYL-2-PENTANONE	ug/L	--	--	ND(25)	--	--	--	--	--
ACETONE	ug/L	--	--	ND(25)	--	--	--	--	--
ACROLIEN	ug/L	--	--	ND(25)	--	--	--	--	--
ACRYLONITRILE	ug/L	--	--	ND(25)	--	--	--	--	--
BENZENE	ug/L	5.0	ND(1)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	ND(0.5)
BIS(2-CHLOROETHOXY) METHANE	ug/L	--	--	ND(50)	--	--	--	--	--
BIS(2-CHLOROETHYL) ETHER	ug/L	--	--	ND(50)	--	--	--	--	--
BIS(2-CHLOROISOPROPYL) ETHER	ug/L	--	--	ND(25)	--	--	--	--	--
BROMOBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
BROMOCHLOROMETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
BROMODICHLOROMETHANE	ug/L	100 *	ND(1)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	ND(0.5)
BROMOFORM	ug/L	100 *	ND(1)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	ND(0.5)

Table 2
Summary of Groundwater Analytical Data (Volatile Organics)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-16	RW-17	RW-18	RW-18	RW-18	RW-18	RW-18
Sample Date:			05/18/89	09/03/93	09/30/88	05/18/89	09/25/89	09/25/89 Dupl.	05/01/90
Parameters	Units	MCL/SMCL							
Volatile Organics (Cont'd)									
VINYL ACETATE	ug/L	--	--	ND(25)	--	--	--	--	--
VINYL CHLORIDE	ug/L	2.0	ND(1)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	ND(0.5)
XYLENES, TOTAL	ug/L	10000	ND(1)	ND(1)	--	ND(1)	ND(1)	ND(1)	ND(1)

Table 2
Summary of Groundwater Analytical Data (Volatile Organics)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-18	RW-18	RW-18	RW-18	RW-18	RW-19	RW-19
Sample Date:			07/16/91	11/18/91	04/28/94	09/08/94	05/11/95	09/30/88	05/18/89
Parameters	Units	MCL/SMCL							
Volatile Organics									
1,1,1,2-TETRACHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,1-TRICHLOROETHANE	ug/L	200	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)
1,1,2,2-TETRACHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,2-TRICHLOROETHANE	ug/L	5.0	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHYLENE	ug/L	7.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)
1,1-DICHLOROETHYLENE, TOTAL	ug/L	7	--	--	--	--	--	--	ND(1)
1,1-DICHLOROPROPYLENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2 DICHLOROETHYLENE	ug/L	70	--	--	--	--	--	ND(1)	--
1,2,3-TRICHLOROBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,3-TRICHLOROPROPANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,4-TRICHLOROBENZENE	ug/L	70	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,4-TRIMETHYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	0.2	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(1)
1,2-DIBROMOETHANE (EDB)	ug/L	0.05	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(1)
1,2-DICHLOROETHANE	ug/L	5.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)
1,2-DICHLOROETHYLENE, CIS	ug/L	70	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	--	--
1,2-DICHLOROETHYLENE, TRANS	ug/L	100	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	--	--
1,2-DICHLOROPROPANE	ug/L	5.0	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DICHLOROPROPYLENE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	--	--
1,3,5-TRIMETHYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,3-DICHLOROPROPANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,3-DICHLOROPROPYLENE, CIS	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
1,3-DICHLOROPROPYLENE, TOTAL	ug/L	--	--	--	--	--	--	ND(1)	--
1,3-DICHLOROPROPYLENE, TRANS	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
2,2-DICHLOROPROPANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
2-BUTANONE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	--	--
2-CHLOROETHYLVINYL ETHER	ug/L	--	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	--	--
2-HEXANONE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	--	--
4-METHYL-2-PENTANONE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	--	--
ACETONE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	--	--
ACROLIEN	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	--	--
ACRYLONITRILE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	--	--
BENZENE	ug/L	5.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)
BIS(2-CHLOROETHOXY) METHANE	ug/L	--	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	--	--
BIS(2-CHLOROETHYL) ETHER	ug/L	--	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	--	--
BIS(2-CHLOROISOPROPYL) ETHER	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	--	--
BROMOBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
BROMOCHLOROMETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
BROMODICHLOROMETHANE	ug/L	100 *	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)
BROMOFORM	ug/L	100 *	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)

Table 2
Summary of Groundwater Analytical Data (Volatile Organics)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-18	RW-18	RW-18	RW-18	RW-18	RW-19	RW-19
Sample Date:			07/16/91	11/18/91	04/28/94	09/08/94	05/11/95	09/30/88	05/18/89
Parameters	Units	MCL/SMCL							
Volatile Organics (Cont'd)									
VINYL ACETATE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	--	--
VINYL CHLORIDE	ug/L	2.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)
XYLENES, TOTAL	ug/L	10000	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(1)

Table 2
Summary of Groundwater Analytical Data (Volatile Organics)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-19	RW-19	RW-19	RW-20	RW-20	RW-20	RW-20
Sample Date:			09/25/89	05/01/90	07/16/91	09/30/88	05/18/89	09/25/89	05/01/90
Parameters	Units	MCL/SMCL							
Volatile Organics									
1,1,1,2-TETRACHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,1-TRICHLOROETHANE	ug/L	200	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(0.5)
1,1,2,2-TETRACHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,2-TRICHLOROETHANE	ug/L	5.0	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHYLENE	ug/L	7.0	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(0.5)
1,1-DICHLOROETHYLENE, TOTAL	ug/L	7	--	--	--	--	ND(1)	--	--
1,1-DICHLOROPROPYLENE	ug/L	--	ND(1)	ND(5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)
1,2 DICHLOROETHYLENE	ug/L	70	--	--	--	ND(1)	--	--	--
1,2,3-TRICHLOROBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,3-TRICHLOROPROPANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,4-TRICHLOROBENZENE	ug/L	70	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,4-TRIMETHYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	0.2	ND(1)	ND(1)	ND(1)	--	ND(1)	ND(1)	ND(1)
1,2-DIBROMOETHANE (EDB)	ug/L	0.05	ND(1)	ND(1)	ND(1)	--	ND(1)	ND(1)	ND(1)
1,2-DICHLOROETHANE	ug/L	5.0	ND(1)	ND(0.5)	1.9	0.35	0.27	0.27	0.28
1,2-DICHLOROETHYLENE, CIS	ug/L	70	--	ND(1)	ND(0.5)	--	--	--	ND(1)
1,2-DICHLOROETHYLENE, TRANS	ug/L	100	--	ND(1)	ND(0.5)	--	--	--	ND(1)
1,2-DICHLOROPROPANE	ug/L	5.0	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DICHLOROPROPYLENE	ug/L	--	--	--	ND(25)	--	--	--	--
1,3,5-TRIMETHYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,3-DICHLOROPROPANE	ug/L	--	ND(1)	ND(5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)
1,3-DICHLOROPROPYLENE, CIS	ug/L	--	--	--	ND(1)	--	--	--	--
1,3-DICHLOROPROPYLENE, TOTAL	ug/L	--	--	--	--	ND(1)	--	--	--
1,3-DICHLOROPROPYLENE, TRANS	ug/L	--	--	--	ND(1)	--	--	--	--
2,2-DICHLOROPROPANE	ug/L	--	ND(1)	ND(5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)
2-BUTANONE	ug/L	--	--	--	ND(25)	--	--	--	--
2-CHLOROETHYLVINYL ETHER	ug/L	--	--	--	ND(100)	--	--	--	--
2-HEXANONE	ug/L	--	--	--	ND(25)	--	--	--	--
4-METHYL-2-PENTANONE	ug/L	--	--	--	ND(25)	--	--	--	--
ACETONE	ug/L	--	--	--	ND(25)	--	--	--	--
ACROLIEN	ug/L	--	--	--	ND(25)	--	--	--	--
ACRYLONITRILE	ug/L	--	--	--	ND(25)	--	--	--	--
BENZENE	ug/L	5.0	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(0.5)
BIS(2-CHLOROETHOXY) METHANE	ug/L	--	--	--	ND(50)	--	--	--	--
BIS(2-CHLOROETHYL) ETHER	ug/L	--	--	--	ND(50)	--	--	--	--
BIS(2-CHLOROISOPROPYL) ETHER	ug/L	--	--	--	ND(25)	--	--	--	--
BROMOBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
BROMOCHLOROMETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
BROMODICHLOROMETHANE	ug/L	100 *	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(0.5)
BROMOFORM	ug/L	100 *	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(0.5)

Table 2
Summary of Groundwater Analytical Data (Volatile Organics)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-19	RW-19	RW-19	RW-20	RW-20	RW-20	RW-20
Sample Date:			09/25/89	05/01/90	07/16/91	09/30/88	05/18/89	09/25/89	05/01/90
Parameters	Units	MCL/SMCL							
Volatile Organics (Cont'd)									
VINYL ACETATE	ug/L	--	--	--	ND(25)	--	--	--	--
VINYL CHLORIDE	ug/L	2.0	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(0.5)
XYLENES, TOTAL	ug/L	10000	ND(1)	ND(1)	ND(1)	--	ND(1)	ND(1)	ND(1)

Table 2
Summary of Groundwater Analytical Data (Volatile Organics)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-20	RW-20	RW-20	RW-20	RW-20	RW-20	RW-20
Sample Date:			03/28/91	07/16/91	11/18/91	04/29/92	11/30/92	04/23/93	09/03/93
Parameters	Units	MCL/SMCL							
Volatile Organics									
1,1,1,2-TETRACHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,1-TRICHLOROETHANE	ug/L	200	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
1,1,2,2-TETRACHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,2-TRICHLOROETHANE	ug/L	5.0	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHYLENE	ug/L	7.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
1,1-DICHLOROETHYLENE, TOTAL	ug/L	7	--	--	--	--	--	--	--
1,1-DICHLOROPROPYLENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2 DICHLOROETHYLENE	ug/L	70	--	--	--	--	--	--	--
1,2,3-TRICHLOROBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,3-TRICHLOROPROPANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,4-TRICHLOROBENZENE	ug/L	70	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,4-TRIMETHYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	0.2	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DIBROMOETHANE (EDB)	ug/L	0.05	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DICHLOROETHANE	ug/L	5.0	ND(0.5)	0.6	ND(0.5)	1.2	0.3	ND(0.5)	ND(0.5)
1,2-DICHLOROETHYLENE, CIS	ug/L	70	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
1,2-DICHLOROETHYLENE, TRANS	ug/L	100	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
1,2-DICHLOROPROPANE	ug/L	5.0	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DICHLOROPROPYLENE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
1,3,5-TRIMETHYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,3-DICHLOROPROPANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,3-DICHLOROPROPYLENE, CIS	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,3-DICHLOROPROPYLENE, TOTAL	ug/L	--	--	--	--	--	--	--	--
1,3-DICHLOROPROPYLENE, TRANS	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
2,2-DICHLOROPROPANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
2-BUTANONE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
2-CHLOROETHYLVINYL ETHER	ug/L	--	--	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)
2-HEXANONE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
4-METHYL-2-PENTANONE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
ACETONE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
ACROLIEN	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
ACRYLONITRILE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
BENZENE	ug/L	5.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
BIS(2-CHLOROETHOXY) METHANE	ug/L	--	--	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
BIS(2-CHLOROETHYL) ETHER	ug/L	--	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
BIS(2-CHLOROISOPROPYL) ETHER	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
BROMOBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
BROMOCHLOROMETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
BROMODICHLOROMETHANE	ug/L	100 *	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
BROMOFORM	ug/L	100 *	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)

Table 2
Summary of Groundwater Analytical Data (Volatile Organics)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-20	RW-20	RW-20	RW-20	RW-20	RW-20	RW-20
Sample Date:			03/28/91	07/16/91	11/18/91	04/29/92	11/30/92	04/23/93	09/03/93
Parameters	Units	MCL/SMCL							
Volatile Organics (Cont'd)									
VINYL ACETATE	ug/L	–	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
VINYL CHLORIDE	ug/L	2.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
XYLENES, TOTAL	ug/L	10000	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)

Table 2
Summary of Groundwater Analytical Data (Volatile Organics)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Date Printed: May 8, 1996
Time Printed: 1:54 pm

Location:			RW-20	RW-20	RW-20	RW-20	RW-20	RW-20	RW-21
Sample Date:			12/09/93	07/11/94	09/08/94	11/30/94	05/11/95	07/05/95	09/03/93
Parameters	Units	MCL/SMCL							
Volatile Organics									
1,1,1,2-TETRACHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,1-TRICHLOROETHANE	ug/L	200	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
1,1,2,2-TETRACHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,2-TRICHLOROETHANE	ug/L	5.0	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHYLENE	ug/L	7.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
1,1-DICHLOROETHYLENE, TOTAL	ug/L	7	--	--	--	--	--	--	--
1,1-DICHLOROPROPYLENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2 DICHLOROETHYLENE	ug/L	70	--	--	--	--	--	--	--
1,2,3-TRICHLOROBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,3-TRICHLOROPROPANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,4-TRICHLOROBENZENE	ug/L	70	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,4-TRIMETHYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	0.2	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DIBROMOETHANE (EDB)	ug/L	0.05	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DICHLOROETHANE	ug/L	5.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
1,2-DICHLOROETHYLENE, CIS	ug/L	70	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
1,2-DICHLOROETHYLENE, TRANS	ug/L	100	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
1,2-DICHLOROPROPANE	ug/L	5.0	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DICHLOROPROPYLENE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
1,3,5-TRIMETHYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,3-DICHLOROPROPANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,3-DICHLOROPROPYLENE, CIS	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,3-DICHLOROPROPYLENE, TOTAL	ug/L	--	--	--	--	--	--	--	--
1,3-DICHLOROPROPYLENE, TRANS	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
2,2-DICHLOROPROPANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
2-BUTANONE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
2-CHLOROETHYLVINYL ETHER	ug/L	--	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)
2-HEXANONE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
4-METHYL-2-PENTANONE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
ACETONE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
ACROLIEN	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
ACRYLONITRILE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
BENZENE	ug/L	5.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
BIS(2-CHLOROETHOXY) METHANE	ug/L	--	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
BIS(2-CHLOROETHYL) ETHER	ug/L	--	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
BIS(2-CHLOROISOPROPYL) ETHER	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
BROMOBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
BROMOCHLOROMETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
BROMODICHLOROMETHANE	ug/L	100 *	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
BROMOFORM	ug/L	100 *	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)

Table 2
Summary of Groundwater Analytical Data (Volatile Organics)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-20	RW-20	RW-20	RW-20	RW-20	RW-20	RW-21
Sample Date:			12/09/93	07/11/94	09/08/94	11/30/94	05/11/95	07/05/95	09/03/93
Parameters	Units	MCL/SMCL							
Volatile Organics (Cont'd)									
VINYL ACETATE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
VINYL CHLORIDE	ug/L	2.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
XYLENES, TOTAL	ug/L	10000	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)

Table 2
Summary of Groundwater Analytical Data (Volatile Organics)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-22	RW-23	RW-23	RW-23	RW-23	RW-23	RW-23
Sample Date:			04/23/93	09/30/88	05/18/89	09/25/89	05/01/90	07/16/91	11/18/91
Parameters	Units	MCL/SMCL							
Volatile Organics									
1,1,1,2-TETRACHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,1-TRICHLOROETHANE	ug/L	200	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)
1,1,2,2-TETRACHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,2-TRICHLOROETHANE	ug/L	5.0	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHYLENE	ug/L	7.0	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)
1,1-DICHLOROETHYLENE, TOTAL	ug/L	7	--	--	ND(1)	--	--	--	--
1,1-DICHLOROPROPYLENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(1)
1,2 DICHLOROETHYLENE	ug/L	70	--	ND(1)	--	--	--	--	--
1,2,3-TRICHLOROBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,3-TRICHLOROPROPANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,4-TRICHLOROBENZENE	ug/L	70	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,4-TRIMETHYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	0.2	ND(1)	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DIBROMOETHANE (EDB)	ug/L	0.05	ND(1)	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DICHLOROETHANE	ug/L	5.0	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)
1,2-DICHLOROETHYLENE, CIS	ug/L	70	ND(0.5)	--	--	--	ND(1)	ND(0.5)	ND(0.5)
1,2-DICHLOROETHYLENE, TRANS	ug/L	100	ND(0.5)	--	--	--	ND(1)	ND(0.5)	ND(0.5)
1,2-DICHLOROPROPANE	ug/L	5.0	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DICHLOROPROPYLENE	ug/L	--	ND(25)	--	--	--	--	ND(25)	ND(25)
1,3,5-TRIMETHYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,3-DICHLOROPROPANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(1)
1,3-DICHLOROPROPYLENE, CIS	ug/L	--	ND(1)	--	--	--	--	ND(1)	ND(1)
1,3-DICHLOROPROPYLENE, TOTAL	ug/L	--	--	ND(1)	--	--	--	--	--
1,3-DICHLOROPROPYLENE, TRANS	ug/L	--	ND(1)	--	--	--	--	ND(1)	ND(1)
2,2-DICHLOROPROPANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(1)
2-BUTANONE	ug/L	--	ND(25)	--	--	--	--	ND(25)	ND(25)
2-CHLOROETHYLVINYL ETHER	ug/L	--	ND(100)	--	--	--	--	ND(100)	ND(100)
2-HEXANONE	ug/L	--	ND(25)	--	--	--	--	ND(25)	ND(25)
4-METHYL-2-PENTANONE	ug/L	--	ND(25)	--	--	--	--	ND(25)	ND(25)
ACETONE	ug/L	--	ND(25)	--	--	--	--	ND(25)	ND(25)
ACROLIEN	ug/L	--	ND(25)	--	--	--	--	ND(25)	ND(25)
ACRYLONITRILE	ug/L	--	ND(25)	--	--	--	--	ND(25)	ND(25)
BENZENE	ug/L	5.0	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)
BIS(2-CHLOROETHOXY) METHANE	ug/L	--	ND(50)	--	--	--	--	ND(50)	ND(50)
BIS(2-CHLOROETHYL) ETHER	ug/L	--	ND(50)	--	--	--	--	ND(50)	ND(50)
BIS(2-CHLOROISOPROPYL) ETHER	ug/L	--	ND(25)	--	--	--	--	ND(25)	ND(25)
BROMOBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
BROMOCHLOROMETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
BROMODICHLOROMETHANE	ug/L	100 *	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)
BROMOFORM	ug/L	100 *	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)

Table 2
Summary of Groundwater Analytical Data (Volatile Organics)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-22	RW-23	RW-23	RW-23	RW-23	RW-23	RW-23
Sample Date:			04/23/93	09/30/88	05/18/89	09/25/89	05/01/90	07/16/91	11/18/91
Parameters	Units	MCL/SMCL							
Volatile Organics (Cont'd)									
VINYL ACETATE	ug/L	--	ND(25)	--	--	--	--	ND(25)	ND(25)
VINYL CHLORIDE	ug/L	2.0	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)
XYLENES, TOTAL	ug/L	10000	ND(1)	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)

Table 2
Summary of Groundwater Analytical Data (Volatile Organics)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-23	RW-23	RW-23	RW-23	RW-23	RW-24	RW-25
Sample Date:			04/23/93	09/03/93	04/28/94	09/08/94	05/11/95	09/30/88	09/30/88
Parameters	Units	MCL/SMCL							
Volatile Organics									
1,1,1,2-TETRACHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,1-TRICHLOROETHANE	ug/L	200	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
1,1,2,2-TETRACHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,2-TRICHLOROETHANE	ug/L	5.0	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHYLENE	ug/L	7.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
1,1-DICHLOROETHYLENE, TOTAL	ug/L	7	--	--	--	--	--	--	--
1,1-DICHLOROPROPYLENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2 DICHLOROETHYLENE	ug/L	70	--	--	--	--	--	ND(1)	ND(1)
1,2,3-TRICHLOROBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,3-TRICHLOROPROPANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,4-TRICHLOROBENZENE	ug/L	70	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,4-TRIMETHYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	0.2	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
1,2-DIBROMOETHANE (EDB)	ug/L	0.05	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
1,2-DICHLOROETHANE	ug/L	5.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
1,2-DICHLOROETHYLENE, CIS	ug/L	70	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	--	--
1,2-DICHLOROETHYLENE, TRANS	ug/L	100	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	--	--
1,2-DICHLOROPROPANE	ug/L	5.0	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DICHLOROPROPYLENE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	--	--
1,3,5-TRIMETHYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,3-DICHLOROPROPANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,3-DICHLOROPROPYLENE, CIS	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
1,3-DICHLOROPROPYLENE, TOTAL	ug/L	--	--	--	--	--	--	ND(1)	ND(1)
1,3-DICHLOROPROPYLENE, TRANS	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
2,2-DICHLOROPROPANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
2-BUTANONE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	--	--
2-CHLOROETHYLVINYL ETHER	ug/L	--	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	--	--
2-HEXANONE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	--	--
4-METHYL-2-PENTANONE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	--	--
ACETONE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	--	--
ACROLIEN	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	--	--
ACRYLONITRILE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	--	--
BENZENE	ug/L	5.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
BIS(2-CHLOROETHOXY) METHANE	ug/L	--	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	--	--
BIS(2-CHLOROETHYL) ETHER	ug/L	--	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	--	--
BIS(2-CHLOROISOPROPYL) ETHER	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	--	--
BROMOBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
BROMOCHLOROMETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
BROMODICHLOROMETHANE	ug/L	100 *	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
BROMOFORM	ug/L	100 *	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)

Table 2
Summary of Groundwater Analytical Data (Volatile Organics)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-23	RW-23	RW-23	RW-23	RW-23	RW-24	RW-25
Sample Date:			04/23/93	09/03/93	04/28/94	09/08/94	05/11/95	09/30/88	09/30/88
Parameters	Units	MCL/SMCL							
Volatile Organics (Cont'd)									
VINYL ACETATE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	--	--
VINYL CHLORIDE	ug/L	2.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
XYLENES, TOTAL	ug/L	10000	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--

Table 2
Summary of Groundwater Analytical Data (Volatile Organics)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-25	RW-25	RW-25	RW-25	RW-25	RW-25	RW-25
Sample Date:			05/18/89	09/25/89	05/01/90	03/28/91	07/16/91	11/18/91	04/29/92
Parameters	Units	MCL/SMCL							
Volatile Organics									
1,1,1,2-TETRACHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,1-TRICHLOROETHANE	ug/L	200	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
1,1,2,2-TETRACHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,2-TRICHLOROETHANE	ug/L	5.0	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHYLENE	ug/L	7.0	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
1,1-DICHLOROETHYLENE, TOTAL	ug/L	7	ND(1)	--	--	--	--	--	--
1,1-DICHLOROPROPYLENE	ug/L	--	ND(1)	ND(1)	ND(5)	ND(1)	ND(1)	ND(1)	ND(1)
1,2 DICHLOROETHYLENE	ug/L	70	--	--	--	--	--	--	--
1,2,3-TRICHLOROBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,3-TRICHLOROPROPANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,4-TRICHLOROBENZENE	ug/L	70	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,4-TRIMETHYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	0.2	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DIBROMOETHANE (EDB)	ug/L	0.05	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DICHLOROETHANE	ug/L	5.0	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
1,2-DICHLOROETHYLENE, CIS	ug/L	70	--	--	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)
1,2-DICHLOROETHYLENE, TRANS	ug/L	100	--	--	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)
1,2-DICHLOROPROPANE	ug/L	5.0	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DICHLOROPROPYLENE	ug/L	--	--	--	--	ND(25)	ND(25)	ND(25)	ND(25)
1,3,5-TRIMETHYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,3-DICHLOROPROPANE	ug/L	--	ND(1)	ND(1)	ND(5)	ND(1)	ND(1)	ND(1)	ND(1)
1,3-DICHLOROPROPYLENE, CIS	ug/L	--	--	--	--	ND(1)	ND(1)	ND(1)	ND(1)
1,3-DICHLOROPROPYLENE, TOTAL	ug/L	--	--	--	--	--	--	--	--
1,3-DICHLOROPROPYLENE, TRANS	ug/L	--	--	--	--	ND(1)	ND(1)	ND(1)	ND(1)
2,2-DICHLOROPROPANE	ug/L	--	ND(1)	ND(1)	ND(5)	ND(1)	ND(1)	ND(1)	ND(1)
2-BUTANONE	ug/L	--	--	--	--	ND(25)	ND(25)	ND(25)	ND(25)
2-CHLOROETHYLVINYL ETHER	ug/L	--	--	--	--	--	ND(100)	ND(100)	ND(100)
2-HEXANONE	ug/L	--	--	--	--	ND(25)	ND(25)	ND(25)	ND(25)
4-METHYL-2-PENTANONE	ug/L	--	--	--	--	ND(25)	ND(25)	ND(25)	ND(25)
ACETONE	ug/L	--	--	--	--	ND(25)	ND(25)	ND(25)	ND(25)
ACROLIEN	ug/L	--	--	--	--	ND(25)	ND(25)	ND(25)	ND(25)
ACRYLONITRILE	ug/L	--	--	--	--	ND(25)	ND(25)	ND(25)	ND(25)
BENZENE	ug/L	5.0	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
BIS(2-CHLOROETHOXY) METHANE	ug/L	--	--	--	--	--	ND(50)	ND(50)	ND(50)
BIS(2-CHLOROETHYL) ETHER	ug/L	--	--	--	--	ND(50)	ND(50)	ND(50)	ND(50)
BIS(2-CHLOROISOPROPYL) ETHER	ug/L	--	--	--	--	ND(25)	ND(25)	ND(25)	ND(25)
BROMOBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
BROMOCHLOROMETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
BROMODICHLOROMETHANE	ug/L	100 *	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
BROMOFORM	ug/L	100 *	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)

Table 2
Summary of Groundwater Analytical Data (Volatile Organics)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-25	RW-25	RW-25	RW-25	RW-25	RW-25	RW-25
Sample Date:			05/18/89	09/25/89	05/01/90	03/28/91	07/16/91	11/18/91	04/29/92
Parameters	Units	MCL/SMCL							
Volatile Organics (Cont'd)									
VINYL ACETATE	ug/L	--	--	--	--	ND(25)	ND(25)	ND(25)	ND(25)
VINYL CHLORIDE	ug/L	2.0	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
XYLENES, TOTAL	ug/L	10000	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)

Table 2
Summary of Groundwater Analytical Data (Volatile Organics)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-25	RW-25	RW-25	RW-25	RW-25	RW-25	RW-25
Sample Date:			11/30/92	04/23/93	09/03/93	12/09/93	04/28/94	07/11/94	09/08/94
Parameters	Units	MCL/SMCL							
Volatile Organics									
1,1,1,2-TETRACHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,1-TRICHLOROETHANE	ug/L	200	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
1,1,2,2-TETRACHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,2-TRICHLOROETHANE	ug/L	5.0	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHYLENE	ug/L	7.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
1,1-DICHLOROETHYLENE, TOTAL	ug/L	7	--	--	--	--	--	--	--
1,1-DICHLOROPROPYLENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2 DICHLOROETHYLENE	ug/L	70	--	--	--	--	--	--	--
1,2,3-TRICHLOROBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,3-TRICHLOROPROPANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,4-TRICHLOROBENZENE	ug/L	70	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,4-TRIMETHYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	0.2	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DIBROMOETHANE (EDB)	ug/L	0.05	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DICHLOROETHANE	ug/L	5.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
1,2-DICHLOROETHYLENE, CIS	ug/L	70	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
1,2-DICHLOROETHYLENE, TRANS	ug/L	100	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
1,2-DICHLOROPROPANE	ug/L	5.0	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DICHLOROPROPYLENE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
1,3,5-TRIMETHYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,3-DICHLOROPROPANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,3-DICHLOROPROPYLENE, CIS	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,3-DICHLOROPROPYLENE, TOTAL	ug/L	--	--	--	--	--	--	--	--
1,3-DICHLOROPROPYLENE, TRANS	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
2,2-DICHLOROPROPANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
2-BUTANONE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
2-CHLOROETHYLVINYL ETHER	ug/L	--	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)
2-HEXANONE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
4-METHYL-2-PENTANONE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
ACETONE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
ACROLIEN	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
ACRYLONITRILE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
BENZENE	ug/L	5.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
BIS(2-CHLOROETHOXY) METHANE	ug/L	--	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
BIS(2-CHLOROETHYL) ETHER	ug/L	--	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
BIS(2-CHLOROISOPROPYL) ETHER	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
BROMOBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
BROMOCHLOROMETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
BROMODICHLOROMETHANE	ug/L	100 *	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
BROMOFORM	ug/L	100 *	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)

Table 2
Summary of Groundwater Analytical Data (Volatile Organics)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-25	RW-25	RW-25	RW-25	RW-25	RW-25	RW-25
Sample Date:			11/30/92	04/23/93	09/03/93	12/09/93	04/28/94	07/11/94	09/08/94
Parameters	Units	MCL/SMCL							
Volatile Organics (Cont'd)									
VINYL ACETATE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
VINYL CHLORIDE	ug/L	2.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
XYLENES, TOTAL	ug/L	10000	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)

Table 2
Summary of Groundwater Analytical Data (Volatile Organics)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-25	RW-25	RW-25	RW-26	RW-26	RW-26	RW-26
Sample Date:			11/30/94	05/11/95	07/05/95	09/30/88	05/18/89	09/25/89	05/01/90
Parameters	Units	MCL/SMCL							
Volatile Organics									
1,1,1,2-TETRACHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,1-TRICHLOROETHANE	ug/L	200	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(0.5)
1,1,2,2-TETRACHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,2-TRICHLOROETHANE	ug/L	5.0	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHYLENE	ug/L	7.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(0.5)
1,1-DICHLOROETHYLENE, TOTAL	ug/L	7	--	--	--	--	ND(1)	--	--
1,1-DICHLOROPROPYLENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)
1,2 DICHLOROETHYLENE	ug/L	70	--	--	--	ND(1)	--	--	--
1,2,3-TRICHLOROBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,3-TRICHLOROPROPANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,4-TRICHLOROBENZENE	ug/L	70	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,4-TRIMETHYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	0.2	ND(1)	ND(1)	ND(1)	--	ND(1)	ND(1)	ND(1)
1,2-DIBROMOETHANE (EDB)	ug/L	0.05	ND(1)	ND(1)	ND(1)	--	ND(1)	ND(1)	ND(1)
1,2-DICHLOROETHANE	ug/L	5.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(0.5)
1,2-DICHLOROETHYLENE, CIS	ug/L	70	ND(0.5)	ND(0.5)	ND(0.5)	--	--	--	ND(1)
1,2-DICHLOROETHYLENE, TRANS	ug/L	100	ND(0.5)	ND(0.5)	ND(0.5)	--	--	--	ND(1)
1,2-DICHLOROPROPANE	ug/L	5.0	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DICHLOROPROPYLENE	ug/L	--	ND(25)	ND(25)	ND(25)	--	--	--	--
1,3,5-TRIMETHYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,3-DICHLOROPROPANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)
1,3-DICHLOROPROPYLENE, CIS	ug/L	--	ND(1)	ND(1)	ND(1)	--	--	--	--
1,3-DICHLOROPROPYLENE, TOTAL	ug/L	--	--	--	--	ND(1)	--	--	--
1,3-DICHLOROPROPYLENE, TRANS	ug/L	--	ND(1)	ND(1)	ND(1)	--	--	--	--
2,2-DICHLOROPROPANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)
2-BUTANONE	ug/L	--	ND(25)	ND(25)	ND(25)	--	--	--	--
2-CHLOROETHYLVINYL ETHER	ug/L	--	ND(100)	ND(100)	ND(100)	--	--	--	--
2-HEXANONE	ug/L	--	ND(25)	ND(25)	ND(25)	--	--	--	--
4-METHYL-2-PENTANONE	ug/L	--	ND(25)	ND(25)	ND(25)	--	--	--	--
ACETONE	ug/L	--	ND(25)	ND(25)	ND(25)	--	--	--	--
ACROLIEN	ug/L	--	ND(25)	ND(25)	ND(25)	--	--	--	--
ACRYLONITRILE	ug/L	--	ND(25)	ND(25)	ND(25)	--	--	--	--
BENZENE	ug/L	5.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(0.5)
BIS(2-CHLOROETHOXY) METHANE	ug/L	--	ND(50)	ND(50)	ND(50)	--	--	--	--
BIS(2-CHLOROETHYL) ETHER	ug/L	--	ND(50)	ND(50)	ND(50)	--	--	--	--
BIS(2-CHLOROISOPROPYL) ETHER	ug/L	--	ND(25)	ND(25)	ND(25)	--	--	--	--
BROMOBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
BROMOCHLOROMETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
BROMODICHLOROMETHANE	ug/L	100 *	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(0.5)
BROMOFORM	ug/L	100 *	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(0.5)

Table 2
Summary of Groundwater Analytical Data (Volatile Organics)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-25	RW-25	RW-25	RW-26	RW-26	RW-26	RW-26
Sample Date:			11/30/94	05/11/95	07/05/95	09/30/88	05/18/89	09/25/89	05/01/90
Parameters	Units	MCL/SMCL							
Volatile Organics (Cont'd)									
VINYL ACETATE	ug/L	–	ND(25)	ND(25)	ND(25)	–	–	–	–
VINYL CHLORIDE	ug/L	2.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(0.5)
XYLENES, TOTAL	ug/L	10000	ND(1)	ND(1)	ND(1)	–	ND(1)	ND(1)	ND(1)

Table 2
Summary of Groundwater Analytical Data (Volatile Organics)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-26	RW-26	RW-27	RW-28	RW-28	RW-28	RW-28
Sample Date:			07/16/91	11/18/91	07/05/95	09/30/88	05/18/89	09/25/89	05/01/90
Parameters	Units	MCL/SMCL							
Volatile Organics									
1,1,1,2-TETRACHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,1-TRICHLOROETHANE	ug/L	200	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(0.5)
1,1,2,2-TETRACHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,2-TRICHLOROETHANE	ug/L	5.0	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHYLENE	ug/L	7.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(0.5)
1,1-DICHLOROETHYLENE, TOTAL	ug/L	7	--	--	--	--	ND(1)	--	--
1,1-DICHLOROPROPYLENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)
1,2 DICHLOROETHYLENE	ug/L	70	--	--	--	ND(1)	--	--	--
1,2,3-TRICHLOROBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,3-TRICHLOROPROPANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,4-TRICHLOROBENZENE	ug/L	70	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,4-TRIMETHYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	0.2	ND(1)	ND(1)	ND(1)	--	ND(1)	ND(1)	ND(1)
1,2-DIBROMOETHANE (EDB)	ug/L	0.05	ND(1)	ND(1)	ND(1)	--	ND(1)	ND(1)	ND(1)
1,2-DICHLOROETHANE	ug/L	5.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(0.5)
1,2-DICHLOROETHYLENE, CIS	ug/L	70	ND(0.5)	ND(0.5)	ND(0.5)	--	--	--	ND(1)
1,2-DICHLOROETHYLENE, TRANS	ug/L	100	ND(0.5)	ND(0.5)	ND(0.5)	--	--	--	ND(1)
1,2-DICHLOROPROPANE	ug/L	5.0	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DICHLOROPROPYLENE	ug/L	--	ND(25)	ND(25)	ND(25)	--	--	--	--
1,3,5-TRIMETHYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,3-DICHLOROPROPANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)
1,3-DICHLOROPROPYLENE, CIS	ug/L	--	ND(1)	ND(1)	ND(1)	--	--	--	--
1,3-DICHLOROPROPYLENE, TOTAL	ug/L	--	--	--	--	ND(1)	--	--	--
1,3-DICHLOROPROPYLENE, TRANS	ug/L	--	ND(1)	ND(1)	ND(1)	--	--	--	--
2,2-DICHLOROPROPANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)
2-BUTANONE	ug/L	--	ND(25)	ND(25)	ND(25)	--	--	--	--
2-CHLOROETHYLVINYL ETHER	ug/L	--	ND(100)	ND(100)	ND(100)	--	--	--	--
2-HEXANONE	ug/L	--	ND(25)	ND(25)	ND(25)	--	--	--	--
4-METHYL-2-PENTANONE	ug/L	--	ND(25)	ND(25)	ND(25)	--	--	--	--
ACETONE	ug/L	--	ND(25)	ND(25)	ND(25)	--	--	--	--
ACROLIEN	ug/L	--	ND(25)	ND(25)	ND(25)	--	--	--	--
ACRYLONITRILE	ug/L	--	ND(25)	ND(25)	ND(25)	--	--	--	--
BENZENE	ug/L	5.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(0.5)
BIS(2-CHLOROETHOXY) METHANE	ug/L	--	ND(50)	ND(50)	ND(50)	--	--	--	--
BIS(2-CHLOROETHYL) ETHER	ug/L	--	ND(50)	ND(50)	ND(50)	--	--	--	--
BIS(2-CHLOROISOPROPYL) ETHER	ug/L	--	ND(25)	ND(25)	ND(25)	--	--	--	--
BROMOBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
BROMOCHLOROMETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
BROMODICHLOROMETHANE	ug/L	100 *	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(0.5)
BROMOFORM	ug/L	100 *	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(0.5)

Table 2
Summary of Groundwater Analytical Data (Volatile Organics)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-26	RW-26	RW-27	RW-28	RW-28	RW-28	RW-28
Sample Date:			07/16/91	11/18/91	07/05/95	09/30/88	05/18/89	09/25/89	05/01/90
Parameters	Units	MCL/SMCL							
Volatile Organics (Cont'd)									
VINYL ACETATE	ug/L	--	ND(25)	ND(25)	ND(25)	--	--	--	--
VINYL CHLORIDE	ug/L	2.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(0.5)
XYLENES, TOTAL	ug/L	10000	ND(1)	ND(1)	ND(1)	--	ND(1)	ND(1)	ND(1)

Table 2
Summary of Groundwater Analytical Data (Volatile Organics)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-28	RW-28	RW-29	RW-29	RW-29	RW-29	RW-29
Sample Date:			07/16/91	11/18/91	05/18/89	09/25/89	05/01/90	07/16/91	11/18/91
Parameters	Units	MCL/SMCL							
Volatile Organics									
1,1,1,2-TETRACHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,1-TRICHLOROETHANE	ug/L	200	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)
1,1,2,2-TETRACHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,2-TRICHLOROETHANE	ug/L	5.0	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHYLENE	ug/L	7.0	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)
1,1-DICHLOROETHYLENE, TOTAL	ug/L	7	--	--	ND(1)	--	--	--	--
1,1-DICHLOROPROPYLENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(1)
1,2 DICHLOROETHYLENE	ug/L	70	--	--	--	--	--	--	--
1,2,3-TRICHLOROBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,3-TRICHLOROPROPANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,4-TRICHLOROBENZENE	ug/L	70	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,4-TRIMETHYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	0.2	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DIBROMOETHANE (EDB)	ug/L	0.05	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DICHLOROETHANE	ug/L	5.0	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)
1,2-DICHLOROETHYLENE, CIS	ug/L	70	ND(0.5)	ND(0.5)	--	--	ND(1)	ND(0.5)	ND(0.5)
1,2-DICHLOROETHYLENE, TRANS	ug/L	100	ND(0.5)	ND(0.5)	--	--	ND(1)	ND(0.5)	ND(0.5)
1,2-DICHLOROPROPANE	ug/L	5.0	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DICHLOROPROPYLENE	ug/L	--	ND(25)	ND(25)	--	--	--	ND(25)	ND(25)
1,3,5-TRIMETHYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,3-DICHLOROPROPANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(1)
1,3-DICHLOROPROPYLENE, CIS	ug/L	--	ND(1)	ND(1)	--	--	--	ND(1)	ND(1)
1,3-DICHLOROPROPYLENE, TOTAL	ug/L	--	--	--	--	--	--	--	--
1,3-DICHLOROPROPYLENE, TRANS	ug/L	--	ND(1)	ND(1)	--	--	--	ND(1)	ND(1)
2,2-DICHLOROPROPANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(1)
2-BUTANONE	ug/L	--	ND(25)	ND(25)	--	--	--	ND(25)	ND(25)
2-CHLOROETHYLVINYL ETHER	ug/L	--	ND(100)	ND(100)	--	--	--	ND(100)	ND(100)
2-HEXANONE	ug/L	--	ND(25)	ND(25)	--	--	--	ND(25)	ND(25)
4-METHYL-2-PENTANONE	ug/L	--	ND(25)	ND(25)	--	--	--	ND(25)	ND(25)
ACETONE	ug/L	--	ND(25)	ND(25)	--	--	--	ND(25)	ND(25)
ACROLIEN	ug/L	--	ND(25)	ND(25)	--	--	--	ND(25)	ND(25)
ACRYLONITRILE	ug/L	--	ND(25)	ND(25)	--	--	--	ND(25)	ND(25)
BENZENE	ug/L	5.0	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)
BIS(2-CHLOROETHOXY) METHANE	ug/L	--	ND(50)	ND(50)	--	--	--	ND(50)	ND(50)
BIS(2-CHLOROETHYL) ETHER	ug/L	--	ND(50)	ND(50)	--	--	--	ND(50)	ND(50)
BIS(2-CHLOROISOPROPYL) ETHER	ug/L	--	ND(25)	ND(25)	--	--	--	ND(25)	ND(25)
BROMOBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
BROMOCHLOROMETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
BROMODICHLOROMETHANE	ug/L	100 *	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)
BROMOFORM	ug/L	100 *	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)

Table 2
Summary of Groundwater Analytical Data (Volatile Organics)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-28	RW-28	RW-29	RW-29	RW-29	RW-29	RW-29
Sample Date:			07/16/91	11/18/91	05/18/89	09/25/89	05/01/90	07/16/91	11/18/91
Parameters	Units	MCL/SMCL							
Volatile Organics (Cont'd)									
VINYL ACETATE	ug/L	--	ND(25)	ND(25)	--	--	--	ND(25)	ND(25)
VINYL CHLORIDE	ug/L	2.0	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)
XYLENES, TOTAL	ug/L	10000	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)

Table 2
Summary of Groundwater Analytical Data (Volatile Organics)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Date Printed: May 8, 1996
Time Printed: 1:56 pm

Location:			RW-30	RW-31	RW-31	RW-31	RW-31	RW-31	RW-31
Sample Date:			09/30/88	09/30/88	05/18/89	09/25/89	05/01/90	07/16/91	11/18/91
Parameters	Units	MCL/SMCL							
Volatile Organics									
1,1,1,2-TETRACHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,1-TRICHLOROETHANE	ug/L	200	ND(0.5)	ND(1)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)
1,1,2,2-TETRACHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,2-TRICHLOROETHANE	ug/L	5.0	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHYLENE	ug/L	7.0	ND(0.5)	ND(1)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)
1,1-DICHLOROETHYLENE, TOTAL	ug/L	7	--	--	ND(1)	--	--	--	--
1,1-DICHLOROPROPYLENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(1)
1,2 DICHLOROETHYLENE	ug/L	70	ND(1)	ND(1)	--	--	--	--	--
1,2,3-TRICHLOROBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,3-TRICHLOROPROPANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,4-TRICHLOROBENZENE	ug/L	70	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,4-TRIMETHYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	0.2	--	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DIBROMOETHANE (EDB)	ug/L	0.05	--	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DICHLOROETHANE	ug/L	5.0	ND(0.5)	ND(1)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)
1,2-DICHLOROETHYLENE, CIS	ug/L	70	--	--	--	--	ND(1)	ND(0.5)	ND(0.5)
1,2-DICHLOROETHYLENE, TRANS	ug/L	100	--	--	--	--	ND(1)	ND(0.5)	ND(0.5)
1,2-DICHLOROPROPANE	ug/L	5.0	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DICHLOROPROPYLENE	ug/L	--	--	--	--	--	--	ND(25)	ND(25)
1,3,5-TRIMETHYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,3-DICHLOROPROPANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(1)
1,3-DICHLOROPROPYLENE, CIS	ug/L	--	--	--	--	--	--	ND(1)	ND(1)
1,3-DICHLOROPROPYLENE, TOTAL	ug/L	--	ND(1)	ND(1)	--	--	--	--	--
1,3-DICHLOROPROPYLENE, TRANS	ug/L	--	--	--	--	--	--	ND(1)	ND(1)
2,2-DICHLOROPROPANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(1)
2-BUTANONE	ug/L	--	--	--	--	--	--	ND(25)	ND(25)
2-CHLOROETHYLVINYL ETHER	ug/L	--	--	--	--	--	--	ND(100)	ND(100)
2-HEXANONE	ug/L	--	--	--	--	--	--	ND(25)	ND(25)
4-METHYL-2-PENTANONE	ug/L	--	--	--	--	--	--	ND(25)	ND(25)
ACETONE	ug/L	--	--	--	--	--	--	ND(25)	ND(25)
ACROLIEN	ug/L	--	--	--	--	--	--	ND(25)	ND(25)
ACRYLONITRILE	ug/L	--	--	--	--	--	--	ND(25)	ND(25)
BENZENE	ug/L	5.0	ND(0.5)	ND(1)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)
BIS(2-CHLOROETHOXY) METHANE	ug/L	--	--	--	--	--	--	ND(50)	ND(50)
BIS(2-CHLOROETHYL) ETHER	ug/L	--	--	--	--	--	--	ND(50)	ND(50)
BIS(2-CHLOROISOPROPYL) ETHER	ug/L	--	--	--	--	--	--	ND(25)	ND(25)
BROMOBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
BROMOCHLOROMETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
BROMODICHLOROMETHANE	ug/L	100 *	ND(0.5)	ND(1)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)
BROMOFORM	ug/L	100 *	ND(0.5)	ND(1)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)

Table 2
Summary of Groundwater Analytical Data (Volatile Organics)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-30	RW-31	RW-31	RW-31	RW-31	RW-31	RW-31
Sample Date:			09/30/88	09/30/88	05/18/89	09/25/89	05/01/90	07/16/91	11/18/91
Parameters	Units	MCL/SMCL							
Volatile Organics (Cont'd)									
VINYL ACETATE	ug/L	--	--	--	--	--	--	ND(25)	ND(25)
VINYL CHLORIDE	ug/L	2.0	ND(0.5)	ND(1)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)
XYLENES, TOTAL	ug/L	10000	--	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)

Table 2
Summary of Groundwater Analytical Data (Volatile Organics)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-31	RW-31	RW-31	RW-31	RW-31	RW-31	RW-31
Sample Date:			04/29/92	11/30/92	04/23/93	09/03/93	04/28/94	09/08/94	05/11/95
Parameters	Units	MCL/SMCL							
Volatile Organics									
1,1,1,2-TETRACHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,1-TRICHLOROETHANE	ug/L	200	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
1,1,2,2-TETRACHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,2-TRICHLOROETHANE	ug/L	5.0	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHYLENE	ug/L	7.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
1,1-DICHLOROETHYLENE, TOTAL	ug/L	7	--	--	--	--	--	--	--
1,1-DICHLOROPROPYLENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2 DICHLOROETHYLENE	ug/L	70	--	--	--	--	--	--	--
1,2,3-TRICHLOROBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,3-TRICHLOROPROPANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,4-TRICHLOROBENZENE	ug/L	70	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,4-TRIMETHYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	0.2	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DIBROMOETHANE (EDB)	ug/L	0.05	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DICHLOROETHANE	ug/L	5.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
1,2-DICHLOROETHYLENE, CIS	ug/L	70	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
1,2-DICHLOROETHYLENE, TRANS	ug/L	100	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
1,2-DICHLOROPROPANE	ug/L	5.0	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DICHLOROPROPYLENE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
1,3,5-TRIMETHYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,3-DICHLOROPROPANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,3-DICHLOROPROPYLENE, CIS	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,3-DICHLOROPROPYLENE, TOTAL	ug/L	--	--	--	--	--	--	--	--
1,3-DICHLOROPROPYLENE, TRANS	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
2,2-DICHLOROPROPANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
2-BUTANONE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
2-CHLOROETHYLVINYL ETHER	ug/L	--	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)
2-HEXANONE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
4-METHYL-2-PENTANONE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
ACETONE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
ACROLIEN	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
ACRYLONITRILE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
BENZENE	ug/L	5.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
BIS(2-CHLOROETHOXY) METHANE	ug/L	--	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
BIS(2-CHLOROETHYL) ETHER	ug/L	--	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
BIS(2-CHLOROISOPROPYL) ETHER	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
BROMOBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
BROMOCHLOROMETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
BROMODICHLOROMETHANE	ug/L	100 *	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
BROMOFORM	ug/L	100 *	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)

Table 2
Summary of Groundwater Analytical Data (Volatile Organics)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-31	RW-31	RW-31	RW-31	RW-31	RW-31	RW-31
Sample Date:			04/29/92	11/30/92	04/23/93	09/03/93	04/28/94	09/08/94	05/11/95
Parameters	Units	MCL/SMCL							
Volatile Organics (Cont'd)									
VINYL ACETATE	ug/L	–	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
VINYL CHLORIDE	ug/L	2.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
XYLENES, TOTAL	ug/L	10000	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)

Table 2
Summary of Groundwater Analytical Data (Volatile Organics)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-32	RW-32	RW-32	RW-32	RW-32	RW-32	RW-32
Sample Date:			09/30/88	05/18/89	09/25/89	05/01/90	07/16/91	11/18/91	04/29/92
Parameters	Units	MCL/SMCL							
Volatile Organics									
1,1,1,2-TETRACHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,1-TRICHLOROETHANE	ug/L	200	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
1,1,2,2-TETRACHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,2-TRICHLOROETHANE	ug/L	5.0	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHYLENE	ug/L	7.0	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
1,1-DICHLOROETHYLENE, TOTAL	ug/L	7	--	ND(1)	--	--	--	--	--
1,1-DICHLOROPROPYLENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(1)	ND(1)
1,2 DICHLOROETHYLENE	ug/L	70	ND(1)	--	--	--	--	--	--
1,2,3-TRICHLOROBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,3-TRICHLOROPROPANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,4-TRICHLOROBENZENE	ug/L	70	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,4-TRIMETHYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	0.2	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DIBROMOETHANE (EDB)	ug/L	0.05	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DICHLOROETHANE	ug/L	5.0	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
1,2-DICHLOROETHYLENE, CIS	ug/L	70	--	--	--	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)
1,2-DICHLOROETHYLENE, TRANS	ug/L	100	--	--	--	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)
1,2-DICHLOROPROPANE	ug/L	5.0	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DICHLOROPROPYLENE	ug/L	--	--	--	--	--	ND(25)	ND(25)	ND(25)
1,3,5-TRIMETHYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,3-DICHLOROPROPANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(1)	ND(1)
1,3-DICHLOROPROPYLENE, CIS	ug/L	--	--	--	--	--	ND(1)	ND(1)	ND(1)
1,3-DICHLOROPROPYLENE, TOTAL	ug/L	--	ND(1)	--	--	--	--	--	--
1,3-DICHLOROPROPYLENE, TRANS	ug/L	--	--	--	--	--	ND(1)	ND(1)	ND(1)
2,2-DICHLOROPROPANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(1)	ND(1)
2-BUTANONE	ug/L	--	--	--	--	--	ND(25)	ND(25)	ND(25)
2-CHLOROETHYLVINYL ETHER	ug/L	--	--	--	--	--	ND(100)	ND(100)	ND(100)
2-HEXANONE	ug/L	--	--	--	--	--	ND(25)	ND(25)	ND(25)
4-METHYL-2-PENTANONE	ug/L	--	--	--	--	--	ND(25)	ND(25)	ND(25)
ACETONE	ug/L	--	--	--	--	--	ND(25)	ND(25)	ND(25)
ACROLIEN	ug/L	--	--	--	--	--	ND(25)	ND(25)	ND(25)
ACRYLONITRILE	ug/L	--	--	--	--	--	ND(25)	ND(25)	ND(25)
BENZENE	ug/L	5.0	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
BIS(2-CHLOROETHOXY) METHANE	ug/L	--	--	--	--	--	ND(50)	ND(50)	ND(50)
BIS(2-CHLOROETHYL) ETHER	ug/L	--	--	--	--	--	ND(50)	ND(50)	ND(50)
BIS(2-CHLOROISOPROPYL) ETHER	ug/L	--	--	--	--	--	ND(25)	ND(25)	ND(25)
BROMOBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
BROMOCHLOROMETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
BROMODICHLOROMETHANE	ug/L	100 *	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
BROMOFORM	ug/L	100 *	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)

Table 2
Summary of Groundwater Analytical Data (Volatile Organics)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-32	RW-32	RW-32	RW-32	RW-32	RW-32	RW-32
Sample Date:			09/30/88	05/18/89	09/25/89	05/01/90	07/16/91	11/18/91	04/29/92
Parameters	Units	MCL/SMCL							
Volatile Organics (Cont'd)									
VINYL ACETATE	ug/L	--	--	--	--	--	ND(25)	ND(25)	ND(25)
VINYL CHLORIDE	ug/L	2.0	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
XYLENES, TOTAL	ug/L	10000	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)

Table 2
Summary of Groundwater Analytical Data (Volatile Organics)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Date Printed: May 8, 1996
Time Printed: 1:56 pm

Location:			RW-32	RW-32	RW-32	RW-32	RW-32	RW-32	RW-33
Sample Date:			11/30/92	04/23/93	09/03/93	04/28/94	09/08/94	05/11/95	09/25/89
Parameters	Units	MCL/SMCL							
Volatile Organics									
1,1,1,2-TETRACHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,1-TRICHLOROETHANE	ug/L	200	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)
1,1,2,2-TETRACHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,2-TRICHLOROETHANE	ug/L	5.0	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHYLENE	ug/L	7.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)
1,1-DICHLOROETHYLENE, TOTAL	ug/L	7	--	--	--	--	--	--	--
1,1-DICHLOROPROPYLENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2 DICHLOROETHYLENE	ug/L	70	--	--	--	--	--	--	--
1,2,3-TRICHLOROBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,3-TRICHLOROPROPANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,4-TRICHLOROBENZENE	ug/L	70	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,4-TRIMETHYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	0.2	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DIBROMOETHANE (EDB)	ug/L	0.05	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DICHLOROETHANE	ug/L	5.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)
1,2-DICHLOROETHYLENE, CIS	ug/L	70	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	--
1,2-DICHLOROETHYLENE, TRANS	ug/L	100	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	--
1,2-DICHLOROPROPANE	ug/L	5.0	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DICHLOROPROPYLENE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	--
1,3,5-TRIMETHYLBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,3-DICHLOROPROPANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,3-DICHLOROPROPYLENE, CIS	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--
1,3-DICHLOROPROPYLENE, TOTAL	ug/L	--	--	--	--	--	--	--	--
1,3-DICHLOROPROPYLENE, TRANS	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--
2,2-DICHLOROPROPANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
2-BUTANONE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	--
2-CHLOROETHYLVINYL ETHER	ug/L	--	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	--
2-HEXANONE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	--
4-METHYL-2-PENTANONE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	--
ACETONE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	--
ACROLIEN	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	--
ACRYLONITRILE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	--
BENZENE	ug/L	5.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)
BIS(2-CHLOROETHOXY) METHANE	ug/L	--	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	--
BIS(2-CHLOROETHYL) ETHER	ug/L	--	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	--
BIS(2-CHLOROISOPROPYL) ETHER	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	--
BROMOBENZENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
BROMOCHLOROMETHANE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
BROMODICHLOROMETHANE	ug/L	100 *	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)
BROMOFORM	ug/L	100 *	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)

Table 2
Summary of Groundwater Analytical Data (Volatile Organics)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-32	RW-32	RW-32	RW-32	RW-32	RW-32	RW-33
Sample Date:			11/30/92	04/23/93	09/03/93	04/28/94	09/08/94	05/11/95	09/25/89
Parameters	Units	MCL/SMCL							
Volatile Organics (Cont'd)									
VINYL ACETATE	ug/L	--	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	--
VINYL CHLORIDE	ug/L	2.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)
XYLENES, TOTAL	ug/L	10000	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)

Table 2
Summary of Groundwater Analytical Data (Volatile Organics)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-33
Sample Date:			05/01/90
Parameters	Units	MCL/SMCL	
Volatile Organics			
1,1,1,2-TETRACHLOROETHANE	ug/L	--	ND(1)
1,1,1-TRICHLOROETHANE	ug/L	200	ND(0.5)
1,1,2,2-TETRACHLOROETHANE	ug/L	--	ND(1)
1,1,2-TRICHLOROETHANE	ug/L	5.0	ND(1)
1,1-DICHLOROETHANE	ug/L	--	ND(1)
1,1-DICHLOROETHYLENE	ug/L	7.0	ND(0.5)
1,1-DICHLOROETHYLENE, TOTAL	ug/L	7	--
1,1-DICHLOROPROPYLENE	ug/L	--	ND(5)
1,2 DICHLOROETHYLENE	ug/L	70	--
1,2,3-TRICHLOROBENZENE	ug/L	--	ND(1)
1,2,3-TRICHLOROPROPANE	ug/L	--	ND(1)
1,2,4-TRICHLOROBENZENE	ug/L	70	ND(1)
1,2,4-TRIMETHYLBENZENE	ug/L	--	ND(1)
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	0.2	ND(1)
1,2-DIBROMOETHANE (EDB)	ug/L	0.05	ND(1)
1,2-DICHLOROETHANE	ug/L	5.0	ND(0.5)
1,2-DICHLOROETHYLENE, CIS	ug/L	70	ND(1)
1,2-DICHLOROETHYLENE, TRANS	ug/L	100	ND(1)
1,2-DICHLOROPROPANE	ug/L	5.0	ND(1)
1,2-DICHLOROPROPYLENE	ug/L	--	--
1,3,5-TRIMETHYLBENZENE	ug/L	--	ND(1)
1,3-DICHLOROPROPANE	ug/L	--	ND(5)
1,3-DICHLOROPROPYLENE, CIS	ug/L	--	--
1,3-DICHLOROPROPYLENE, TOTAL	ug/L	--	--
1,3-DICHLOROPROPYLENE, TRANS	ug/L	--	--
2,2-DICHLOROPROPANE	ug/L	--	ND(5)
2-BUTANONE	ug/L	--	--
2-CHLOROETHYLVINYL ETHER	ug/L	--	--
2-HEXANONE	ug/L	--	--
4-METHYL-2-PENTANONE	ug/L	--	--
ACETONE	ug/L	--	--
ACROLIEN	ug/L	--	--
ACRYLONITRILE	ug/L	--	--
BENZENE	ug/L	5.0	ND(0.5)
BIS(2-CHLOROETHOXY) METHANE	ug/L	--	--
BIS(2-CHLOROETHYL) ETHER	ug/L	--	--
BIS(2-CHLOROISOPROPYL) ETHER	ug/L	--	--
BROMOBENZENE	ug/L	--	ND(1)
BROMOCHLOROMETHANE	ug/L	--	ND(1)
BROMODICHLOROMETHANE	ug/L	100 *	ND(0.5)
BROMOFORM	ug/L	100 *	ND(0.5)

Table 2
Summary of Groundwater Analytical Data (Volatile Organics)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-33
Sample Date:			05/01/90
Parameters	Units	MCL/SMCL	
Volatile Organics (Cont'd)			
VINYL ACETATE	ug/L	–	–
VINYL CHLORIDE	ug/L	2.0	ND(0.5)
XYLENES, TOTAL	ug/L	10000	ND(1)

Notes

* - - MCL is 100 mg/l for the sum of these four chemicals.

i) Bromodichloromethane,

ii) Chlorodibromomethane,

iii) Bromoform, and

iv) Chloroform.

Table 3A
Summary of Groundwater Analytical Data (Acid Extractables)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-1	RW-1	RW-1	RW-2	RW-2	RW-2	RW-2
Sample Date:			11/18/91	04/17/92	11/30/92	03/28/91	07/16/91	11/18/91	04/17/92
Parameters	Units	MCL/SMCL							
Acid Extractables									
2,4,6-TRICHLOROPHENOL	ug/L	--	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
2,4-DICHLOROPHENOL	ug/L	--	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
2,4-DIMETHYLPHENOL	ug/L	--	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
2,4-DINITROPHENOL	ug/L	--	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2-CHLOROPHENOL	ug/L	--	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
2-NITROPHENOL	ug/L	--	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
4,6-DINITRO-O-CRESOL	ug/L	--	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)
4-CHLORO-M-CRESOL	ug/L	--	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
4-NITROPHENOL	ug/L	--	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
PENTACHLOROPHENOL	ug/L	1	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)
PHENOL	ug/L	--	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)

Table 3A
Summary of Groundwater Analytical Data (Acid Extractables)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-2	RW-2	RW-2	RW-3	RW-3	RW-4	RW-5
Sample Date:			11/30/94	05/11/95	07/05/95	09/08/94	05/11/95	04/23/93	11/18/91
Parameters	Units	MCL/SMCL							
Acid Extractables									
2,4,6-TRICHLOROPHENOL	ug/L	--	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
2,4-DICHLOROPHENOL	ug/L	--	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
2,4-DIMETHYLPHENOL	ug/L	--	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
2,4-DINITROPHENOL	ug/L	--	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2-CHLOROPHENOL	ug/L	--	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
2-NITROPHENOL	ug/L	--	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
4,6-DINITRO-O-CRESOL	ug/L	--	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)
4-CHLORO-M-CRESOL	ug/L	--	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
4-NITROPHENOL	ug/L	--	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
PENTACHLOROPHENOL	ug/L	1	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)
PHENOL	ug/L	--	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)

Table 3A
Summary of Groundwater Analytical Data (Acid Extractables)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-6	RW-6	RW-6	RW-6	RW-6	RW-6	RW-6
Sample Date:			09/30/88	05/18/89	09/25/89	05/01/90	07/16/91	11/18/91	04/17/92
Parameters	Units	MCL/SMCL							
Acid Extractables									
2,4,6-TRICHLOROPHENOL	ug/L	--	ND(30)	ND(2)	ND(2)	ND(2)	ND(0.5)	ND(0.5)	ND(0.5)
2,4-DICHLOROPHENOL	ug/L	--	ND(10)	ND(5)	ND(2)	ND(2)	ND(0.5)	ND(0.5)	ND(0.5)
2,4-DIMETHYLPHENOL	ug/L	--	ND(10)	ND(2)	ND(2)	ND(10)	ND(0.5)	ND(0.5)	ND(0.5)
2,4-DINITROPHENOL	ug/L	--	ND(60)	ND(10)	ND(100)	ND(2)	ND(10)	ND(10)	ND(10)
2-CHLOROPHENOL	ug/L	--	ND(10)	18	ND(2)	ND(2)	ND(0.1)	ND(0.1)	ND(0.1)
2-NITROPHENOL	ug/L	--	ND(10)	ND(5)	ND(2)	ND(5)	ND(5)	ND(5)	ND(5)
4,6-DINITRO-O-CRESOL	ug/L	--	ND(50)	ND(10)	ND(100)	ND(10)	ND(2)	ND(2)	ND(2)
4-CHLORO-M-CRESOL	ug/L	--	ND(50)	12	ND(2)	ND(2)	ND(0.5)	ND(0.5)	ND(0.5)
4-NITROPHENOL	ug/L	--	ND(100)	ND(5)	ND(2)	ND(10)	ND(5)	ND(5)	ND(5)
PENTACHLOROPHENOL	ug/L	1	ND(100)	ND(50)	ND(50)	ND(2)	ND(2)	ND(2)	ND(2)
PHENOL	ug/L	--	ND(100)	38	ND(50)	ND(10)	ND(5)	ND(5)	ND(5)

Table 3A
Summary of Groundwater Analytical Data (Acid Extractables)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-7	RW-7	RW-7	RW-7	RW-7	RW-8	RW-8
Sample Date:			05/18/89	09/25/89	05/01/90	07/16/91	11/18/91	09/30/88	05/18/89
Parameters	Units	MCL/SMCL							
Acid Extractables									
2,4,6-TRICHLOROPHENOL	ug/L	--	ND(2)	ND(2)	ND(2)	ND(0.5)	ND(0.5)	ND(30)	ND(2)
2,4-DICHLOROPHENOL	ug/L	--	ND(5)	ND(2)	ND(2)	ND(0.5)	ND(0.5)	ND(10)	ND(5)
2,4-DIMETHYLPHENOL	ug/L	--	ND(2)	ND(2)	ND(10)	ND(0.5)	ND(0.5)	ND(10)	ND(2)
2,4-DINITROPHENOL	ug/L	--	ND(10)	ND(100)	ND(2)	ND(10)	ND(10)	ND(60)	ND(10)
2-CHLOROPHENOL	ug/L	--	ND(5)	ND(2)	ND(2)	ND(0.1)	ND(0.1)	ND(10)	ND(5)
2-NITROPHENOL	ug/L	--	ND(5)	ND(2)	ND(5)	ND(5)	ND(5)	ND(10)	ND(5)
4,6-DINITRO-O-CRESOL	ug/L	--	ND(10)	ND(100)	ND(10)	ND(2)	ND(2)	ND(50)	ND(10)
4-CHLORO-M-CRESOL	ug/L	--	ND(1)	ND(2)	ND(2)	ND(0.5)	ND(0.5)	ND(50)	ND(1)
4-NITROPHENOL	ug/L	--	ND(5)	ND(2)	ND(10)	ND(5)	ND(5)	ND(100)	ND(5)
PENTACHLOROPHENOL	ug/L	1	ND(50)	ND(50)	ND(2)	ND(2)	ND(2)	ND(100)	ND(50)
PHENOL	ug/L	--	ND(8)	ND(50)	ND(10)	ND(5)	ND(5)	ND(100)	ND(8)

Table 3A
Summary of Groundwater Analytical Data (Acid Extractables)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-11	RW-11	RW-11	RW-11	RW-11	RW-11	RW-12
Sample Date:			09/30/88	05/18/89	09/25/89	05/01/90	07/16/91	11/18/91	05/01/90
Parameters	Units	MCL/SMCL							
Acid Extractables									
2,4,6-TRICHLOROPHENOL	ug/L	--	ND(30)	ND(2)	ND(2)	ND(2)	ND(0.5)	ND(0.5)	ND(2)
2,4-DICHLOROPHENOL	ug/L	--	ND(10)	ND(5)	ND(2)	ND(2)	ND(0.5)	ND(0.5)	ND(2)
2,4-DIMETHYLPHENOL	ug/L	--	ND(10)	ND(2)	ND(2)	ND(10)	ND(0.5)	ND(0.5)	ND(10)
2,4-DINITROPHENOL	ug/L	--	ND(60)	ND(10)	ND(100)	ND(2)	ND(10)	ND(10)	ND(2)
2-CHLOROPHENOL	ug/L	--	ND(10)	ND(5)	ND(2)	ND(2)	ND(0.1)	ND(0.1)	ND(2)
2-NITROPHENOL	ug/L	--	ND(10)	ND(5)	ND(2)	ND(5)	ND(5)	ND(5)	ND(5)
4,6-DINITRO-O-CRESOL	ug/L	--	ND(50)	ND(10)	ND(100)	ND(10)	ND(2)	ND(2)	ND(10)
4-CHLORO-M-CRESOL	ug/L	--	ND(50)	ND(1)	ND(2)	ND(2)	ND(0.5)	ND(0.5)	ND(2)
4-NITROPHENOL	ug/L	--	ND(100)	ND(5)	ND(2)	ND(10)	ND(5)	ND(5)	ND(10)
PENTACHLOROPHENOL	ug/L	1	ND(100)	ND(50)	ND(50)	ND(2)	ND(2)	ND(2)	ND(2)
PHENOL	ug/L	--	ND(100)	ND(8)	ND(50)	ND(10)	ND(5)	ND(5)	ND(10)

Table 3A
Summary of Groundwater Analytical Data (Acid Extractables)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-12	RW-12	RW-12	RW-12	RW-12	RW-12	RW-12
Sample Date:			09/03/93	12/09/93	04/28/94	07/11/94	09/08/94	11/30/94	05/11/95
Parameters	Units	MCL/SMCL							
Acid Extractables									
2,4,6-TRICHLOROPHENOL	ug/L	--	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
2,4-DICHLOROPHENOL	ug/L	--	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
2,4-DIMETHYLPHENOL	ug/L	--	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
2,4-DINITROPHENOL	ug/L	--	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2-CHLOROPHENOL	ug/L	--	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
2-NITROPHENOL	ug/L	--	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
4,6-DINITRO-O-CRESOL	ug/L	--	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)
4-CHLORO-M-CRESOL	ug/L	--	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
4-NITROPHENOL	ug/L	--	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
PENTACHLOROPHENOL	ug/L	1	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)
PHENOL	ug/L	--	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)

Table 3A
Summary of Groundwater Analytical Data (Acid Extractables)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-13	RW-13	RW-13	RW-14	RW-14	RW-14	RW-14
Sample Date:			04/28/94	09/08/94	05/11/95	09/30/88	05/18/89	05/18/89	09/25/89
								Dupl.	
Parameters	Units	MCL/SMCL							
Acid Extractables									
2,4,6-TRICHLOROPHENOL	ug/L	--	ND(0.5)	ND(0.5)	ND(0.5)	ND(30)	ND(2)	ND(2)	ND(2)
2,4-DICHLOROPHENOL	ug/L	--	ND(0.5)	ND(0.5)	ND(0.5)	ND(10)	ND(5)	ND(5)	ND(2)
2,4-DIMETHYLPHENOL	ug/L	--	ND(0.5)	ND(0.5)	ND(0.5)	ND(10)	ND(2)	ND(2)	ND(2)
2,4-DINITROPHENOL	ug/L	--	ND(10)	ND(10)	ND(10)	ND(60)	ND(10)	ND(10)	ND(100)
2-CHLOROPHENOL	ug/L	--	ND(0.1)	ND(0.1)	ND(0.1)	ND(10)	ND(5)	ND(5)	ND(2)
2-NITROPHENOL	ug/L	--	ND(5)	ND(5)	ND(5)	ND(10)	ND(5)	ND(5)	ND(2)
4,6-DINITRO-O-CRESOL	ug/L	--	ND(2)	ND(2)	ND(2)	ND(50)	ND(10)	ND(10)	ND(100)
4-CHLORO-M-CRESOL	ug/L	--	ND(0.5)	ND(0.5)	ND(0.5)	ND(50)	ND(1)	ND(1)	ND(2)
4-NITROPHENOL	ug/L	--	ND(5)	ND(5)	ND(5)	ND(100)	ND(5)	ND(5)	ND(2)
PENTACHLOROPHENOL	ug/L	1	ND(2)	ND(2)	ND(2)	ND(100)	ND(50)	ND(50)	ND(50)
PHENOL	ug/L	--	ND(5)	ND(5)	ND(5)	ND(100)	ND(8)	ND(8)	ND(50)

Table 3A
Summary of Groundwater Analytical Data (Acid Extractables)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-16	RW-17	RW-18	RW-18	RW-18	RW-18	RW-18
Sample Date:			05/18/89	09/03/93	09/30/88	05/18/89	09/25/89	09/25/89	05/01/90
								Dupl.	
Parameters	Units	MCL/SMCL							
Acid Extractables									
2,4,6-TRICHLOROPHENOL	ug/L	--	ND(2)	ND(0.5)	ND(30)	ND(2)	ND(2)	ND(2)	ND(2)
2,4-DICHLOROPHENOL	ug/L	--	ND(5)	ND(0.5)	ND(10)	ND(5)	ND(2)	ND(2)	ND(2)
2,4-DIMETHYLPHENOL	ug/L	--	ND(2)	ND(0.5)	ND(10)	ND(2)	ND(2)	ND(2)	ND(10)
2,4-DINITROPHENOL	ug/L	--	ND(10)	ND(10)	ND(60)	ND(10)	ND(100)	ND(100)	ND(2)
2-CHLOROPHENOL	ug/L	--	ND(5)	ND(0.1)	ND(10)	ND(5)	ND(2)	ND(2)	ND(2)
2-NITROPHENOL	ug/L	--	ND(5)	ND(5)	ND(10)	ND(5)	ND(2)	ND(2)	ND(5)
4,6-DINITRO-O-CRESOL	ug/L	--	ND(10)	ND(2)	ND(50)	ND(10)	ND(100)	ND(100)	ND(10)
4-CHLORO-M-CRESOL	ug/L	--	ND(1)	ND(0.5)	ND(50)	ND(1)	ND(2)	ND(2)	ND(2)
4-NITROPHENOL	ug/L	--	ND(5)	ND(5)	ND(100)	ND(5)	ND(2)	ND(2)	ND(10)
PENTACHLOROPHENOL	ug/L	1	ND(50)	ND(2)	ND(100)	ND(50)	ND(50)	ND(50)	ND(2)
PHENOL	ug/L	--	ND(8)	ND(5)	ND(100)	ND(8)	ND(50)	ND(50)	ND(10)

Table 3A
Summary of Groundwater Analytical Data (Acid Extractables)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-19	RW-19	RW-19	RW-20	RW-20	RW-20	RW-20
Sample Date:			09/25/89	05/01/90	07/16/91	09/30/88	05/18/89	09/25/89	05/01/90
Parameters	Units	MCL/SMCL							
Acid Extractables									
2,4,6-TRICHLOROPHENOL	ug/L	--	ND(2)	ND(2)	ND(0.5)	ND(30)	ND(2)	ND(2)	ND(2)
2,4-DICHLOROPHENOL	ug/L	--	ND(2)	ND(2)	ND(0.5)	ND(10)	ND(5)	ND(2)	ND(2)
2,4-DIMETHYLPHENOL	ug/L	--	ND(2)	ND(10)	ND(0.5)	ND(10)	ND(2)	ND(2)	ND(10)
2,4-DINITROPHENOL	ug/L	--	ND(100)	ND(2)	ND(10)	ND(60)	ND(10)	ND(100)	ND(2)
2-CHLOROPHENOL	ug/L	--	ND(2)	ND(2)	ND(0.1)	ND(10)	ND(5)	ND(2)	ND(2)
2-NITROPHENOL	ug/L	--	ND(2)	ND(5)	ND(5)	ND(10)	ND(5)	ND(2)	ND(5)
4,6-DINITRO-O-CRESOL	ug/L	--	ND(100)	ND(10)	ND(2)	ND(50)	ND(10)	ND(100)	ND(10)
4-CHLORO-M-CRESOL	ug/L	--	ND(2)	ND(2)	ND(0.5)	ND(50)	ND(1)	ND(2)	ND(2)
4-NITROPHENOL	ug/L	--	ND(2)	ND(10)	ND(5)	ND(100)	ND(5)	ND(2)	ND(10)
PENTACHLOROPHENOL	ug/L	1	ND(50)	ND(2)	ND(2)	ND(100)	ND(50)	ND(50)	ND(2)
PHENOL	ug/L	--	ND(50)	ND(10)	ND(5)	ND(100)	ND(8)	ND(50)	ND(10)

Table 3A
Summary of Groundwater Analytical Data (Acid Extractables)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-20	RW-20	RW-20	RW-20	RW-20	RW-20	RW-21
Sample Date:			12/09/93	07/11/94	09/08/94	11/30/94	05/11/95	07/05/95	09/03/93
Parameters	Units	MCL/SMCL							
Acid Extractables									
2,4,6-TRICHLOROPHENOL	ug/L	--	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
2,4-DICHLOROPHENOL	ug/L	--	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
2,4-DIMETHYLPHENOL	ug/L	--	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
2,4-DINITROPHENOL	ug/L	--	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2-CHLOROPHENOL	ug/L	--	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
2-NITROPHENOL	ug/L	--	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
4,6-DINITRO-O-CRESOL	ug/L	--	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)
4-CHLORO-M-CRESOL	ug/L	--	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
4-NITROPHENOL	ug/L	--	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
PENTACHLOROPHENOL	ug/L	1	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)
PHENOL	ug/L	--	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)

Table 3A
Summary of Groundwater Analytical Data (Acid Extractables)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-23	RW-23	RW-23	RW-23	RW-23	RW-24	RW-25
Sample Date:			04/23/93	09/03/93	04/28/94	09/08/94	05/11/95	09/30/88	09/30/88
Parameters	Units	MCL/SMCL							
Acid Extractables									
2,4,6-TRICHLOROPHENOL	ug/L	--	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(30)	ND(30)
2,4-DICHLOROPHENOL	ug/L	--	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(10)	ND(10)
2,4-DIMETHYLPHENOL	ug/L	--	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(10)	ND(10)
2,4-DINITROPHENOL	ug/L	--	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(60)	ND(60)
2-CHLOROPHENOL	ug/L	--	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(10)	ND(10)
2-NITROPHENOL	ug/L	--	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(10)	ND(10)
4,6-DINITRO-O-CRESOL	ug/L	--	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(50)	ND(50)
4-CHLORO-M-CRESOL	ug/L	--	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(50)	ND(50)
4-NITROPHENOL	ug/L	--	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(100)	ND(100)
PENTACHLOROPHENOL	ug/L	1	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(100)	ND(100)
PHENOL	ug/L	--	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(100)	ND(100)

Table 3A
Summary of Groundwater Analytical Data (Acid Extractables)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-25	RW-25	RW-25	RW-25	RW-25	RW-25	RW-25
Sample Date:			11/30/92	04/23/93	09/03/93	12/09/93	04/28/94	07/11/94	09/08/94
Parameters	Units	MCL/SMCL							
Acid Extractables									
2,4,6-TRICHLOROPHENOL	ug/L	--	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
2,4-DICHLOROPHENOL	ug/L	--	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
2,4-DIMETHYLPHENOL	ug/L	--	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
2,4-DINITROPHENOL	ug/L	--	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2-CHLOROPHENOL	ug/L	--	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
2-NITROPHENOL	ug/L	--	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
4,6-DINITRO-O-CRESOL	ug/L	--	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)
4-CHLORO-M-CRESOL	ug/L	--	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
4-NITROPHENOL	ug/L	--	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
PENTACHLOROPHENOL	ug/L	1	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)
PHENOL	ug/L	--	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)

Table 3A
Summary of Groundwater Analytical Data (Acid Extractables)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-26	RW-26	RW-27	RW-28	RW-28	RW-28	RW-28
Sample Date:			07/16/91	11/18/91	07/05/95	09/30/88	05/18/89	09/25/89	05/01/90
Parameters	Units	MCL/SMCL							
Acid Extractables									
2,4,6-TRICHLOROPHENOL	ug/L	--	ND(0.5)	ND(0.5)	ND(0.5)	ND(30)	ND(2)	ND(2)	ND(2)
2,4-DICHLOROPHENOL	ug/L	--	ND(0.5)	ND(0.5)	ND(0.5)	ND(10)	ND(5)	ND(2)	ND(2)
2,4-DIMETHYLPHENOL	ug/L	--	ND(0.5)	ND(0.5)	ND(0.5)	ND(10)	ND(2)	ND(2)	ND(10)
2,4-DINITROPHENOL	ug/L	--	ND(10)	ND(10)	ND(10)	ND(60)	ND(10)	ND(100)	ND(2)
2-CHLOROPHENOL	ug/L	--	ND(0.1)	ND(0.1)	ND(0.1)	ND(10)	ND(5)	ND(2)	ND(2)
2-NITROPHENOL	ug/L	--	ND(5)	ND(5)	ND(5)	ND(10)	ND(5)	ND(2)	ND(5)
4,6-DINITRO-O-CRESOL	ug/L	--	ND(2)	ND(2)	ND(2)	ND(50)	ND(10)	ND(100)	ND(10)
4-CHLORO-M-CRESOL	ug/L	--	ND(0.5)	ND(0.5)	ND(0.5)	ND(50)	ND(1)	ND(2)	ND(2)
4-NITROPHENOL	ug/L	--	ND(5)	ND(5)	ND(5)	ND(100)	ND(5)	ND(2)	ND(10)
PENTACHLOROPHENOL	ug/L	1	ND(2)	ND(2)	ND(2)	ND(100)	ND(50)	ND(50)	ND(2)
PHENOL	ug/L	--	ND(5)	ND(5)	ND(5)	ND(100)	ND(8)	ND(50)	ND(10)

Table 3A
Summary of Groundwater Analytical Data (Acid Extractables)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-30	RW-31	RW-31	RW-31	RW-31	RW-31	RW-31
Sample Date:			09/30/88	09/30/88	05/18/89	09/25/89	05/01/90	07/16/91	11/18/91
Parameters	Units	MCL/SMCL							
Acid Extractables									
2,4,6-TRICHLOROPHENOL	ug/L	--	ND(30)	ND(30)	ND(2)	ND(2)	ND(2)	ND(0.5)	ND(0.5)
2,4-DICHLOROPHENOL	ug/L	--	ND(10)	ND(10)	ND(5)	ND(2)	ND(2)	ND(0.5)	ND(0.5)
2,4-DIMETHYLPHENOL	ug/L	--	ND(10)	ND(10)	ND(2)	ND(2)	ND(10)	ND(0.5)	ND(0.5)
2,4-DINITROPHENOL	ug/L	--	ND(60)	ND(60)	ND(10)	ND(100)	ND(2)	ND(10)	ND(10)
2-CHLOROPHENOL	ug/L	--	ND(10)	ND(10)	ND(5)	ND(2)	ND(2)	ND(0.1)	ND(0.1)
2-NITROPHENOL	ug/L	--	ND(10)	ND(10)	ND(5)	ND(2)	ND(5)	ND(5)	ND(5)
4,6-DINITRO-O-CRESOL	ug/L	--	ND(50)	ND(50)	ND(10)	ND(100)	ND(10)	ND(2)	ND(2)
4-CHLORO-M-CRESOL	ug/L	--	ND(50)	ND(50)	ND(1)	ND(2)	ND(2)	ND(0.5)	ND(0.5)
4-NITROPHENOL	ug/L	--	ND(100)	ND(100)	ND(5)	ND(2)	ND(10)	ND(5)	ND(5)
PENTACHLOROPHENOL	ug/L	1	ND(100)	ND(100)	ND(50)	ND(50)	ND(2)	ND(2)	ND(2)
PHENOL	ug/L	--	ND(100)	ND(100)	ND(8)	ND(50)	ND(10)	ND(5)	ND(5)

Table 3A
Summary of Groundwater Analytical Data (Acid Extractables)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-32	RW-32	RW-32	RW-32	RW-32	RW-32	RW-32
Sample Date:			09/30/88	05/18/89	09/25/89	05/01/90	07/16/91	11/18/91	04/17/92
Parameters	Units	MCL/SMCL							
Acid Extractables									
2,4,6-TRICHLOROPHENOL	ug/L	--	ND(30)	ND(2)	ND(2)	ND(2)	ND(0.5)	ND(0.5)	ND(0.5)
2,4-DICHLOROPHENOL	ug/L	--	ND(10)	ND(5)	ND(2)	ND(2)	ND(0.5)	ND(0.5)	ND(0.5)
2,4-DIMETHYLPHENOL	ug/L	--	ND(10)	ND(2)	ND(2)	ND(10)	ND(0.5)	ND(0.5)	ND(0.5)
2,4-DINITROPHENOL	ug/L	--	ND(60)	ND(10)	ND(100)	ND(2)	ND(10)	ND(10)	ND(10)
2-CHLOROPHENOL	ug/L	--	ND(10)	ND(5)	ND(2)	ND(2)	ND(0.1)	ND(0.1)	ND(0.1)
2-NITROPHENOL	ug/L	--	ND(10)	ND(5)	ND(2)	ND(5)	ND(5)	ND(5)	ND(5)
4,6-DINITRO-O-CRESOL	ug/L	--	ND(50)	ND(10)	ND(100)	ND(10)	ND(2)	ND(2)	ND(2)
4-CHLORO-M-CRESOL	ug/L	--	ND(50)	ND(1)	ND(2)	ND(2)	ND(0.5)	ND(0.5)	ND(0.5)
4-NITROPHENOL	ug/L	--	ND(100)	ND(5)	ND(2)	ND(10)	ND(5)	ND(5)	ND(5)
PENTACHLOROPHENOL	ug/L	1	ND(100)	ND(50)	ND(50)	ND(2)	ND(2)	ND(2)	ND(2)
PHENOL	ug/L	--	ND(100)	ND(8)	ND(50)	ND(10)	ND(5)	ND(5)	ND(5)

Table 3A
Summary of Groundwater Analytical Data (Acid Extractables)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-33
Sample Date:			05/01/90
Parameters	Units	MCL/SMCL	
Acid Extractables			
2,4,6-TRICHLOROPHENOL	ug/L	--	ND(2)
2,4-DICHLOROPHENOL	ug/L	--	ND(2)
2,4-DIMETHYLPHENOL	ug/L	--	ND(10)
2,4-DINITROPHENOL	ug/L	--	ND(2)
2-CHLOROPHENOL	ug/L	--	ND(2)
2-NITROPHENOL	ug/L	--	ND(5)
4,6-DINITRO-O-CRESOL	ug/L	--	ND(10)
4-CHLORO-M-CRESOL	ug/L	--	ND(2)
4-NITROPHENOL	ug/L	--	ND(10)
PENTACHLOROPHENOL	ug/L	1	ND(2)
PHENOL	ug/L	--	ND(10)

LEGEND

Organic Data Qualifiers

Data Validation Qualifiers

- J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- U( ) - The analyte was analyzed for, but was not detected above the reported sample quantitation limit (in parentheses).
- R - The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.
- N - The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative idenitification".
- NJ - The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
- UJ - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- NS - Not sampled.

Laboratory Qualifiers

- J - Indicates that the compound was analyzed for and determined to be present in the sample. The mass spectrum of the compound meets the identification criteria of the method. The concentration listed is an estimated value, which is less than the specified minimum detection limit but is greater than zero.
- B - This flag is used when the analyte is found in the blanks as well as the sample. It indicates possible sample contamination and warns the data user to use caution when applying the results of this analyte.
- N - Indicates that the compound was analyzed for but not requested as an analyte. Value will not be listed on tabular result sheet.
- S - Estimated due to surrogate outliers.
- A - This flag indicates that a TIC is a suspected aldol condensation product.
- E - Indicates that it exceeds calibration curve range.
- D - This flag identifies all compounds identified in an analysis at a secondary dilution factor.

Inorganic and Indicator Parameter Data Qualifiers

Data Validation Qualifiers

- U( ) - The analyte was analyzed for but was not detected above the level of the associated value in parentheses. The associated value is the Instrument Detection Limit (IDL) for all analytes except Cyanide (CN) and Mercury (Hg). For CN and Hg, the associated value is the Contract Required Detection Limit (CRDL)
- J - The analyte was analyzed for and was positively identified, but the associated numerical value may not be consistent with the amount actually present in the environmental sample.
- R - The analyte was analyzed for, but the presence or absence of the analyte has not been verified. Resampling and reanalyses are necessary to confirm or deny the presence of the analyte.
- UJ - A combination of the "U" and the "J" qualifier. The analyte was analyzed for but was not detected above the level of the associated value. The associated value may not accurately or precisely represent the sample detection limit.
- NS - Not sampled.

Laboratory Qualifiers

- B - The reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but was greater than or equal to the Instrument Detection Limit (IDL).
- E - The reported value is estimated because of the presence of interference.
- M - Duplicate injection precision not met.
- N - Spiked sample recovery not within control limits.
- S - The reported value was determined by the Method of Standard Additions (MSA).
- W - Post-digestion spike for Furnace AA analysis is out of control limits (85-115%), while the sample absorbance is less than 50% of spike absorbance.
- * - Duplicate analysis not within control limits.
- + - Correlation coefficient for the MSA is less than 0.995.

Table 3B
Summary of Groundwater Analytical Data (Base Neutrals)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Date Printed: May 8, 1996
Time Printed: 1:39 pm

Location:			RW-2	RW-2	RW-2	RW-2	RW-2	RW-2	RW-2
Sample Date:			03/28/91	07/16/91	11/18/91	04/29/92	11/30/92	04/23/93	09/03/93
Parameters	Units	MCL/SMCL							
Base Neutrals/SVOC									
1-METHYL NAPTHALENE	ug/L	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
2,3-DICHLOROBIPHENYL	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	--	--	--	--
2-CHLOROBIPHENYL	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	--	--	--	--
4,4-DDD	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
4,4-DDE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
4,4-DDT	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
ACENAPHTHYLENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
ALACHLOR	ug/L	2	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
ALDRIN	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
ALPHA-BHC	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
ALPHA-CHLORDANE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
AMETRYN	ug/L	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
ANTHRACENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
AROCHLOR 1016	ug/L	--	--	ND(NE)	ND(NE)	--	--	--	--
AROCHLOR 1060	ug/L	--	--	ND(NE)	ND(NE)	--	--	--	--
ASPON	ug/L	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
ATRATON	ug/L	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
ATRAZINE	ug/L	3	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
AZINPHOS-METHYL	ug/L	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
BENFLURALIN	ug/L	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
BENZO (A) ANTHRACENE	ug/L	--	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
BENZO (A) PYRENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
BENZO (B) FLUORANTHENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
BENZO (GHI) PERYLENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
BENZO (K) FLUORANTHENE	ug/L	--	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
BETA-BHC	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
BIS(2-ETHYLHEXYL) ADIPATE	ug/L	400	--	ND(2)	ND(2)	--	--	--	--
BIS(2-ETHYLHEXYL) PHTHALATE	ug/L	6	--	ND(2)	ND(2)	--	--	--	--
BOLSTAR	ug/L	--	--	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)
BROMACIL	ug/L	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
BUTACHLOR	ug/L	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
BUTYL BENZYL PHTHALATE	ug/L	--	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)
BUTYLATE	ug/L	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
CARBOXIN	ug/L	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
CHLOMAZONE	ug/L	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
CHLORDANE	ug/L	--	--	--	--	--	--	--	--
CHLORNEB	ug/L	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
CHLOROBENZILATE	ug/L	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
CHLOROBIPHENYL	ug/L	0.5	--	--	--	ND(0.2)	ND(0.2)	ND(0.5)	ND(0.5)
CHLORONEB	ug/L	--	--	--	--	--	--	--	--
CHLOROPROPHAM	ug/L	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)

Table 3B
Summary of Groundwater Analytical Data (Base Neutrals)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-2	RW-2	RW-2	RW-2	RW-2	RW-2	RW-2
Sample Date:			03/28/91	07/16/91	11/18/91	04/29/92	11/30/92	04/23/93	09/03/93
Parameters	Units	MCL/SMCL							
Base Neutrals/SVOC (Cont'd)									
FAMPHUR	ug/L	--	--	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)
FENAMIPHOS	ug/L	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
FENARIMOL	ug/L	--	--	ND(NE)	ND(2)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
FENTHION	ug/L	--	--	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)
FLUAZIFOP-BUTYL	ug/L	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
FLUCHLORALIN	ug/L	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
FLUOMETURON	ug/L	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
FLUORENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
FLURIDONE	ug/L	--	--	ND(NE)	ND(2)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
GAMMA-BHC (LINDANE)	ug/L	4	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
GAMMA-CHLORDANE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
HEPTACHLOR	ug/L	0.4	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
HEPTACHLOR EPOXIDE	ug/L	0.2	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
HEPTACHLOROBIPHENYL	ug/L	0.5	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
HEXACHLOROBENZENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
HEXACHLOROBIPHENYL	ug/L	0.5	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.5)	ND(0.5)
HEXACHLOROCYCLOPENTADIENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
HEXAZINONE	ug/L	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
INDENO (1,2,3-CD) PYRENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
LACTOFEN	ug/L	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
LINURON	ug/L	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
MALATHION	ug/L	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
MERPHOS	ug/L	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
METHOXYCHLOR	ug/L	5	ND(2)	ND(2)	ND(2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
METHYL PARAOXON	ug/L	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
METHYL PARATHION	ug/L	--	--	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)
METOLACHLOR	ug/L	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
METRIBUZIN	ug/L	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
MEVINPHOS	ug/L	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
MGK-264	ug/L	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
MOLINATE	ug/L	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
NAPROMAMIDE	ug/L	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
NORFLURAZON	ug/L	--	--	ND(NE)	ND(2)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
OCTACHLOROBIPHENYL	ug/L	0.5	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
ORYZALIN	ug/L	--	--	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)
OXADIAZON	ug/L	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
PARATHION	ug/L	--	--	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)
PEBULATE	ug/L	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
PENDIMETHALIN	ug/L	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
PENTACHLOROBIPHENYL	ug/L	0.5	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.5)	ND(0.5)
PERMETHRIN,CIS-	ug/L	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)

Table 3B
Summary of Groundwater Analytical Data (Base Neutrals)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Date Printed: May 8, 1996
Time Printed: 1:39 pm

Location:			RW-2	RW-2	RW-2	RW-2	RW-2	RW-2	RW-3
Sample Date:			12/09/93	04/28/94	07/11/94	09/08/94	11/30/94	07/05/95	05/11/95
Parameters	Units	MCL/SMCL							
Base Neutrals/SVOC									
1-METHYL NAPTHALENE	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
2,3-DICHLOROBIPHENYL	ug/L	--	--	--	--	--	--	--	--
2-CHLOROBIPHENYL	ug/L	--	--	--	--	--	--	--	--
4,4-DDD	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
4,4-DDE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
4,4-DDT	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
ACENAPHTHYLENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
ALACHLOR	ug/L	2	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
ALDRIN	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
ALPHA-BHC	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
ALPHA-CHLORDANE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
AMETRYN	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
ANTHRACENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
AROCHLOR 1016	ug/L	--	--	--	--	--	--	--	--
AROCHLOR 1060	ug/L	--	--	--	--	--	--	--	--
ASPON	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
ATRATON	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
ATRAZINE	ug/L	3	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
AZINPHOS-METHYL	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
BENFLURALIN	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
BENZO (A) ANTHRACENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
BENZO (A) PYRENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
BENZO (B) FLUORANTHENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
BENZO (GHI) PERYLENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
BENZO (K) FLUORANTHENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
BETA-BHC	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
BIS(2-ETHYLHEXYL) ADIPATE	ug/L	400	--	--	--	--	--	--	--
BIS(2-ETHYLHEXYL) PHTHALATE	ug/L	6	--	--	--	--	--	--	--
BOLSTAR	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
BROMACIL	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
BUTACHLOR	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
BUTYL BENZYL PHTHALATE	ug/L	--	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)
BUTYLATE	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
CARBOXIN	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
CHLOMAZONE	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
CHLORDANE	ug/L	--	--	--	--	--	--	--	--
CHLORNEB	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--	--
CHLOROBENZILATE	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
CHLOROBIPHENYL	ug/L	0.5	ND(0.5)	ND(0.5)	ND(0.2)	ND(0.5)	ND(0.2)	ND(0.2)	ND(0.2)
CHLORONEB	ug/L	--	--	--	--	--	ND(NE)	ND(NE)	ND(NE)
CHLOROPROPHAM	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)

Table 3B
Summary of Groundwater Analytical Data (Base Neutrals)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Date Printed: May 8, 1996
Time Printed: 1:39 pm

Location:			RW-2	RW-2	RW-2	RW-2	RW-2	RW-2	RW-3
Sample Date:			12/09/93	04/28/94	07/11/94	09/08/94	11/30/94	07/05/95	05/11/95
Parameters	Units	MCL/SMCL							
Base Neutrals/SVOC (Cont'd)									
FAMPHUR	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
FENAMIPHOS	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
FENARIMOL	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
FENTHION	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
FLUAZIFOP-BUTYL	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
FLUCHLORALIN	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
FLUOMETURON	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
FLUORENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
FLURIDONE	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
GAMMA-BHC (LINDANE)	ug/L	4	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
GAMMA-CHLORDANE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
HEPTACHLOR	ug/L	0.4	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
HEPTACHLOR EPOXIDE	ug/L	0.2	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
HEPTACHLOROBIPHENYL	ug/L	0.5	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
HEXACHLOROBENZENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
HEXACHLOROBIPHENYL	ug/L	0.5	ND(0.5)	ND(0.5)	ND(0.2)	ND(0.5)	ND(0.2)	ND(0.2)	ND(0.2)
HEXACHLOROCYCLOPENTADIENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
HEXAZINONE	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
INDENO (1,2,3-CD) PYRENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
LACTOFEN	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
LINURON	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
MALATHION	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
MERPHOS	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
METHOXYCHLOR	ug/L	5	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
METHYL PARAOXON	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
METHYL PARATHION	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
METOLACHLOR	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
METRIBUZIN	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
MEVINPHOS	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
MGK-264	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
MOLINATE	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
NAPROMAMIDE	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
NORFLURAZON	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
OCTACHLOROBIPHENYL	ug/L	0.5	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
ORYZALIN	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
OXADIAZON	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
PARATHION	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
PEBULATE	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
PENDIMETHALIN	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
PENTACHLOROBIPHENYL	ug/L	0.5	ND(0.5)	ND(0.5)	ND(0.2)	ND(0.5)	ND(0.2)	ND(0.2)	ND(0.2)
PERMETHRIN,CIS-	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)

Table 3B
Summary of Groundwater Analytical Data (Base Neutrals)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Date Printed: May 8, 1996
Time Printed: 1:39 pm

Location:			RW-6	RW-7	RW-8	RW-11	RW-12	RW-12	RW-12
Sample Date:			07/16/91	07/16/91	07/16/91	07/16/91	05/01/90	05/01/90	03/28/91
								Dupl.	
Parameters	Units	MCL/SMCL							
Base Neutrals/SVOC									
1-METHYL NAPTHALENE	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--	--
2,3-DICHLOROBIPHENYL	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
2-CHLOROBIPHENYL	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
4,4-DDD	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
4,4-DDE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
4,4-DDT	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	--	--	ND(0.2)
ACENAPHTHYLENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
ALACHLOR	ug/L	2	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
ALDRIN	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
ALPHA-BHC	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
ALPHA-CHLORDANE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
AMETRYN	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--	--
ANTHRACENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
AROCHLOR 1016	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--	--
AROCHLOR 1060	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--	--
ASPON	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--	--
ATRATON	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--	--
ATRAZINE	ug/L	3	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
AZINPHOS-METHYL	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--	--
BENFLURALIN	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--	--
BENZO (A) ANTHRACENE	ug/L	--	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
BENZO (A) PYRENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.5)	ND(0.5)	ND(0.2)
BENZO (B) FLUORANTHENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
BENZO (GHI) PERYLENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
BENZO (K) FLUORANTHENE	ug/L	--	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
BETA-BHC	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
BIS(2-ETHYLHEXYL) ADIPATE	ug/L	400	ND(2)	ND(2)	ND(2)	ND(2)	--	--	--
BIS(2-ETHYLHEXYL) PHTHALATE	ug/L	6	ND(2)	ND(2)	ND(2)	ND(2)	--	--	--
BOLSTAR	ug/L	--	--	--	--	--	--	--	--
BROMACIL	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--	--
BUTACHLOR	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--	--
BUTYL BENZYL PHTHALATE	ug/L	--	ND(2)	ND(2)	ND(2)	2.4	ND(5)	ND(5)	ND(2)
BUTYLATE	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--	--
CARBOXIN	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--	--
CHLOMAZONE	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--	--
CHLORDANE	ug/L	--	--	--	--	--	--	--	--
CHLORNEB	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--	--
CHLOROBENZILATE	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--	--
CHLOROBIPHENYL	ug/L	0.5	--	--	--	--	--	--	--
CHLORONEB	ug/L	--	--	--	--	--	--	--	--
CHLOROPROPHAM	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--	--

Table 3B
Summary of Groundwater Analytical Data (Base Neutrals)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Date Printed: May 8, 1996
Time Printed: 1:40 pm

Location:			RW-6	RW-7	RW-8	RW-11	RW-12	RW-12	RW-12
Sample Date:			07/16/91	07/16/91	07/16/91	07/16/91	05/01/90	05/01/90	03/28/91
								Dupl.	
Parameters	Units	MCL/SMCL							
Base Neutrals/SVOC (Cont'd)									
FAMPHUR	ug/L	--	--	--	--	--	--	--	--
FENAMIPHOS	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--	--
FENARIMOL	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--	--
FENTHION	ug/L	--	--	--	--	--	--	--	--
FLUAZIFOP-BUTYL	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--	--
FLUCHLORALIN	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--	--
FLUOMETURON	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--	--
FLUORENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
FLURIDONE	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--	--
GAMMA-BHC (LINDANE)	ug/L	4	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
GAMMA-CHLORDANE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
HEPTACHLOR	ug/L	0.4	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
HEPTACHLOR EPOXIDE	ug/L	0.2	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
HEPTACHLOROBIPHENYL	ug/L	0.5	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
HEXACHLOROBENZENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
HEXACHLOROBIPHENYL	ug/L	0.5	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
HEXACHLOROCYCLOPENTADIENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.8)	ND(0.8)	ND(0.2)
HEXAZINONE	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--	--
INDENO (1,2,3-CD) PYRENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.5)	ND(0.5)	ND(0.2)
LACTOFEN	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--	--
LINURON	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--	--
MALATHION	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--	--
MERPHOS	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--	--
METHOXYCHLOR	ug/L	5	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)
METHYL PARAOXON	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--	--
METHYL PARATHION	ug/L	--	--	--	--	--	--	--	--
METOLACHLOR	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--	--
METRIBUZIN	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--	--
MEVINPHOS	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--	--
MGK-264	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--	--
MOLINATE	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--	--
NAPROMAMIDE	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--	--
NORFLURAZON	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--	--
OCTACHLOROBIPHENYL	ug/L	0.5	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
ORYZALIN	ug/L	--	--	--	--	--	--	--	--
OXADIAZON	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--	--
PARATHION	ug/L	--	--	--	--	--	--	--	--
PEBULATE	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--	--
PENDIMETHALIN	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--	--
PENTACHLOROBIPHENYL	ug/L	0.5	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
PERMETHRIN,CIS-	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--	--

Table 3B
Summary of Groundwater Analytical Data (Base Neutrals)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Date Printed: May 8, 1996
Time Printed: 1:40 pm

Location:			RW-12	RW-12	RW-12	RW-12	RW-12	RW-12	RW-12
Sample Date:			07/16/91	11/18/91	04/29/92	11/30/92	04/23/93	09/03/93	12/09/93
Parameters	Units	MCL/SMCL							
Base Neutrals/SVOC									
1-METHYL NAPTHALENE	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
2,3-DICHLOROBIPHENYL	ug/L	--	ND(0.2)	ND(0.2)	--	--	--	--	--
2-CHLOROBIPHENYL	ug/L	--	ND(0.2)	ND(0.2)	--	--	--	--	--
4,4-DDD	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
4,4-DDE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
4,4-DDT	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
ACENAPHTHYLENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
ALACHLOR	ug/L	2	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
ALDRIN	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
ALPHA-BHC	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
ALPHA-CHLORDANE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
AMETRYN	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
ANTHRACENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
AROCHLOR 1016	ug/L	--	ND(NE)	ND(NE)	--	--	--	--	--
AROCHLOR 1060	ug/L	--	ND(NE)	ND(NE)	--	--	--	--	--
ASPON	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
ATRATON	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
ATRAZINE	ug/L	3	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
AZINPHOS-METHYL	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
BENFLURALIN	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
BENZO (A) ANTHRACENE	ug/L	--	ND(0.5)	ND(0.5)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
BENZO (A) PYRENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
BENZO (B) FLUORANTHENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
BENZO (GHI) PERYLENE	ug/L	--	ND(1)	ND(1)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
BENZO (K) FLUORANTHENE	ug/L	--	ND(0.5)	ND(0.5)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
BETA-BHC	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
BIS(2-ETHYLHEXYL) ADIPATE	ug/L	400	ND(2)	ND(2)	--	--	--	--	--
BIS(2-ETHYLHEXYL) PHTHALATE	ug/L	6	ND(2)	ND(2)	--	--	--	--	--
BOLSTAR	ug/L	--	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
BROMACIL	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
BUTACHLOR	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
BUTYL BENZYL PHTHALATE	ug/L	--	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)
BUTYLATE	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
CARBOXIN	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
CHLOMAZONE	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
CHLORDANE	ug/L	--	--	--	--	--	--	--	--
CHLORNEB	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
CHLOROBENZILATE	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
CHLOROBIPHENYL	ug/L	0.5	--	--	ND(0.2)	ND(0.2)	ND(0.5)	ND(0.5)	ND(0.5)
CHLORONEB	ug/L	--	--	--	--	--	--	--	--
CHLOROPROPHAM	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)

Table 3B
Summary of Groundwater Analytical Data (Base Neutrals)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-12	RW-12	RW-12	RW-12	RW-12	RW-12	RW-12
Sample Date:			07/16/91	11/18/91	04/29/92	11/30/92	04/23/93	09/03/93	12/09/93
Parameters	Units	MCL/SMCL							
Base Neutrals/SVOC (Cont'd)									
FAMPHUR	ug/L	--	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
FENAMIPHOS	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
FENARIMOL	ug/L	--	ND(NE)	ND(2)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
FENTHION	ug/L	--	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
FLUAZIFOP-BUTYL	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
FLUCHLORALIN	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
FLUOMETURON	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
FLUORENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
FLURIDONE	ug/L	--	ND(NE)	ND(2)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
GAMMA-BHC (LINDANE)	ug/L	4	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
GAMMA-CHLORDANE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
HEPTACHLOR	ug/L	0.4	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
HEPTACHLOR EPOXIDE	ug/L	0.2	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
HEPTACHLOROBIPHENYL	ug/L	0.5	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
HEXACHLOROBENZENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
HEXACHLOROBIPHENYL	ug/L	0.5	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.5)	ND(0.5)	ND(0.5)
HEXACHLOROCYCLOPENTADIENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
HEXAZINONE	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
INDENO (1,2,3-CD) PYRENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
LACTOFEN	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
LINURON	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
MALATHION	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
MERPHOS	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
METHOXYCHLOR	ug/L	5	ND(2)	ND(2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
METHYL PARAOXON	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
METHYL PARATHION	ug/L	--	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
METOLACHLOR	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
METRIBUZIN	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
MEVINPHOS	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
MGK-264	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
MOLINATE	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
NAPROMAMIDE	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
NORFLURAZON	ug/L	--	ND(NE)	ND(2)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
OCTACHLOROBIPHENYL	ug/L	0.5	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
ORYZALIN	ug/L	--	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
OXADIAZON	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
PARATHION	ug/L	--	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
PEBULATE	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
PENDIMETHALIN	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
PENTACHLOROBIPHENYL	ug/L	0.5	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.5)	ND(0.5)	ND(0.5)
PERMETHRIN,CIS-	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)

Table 3B
Summary of Groundwater Analytical Data (Base Neutrals)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Date Printed: May 8, 1996
Time Printed: 1:40 pm

Location:			RW-12	RW-12	RW-12	RW-12	RW-12	RW-12	RW-13
Sample Date:			04/28/94	07/11/94	09/08/94	11/30/94	05/11/95	07/05/95	07/16/91
Parameters	Units	MCL/SMCL							
Base Neutrals/SVOC									
1-METHYL NAPTHALENE	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
2,3-DICHLOROBIPHENYL	ug/L	--	--	--	--	--	--	--	ND(0.2)
2-CHLOROBIPHENYL	ug/L	--	--	--	--	--	--	--	ND(0.2)
4,4-DDD	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
4,4-DDE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
4,4-DDT	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
ACENAPHTHYLENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
ALACHLOR	ug/L	2	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
ALDRIN	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
ALPHA-BHC	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
ALPHA-CHLORDANE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
AMETRYN	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
ANTHRACENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
AROCHLOR 1016	ug/L	--	--	--	--	--	--	--	ND(NE)
AROCHLOR 1060	ug/L	--	--	--	--	--	--	--	ND(NE)
ASPON	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
ATRATON	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
ATRAZINE	ug/L	3	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
AZINPHOS-METHYL	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
BENFLURALIN	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
BENZO (A) ANTHRACENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.5)
BENZO (A) PYRENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
BENZO (B) FLUORANTHENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
BENZO (GHI) PERYLENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(1)
BENZO (K) FLUORANTHENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.5)
BETA-BHC	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
BIS(2-ETHYLHEXYL) ADIPATE	ug/L	400	--	--	--	--	--	--	ND(2)
BIS(2-ETHYLHEXYL) PHTHALATE	ug/L	6	--	--	--	--	--	--	ND(2)
BOLSTAR	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--
BROMACIL	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
BUTACHLOR	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
BUTYL BENZYL PHTHALATE	ug/L	--	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)
BUTYLATE	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
CARBOXIN	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
CHLOMAZONE	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
CHLORDANE	ug/L	--	--	--	--	--	--	--	--
CHLORNEB	ug/L	--	ND(NE)	ND(NE)	ND(NE)	--	--	--	ND(NE)
CHLOROBENZILATE	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
CHLOROBIPHENYL	ug/L	0.5	ND(0.5)	ND(0.2)	ND(0.5)	ND(0.2)	ND(0.2)	ND(0.2)	--
CHLORONEB	ug/L	--	--	--	--	ND(NE)	ND(NE)	ND(NE)	--
CHLOROPROPHAM	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)

Table 3B
Summary of Groundwater Analytical Data (Base Neutrals)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Date Printed: May 8, 1996
Time Printed: 1:40 pm

Location:			RW-12	RW-12	RW-12	RW-12	RW-12	RW-12	RW-13
Sample Date:			04/28/94	07/11/94	09/08/94	11/30/94	05/11/95	07/05/95	07/16/91
Parameters	Units	MCL/SMCL							
Base Neutrals/SVOC (Cont'd)									
FAMPHUR	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--
FENAMIPHOS	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
FENARIMOL	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
FENTHION	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--
FLUAZIFOP-BUTYL	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
FLUCHLORALIN	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
FLUOMETURON	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
FLUORENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
FLURIDONE	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
GAMMA-BHC (LINDANE)	ug/L	4	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
GAMMA-CHLORDANE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
HEPTACHLOR	ug/L	0.4	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
HEPTACHLOR EPOXIDE	ug/L	0.2	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
HEPTACHLOROBIPHENYL	ug/L	0.5	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
HEXACHLOROBENZENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
HEXACHLOROBIPHENYL	ug/L	0.5	ND(0.5)	ND(0.2)	ND(0.5)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
HEXACHLOROCYCLOPENTADIENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
HEXAZINONE	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
INDENO (1,2,3-CD) PYRENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
LACTOFEN	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
LINURON	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
MALATHION	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
MERPHOS	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
METHOXYCHLOR	ug/L	5	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(2)
METHYL PARAOXON	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
METHYL PARATHION	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--
METOLACHLOR	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
METRIBUZIN	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
MEVINPHOS	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
MGK-264	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
MOLINATE	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
NAPROMAMIDE	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
NORFLURAZON	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
OCTACHLOROBIPHENYL	ug/L	0.5	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
ORYZALIN	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--
OXADIAZON	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
PARATHION	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--
PEBULATE	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
PENDIMETHALIN	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
PENTACHLOROBIPHENYL	ug/L	0.5	ND(0.5)	ND(0.2)	ND(0.5)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
PERMETHRIN,CIS-	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)

Table 3B
Summary of Groundwater Analytical Data (Base Neutrals)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-14	RW-18	RW-19	RW-20	RW-20	RW-20	RW-20
Sample Date:			07/16/91	07/16/91	07/16/91	09/25/89	05/01/90	03/28/91	07/16/91
Parameters	Units	MCL/SMCL							
Base Neutrals/SVOC									
1-METHYL NAPTHALENE	ug/L	--	ND(NE)	ND(NE)	ND(NE)	--	--	--	ND(NE)
2,3-DICHLOROBIPHENYL	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
2-CHLOROBIPHENYL	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
4,4-DDD	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	--	ND(0.2)	ND(0.2)	ND(0.2)
4,4-DDE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	--	ND(0.2)	ND(0.2)	ND(0.2)
4,4-DDT	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	--	--	ND(0.2)	ND(0.2)
ACENAPHTHYLENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
ALACHLOR	ug/L	2	ND(0.2)	ND(0.2)	ND(0.2)	--	ND(0.2)	ND(0.2)	ND(0.2)
ALDRIN	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
ALPHA-BHC	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	--	ND(0.2)	ND(0.2)	ND(0.2)
ALPHA-CHLORDANE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	--	ND(0.2)	ND(0.2)	ND(0.2)
AMETRYN	ug/L	--	ND(NE)	ND(NE)	ND(NE)	--	--	--	ND(NE)
ANTHRACENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
AROCHLOR 1016	ug/L	--	ND(NE)	ND(NE)	ND(NE)	--	--	--	ND(NE)
AROCHLOR 1060	ug/L	--	ND(NE)	ND(NE)	ND(NE)	--	--	--	ND(NE)
ASPON	ug/L	--	ND(NE)	ND(NE)	ND(NE)	--	--	--	ND(NE)
ATRATON	ug/L	--	ND(NE)	ND(NE)	ND(NE)	--	--	--	ND(NE)
ATRAZINE	ug/L	3	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
AZINPHOS-METHYL	ug/L	--	ND(NE)	ND(NE)	ND(NE)	--	--	--	ND(NE)
BENFLURALIN	ug/L	--	ND(NE)	ND(NE)	ND(NE)	--	--	--	ND(NE)
BENZO (A) ANTHRACENE	ug/L	--	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
BENZO (A) PYRENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.5)	ND(0.5)	ND(0.2)	ND(0.2)
BENZO (B) FLUORANTHENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
BENZO (GHI) PERYLENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(0.2)	ND(1)	ND(1)	ND(1)
BENZO (K) FLUORANTHENE	ug/L	--	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
BETA-BHC	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	--	ND(0.2)	ND(0.2)	ND(0.2)
BIS(2-ETHYLHEXYL) ADIPATE	ug/L	400	ND(2)	ND(2)	ND(2)	--	--	--	ND(2)
BIS(2-ETHYLHEXYL) PHTHALATE	ug/L	6	ND(2)	ND(2)	ND(2)	--	--	--	ND(2)
BOLSTAR	ug/L	--	--	--	--	--	--	--	--
BROMACIL	ug/L	--	ND(NE)	ND(NE)	ND(NE)	--	--	--	ND(NE)
BUTACHLOR	ug/L	--	ND(NE)	ND(NE)	ND(NE)	--	--	--	ND(NE)
BUTYL BENZYL PHTHALATE	ug/L	--	ND(2)	ND(2)	ND(2)	ND(5)	ND(5)	ND(2)	ND(2)
BUTYLATE	ug/L	--	ND(NE)	ND(NE)	ND(NE)	--	--	--	ND(NE)
CARBOXIN	ug/L	--	ND(NE)	ND(NE)	ND(NE)	--	--	--	ND(NE)
CHLOMAZONE	ug/L	--	ND(NE)	ND(NE)	ND(NE)	--	--	--	ND(NE)
CHLORDANE	ug/L	--	--	--	--	ND(0.2)	--	--	--
CHLORNEB	ug/L	--	ND(NE)	ND(NE)	ND(NE)	--	--	--	ND(NE)
CHLOROBENZILATE	ug/L	--	ND(NE)	ND(NE)	ND(NE)	--	--	--	ND(NE)
CHLOROBIPHENYL	ug/L	0.5	--	--	--	--	--	--	--
CHLORONEB	ug/L	--	--	--	--	--	--	--	--
CHLOROPROPHAM	ug/L	--	ND(NE)	ND(NE)	ND(NE)	--	--	--	ND(NE)

Table 3B
Summary of Groundwater Analytical Data (Base Neutrals)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-14	RW-18	RW-19	RW-20	RW-20	RW-20	RW-20
Sample Date:			07/16/91	07/16/91	07/16/91	09/25/89	05/01/90	03/28/91	07/16/91
Parameters	Units	MCL/SMCL							
Base Neutrals/SVOC (Cont'd)									
FAMPHUR	ug/L	--	--	--	--	--	--	--	--
FENAMIPHOS	ug/L	--	ND(NE)	ND(NE)	ND(NE)	--	--	--	ND(NE)
FENARIMOL	ug/L	--	ND(NE)	ND(NE)	ND(NE)	--	--	--	ND(NE)
FENTHION	ug/L	--	--	--	--	--	--	--	--
FLUAZIFOP-BUTYL	ug/L	--	ND(NE)	ND(NE)	ND(NE)	--	--	--	ND(NE)
FLUCHLORALIN	ug/L	--	ND(NE)	ND(NE)	ND(NE)	--	--	--	ND(NE)
FLUOMETURON	ug/L	--	ND(NE)	ND(NE)	ND(NE)	--	--	--	ND(NE)
FLUORENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
FLURIDONE	ug/L	--	ND(NE)	ND(NE)	ND(NE)	--	--	--	ND(NE)
GAMMA-BHC (LINDANE)	ug/L	4	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
GAMMA-CHLORDANE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	--	ND(0.2)	ND(0.2)	ND(0.2)
HEPTACHLOR	ug/L	0.4	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
HEPTACHLOR EPOXIDE	ug/L	0.2	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
HEPTACHLOROBIPHENYL	ug/L	0.5	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
HEXACHLOROBENZENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
HEXACHLOROBIPHENYL	ug/L	0.5	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
HEXACHLOROCYCLOPENTADIENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.8)	ND(0.2)	ND(0.2)
HEXAZINONE	ug/L	--	ND(NE)	ND(NE)	ND(NE)	--	--	--	ND(NE)
INDENO (1,2,3-CD) PYRENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.5)	ND(0.5)	ND(0.2)	ND(0.2)
LACTOFEN	ug/L	--	ND(NE)	ND(NE)	ND(NE)	--	--	--	ND(NE)
LINURON	ug/L	--	ND(NE)	ND(NE)	ND(NE)	--	--	--	ND(NE)
MALATHION	ug/L	--	ND(NE)	ND(NE)	ND(NE)	--	--	--	ND(NE)
MERPHOS	ug/L	--	ND(NE)	ND(NE)	ND(NE)	--	--	--	ND(NE)
METHOXYCHLOR	ug/L	5	ND(2)	ND(2)	ND(2)	ND(0.5)	ND(2)	ND(2)	ND(2)
METHYL PARAOXON	ug/L	--	ND(NE)	ND(NE)	ND(NE)	--	--	--	ND(NE)
METHYL PARATHION	ug/L	--	--	--	--	--	--	--	--
METOLACHLOR	ug/L	--	ND(NE)	ND(NE)	ND(NE)	--	--	--	ND(NE)
METRIBUZIN	ug/L	--	ND(NE)	ND(NE)	ND(NE)	--	--	--	ND(NE)
MEVINPHOS	ug/L	--	ND(NE)	ND(NE)	ND(NE)	--	--	--	ND(NE)
MGK-264	ug/L	--	ND(NE)	ND(NE)	ND(NE)	--	--	--	ND(NE)
MOLINATE	ug/L	--	ND(NE)	ND(NE)	ND(NE)	--	--	--	ND(NE)
NAPROMAMIDE	ug/L	--	ND(NE)	ND(NE)	ND(NE)	--	--	--	ND(NE)
NORFLURAZON	ug/L	--	ND(NE)	ND(NE)	ND(NE)	--	--	--	ND(NE)
OCTACHLOROBIPHENYL	ug/L	0.5	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
ORYZALIN	ug/L	--	--	--	--	--	--	--	--
OXADIAZON	ug/L	--	ND(NE)	ND(NE)	ND(NE)	--	--	--	ND(NE)
PARATHION	ug/L	--	--	--	--	--	--	--	--
PEBULATE	ug/L	--	ND(NE)	ND(NE)	ND(NE)	--	--	--	ND(NE)
PENDIMETHALIN	ug/L	--	ND(NE)	ND(NE)	ND(NE)	--	--	--	ND(NE)
PENTACHLOROBIPHENYL	ug/L	0.5	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
PERMETHRIN,CIS-	ug/L	--	ND(NE)	ND(NE)	ND(NE)	--	--	--	ND(NE)

Table 3B
Summary of Groundwater Analytical Data (Base Neutrals)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Date Printed: May 8, 1996
Time Printed: 1:41 pm

Location:			RW-20	RW-20	RW-20	RW-20	RW-20	RW-20	RW-20
Sample Date:			11/18/91	04/29/92	11/30/92	04/23/93	09/03/93	12/09/93	07/11/94
Parameters	Units	MCL/SMCL							
Base Neutrals/SVOC									
1-METHYL NAPTHALENE	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
2,3-DICHLOROBIPHENYL	ug/L	--	ND(0.2)	--	--	--	--	--	--
2-CHLOROBIPHENYL	ug/L	--	ND(0.2)	--	--	--	--	--	--
4,4-DDD	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
4,4-DDE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
4,4-DDT	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
ACENAPHTHYLENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
ALACHLOR	ug/L	2	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
ALDRIN	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
ALPHA-BHC	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
ALPHA-CHLORDANE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
AMETRYN	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
ANTHRACENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
AROCHLOR 1016	ug/L	--	ND(NE)	--	--	--	--	--	--
AROCHLOR 1060	ug/L	--	ND(NE)	--	--	--	--	--	--
ASPON	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
ATRATON	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
ATRAZINE	ug/L	3	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
AZINPHOS-METHYL	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
BENFLURALIN	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
BENZO (A) ANTHRACENE	ug/L	--	ND(0.5)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
BENZO (A) PYRENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
BENZO (B) FLUORANTHENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
BENZO (GHI) PERYLENE	ug/L	--	ND(1)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
BENZO (K) FLUORANTHENE	ug/L	--	ND(0.5)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
BETA-BHC	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
BIS(2-ETHYLHEXYL) ADIPATE	ug/L	400	ND(2)	--	--	--	--	--	--
BIS(2-ETHYLHEXYL) PHTHALATE	ug/L	6	ND(2)	--	--	--	--	--	--
BOLSTAR	ug/L	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
BROMACIL	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
BUTACHLOR	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
BUTYL BENZYL PHTHALATE	ug/L	--	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)
BUTYLATE	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
CARBOXIN	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
CHLOMAZONE	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
CHLORDANE	ug/L	--	--	--	--	--	--	--	--
CHLORNEB	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
CHLOROBENZILATE	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
CHLOROBIPHENYL	ug/L	0.5	--	ND(0.2)	ND(0.2)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.2)
CHLORONEB	ug/L	--	--	--	--	--	--	--	--
CHLOROPROPHAM	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)

Table 3B
Summary of Groundwater Analytical Data (Base Neutrals)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-20	RW-20	RW-20	RW-20	RW-20	RW-20	RW-20
Sample Date:			11/18/91	04/29/92	11/30/92	04/23/93	09/03/93	12/09/93	07/11/94
Parameters	Units	MCL/SMCL							
Base Neutrals/SVOC (Cont'd)									
FAMPHUR	ug/L	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
FENAMIPHOS	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
FENARIMOL	ug/L	--	ND(2)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
FENTHION	ug/L	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
FLUAZIFOP-BUTYL	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
FLUCHLORALIN	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
FLUOMETURON	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
FLUORENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
FLURIDONE	ug/L	--	ND(2)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
GAMMA-BHC (LINDANE)	ug/L	4	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
GAMMA-CHLORDANE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
HEPTACHLOR	ug/L	0.4	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
HEPTACHLOR EPOXIDE	ug/L	0.2	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
HEPTACHLOROBIPHENYL	ug/L	0.5	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
HEXACHLOROBENZENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
HEXACHLOROBIPHENYL	ug/L	0.5	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.2)
HEXACHLOROCYCLOPENTADIENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
HEXAZINONE	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
INDENO (1,2,3-CD) PYRENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
LACTOFEN	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
LINURON	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
MALATHION	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
MERPHOS	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
METHOXYCHLOR	ug/L	5	ND(2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
METHYL PARAOXON	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
METHYL PARATHION	ug/L	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
METOLACHLOR	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
METRIBUZIN	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
MEVINPHOS	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
MGK-264	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
MOLINATE	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
NAPROMAMIDE	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
NORFLURAZON	ug/L	--	ND(2)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
OCTACHLOROBIPHENYL	ug/L	0.5	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
ORYZALIN	ug/L	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
OXADIAZON	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
PARATHION	ug/L	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
PEBULATE	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
PENDIMETHALIN	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
PENTACHLOROBIPHENYL	ug/L	0.5	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.2)
PERMETHRIN,CIS-	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)

Table 3B
Summary of Groundwater Analytical Data (Base Neutrals)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Date Printed: May 8, 1996
Time Printed: 1:41 pm

Location:			RW-20	RW-20	RW-20	RW-20	RW-23	RW-25	RW-25
Sample Date:			09/08/94	11/30/94	05/11/95	07/05/95	07/16/91	09/25/89	05/01/90
Parameters	Units	MCL/SMCL							
Base Neutrals/SVOC									
1-METHYL NAPTHALENE	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--
2,3-DICHLOROBIPHENYL	ug/L	--	--	--	--	--	ND(0.2)	ND(0.2)	ND(0.2)
2-CHLOROBIPHENYL	ug/L	--	--	--	--	--	ND(0.2)	ND(0.2)	ND(0.2)
4,4-DDD	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	--	ND(0.2)
4,4-DDE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	--	ND(0.2)
4,4-DDT	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	--	--
ACENAPHTHYLENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
ALACHLOR	ug/L	2	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	--	ND(0.2)
ALDRIN	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
ALPHA-BHC	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	--	ND(0.2)
ALPHA-CHLORDANE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	--	ND(0.2)
AMETRYN	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--
ANTHRACENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
AROCHLOR 1016	ug/L	--	--	--	--	--	ND(NE)	--	--
AROCHLOR 1060	ug/L	--	--	--	--	--	ND(NE)	--	--
ASPON	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--
ATRATON	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--
ATRAZINE	ug/L	3	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
AZINPHOS-METHYL	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--
BENFLURALIN	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--
BENZO (A) ANTHRACENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.5)	ND(0.5)	ND(0.5)
BENZO (A) PYRENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.5)	ND(0.5)
BENZO (B) FLUORANTHENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
BENZO (GHI) PERYLENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(1)	ND(0.2)	ND(1)
BENZO (K) FLUORANTHENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.5)	ND(0.5)	ND(0.5)
BETA-BHC	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	--	ND(0.2)
BIS(2-ETHYLHEXYL) ADIPATE	ug/L	400	--	--	--	--	ND(2)	--	--
BIS(2-ETHYLHEXYL) PHTHALATE	ug/L	6	--	--	--	--	ND(2)	--	--
BOLSTAR	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--	--
BROMACIL	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--
BUTACHLOR	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--
BUTYL BENZYL PHTHALATE	ug/L	--	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(5)
BUTYLATE	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--
CARBOXIN	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--
CHLOMAZONE	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--
CHLORDANE	ug/L	--	--	--	--	--	--	ND(0.2)	--
CHLORNEB	ug/L	--	ND(NE)	--	--	--	ND(NE)	--	--
CHLOROBENZILATE	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--
CHLOROBIPHENYL	ug/L	0.5	ND(0.5)	ND(0.2)	ND(0.2)	ND(0.2)	--	--	--
CHLORONEB	ug/L	--	--	ND(NE)	ND(NE)	ND(NE)	--	--	--
CHLOROPROPHAM	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--

Table 3B
Summary of Groundwater Analytical Data (Base Neutrals)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-20	RW-20	RW-20	RW-20	RW-23	RW-25	RW-25
Sample Date:			09/08/94	11/30/94	05/11/95	07/05/95	07/16/91	09/25/89	05/01/90
Parameters	Units	MCL/SMCL							
Base Neutrals/SVOC (Cont'd)									
FAMPHUR	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--	--
FENAMIPHOS	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--
FENARIMOL	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--
FENTHION	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--	--
FLUAZIFOP-BUTYL	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--
FLUCHLORALIN	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--
FLUOMETURON	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--
FLUORENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
FLURIDONE	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--
GAMMA-BHC (LINDANE)	ug/L	4	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
GAMMA-CHLORDANE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	--	ND(0.2)
HEPTACHLOR	ug/L	0.4	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
HEPTACHLOR EPOXIDE	ug/L	0.2	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
HEPTACHLOROBIPHENYL	ug/L	0.5	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
HEXACHLOROBENZENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
HEXACHLOROBIPHENYL	ug/L	0.5	ND(0.5)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
HEXACHLOROCYCLOPENTADIENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.8)
HEXAZINONE	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--
INDENO (1,2,3-CD) PYRENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.5)	ND(0.5)
LACTOFEN	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--
LINURON	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--
MALATHION	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--
MERPHOS	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--
METHOXYCHLOR	ug/L	5	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(2)	ND(0.5)	ND(2)
METHYL PARAOXON	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--
METHYL PARATHION	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--	--
METOLACHLOR	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--
METRIBUZIN	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--
MEVINPHOS	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--
MGK-264	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--
MOLINATE	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--
NAPROMAMIDE	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--
NORFLURAZON	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--
OCTACHLOROBIPHENYL	ug/L	0.5	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
ORYZALIN	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--	--
OXADIAZON	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--
PARATHION	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--	--
PEBULATE	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--
PENDIMETHALIN	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--
PENTACHLOROBIPHENYL	ug/L	0.5	ND(0.5)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
PERMETHRIN,CIS-	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--

Table 3B
Summary of Groundwater Analytical Data (Base Neutrals)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Date Printed: May 8, 1996
Time Printed: 1:41 pm

Location:			RW-25	RW-25	RW-25	RW-25	RW-25	RW-25	RW-25
Sample Date:			03/28/91	07/16/91	11/18/91	04/29/92	11/30/92	04/23/93	09/03/93
Parameters	Units	MCL/SMCL							
Base Neutrals/SVOC									
1-METHYL NAPTHALENE	ug/L	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
2,3-DICHLOROBIPHENYL	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	--	--	--	--
2-CHLOROBIPHENYL	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	--	--	--	--
4,4-DDD	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
4,4-DDE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
4,4-DDT	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
ACENAPHTHYLENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
ALACHLOR	ug/L	2	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
ALDRIN	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
ALPHA-BHC	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
ALPHA-CHLORDANE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
AMETRYN	ug/L	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
ANTHRACENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
AROCHLOR 1016	ug/L	--	--	ND(NE)	ND(NE)	--	--	--	--
AROCHLOR 1060	ug/L	--	--	ND(NE)	ND(NE)	--	--	--	--
ASPON	ug/L	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
ATRATON	ug/L	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
ATRAZINE	ug/L	3	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
AZINPHOS-METHYL	ug/L	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
BENFLURALIN	ug/L	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
BENZO (A) ANTHRACENE	ug/L	--	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
BENZO (A) PYRENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
BENZO (B) FLUORANTHENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
BENZO (GHI) PERYLENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
BENZO (K) FLUORANTHENE	ug/L	--	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
BETA-BHC	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
BIS(2-ETHYLHEXYL) ADIPATE	ug/L	400	--	ND(2)	ND(2)	--	--	--	--
BIS(2-ETHYLHEXYL) PHTHALATE	ug/L	6	--	ND(2)	ND(2)	--	--	--	--
BOLSTAR	ug/L	--	--	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)
BROMACIL	ug/L	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
BUTACHLOR	ug/L	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
BUTYL BENZYL PHTHALATE	ug/L	--	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)
BUTYLATE	ug/L	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
CARBOXIN	ug/L	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
CHLOMAZONE	ug/L	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
CHLORDANE	ug/L	--	--	--	--	--	--	--	--
CHLORNEB	ug/L	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
CHLOROBENZILATE	ug/L	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
CHLOROBIPHENYL	ug/L	0.5	--	--	--	ND(0.2)	ND(0.2)	ND(0.5)	ND(0.5)
CHLORONEB	ug/L	--	--	--	--	--	--	--	--
CHLOROPROPHAM	ug/L	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)

Table 3B
Summary of Groundwater Analytical Data (Base Neutrals)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-25	RW-25	RW-25	RW-25	RW-25	RW-25	RW-25
Sample Date:			03/28/91	07/16/91	11/18/91	04/29/92	11/30/92	04/23/93	09/03/93
Parameters	Units	MCL/SMCL							
Base Neutrals/SVOC (Cont'd)									
FAMPHUR	ug/L	--	--	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)
FENAMIPHOS	ug/L	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
FENARIMOL	ug/L	--	--	ND(NE)	ND(2)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
FENTHION	ug/L	--	--	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)
FLUAZIFOP-BUTYL	ug/L	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
FLUCHLORALIN	ug/L	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
FLUOMETURON	ug/L	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
FLUORENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
FLURIDONE	ug/L	--	--	ND(NE)	ND(2)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
GAMMA-BHC (LINDANE)	ug/L	4	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
GAMMA-CHLORDANE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
HEPTACHLOR	ug/L	0.4	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
HEPTACHLOR EPOXIDE	ug/L	0.2	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
HEPTACHLOROBIPHENYL	ug/L	0.5	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
HEXACHLOROBENZENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
HEXACHLOROBIPHENYL	ug/L	0.5	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.5)	ND(0.5)
HEXACHLOROCYCLOPENTADIENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
HEXAZINONE	ug/L	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
INDENO (1,2,3-CD) PYRENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
LACTOFEN	ug/L	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
LINURON	ug/L	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
MALATHION	ug/L	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
MERPHOS	ug/L	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
METHOXYCHLOR	ug/L	5	ND(2)	ND(2)	ND(2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
METHYL PARAOXON	ug/L	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
METHYL PARATHION	ug/L	--	--	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)
METOLACHLOR	ug/L	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
METRIBUZIN	ug/L	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
MEVINPHOS	ug/L	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
MGK-264	ug/L	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
MOLINATE	ug/L	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
NAPROMAMIDE	ug/L	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
NORFLURAZON	ug/L	--	--	ND(NE)	ND(2)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
OCTACHLOROBIPHENYL	ug/L	0.5	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
ORYZALIN	ug/L	--	--	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)
OXADIAZON	ug/L	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
PARATHION	ug/L	--	--	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)
PEBULATE	ug/L	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
PENDIMETHALIN	ug/L	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
PENTACHLOROBIPHENYL	ug/L	0.5	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.5)	ND(0.5)
PERMETHRIN,CIS-	ug/L	--	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)

Table 3B
Summary of Groundwater Analytical Data (Base Neutrals)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-25	RW-25	RW-25	RW-25	RW-25	RW-25	RW-25
Sample Date:			12/09/93	04/28/94	07/11/94	09/08/94	11/30/94	05/11/95	07/05/95
Parameters	Units	MCL/SMCL							
Base Neutrals/SVOC									
1-METHYL NAPTHALENE	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
2,3-DICHLOROBIPHENYL	ug/L	--	--	--	--	--	--	--	--
2-CHLOROBIPHENYL	ug/L	--	--	--	--	--	--	--	--
4,4-DDD	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
4,4-DDE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
4,4-DDT	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
ACENAPHTHYLENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
ALACHLOR	ug/L	2	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
ALDRIN	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
ALPHA-BHC	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
ALPHA-CHLORDANE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
AMETRYN	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
ANTHRACENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
AROCHLOR 1016	ug/L	--	--	--	--	--	--	--	--
AROCHLOR 1060	ug/L	--	--	--	--	--	--	--	--
ASPON	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
ATRATON	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
ATRAZINE	ug/L	3	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
AZINPHOS-METHYL	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
BENFLURALIN	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
BENZO (A) ANTHRACENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
BENZO (A) PYRENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
BENZO (B) FLUORANTHENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
BENZO (GHI) PERYLENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
BENZO (K) FLUORANTHENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
BETA-BHC	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
BIS(2-ETHYLHEXYL) ADIPATE	ug/L	400	--	--	--	--	--	--	--
BIS(2-ETHYLHEXYL) PHTHALATE	ug/L	6	--	--	--	--	--	--	--
BOLSTAR	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
BROMACIL	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
BUTACHLOR	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
BUTYL BENZYL PHTHALATE	ug/L	--	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)
BUTYLATE	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
CARBOXIN	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
CHLOMAZONE	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
CHLORDANE	ug/L	--	--	--	--	--	--	--	--
CHLORNEB	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--	--
CHLOROBENZILATE	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
CHLOROBIPHENYL	ug/L	0.5	ND(0.5)	ND(0.5)	ND(0.2)	ND(0.5)	ND(0.2)	ND(0.2)	ND(0.2)
CHLORONEB	ug/L	--	--	--	--	--	ND(NE)	ND(NE)	ND(NE)
CHLOROPROPHAM	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)

Table 3B
Summary of Groundwater Analytical Data (Base Neutrals)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-25	RW-25	RW-25	RW-25	RW-25	RW-25	RW-25
Sample Date:			12/09/93	04/28/94	07/11/94	09/08/94	11/30/94	05/11/95	07/05/95
Parameters	Units	MCL/SMCL							
Base Neutrals/SVOC (Cont'd)									
FAMPHUR	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
FENAMIPHOS	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
FENARIMOL	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
FENTHION	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
FLUAZIFOP-BUTYL	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
FLUCHLORALIN	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
FLUOMETURON	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
FLUORENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
FLURIDONE	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
GAMMA-BHC (LINDANE)	ug/L	4	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
GAMMA-CHLORDANE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
HEPTACHLOR	ug/L	0.4	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
HEPTACHLOR EPOXIDE	ug/L	0.2	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
HEPTACHLOROBIPHENYL	ug/L	0.5	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
HEXACHLOROBENZENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
HEXACHLOROBIPHENYL	ug/L	0.5	ND(0.5)	ND(0.5)	ND(0.2)	ND(0.5)	ND(0.2)	ND(0.2)	ND(0.2)
HEXACHLOROCYCLOPENTADIENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
HEXAZINONE	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
INDENO (1,2,3-CD) PYRENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
LACTOFEN	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
LINURON	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
MALATHION	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
MERPHOS	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
METHOXYCHLOR	ug/L	5	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
METHYL PARAOXON	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
METHYL PARATHION	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
METOLACHLOR	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
METRIBUZIN	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
MEVINPHOS	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
MGK-264	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
MOLINATE	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
NAPROMAMIDE	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
NORFLURAZON	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
OCTACHLOROBIPHENYL	ug/L	0.5	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
ORYZALIN	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
OXADIAZON	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
PARATHION	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
PEBULATE	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
PENDIMETHALIN	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)
PENTACHLOROBIPHENYL	ug/L	0.5	ND(0.5)	ND(0.5)	ND(0.2)	ND(0.5)	ND(0.2)	ND(0.2)	ND(0.2)
PERMETHRIN,CIS-	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)

Table 3B
Summary of Groundwater Analytical Data (Base Neutrals)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-26	RW-28	RW-29	RW-31	RW-32	RW-33	RW-33
Sample Date:			07/16/91	07/16/91	07/16/91	07/16/91	07/16/91	09/25/89	05/01/90
Parameters	Units	MCL/SMCL							
Base Neutrals/SVOC									
1-METHYL NAPTHALENE	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--
2,3-DICHLOROBIPHENYL	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
2-CHLOROBIPHENYL	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
4,4-DDD	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	--	ND(0.2)
4,4-DDE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	--	ND(0.2)
4,4-DDT	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	--	--
ACENAPHTHYLENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
ALACHLOR	ug/L	2	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	--	ND(0.2)
ALDRIN	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
ALPHA-BHC	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	--	ND(0.2)
ALPHA-CHLORDANE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	--	ND(0.2)
AMETRYN	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--
ANTHRACENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
AROCHLOR 1016	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--
AROCHLOR 1060	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--
ASPON	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--
ATRATON	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--
ATRAZINE	ug/L	3	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
AZINPHOS-METHYL	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--
BENFLURALIN	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--
BENZO (A) ANTHRACENE	ug/L	--	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
BENZO (A) PYRENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.5)	ND(0.5)
BENZO (B) FLUORANTHENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
BENZO (GHI) PERYLENE	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(0.2)	ND(1)
BENZO (K) FLUORANTHENE	ug/L	--	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
BETA-BHC	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	--	ND(0.2)
BIS(2-ETHYLHEXYL) ADIPATE	ug/L	400	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	--	--
BIS(2-ETHYLHEXYL) PHTHALATE	ug/L	6	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	--	--
BOLSTAR	ug/L	--	--	--	--	--	--	--	--
BROMACIL	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--
BUTACHLOR	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--
BUTYL BENZYL PHTHALATE	ug/L	--	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(5)
BUTYLATE	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--
CARBOXIN	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--
CHLOMAZONE	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--
CHLORDANE	ug/L	--	--	--	--	--	--	ND(0.2)	--
CHLORNEB	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--
CHLOROBENZILATE	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--
CHLOROBIPHENYL	ug/L	0.5	--	--	--	--	--	--	--
CHLORONEB	ug/L	--	--	--	--	--	--	--	--
CHLOROPROPHAM	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--

Table 3B
Summary of Groundwater Analytical Data (Base Neutrals)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-26	RW-28	RW-29	RW-31	RW-32	RW-33	RW-33
Sample Date:			07/16/91	07/16/91	07/16/91	07/16/91	07/16/91	09/25/89	05/01/90
Parameters	Units	MCL/SMCL							
Base Neutrals/SVOC (Cont'd)									
FAMPHUR	ug/L	--	--	--	--	--	--	--	--
FENAMIPHOS	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--
FENARIMOL	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--
FENTHION	ug/L	--	--	--	--	--	--	--	--
FLUAZIFOP-BUTYL	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--
FLUCHLORALIN	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--
FLUOMETURON	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--
FLUORENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
FLURIDONE	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--
GAMMA-BHC (LINDANE)	ug/L	4	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
GAMMA-CHLORDANE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	--	ND(0.2)
HEPTACHLOR	ug/L	0.4	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
HEPTACHLOR EPOXIDE	ug/L	0.2	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
HEPTACHLOROBIPHENYL	ug/L	0.5	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
HEXACHLOROBENZENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
HEXACHLOROBIPHENYL	ug/L	0.5	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
HEXACHLOROCYCLOPENTADIENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.8)
HEXAZINONE	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--
INDENO (1,2,3-CD) PYRENE	ug/L	--	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.5)	ND(0.5)
LACTOFEN	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--
LINURON	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--
MALATHION	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--
MERPHOS	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--
METHOXYCHLOR	ug/L	5	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(0.5)	ND(2)
METHYL PARAOXON	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--
METHYL PARATHION	ug/L	--	--	--	--	--	--	--	--
METOLACHLOR	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--
METRIBUZIN	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--
MEVINPHOS	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--
MGK-264	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--
MOLINATE	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--
NAPROMAMIDE	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--
NORFLURAZON	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--	--
OCTACHLOROBIPHENYL	ug/L	0.5	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
ORYZALIN	ug/L	--	--	--	--	--	--	--	--
OXADIAZON	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--	--
PARATHION	ug/L	--	--	--	--	--	--	--	--
PEBULATE	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--	--
PENDIMETHALIN	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--	--
PENTACHLOROBIPHENYL	ug/L	0.5	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
PERMETHRIN,CIS-	ug/L	--	ND(NE)	ND(NE)	ND(NE)	ND(NE)	ND(NE)	--	--

Notes

(NE) - -Qualitative analysis only. If this parameter is present in the sample, the concentration is estimated by the ratio of the peak area to that of the internal standard. Based upon prior experience with these analytes, these compounds can be routinely detected down to levels between 0.1-1.0 ug/L.

ND - -Not detected.

Table 4
Summary of Groundwater Analytical Data (Metals)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Date Printed: May 8, 1996
Time Printed: 1:46 pm

Location:			RW-1	RW-1	RW-1	RW-2	RW-2	RW-2	RW-2
Sample Date:			11/18/91	04/17/92	11/30/92	03/28/91	07/16/91	11/18/91	04/17/92
Parameters	Units	MCL/SMCL							
Metals									
ARSENIC	ug/L	50	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
BARIUM	ug/L	1000	ND(300)	ND(300)	ND(300)	ND(300)	ND(300)	ND(300)	ND(300)
CADMIUM	ug/L	10	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.2)	1.2	ND(0.5)	ND(0.5)
CHROMIUM	ug/L	50	ND(3)	ND(3)	ND(3)	ND(3)	ND(3)	ND(3)	ND(3)
COPPER	ug/L	1000	--	--	--	ND(100)	ND(100)	ND(500)	ND(100)
IRON	mg/L	0.3	--	--	--	1.5	1.6	1.1	1.5
LEAD	ug/L	15	ND(1)	ND(1)	ND(1)	ND(1)	7.5	1.1	ND(1)
MANGANESE	ug/L	50	--	--	--	40	30	30	40
MERCURY	ug/L	2	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
NICKEL	ug/L	100	--	--	--	ND(10)	ND(10)	ND(1.1)	ND(10)
SELENIUM	ug/L	10	ND(3)	ND(3)	ND(3)	ND(3)	ND(3)	ND(3)	ND(3)
SILVER	ug/L	50	0.9	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	0.7	ND(0.5)
SODIUM	mg/L	--	--	--	--	2.1	2	2.1	2.3

Table 4
Summary of Groundwater Analytical Data (Metals)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-2	RW-2	RW-2	RW-3	RW-3	RW-4	RW-5
Sample Date:			11/30/94	05/11/95	07/05/95	09/08/94	05/11/95	04/23/93	11/18/91
Parameters	Units	MCL/SMCL							
Metals									
ARSENIC	ug/L	50	2.2	2.8	2	3.1	4.1	ND(1)	ND(5)
BARIUM	ug/L	1000	22	24	2.4	270	250	ND(300)	ND(300)
CADMIUM	ug/L	10	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.5)
CHROMIUM	ug/L	50	2.2	3.5	2.2	20	5.3	ND(0.5)	ND(3)
COPPER	ug/L	1000	0.9	--	1.7	--	2.3	--	--
IRON	mg/L	0.3	1	--	1	--	1	--	--
LEAD	ug/L	15	0.3	0.2	0.4	0.4	0.2	ND(1)	1.1
MANGANESE	ug/L	50	32	--	36	--	350	--	--
MERCURY	ug/L	2	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.5)	ND(0.5)
NICKEL	ug/L	100	ND(0.5)	--	ND(0.5)	--	ND(0.5)	--	--
SELENIUM	ug/L	10	ND(0.5)	ND(1)	ND(0.5)	ND(0.5)	ND(1)	ND(5)	ND(3)
SILVER	ug/L	50	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.5)	0.8
SODIUM	mg/L	--	3.4	--	4.5	--	8.5	--	--

Table 4
Summary of Groundwater Analytical Data (Metals)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-6	RW-6	RW-6	RW-6	RW-6	RW-6	RW-6
Sample Date:			09/30/88	05/18/89	09/25/89	05/01/90	07/16/91	11/18/91	04/17/92
Parameters	Units	MCL/SMCL							
Metals									
ARSENIC	ug/L	50	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
BARIUM	ug/L	1000	ND(100)	120	150	ND(100)	ND(300)	ND(300)	ND(300)
CADMIUM	ug/L	10	ND(1)	ND(0.2)	2.1	ND(0.2)	0.5	ND(0.5)	ND(0.5)
CHROMIUM	ug/L	50	ND(1)	ND(3)	ND(3)	ND(3)	ND(3)	ND(3)	ND(3)
COPPER	ug/L	1000	--	--	--	--	ND(100)	--	--
IRON	mg/L	0.3	--	--	--	--	0.8	--	--
LEAD	ug/L	15	ND(1)	ND(1)	ND(1)	ND(1)	3.2	ND(1)	ND(1)
MANGANESE	ug/L	50	--	--	--	--	40	--	--
MERCURY	ug/L	2	ND(0.3)	--	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
NICKEL	ug/L	100	--	--	--	--	ND(10)	--	--
SELENIUM	ug/L	10	ND(2)	ND(3)	5	4	ND(3)	ND(3)	ND(3)
SILVER	ug/L	50	ND(1)	ND(0.5)	0.9	2.5	ND(0.5)	3.8	ND(0.5)
SODIUM	mg/L	--	--	--	--	--	4.2	--	--

Table 4
Summary of Groundwater Analytical Data (Metals)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-7	RW-7	RW-7	RW-7	RW-7	RW-8	RW-8
Sample Date:			05/18/89	09/25/89	05/01/90	07/16/91	11/18/91	03/03/88	09/30/88
Parameters	Units	MCL/SMCL							
Metals									
ARSENIC	ug/L	50	ND(3)	ND(5)	ND(5)	ND(5)	6.1	1.6	ND(5)
BARIUM	ug/L	1000	ND(100)	490	ND(100)	ND(300)	ND(300)	86	280
CADMIUM	ug/L	10	ND(0.2)	ND(0.2)	ND(0.2)	0.5	ND(0.5)	ND(1)	ND(1)
CHROMIUM	ug/L	50	ND(3)	ND(3)	ND(3)	ND(3)	ND(3)	ND(1)	ND(1)
COPPER	ug/L	1000	--	--	--	ND(100)	--	--	--
IRON	mg/L	0.3	--	--	--	3.5	--	--	--
LEAD	ug/L	15	ND(1)	ND(1)	ND(1)	ND(1)	1.5	3.6	ND(1)
MANGANESE	ug/L	50	--	--	--	260	--	--	--
MERCURY	ug/L	2	--	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.1)	ND(0.3)
NICKEL	ug/L	100	--	--	--	ND(10)	--	--	--
SELENIUM	ug/L	10	ND(3)	5	5	ND(3)	ND(3)	1.5	ND(2)
SILVER	ug/L	50	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	1.1	1	ND(1)
SODIUM	mg/L	--	--	--	--	4.3	--	--	--

Table 4
Summary of Groundwater Analytical Data (Metals)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-10	RW-11	RW-11	RW-11	RW-11	RW-11	RW-11
Sample Date:			11/18/91	03/03/88	09/30/88	05/18/89	09/25/89	05/01/90	07/16/91
Parameters	Units	MCL/SMCL							
Metals									
ARSENIC	ug/L	50	ND(5)	3.5	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
BARIUM	ug/L	1000	ND(300)	62	220	220	390	110	ND(300)
CADMIUM	ug/L	10	ND(0.5)	ND(1)	ND(1)	ND(0.2)	ND(0.2)	ND(0.2)	0.5
CHROMIUM	ug/L	50	ND(3)	ND(1)	ND(1)	ND(3)	ND(3)	ND(3)	ND(3)
COPPER	ug/L	1000	--	--	--	--	--	--	ND(100)
IRON	mg/L	0.3	--	--	--	--	--	--	5.6
LEAD	ug/L	15	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
MANGANESE	ug/L	50	--	--	--	--	--	--	100
MERCURY	ug/L	2	ND(0.5)	0.5	ND(0.3)	--	ND(0.5)	ND(0.5)	ND(0.5)
NICKEL	ug/L	100	--	--	--	--	--	--	ND(10)
SELENIUM	ug/L	10	ND(3)	1.5	ND(2)	ND(3)	3	3.2	ND(3)
SILVER	ug/L	50	0.9	0.6	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
SODIUM	mg/L	--	--	--	--	--	--	--	7.8

Table 4
Summary of Groundwater Analytical Data (Metals)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-12	RW-12	RW-12	RW-12	RW-12	RW-12	RW-12
Sample Date:			11/30/92	04/23/93	09/03/93	12/09/93	04/28/94	07/11/94	09/08/94
Parameters	Units	MCL/SMCL							
Metals									
ARSENIC	ug/L	50	ND(10)	ND(1)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	0.8
BARIUM	ug/L	1000	ND(300)	ND(300)	ND(300)	ND(300)	38	33	42
CADMIUM	ug/L	10	ND(0.5)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.5)	ND(0.5)	ND(0.2)
CHROMIUM	ug/L	50	ND(3)	ND(0.5)	ND(0.5)	ND(0.5)	13	14	20
COPPER	ug/L	1000	ND(50)	ND(50)	ND(50)	ND(50)	2.6	3.1	1.5
IRON	mg/L	0.3	3.3	3.9	3.8	3.9	6	4.3	4.5
LEAD	ug/L	15	4.8	ND(1)	ND(1)	ND(1)	2	5.4	0.8
MANGANESE	ug/L	50	82	100	100	110	98	74	100
MERCURY	ug/L	2	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.1)
NICKEL	ug/L	100	ND(5)	ND(5)	ND(5)	ND(5)	--	13	11
SELENIUM	ug/L	10	ND(3)	ND(5)	ND(5)	ND(5)	0.9	ND(0.5)	ND(0.5)
SILVER	ug/L	50	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	0.2
SODIUM	mg/L	--	7.1	8.2	14	13	12	13	9.6

Table 4
Summary of Groundwater Analytical Data (Metals)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-13	RW-13	RW-13	RW-13	RW-13	RW-14	RW-14
Sample Date:			04/23/93	09/03/93	04/28/94	09/08/94	05/11/95	03/03/88	09/30/88
Parameters	Units	MCL/SMCL							
Metals									
ARSENIC	ug/L	50	2	1.2	0.9	1.8	2.2	1.3	ND(5)
BARIUM	ug/L	1000	ND(300)	ND(300)	110	120	100	44	130
CADMIUM	ug/L	10	ND(0.2)	ND(0.2)	ND(0.5)	ND(0.2)	ND(0.2)	ND(1)	ND(1)
CHROMIUM	ug/L	50	ND(0.5)	0.6	14	14	4.3	ND(1)	ND(1)
COPPER	ug/L	1000	--	--	--	--	--	--	--
IRON	mg/L	0.3	--	--	--	--	--	--	--
LEAD	ug/L	15	ND(1)	ND(1)	ND(0.5)	ND(0.1)	ND(0.1)	ND(1)	ND(1)
MANGANESE	ug/L	50	--	--	--	--	--	--	--
MERCURY	ug/L	2	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.1)	ND(0.1)	0.5	ND(0.3)
NICKEL	ug/L	100	--	--	--	--	--	--	--
SELENIUM	ug/L	10	ND(5)	ND(5)	ND(0.5)	ND(0.5)	ND(1)	1.4	ND(2)
SILVER	ug/L	50	ND(0.5)	ND(0.5)	0.5	ND(0.2)	ND(0.2)	3.4	ND(1)
SODIUM	mg/L	--	--	--	--	--	--	--	--

Table 4
Summary of Groundwater Analytical Data (Metals)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-15	RW-15	RW-15	RW-15	RW-16	RW-16	RW-16
Sample Date:			09/30/88	05/18/89	04/28/94	04/28/94	03/03/88	09/30/88	05/18/89
Parameters	Units	MCL/SMCL							
Metals									
ARSENIC	ug/L	50	14	9	10	10	6.5	8	6
BARIUM	ug/L	1000	190	260	100	100	46	150	120
CADMIUM	ug/L	10	ND(1)	ND(0.2)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(0.2)
CHROMIUM	ug/L	50	ND(1)	ND(3)	16	16	ND(1)	ND(1)	ND(3)
COPPER	ug/L	1000	--	--	--	--	--	--	--
IRON	mg/L	0.3	--	--	--	--	--	--	--
LEAD	ug/L	15	2	ND(1)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)
MANGANESE	ug/L	50	--	--	--	--	--	--	--
MERCURY	ug/L	2	ND(0.3)	--	ND(0.5)	ND(0.5)	0.9	ND(0.3)	--
NICKEL	ug/L	100	--	--	--	--	--	--	--
SELENIUM	ug/L	10	ND(2)	ND(3)	ND(0.5)	ND(0.5)	1.2	ND(2)	ND(3)
SILVER	ug/L	50	ND(1)	ND(0.5)	6	0.6	2.7	ND(1)	ND(0.5)
SODIUM	mg/L	--	--	--	--	--	--	--	--

Table 4
Summary of Groundwater Analytical Data (Metals)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-18	RW-18	RW-18	RW-18	RW-18	RW-18	RW-19
Sample Date:			05/01/90	07/16/91	11/18/91	04/28/94	09/08/94	05/11/95	09/30/88
Parameters	Units	MCL/SMCL							
Metals									
ARSENIC	ug/L	50	5	12	12	14	19	24	ND(5)
BARIUM	ug/L	1000	160	ND(300)	ND(300)	150	170	140	190
CADMIUM	ug/L	10	ND(0.2)	0.5	ND(0.5)	ND(0.5)	ND(0.2)	ND(0.2)	ND(1)
CHROMIUM	ug/L	50	ND(3)	ND(3)	ND(3)	14	28	5.2	ND(1)
COPPER	ug/L	1000	--	ND(100)	--	--	--	--	--
IRON	mg/L	0.3	--	2.5	--	--	--	--	--
LEAD	ug/L	15	ND(1)	ND(1)	ND(1)	ND(0.5)	1.7	0.2	ND(1)
MANGANESE	ug/L	50	--	40	--	--	--	--	--
MERCURY	ug/L	2	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.1)	ND(0.1)	ND(0.3)
NICKEL	ug/L	100	--	ND(10)	--	--	--	--	--
SELENIUM	ug/L	10	3.4	ND(3)	ND(3)	0.6	ND(0.5)	ND(1)	ND(2)
SILVER	ug/L	50	ND(0.5)	ND(0.5)	0.9	0.7	ND(0.2)	ND(0.2)	ND(1)
SODIUM	mg/L	--	--	5.2	--	--	--	--	--

Table 4
Summary of Groundwater Analytical Data (Metals)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-20	RW-20	RW-20	RW-20	RW-20	RW-20	RW-20
Sample Date:			09/25/89	05/01/90	03/28/91	07/16/91	11/18/91	04/17/92	11/30/92
Parameters	Units	MCL/SMCL							
Metals									
ARSENIC	ug/L	50	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
BARIUM	ug/L	1000	450	ND(100)	ND(300)	ND(300)	ND(300)	ND(300)	ND(300)
CADMIUM	ug/L	10	ND(0.2)	ND(0.2)	ND(0.2)	0.5	ND(0.5)	ND(0.5)	ND(0.5)
CHROMIUM	ug/L	50	ND(3)	ND(3)	ND(3)	ND(3)	ND(3)	ND(3)	ND(3)
COPPER	ug/L	1000	ND(0.1)	ND(1)	ND(100)	ND(100)	ND(500)	ND(100)	ND(50)
IRON	mg/L	0.3	3250	8560	6.6	9.9	6.4	6	9.8
LEAD	ug/L	15	ND(1)	ND(1)	ND(1)	2.3	ND(1)	1.2	ND(1)
MANGANESE	ug/L	50	170	170	180	200	180	160	150
MERCURY	ug/L	2	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
NICKEL	ug/L	100	ND(100)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(5)
SELENIUM	ug/L	10	5	3.2	ND(3)	ND(3)	ND(3)	ND(3)	ND(3)
SILVER	ug/L	50	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	1	ND(0.5)	ND(0.5)
SODIUM	mg/L	--	3.2	2.7	2.8	3.2	3.1	3.4	2.6

Table 4
Summary of Groundwater Analytical Data (Metals)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-20	RW-21	RW-22	RW-23	RW-23	RW-23	RW-23
Sample Date:			07/05/95	09/03/93	04/23/93	03/03/88	09/30/88	05/18/89	09/25/89
Parameters	Units	MCL/SMCL							
Metals									
ARSENIC	ug/L	50	ND(0.5)	ND(1)	ND(1)	19.6	27	18	19
BARIUM	ug/L	1000	25	ND(300)	ND(300)	134	250	280	580
CADMIUM	ug/L	10	0.4	ND(0.2)	ND(0.2)	ND(1)	ND(1)	ND(0.2)	ND(0.2)
CHROMIUM	ug/L	50	3.5	ND(5)	ND(0.5)	ND(1)	ND(1)	ND(3)	ND(3)
COPPER	ug/L	1000	5.9	--	--	--	--	--	--
IRON	mg/L	0.3	6.2	--	--	--	--	--	--
LEAD	ug/L	15	8.8	ND(1)	ND(1)	ND(1)	4	ND(1)	ND(1)
MANGANESE	ug/L	50	150	--	--	--	--	--	--
MERCURY	ug/L	2	ND(0.1)	ND(0.5)	ND(0.5)	ND(0.9)	ND(0.3)	--	ND(0.5)
NICKEL	ug/L	100	ND(0.5)	--	--	--	--	--	--
SELENIUM	ug/L	10	ND(0.5)	ND(5)	ND(5)	0.8	ND(2)	ND(3)	5
SILVER	ug/L	50	ND(0.2)	ND(0.5)	ND(0.5)	1.5	ND(1)	ND(0.5)	ND(0.5)
SODIUM	mg/L	--	5.5	--	--	--	--	--	--

Table 4
Summary of Groundwater Analytical Data (Metals)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-23	RW-24	RW-25	RW-25	RW-25	RW-25	RW-25
Sample Date:			05/11/95	09/30/88	03/03/88	03/03/88	09/30/88	05/18/89	09/25/89
						Dupl.			
Parameters	Units	MCL/SMCL							
Metals									
ARSENIC	ug/L	50	43	8	ND(1.4)	ND(1.8)	ND(5)	ND(5)	ND(5)
BARIUM	ug/L	1000	200	150	53	46	200	200	560
CADMIUM	ug/L	10	ND(0.2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(0.2)	ND(0.2)
CHROMIUM	ug/L	50	5.9	ND(1)	ND(1)	ND(1)	ND(1)	ND(3)	ND(3)
COPPER	ug/L	1000	--	--	--	--	--	--	21.3
IRON	mg/L	0.3	--	--	--	--	--	--	3810
LEAD	ug/L	15	ND(0.1)	ND(1)	ND(1)	ND(1)	2	ND(1)	ND(1)
MANGANESE	ug/L	50	--	--	--	--	--	--	90
MERCURY	ug/L	2	ND(0.1)	ND(0.3)	ND(0.1)	ND(0.4)	ND(0.3)	--	ND(0.5)
NICKEL	ug/L	100	--	--	--	--	--	--	110
SELENIUM	ug/L	10	ND(1)	ND(2)	1.2	1.3	ND(2)	ND(3)	ND(3)
SILVER	ug/L	50	ND(0.2)	ND(1)	3.7	3.7	ND(1)	ND(0.5)	ND(0.5)
SODIUM	mg/L	--	--	--	--	--	--	--	9.2

Table 4
Summary of Groundwater Analytical Data (Metals)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-25	RW-25	RW-25	RW-25	RW-25	RW-25	RW-25
Sample Date:			09/03/93	12/09/93	04/28/94	07/11/94	09/08/94	11/30/94	05/11/95
Parameters	Units	MCL/SMCL							
Metals									
ARSENIC	ug/L	50	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
BARIUM	ug/L	1000	ND(300)	ND(300)	100	93	120	110	110
CADMIUM	ug/L	10	ND(0.2)	ND(0.2)	ND(0.5)	ND(0.5)	ND(0.2)	ND(0.2)	ND(0.2)
CHROMIUM	ug/L	50	ND(0.5)	ND(0.5)	18	13	16	3.7	4.3
COPPER	ug/L	1000	ND(50)	ND(50)	2.4	3.1	8	4.3	16
IRON	mg/L	0.3	5.2	8.7	5.2	4.5	7.5	8.2	8.7
LEAD	ug/L	15	ND(1)	ND(1)	ND(0.5)	ND(0.5)	0.3	0.2	0.7
MANGANESE	ug/L	50	97	130	93	69	140	130	140
MERCURY	ug/L	2	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.1)	ND(0.1)	ND(0.1)
NICKEL	ug/L	100	ND(5)	ND(5)	--	12	10	ND(0.5)	ND(0.5)
SELENIUM	ug/L	10	ND(5)	ND(5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)
SILVER	ug/L	50	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.2)	ND(0.2)	ND(0.2)
SODIUM	mg/L	--	14	13	13	13	11	14	15

Table 4
Summary of Groundwater Analytical Data (Metals)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-26	RW-27	RW-28	RW-28	RW-28	RW-28	RW-28
Sample Date:			11/18/91	07/05/95	09/30/88	05/18/89	09/25/89	05/01/90	07/16/91
Parameters	Units	MCL/SMCL							
Metals									
ARSENIC	ug/L	50	6.3	5.3	ND(5)	ND(5)	ND(3)	ND(5)	ND(5)
BARIUM	ug/L	1000	ND(300)	0.5	ND(100)	130	350	ND(100)	ND(300)
CADMIUM	ug/L	10	ND(0.5)	ND(0.2)	ND(1)	ND(0.2)	ND(0.2)	ND(0.2)	0.5
CHROMIUM	ug/L	50	ND(3)	2.6	ND(1)	ND(3)	ND(3)	ND(3)	ND(3)
COPPER	ug/L	1000	--	--	--	--	--	--	ND(100)
IRON	mg/L	0.3	--	--	--	--	--	--	1.8
LEAD	ug/L	15	ND(1)	0.2	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
MANGANESE	ug/L	50	--	--	--	--	--	--	70
MERCURY	ug/L	2	ND(0.5)	ND(0.1)	ND(0.3)	--	ND(0.5)	ND(0.5)	ND(0.5)
NICKEL	ug/L	100	--	--	--	--	--	--	ND(10)
SELENIUM	ug/L	10	ND(3)	ND(0.5)	ND(2)	ND(3)	3	ND(3)	ND(3)
SILVER	ug/L	50	1.6	ND(0.2)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
SODIUM	mg/L	--	--	--	--	--	--	--	3.2

Table 4
Summary of Groundwater Analytical Data (Metals)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-30	RW-31	RW-31	RW-31	RW-31	RW-31	RW-31
Sample Date:			09/30/88	03/03/88	09/30/88	05/18/89	09/25/89	05/01/90	07/16/91
Parameters	Units	MCL/SMCL							
Metals									
ARSENIC	ug/L	50	ND(5)	1.7	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
BARIUM	ug/L	1000	250	14.3	ND(100)	240	530	ND(100)	ND(300)
CADMIUM	ug/L	10	ND(1)	ND(1)	ND(1)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.5)
CHROMIUM	ug/L	50	ND(1)	ND(1)	ND(1)	ND(3)	ND(3)	ND(3)	ND(3)
COPPER	ug/L	1000	--	--	--	--	--	--	ND(100)
IRON	mg/L	0.3	--	--	--	--	--	--	7.6
LEAD	ug/L	15	ND(1)	3.5	2	ND(1)	ND(1)	ND(1)	ND(1)
MANGANESE	ug/L	50	--	--	--	--	--	--	190
MERCURY	ug/L	2	ND(0.3)	0.2	ND(0.3)	--	ND(0.5)	ND(0.5)	ND(0.5)
NICKEL	ug/L	100	--	--	--	--	--	--	ND(10)
SELENIUM	ug/L	10	ND(2)	1	ND(2)	ND(3)	ND(3)	ND(3)	ND(3)
SILVER	ug/L	50	ND(1)	1.9	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
SODIUM	mg/L	--	--	--	--	--	--	--	2.4

Table 4
Summary of Groundwater Analytical Data (Metals)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-31	RW-32	RW-32	RW-32	RW-32	RW-32	RW-32
Sample Date:			05/11/95	03/03/88	09/30/88	05/18/89	09/25/89	05/01/90	07/16/91
Parameters	Units	MCL/SMCL							
Metals									
ARSENIC	ug/L	50	ND(0.5)	12.2	14	ND(11)	11	10	7.7
BARIUM	ug/L	1000	22	111	240	ND(100)	ND(100)	160	ND(300)
CADMIUM	ug/L	10	ND(0.2)	ND(1)	ND(1)	ND(0.2)	1.2	ND(0.2)	ND(0.5)
CHROMIUM	ug/L	50	4.4	ND(1)	ND(1)	ND(3)	ND(3)	ND(3)	ND(3)
COPPER	ug/L	1000	--	--	--	--	--	--	ND(100)
IRON	mg/L	0.3	--	--	--	--	--	--	1.7
LEAD	ug/L	15	0.4	1.2	ND(1)	ND(1)	1	ND(1)	ND(1)
MANGANESE	ug/L	50	--	--	--	--	--	--	50
MERCURY	ug/L	2	ND(0.1)	ND(0.1)	ND(0.3)	--	ND(0.5)	ND(0.5)	ND(0.5)
NICKEL	ug/L	100	--	--	--	--	--	--	ND(10)
SELENIUM	ug/L	10	ND(1)	0.8	ND(2)	ND(3)	4	3.7	ND(3)
SILVER	ug/L	50	ND(0.2)	1.9	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
SODIUM	mg/L	--	--	--	--	--	--	--	53

Table 4
Summary of Groundwater Analytical Data (Metals)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-32	RW-33	RW-33	RW-33
Sample Date:			05/11/95	03/03/88	09/25/89	05/01/90
Parameters	Units	MCL/SMCL				
Metals						
ARSENIC	ug/L	50	20	2.2	5	5
BARIUM	ug/L	1000	180	68	450	110
CADMIUM	ug/L	10	ND(0.2)	ND(1)	0.3	ND(0.2)
CHROMIUM	ug/L	50	4.1	ND(1)	ND(3)	ND(3)
COPPER	ug/L	1000	--	--	3.3	4.5
IRON	mg/L	0.3	--	--	2460	2430
LEAD	ug/L	15	ND(0.1)	ND(1)	4	3.6
MANGANESE	ug/L	50	--	--	40	50
MERCURY	ug/L	2	ND(0.1)	ND(0.1)	ND(0.5)	ND(0.5)
NICKEL	ug/L	100	--	--	ND(100)	ND(10)
SELENIUM	ug/L	10	ND(1)	1.2	5	3.5
SILVER	ug/L	50	ND(0.2)	0.9	ND(0.5)	ND(0.5)
SODIUM	mg/L	--	--	--	4.3	3.5

Table 5
Summary of Groundwater Analytical Data (General Chemistry)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-1	RW-1	RW-1	RW-2	RW-2	RW-2	RW-2
Sample Date:			11/18/91	04/17/92	11/30/92	03/28/91	07/16/91	11/18/91	04/17/92
Parameters	Units	MCL/SMCL							
General Chemistry									
CHLORIDE	mg/L	250	7	10	11	1.5	10	ND(3)	6
GROSS ALPHA	pCi/L	15	--	--	--	4 +/-2	ND(2)	ND(2)	ND(2)
GROSS BETA	pCi/L	4 mrem*	--	--	--	17 +/-4	ND(3)	ND(3)	ND(3)
NITRATE	mg/L	10	2.1	1.6	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
TOTAL DISSOLVED SOLIDS	mg/L	500	322	310	360	310	380	376	360
pH	pH	6.5-8.5	8	7.3	7.5	7.5	7.5	7.4	7.2

Table 5
Summary of Groundwater Analytical Data (General Chemistry)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-2	RW-2	RW-2	RW-3	RW-3	RW-4	RW-5
Sample Date:			11/30/94	05/11/95	07/05/95	09/08/94	05/11/95	04/23/93	11/18/91
Parameters	Units	MCL/SMCL							
General Chemistry									
CHLORIDE	mg/L	250	4.8	6.1	6.2	4.1	2.8	15	15
GROSS ALPHA	pCi/L	15	ND(2)	--	0.7 +/-1.7	--	1.3 +/-2.2	--	--
GROSS BETA	pCi/L	4 mrem*	ND(3)	--	0.0 +/-2.6	--	2.1 +/-2.7	--	--
NITRATE	mg/L	10	ND(0.2)	ND(2)	ND(0.2)	ND(0.2)	ND(2)	ND(1)	2.6
TOTAL DISSOLVED SOLIDS	mg/L	500	340	400	380	400	390	450	158
pH	pH	6.5-8.5	7.5	7.5	7.5	7.2	7.4	7.2	7.6

Table 5
Summary of Groundwater Analytical Data (General Chemistry)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-6	RW-6	RW-6	RW-6	RW-6	RW-6	RW-6
Sample Date:			09/30/88	05/18/89	09/25/89	05/01/90	07/16/91	11/18/91	04/17/92
Parameters	Units	MCL/SMCL							
General Chemistry									
CHLORIDE	mg/L	250	--	--	--	--	11	14	13
GROSS ALPHA	pCi/L	15	--	--	--	--	ND(2)	--	--
GROSS BETA	pCi/L	4 mrem*	--	--	--	--	ND(3)	--	--
NITRATE	mg/L	10	ND(1)	ND(1)	ND(1)	4	ND(1)	ND(1)	ND(1)
TOTAL DISSOLVED SOLIDS	mg/L	500	--	--	--	--	500	462	460
pH	pH	6.5-8.5	--	--	--	--	7.4	7.4	7.2

Table 5
Summary of Groundwater Analytical Data (General Chemistry)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-7	RW-7	RW-7	RW-7	RW-7	RW-8	RW-8
Sample Date:			05/18/89	09/25/89	05/01/90	07/16/91	11/18/91	09/30/88	05/18/89
Parameters	Units	MCL/SMCL							
General Chemistry									
CHLORIDE	mg/L	250	--	--	--	6	5	--	--
GROSS ALPHA	pCi/L	15	--	--	--	ND(2)	--	--	--
GROSS BETA	pCi/L	4 mrem*	--	--	--	ND(3)	--	--	--
NITRATE	mg/L	10	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
TOTAL DISSOLVED SOLIDS	mg/L	500	--	--	--	370	369	--	--
pH	pH	6.5-8.5	--	--	--	7.2	7.5	--	--

Table 5
Summary of Groundwater Analytical Data (General Chemistry)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-11	RW-11	RW-11	RW-11	RW-11	RW-11	RW-12
Sample Date:			09/30/88	05/18/89	09/25/89	05/01/90	07/16/91	11/18/91	05/01/90
Parameters	Units	MCL/SMCL							
General Chemistry									
CHLORIDE	mg/L	250	--	--	--	--	12	10	5
GROSS ALPHA	pCi/L	15	--	--	--	--	ND(2)	--	--
GROSS BETA	pCi/L	4 mrem*	--	--	--	--	ND(3)	--	--
NITRATE	mg/L	10	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
TOTAL DISSOLVED SOLIDS	mg/L	500	--	--	--	--	400	430	325
pH	pH	6.5-8.5	--	--	--	--	7.2	7.3	7.1

Table 5
Summary of Groundwater Analytical Data (General Chemistry)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-12	RW-12	RW-12	RW-12	RW-12	RW-12	RW-12
Sample Date:			09/03/93	12/09/93	04/28/94	07/11/94	09/08/94	11/30/94	05/11/95
Parameters	Units	MCL/SMCL							
General Chemistry									
CHLORIDE	mg/L	250	51	50	35	38	36	34	34
GROSS ALPHA	pCi/L	15	ND(2)	ND(2)	5 +/-4	ND(2)	ND(2)	ND(2)	2.5 +/-2.1
GROSS BETA	pCi/L	4 mrem*	5 +/-3	ND(3)	6 +/-4	ND(3)	ND(3)	ND(3)	1.3 +/-2.5
NITRATE	mg/L	10	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(2)
TOTAL DISSOLVED SOLIDS	mg/L	500	490	490	440	500	440	460	450
pH	pH	6.5-8.5	7.2	7.1	7.2	7.2	7.1	7.4	7.3

Table 5
Summary of Groundwater Analytical Data (General Chemistry)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-13	RW-13	RW-13	RW-14	RW-14	RW-14	RW-14
Sample Date:			04/28/94	09/08/94	05/11/95	09/30/88	05/18/89	05/18/89 Dupl.	09/25/89
Parameters	Units	MCL/SMCL							
General Chemistry									
CHLORIDE	mg/L	250	10	8.2	8.9	--	--	--	--
GROSS ALPHA	pCi/L	15	--	--	--	--	--	--	--
GROSS BETA	pCi/L	4 mrem*	--	--	--	--	--	--	--
NITRATE	mg/L	10	ND(0.2)	ND(0.2)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)
TOTAL DISSOLVED SOLIDS	mg/L	500	440	390	400	--	--	--	--
pH	pH	6.5-8.5	7.2	7.3	7.5	--	--	--	--

Table 5
Summary of Groundwater Analytical Data (General Chemistry)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-16	RW-17	RW-18	RW-18	RW-18	RW-18	RW-18
Sample Date:			05/18/89	09/03/93	09/30/88	05/18/89	09/25/89	09/25/89 Dupl.	05/01/90
Parameters	Units	MCL/SMCL							
General Chemistry									
CHLORIDE	mg/L	250	--	4	--	--	--	--	--
GROSS ALPHA	pCi/L	15	--	--	--	--	--	--	--
GROSS BETA	pCi/L	4 mrem*	--	--	--	--	--	--	--
NITRATE	mg/L	10	ND(1)	ND(0.2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
TOTAL DISSOLVED SOLIDS	mg/L	500	--	360	--	--	--	--	--
pH	pH	6.5-8.5	--	7.2	--	--	--	--	--

Table 5
Summary of Groundwater Analytical Data (General Chemistry)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-19	RW-19	RW-19	RW-20	RW-20	RW-20	RW-20
Sample Date:			09/25/89	05/01/90	07/16/91	09/30/88	05/18/89	09/25/89	05/01/90
Parameters	Units	MCL/SMCL							
General Chemistry									
CHLORIDE	mg/L	250	--	--	7	--	--	6	2
GROSS ALPHA	pCi/L	15	--	--	ND(2)	--	--	--	--
GROSS BETA	pCi/L	4 mrem*	--	--	6 +/-3	--	--	--	--
NITRATE	mg/L	10	5	ND(1)	5.9	ND(1)	ND(1)	ND(1)	ND(1)
TOTAL DISSOLVED SOLIDS	mg/L	500	--	--	270	--	--	458	315
pH	pH	6.5-8.5	--	--	7.9	--	--	7.1	7

Table 5
Summary of Groundwater Analytical Data (General Chemistry)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-20	RW-20	RW-20	RW-20	RW-20	RW-20	RW-21
Sample Date:			12/09/93	07/11/94	09/08/94	11/30/94	05/11/95	07/05/95	09/03/93
Parameters	Units	MCL/SMCL							
General Chemistry									
CHLORIDE	mg/L	250	13	13	13	12	13	13	6
GROSS ALPHA	pCi/L	15	ND(2)	ND(2)	ND(2)	ND(2)	0.0 +/-2.0	0.0 +/-2.0	--
GROSS BETA	pCi/L	4 mrem*	ND(3)	ND(3)	ND(3)	ND(3)	0.0 +/-2.8	0.2 +/-3.4	--
NITRATE	mg/L	10	ND(0.2)	0.2	ND(0.2)	ND(0.2)	ND(2)	ND(0.2)	5
TOTAL DISSOLVED SOLIDS	mg/L	500	450	510	470	470	390	450	320
pH	pH	6.5-8.5	7.1	7.2	7.2	7.4	7.4	7.4	7.4

Table 5
Summary of Groundwater Analytical Data (General Chemistry)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-23	RW-23	RW-23	RW-23	RW-23	RW-24	RW-25
Sample Date:			04/23/93	09/03/93	04/28/94	09/08/94	05/11/95	09/30/88	09/30/88
Parameters	Units	MCL/SMCL							
General Chemistry									
CHLORIDE	mg/L	250	4	ND(3)	ND(3)	ND(2)	1.9	--	--
GROSS ALPHA	pCi/L	15	--	--	--	--	--	--	--
GROSS BETA	pCi/L	4 mrem*	--	--	--	--	--	--	--
NITRATE	mg/L	10	ND(1)	ND(0.2)	0.2	ND(0.2)	ND(2)	ND(1)	ND(1)
TOTAL DISSOLVED SOLIDS	mg/L	500	400	410	450	400	450	--	--
pH	pH	6.5-8.5	7.2	7.2	7.3	7.2	7.4	--	--

Table 5
Summary of Groundwater Analytical Data (General Chemistry)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-25	RW-25	RW-25	RW-25	RW-25	RW-25	RW-25
Sample Date:			11/30/92	04/23/93	09/03/93	12/09/93	04/28/94	07/11/94	09/08/94
Parameters	Units	MCL/SMCL							
General Chemistry									
CHLORIDE	mg/L	250	25	23	20	21	18	22	21
GROSS ALPHA	pCi/L	15	ND(2)	ND(2)	ND(2)	ND(2)	7 +/-5	ND(2)	ND(2)
GROSS BETA	pCi/L	4 mrem*	ND(3)	ND(3)	ND(3)	ND(3)	8 +/-4	7 +/-4	8 +/-3
NITRATE	mg/L	10	ND(1)	ND(1)	ND(0.2)	ND(0.2)	0.2	ND(0.2)	ND(0.2)
TOTAL DISSOLVED SOLIDS	mg/L	500	420	410	450	420	420	460	440
pH	pH	6.5-8.5	7.2	7.1	7.1	7.1	7.1	7.1	7.1

Table 5
Summary of Groundwater Analytical Data (General Chemistry)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-26	RW-26	RW-27	RW-28	RW-28	RW-28	RW-28
Sample Date:			07/16/91	11/18/91	07/05/95	09/30/88	05/18/89	09/25/89	05/01/90
Parameters	Units	MCL/SMCL							
General Chemistry									
CHLORIDE	mg/L	250	12	ND(3)	16	--	--	--	--
GROSS ALPHA	pCi/L	15	ND(2)	--	--	--	--	--	--
GROSS BETA	pCi/L	4 mrem*	ND(3)	--	--	--	--	--	--
NITRATE	mg/L	10	ND(1)	ND(1)	ND(0.2)	ND(1)	ND(1)	ND(1)	ND(1)
TOTAL DISSOLVED SOLIDS	mg/L	500	430	464	490	--	--	--	--
pH	pH	6.5-8.5	7.2	7.2	7.4	--	--	--	--

Table 5
Summary of Groundwater Analytical Data (General Chemistry)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-30	RW-31	RW-31	RW-31	RW-31	RW-31	RW-31
Sample Date:			09/30/88	09/30/88	05/18/89	09/25/89	05/01/90	07/16/91	11/18/91
Parameters	Units	MCL/SMCL							
General Chemistry									
CHLORIDE	mg/L	250	--	--	--	--	--	9	10
GROSS ALPHA	pCi/L	15	--	--	--	--	--	ND(2)	--
GROSS BETA	pCi/L	4 mrem*	--	--	--	--	--	ND(3)	--
NITRATE	mg/L	10	ND(2.4)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
TOTAL DISSOLVED SOLIDS	mg/L	500	--	--	--	--	--	420	393
pH	pH	6.5-8.5	--	--	--	--	--	7.1	7

Table 5
Summary of Groundwater Analytical Data (General Chemistry)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-32	RW-32	RW-32	RW-32	RW-32	RW-32	RW-32
Sample Date:			09/30/88	05/18/89	09/25/89	05/01/90	07/16/91	11/18/91	04/17/92
Parameters	Units	MCL/SMCL							
General Chemistry									
CHLORIDE	mg/L	250	--	--	--	--	5	7	10
GROSS ALPHA	pCi/L	15	--	--	--	--	ND(2)	--	--
GROSS BETA	pCi/L	4 mrem*	--	--	--	--	ND(3)	--	--
NITRATE	mg/L	10	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
TOTAL DISSOLVED SOLIDS	mg/L	500	--	--	--	--	380	328	310
pH	pH	6.5-8.5	--	--	--	--	7.3	7.3	7.2

Table 5
Summary of Groundwater Analytical Data (General Chemistry)
Residential Well Sites
Four County Landfill Site
Fulton County, Indiana

Location:			RW-33
Sample Date:			05/01/90
Parameters	Units	MCL/SMCL	
General Chemistry			
CHLORIDE	mg/L	250	1
GROSS ALPHA	pCi/L	15	--
GROSS BETA	pCi/L	4 mrem*	--
NITRATE	mg/L	10	ND(1)
TOTAL DISSOLVED SOLIDS	mg/L	500	239
pH	pH	6.5-8.5	7.3

Notes

* - Represents total body exposure value to be evaluated if concentration of this analyte exceeds 50 pCi/L.

TABLE 6

RESIDENTIAL WELL IDENTIFIERS
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

Residential Well Identifier	*Resident*
RW1	Bigler, E.
RW2	Bradford, O./Wagner, J./Wood, T.
RW3	Brocky, R.
RW4	Clark, D.
RW5	Conley, B.
RW6	Ditmire, J.
RW7	Eastman, J.
RW8	Ezell, E.
RW9	Felda, D.
RW10	Gibson, J.
RW11	Greene, L.
RW12	Hammond, J.
RW13	Hissong, V.
RW14	Holcomb, J.
RW15	Ivey, H.
RW16	Johnson, A.
RW17	Johnson, E.
RW18	Jones, E./Clinger, R.
RW19	Justis, J.
RW20	Kings Lake Church
RW21	Klines, P.
RW22	Lancaster, R.
RW23	Lewis, B.
RW24	Lewis, M.
RW25	Lewis, T.
RW26	Lewis, W.
RW27	McClane
RW28	Miller, R.
RW29	Minix, M.
RW30	Singleton Dairy
RW31	Szponar, L.
RW32	Widman, R.
RW33	Williams, M.

APPENDIX G

GROUNDWATER CONTOUR MAPS

TABLE G.1

SUMMARY OF GROUNDWATER CONTOURING INTERVALS
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

Well Location	*Reference Elevation* [1] *(ft AMSL)* [2]	*Screened Interval (ft AMSL)*	*Depth to Groundwater Apr-95 (ft btoc)* [3]	*Groundwater Elevation Apr-95 (ft AMSL)*	*Depth to Groundwater Oct-95 (ft btoc)*	*Groundwater Elevation Oct-95 (ft AMSL)*
Stratigraphic Unit B						
P-4B	792.24	723.0 / 718.6	63.71	728.53	65.55	726.69
P-5B	776.85	730.0 / 725.0	48.52	728.33	50.23	726.62
P-7B	770.89	723.4 / 718.4	42.55	728.34	44.39	726.5
P-8B	756.92	711.6 / 707.2	28.71	728.21	30.14	726.78
MW-23B	759.78	723.3 / 718.2	31.46	728.32	33.15	726.63
MW-24B	787.72	716.9 / 711.9	59.14	728.58	60.83	726.89
MW-25B	793.81	718.7 / 713.7	65.53	728.28	68.26	725.55
MW-27B	779.74	727.4 / 723.2	51.33	728.41	53.19	726.55
MW-28B	775.59	718.7 / 713.7	47.35	728.24	48.8	726.79
MW-29B	773.41	724.3 / 719.3	45.22	728.19	46.57	726.84
MW-30B	762.02	723.8 / 718.8	33.66	728.36	35.34	726.68
MW-31B	782.95	724.0 / 719.0	54.6	728.35	56.35	726.6
MW-32B	798.87	723.4 / 718.4	70.46	728.41	72.25	726.62
MW-33B	796.57	727.2 / 722.2	68.25	728.32	69.94	726.63
MW-34*B	796.16	723.4 / 719.2	67.84	728.32	69.52	726.64
Stratigraphic Unit C - Screened Interval 690 - 710						
P-4C1	791.8	705.7 / 703.9	63.27	728.53	65.13	726.67
P-5C1	776.65	698.5 / 696.6	48.28	728.37	49.99	726.66
P-24C1	788.34	698.2 / 696.2	59.37	728.97	61.24	727.1
P-27C1	780.42	701.7 / 699.8	52.02	728.4	53.87	726.55
P-28C1	777.02	691.3 / 689.4	48.81	728.21	50.32	726.7
P-30C1	762.58	701.9 / 700.0	34.2	728.38	36.04	726.54
P-31C1	782.79	695.9 / 694.0	54.41	728.38	56.24	726.55
P-34*C1	796.17	698.3 / 696.4	67.77	728.4	69.49	726.68

TABLE G.1

SUMMARY OF GROUNDWATER CONTOURING INTERVALS
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

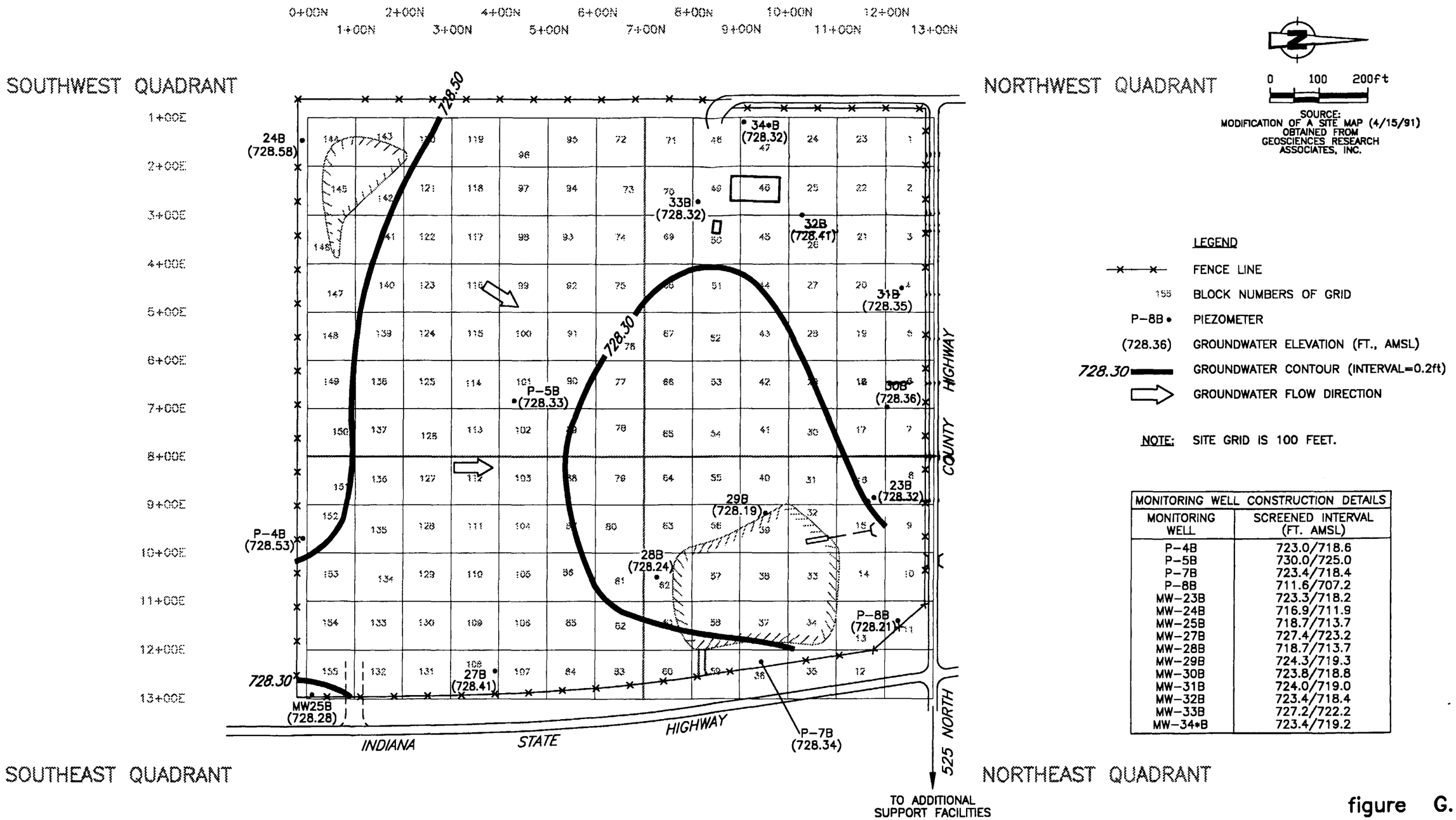
Well Location	*Reference Elevation* [1] *(ft AMSL)* [2]	*Screened Interval (ft AMSL)*	*Depth to Groundwater Apr-95 (ft btoc)* [3]	*Groundwater Elevation Apr-95 (ft AMSL)*	*Depth to Groundwater Oct-95 (ft btoc)*	*Groundwater Elevation Oct-95 (ft AMSL)*
Stratigraphic Unit C - Screened Interval 665 - 685						
P-5C2	777.18	668.8 / 666.9	48.74	728.44	50.57	726.61
P-8C1	757.7	667.2 / 675.3	29.41	728.29	31.28	726.42
P-23C1	761.05	682.3 / 680.4	32.7	728.35	34.54	726.51
P-24C2	787.93	683.2 / 681.2	58.92	729.01	60.81	727.12
P-25C2	794.86	672.3 / 670.4	66.42	728.44	67.28	727.58
P-27C2	780.11	671.3 / 669.4	51.71	728.4	53.51	726.6
P-31C2	782.61	671.0 / 669.1	54.34	728.27	56.06	726.55
P-32C2	797.57	666.9 / 665.0	69.14	728.43	70.96	726.61
P-34*C2	795.9	669.2 / 667.3	67.41	728.49	69.28	726.62
Stratigraphic Unit C - Screened Interval 635 - 655						
P-5C3	777.07	656.4 / 654.5	48.61	728.46	50.24	726.83
P-8C2	757.65	644.7 / 642.8	29.34	728.31	31.21	726.44
P-23C2	761.14	643.9 / 642.0	32.9	728.24	34.63	726.51
P-24C4	788.78	656.8 / 654.9	59.83	728.95	61.68	727.1
P-27C3	780.1	650.3 / 648.4	51.71	728.39	53.56	726.54
P-28C3	776.77	641.0 / 639.1	48.49	728.28	50.25	726.52
P-30C3	764.38	641.0 / 639.1	36.05	728.33	37.88	726.5
P-31C3	782.73	648.5 / 646.5	54.36	728.37	56.2	726.53
P-34*C3	796.3	646.0 / 644.1	67.83	728.47	69.66	726.64

TABLE G.1

SUMMARY OF GROUNDWATER CONTOURING INTERVALS
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

Well Location	*Reference Elevation* [1] *(ft AMSL)* [2]	*Screened Interval (ft AMSL)*	*Depth to Groundwater Apr-95 (ft btoc)* [3]	*Groundwater Elevation Apr-95 (ft AMSL)*	*Depth to Groundwater Oct-95 (ft btoc)*	*Groundwater Elevation Oct-95 (ft AMSL)*
Stratigraphic Unit C - Screened Interval 580 - 625						
P-5C4	777.52	610.2 / 608.3	49.11	728.41	50.57	726.95
P-8C3	757.33	624.0 / 622.1	29.02	728.31	30.89	726.44
P-23C4	760.02	582.4 / 580.5	31.65	728.37	33.51	726.51
P-27C4	781.96	601.4 / 599.5	53.7	728.26	55.06	726.9
P-31C4	782.74	588.4 / 586.5	54.35	728.39	56.19	726.55
P-34*C4	796.31	602.1 / 600.3	67.84	728.47	69.64	726.67

1 Elevation of top of casing recorded during monitoring well survey conducted during the RI.
2 Elevation in feet above mean sea level.
3 (ft btoc) - feet below top of casing.



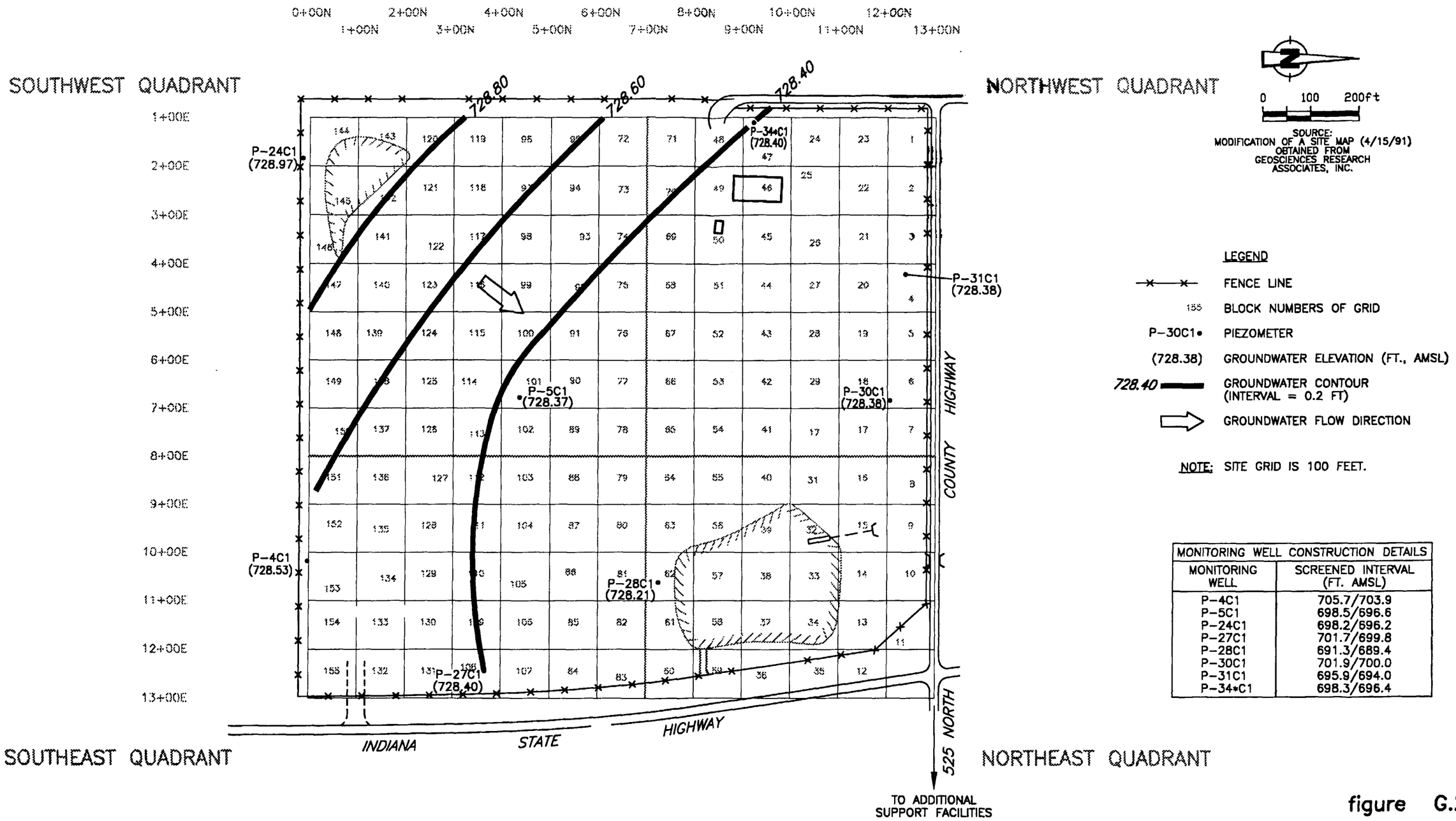
MONITORING WELL CONSTRUCTION DETAILS	
MONITORING WELL	SCREENED INTERVAL (FT. AMSL)
P-4B	723.0/718.6
P-5B	730.0/725.0
P-7B	723.4/718.4
P-8B	711.6/707.2
MW-23B	723.3/718.2
MW-24B	716.9/711.9
MW-25B	718.7/713.7
MW-27B	727.4/723.2
MW-28B	718.7/713.7
MW-29B	724.3/719.3
MW-30B	723.8/718.8
MW-31B	724.0/719.0
MW-32B	723.4/718.4
MW-33B	727.2/722.2
MW-34•B	723.4/719.2

figure G.1

GROUNDWATER CONTOURS–APRIL 1995
STRATIGRAPHIC UNIT B
FOUR COUNTY LANDFILL SITE
Fulton County, Indiana

CRA

5369(11)–MAY 2, 96–REV.1–(C)(P116)



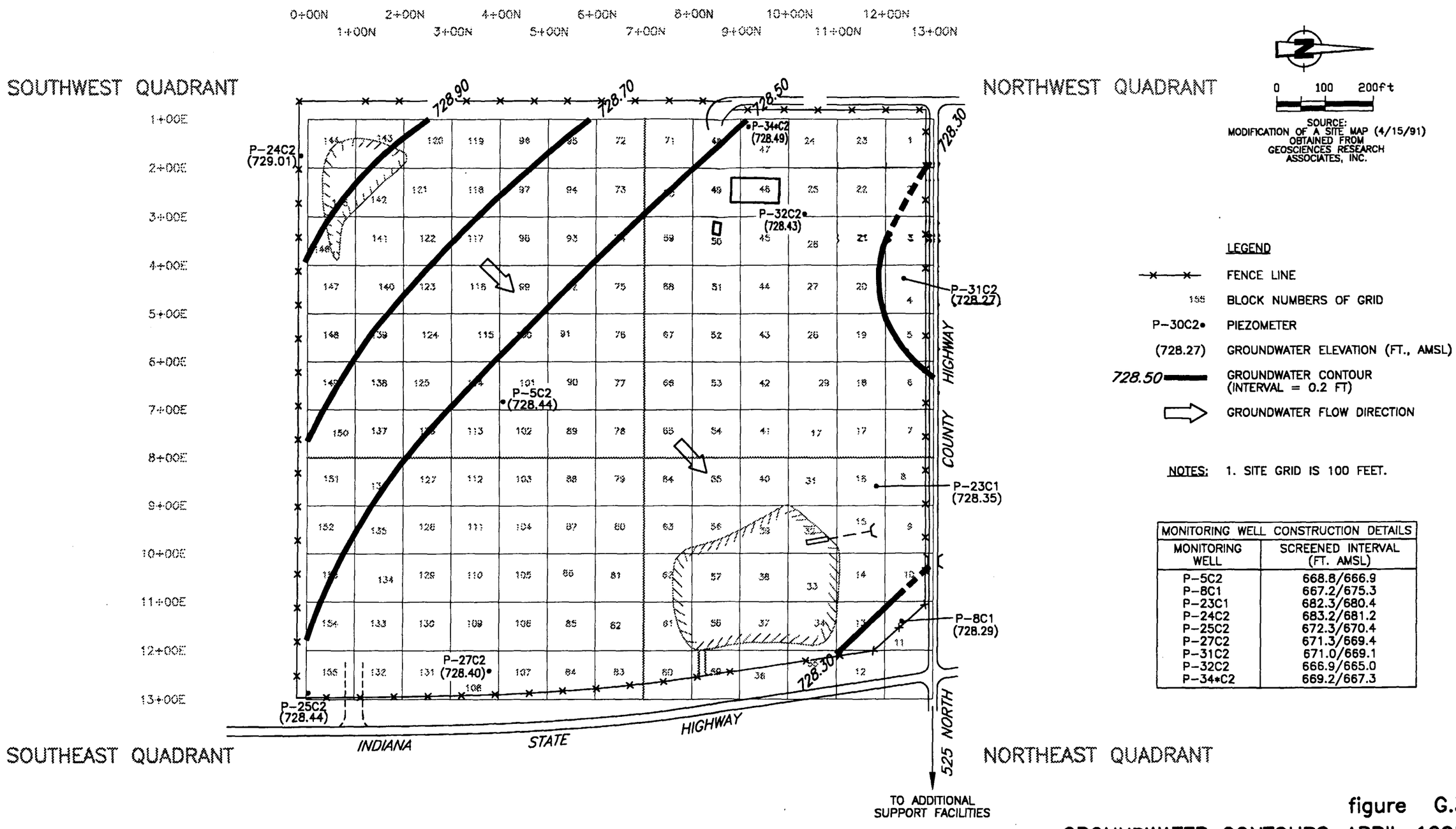
MONITORING WELL CONSTRUCTION DETAILS	
MONITORING WELL	SCREENED INTERVAL (FT. AMSL)
P-4C1	705.7/703.9
P-5C1	698.5/696.6
P-24C1	698.2/696.2
P-27C1	701.7/699.8
P-28C1	691.3/689.4
P-30C1	701.9/700.0
P-31C1	695.9/694.0
P-34+C1	698.3/696.4

figure G.2

GROUNDWATER CONTOURS–APRIL 1995
STRATIGRAPHIC UNIT C : INTERVAL 690–710
FOUR COUNTY LANDFILL SITE
Fulton County, Indiana

CRA

5369(11)–MAY 2, 96–REV.1–(C)(P117)



NOTES: 1. SITE GRID IS 100 FEET.

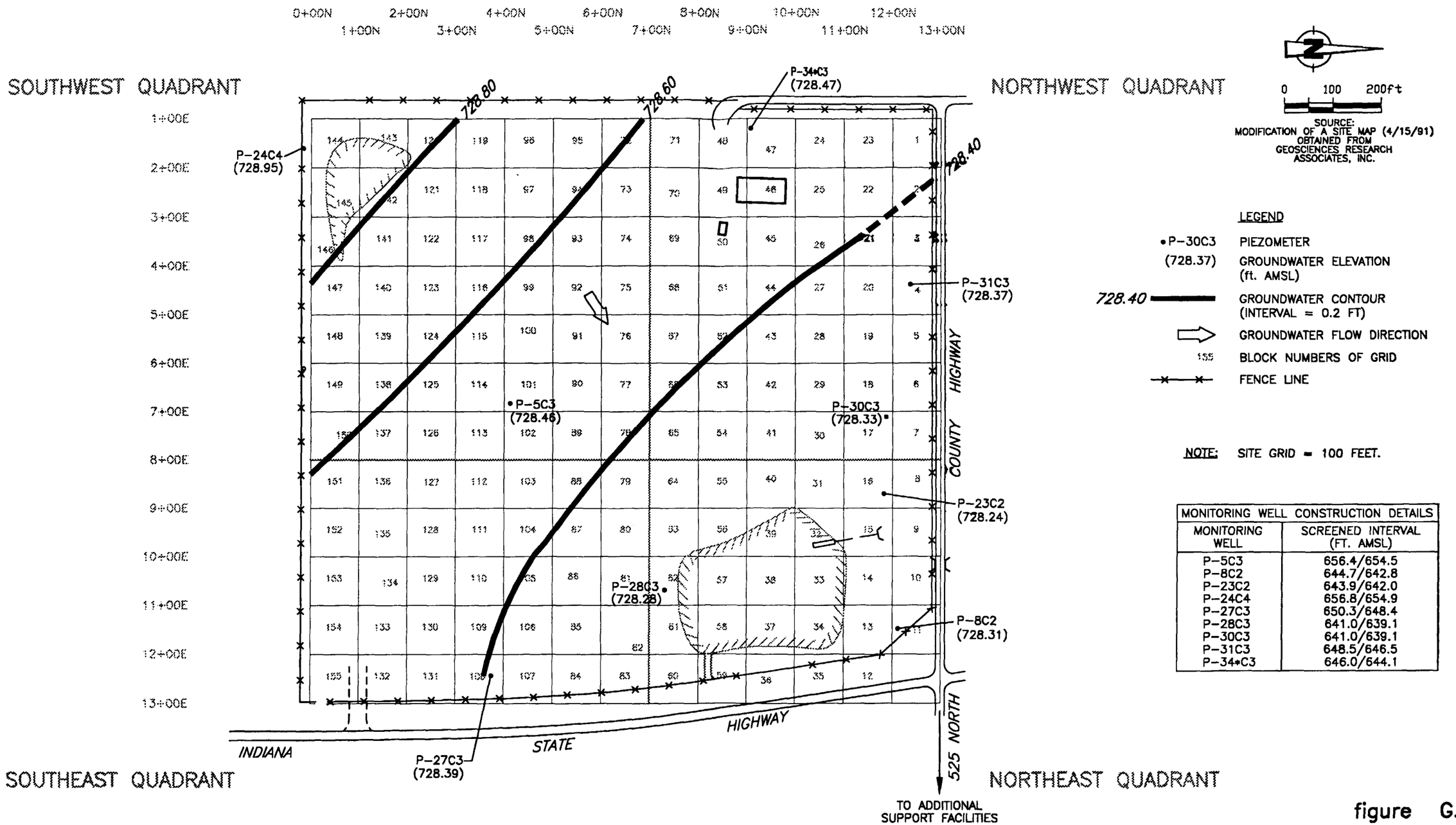
MONITORING WELL CONSTRUCTION DETAILS	
MONITORING WELL	SCREENED INTERVAL (FT. AMSL)
P-5C2	668.8/666.9
P-8C1	667.2/675.3
P-23C1	682.3/680.4
P-24C2	683.2/681.2
P-25C2	672.3/670.4
P-27C2	671.3/669.4
P-31C2	671.0/669.1
P-32C2	666.9/665.0
P-34*C2	669.2/667.3

figure G.3

GROUNDWATER CONTOURS–APRIL 1995
STRATIGRAPHIC UNIT C : INTERVAL 665–685
FOUR COUNTY LANDFILL SITE
Fulton County, Indiana

CRA

5369(11)–MAY 2, 96–REV.1–(C)(P118)



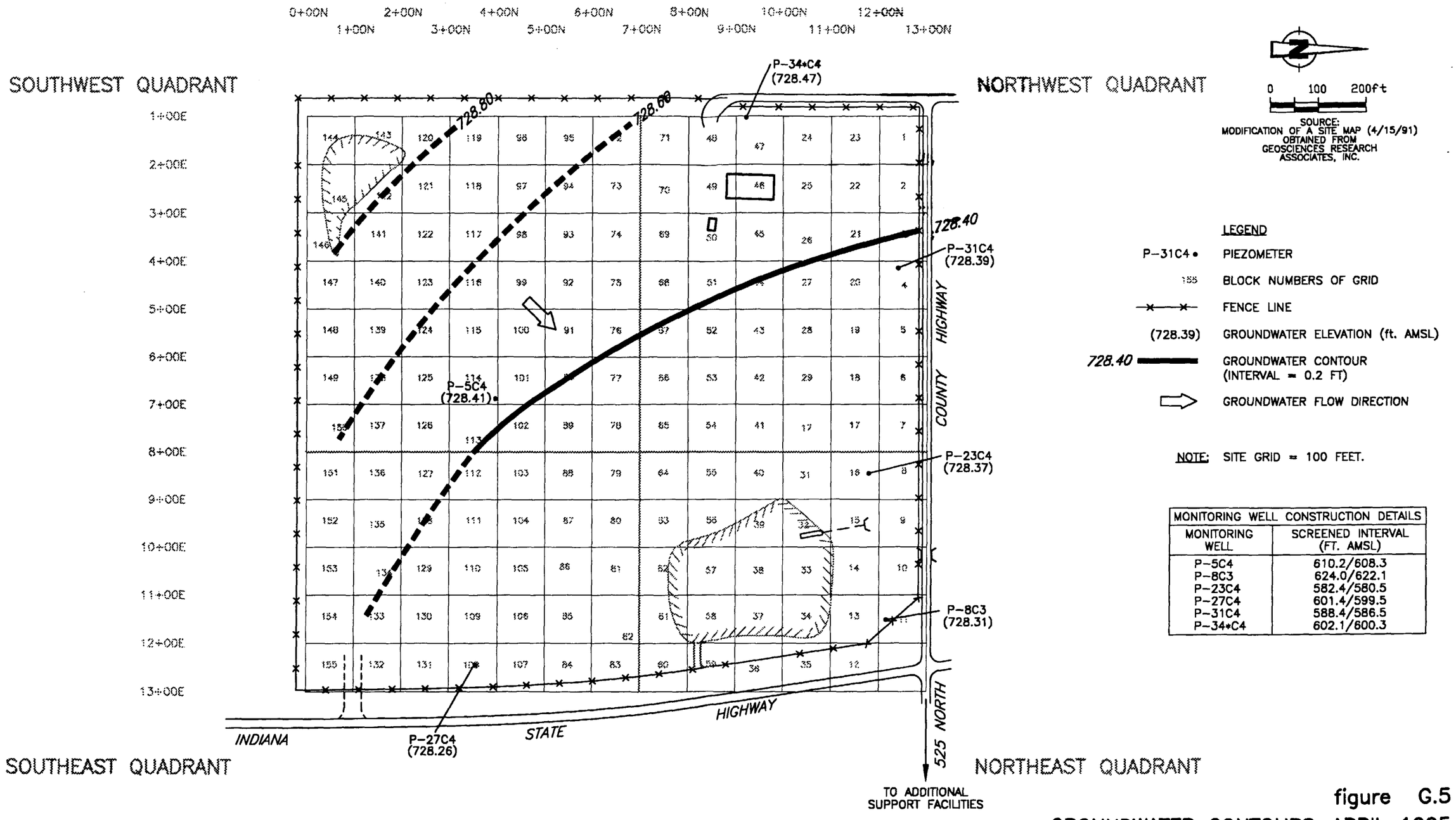
MONITORING WELL CONSTRUCTION DETAILS	
MONITORING WELL	SCREENED INTERVAL (FT. AMSL)
P-5C3	656.4/654.5
P-8C2	644.7/642.8
P-23C2	643.9/642.0
P-24C4	656.8/654.9
P-27C3	650.3/648.4
P-28C3	641.0/639.1
P-30C3	641.0/639.1
P-31C3	648.5/646.5
P-34*C3	646.0/644.1

figure G.4

GROUNDWATER CONTOURS–APRIL 1995
STRATIGRAPHIC UNIT C : INTERVAL 635–655
FOUR COUNTY LANDFILL SITE
Fulton County, Indiana

CRA

5369(11)–MAY 2, 96–REV.1–(C)(P119)



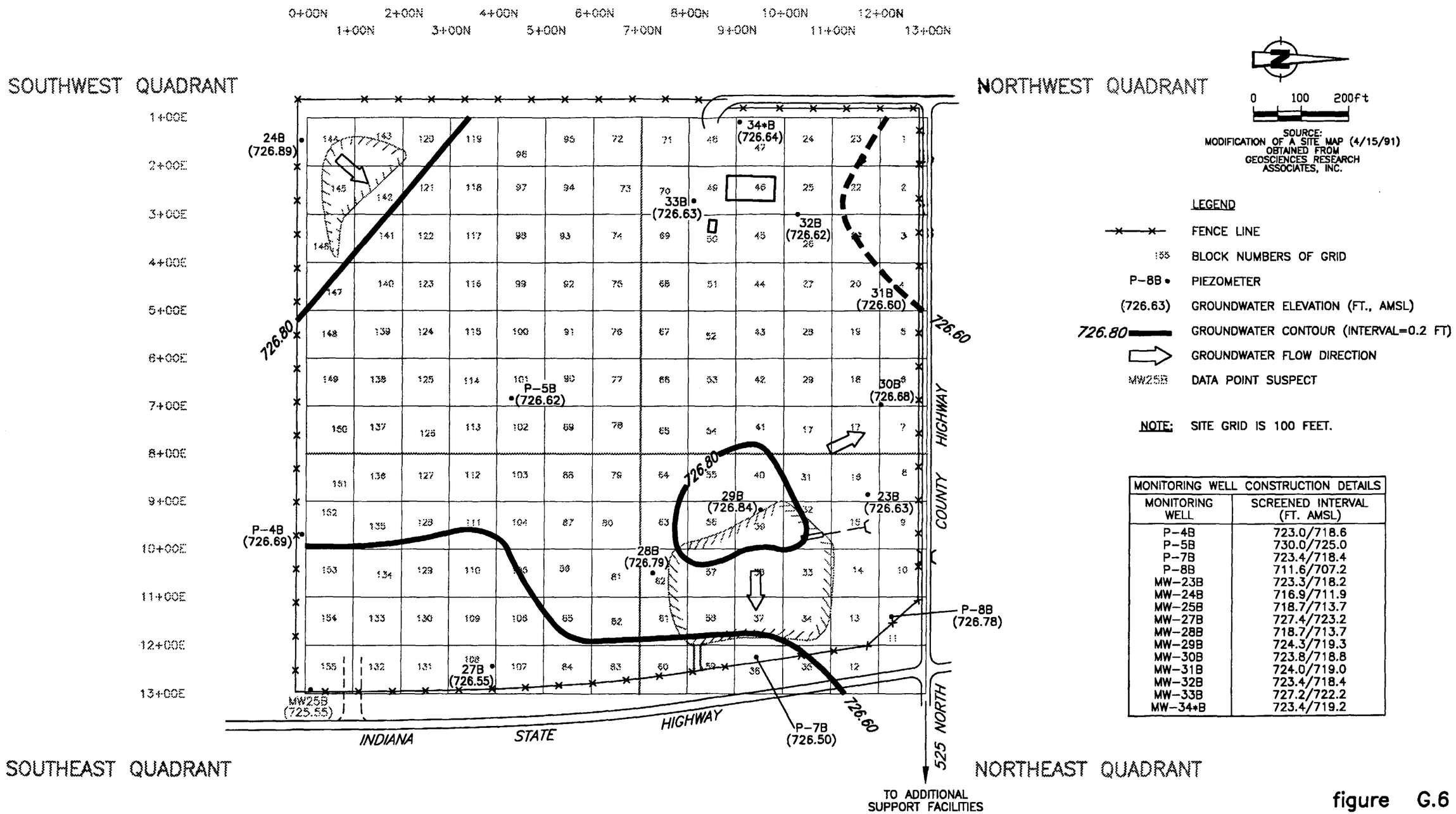
MONITORING WELL CONSTRUCTION DETAILS	
MONITORING WELL	SCREENED INTERVAL (FT. AMSL)
P-5C4	610.2/608.3
P-8C3	624.0/622.1
P-23C4	582.4/580.5
P-27C4	601.4/599.5
P-31C4	588.4/586.5
P-34+C4	602.1/600.3

figure G.5

GROUNDWATER CONTOURS–APRIL 1995
STRATIGRAPHIC UNIT C : INTERVAL 580–625
FOUR COUNTY LANDFILL SITE
Fulton County, Indiana

CRA

5369(11)–MAY 2, 96–REV.1–(C)(P120)



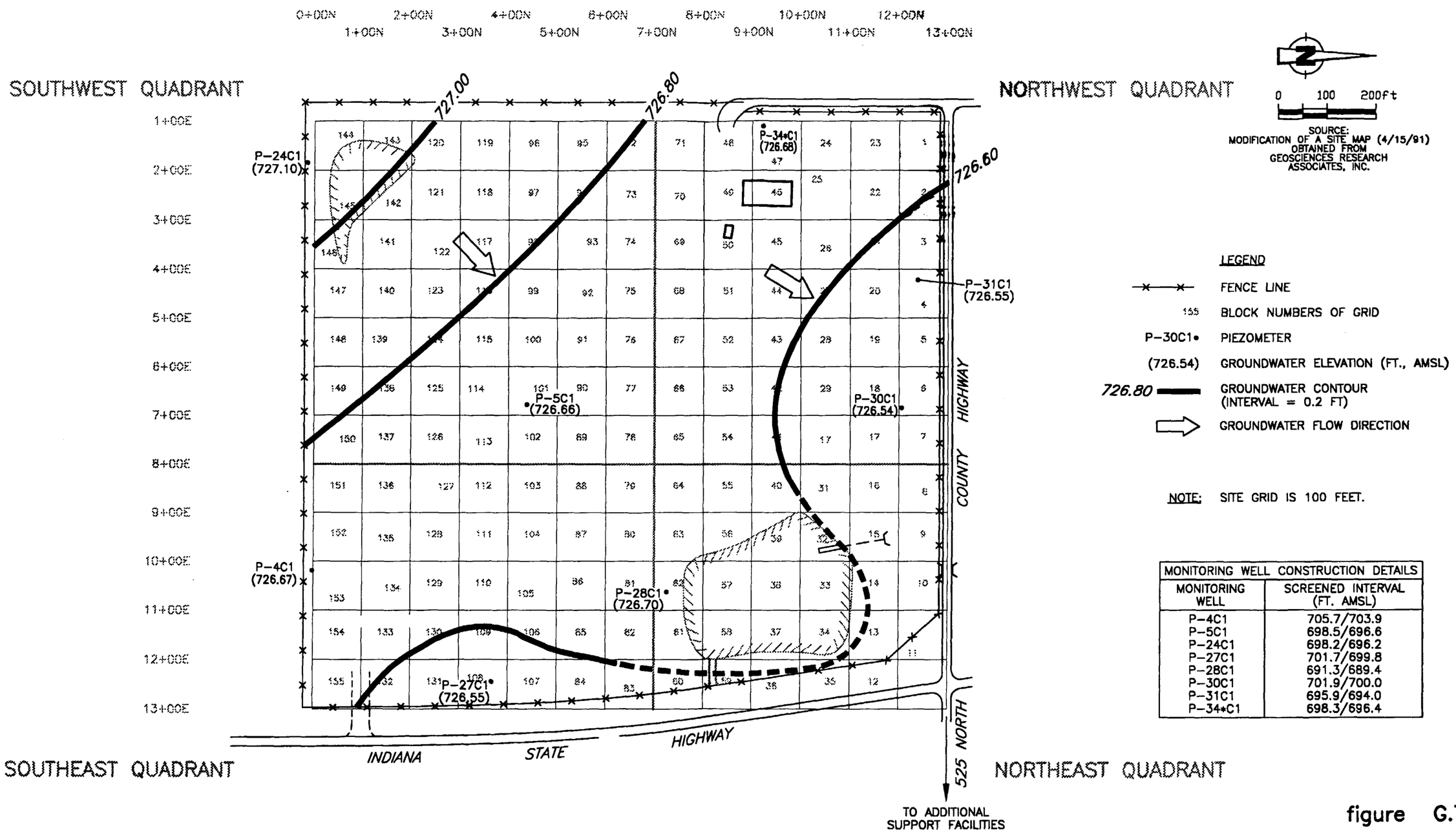
MONITORING WELL CONSTRUCTION DETAILS	
MONITORING WELL	SCREENED INTERVAL (FT. AMSL)
P-4B	723.0/718.6
P-5B	730.0/725.0
P-7B	723.4/718.4
P-8B	711.6/707.2
MW-23B	723.3/718.2
MW-24B	716.9/711.9
MW-25B	718.7/713.7
MW-27B	727.4/723.2
MW-28B	718.7/713.7
MW-29B	724.3/719.3
MW-30B	723.8/718.8
MW-31B	724.0/719.0
MW-32B	723.4/718.4
MW-33B	727.2/722.2
MW-34+B	723.4/719.2

figure G.6

GROUNDWATER CONTOURS–OCTOBER 1995
STRATIGRAPHIC UNIT B
FOUR COUNTY LANDFILL SITE
Fulton County, Indiana

CRA

5369(11)–MAY 2, 96–REV.1–(C)(P–79)



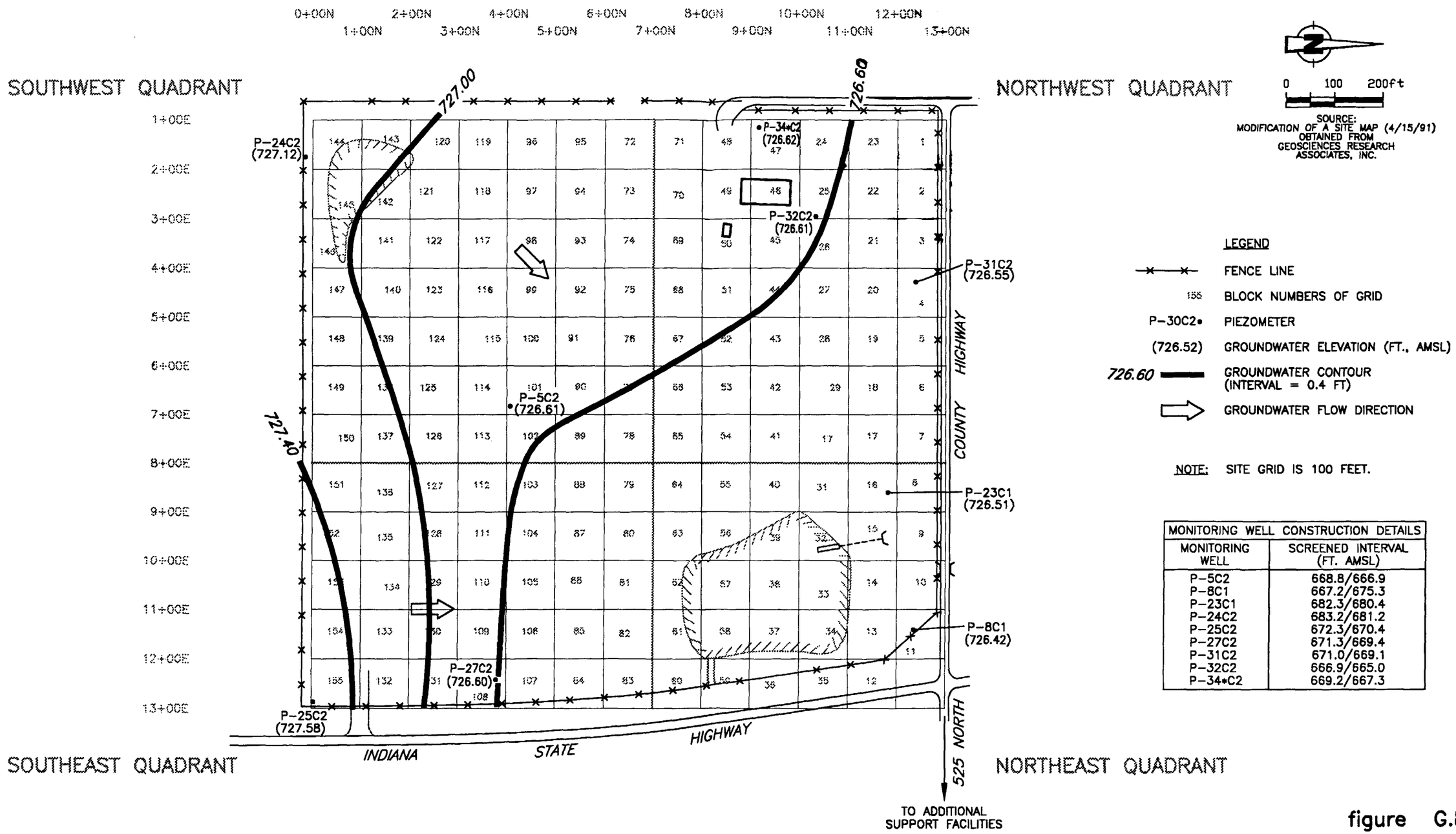
MONITORING WELL CONSTRUCTION DETAILS	
MONITORING WELL	SCREENED INTERVAL (FT. AMSL)
P-4C1	705.7/703.9
P-5C1	698.5/696.6
P-24C1	698.2/696.2
P-27C1	701.7/699.8
P-28C1	691.3/689.4
P-30C1	701.9/700.0
P-31C1	695.9/694.0
P-34+C1	698.3/696.4

figure G.7

GROUNDWATER CONTOURS–OCTOBER 1995
STRATIGRAPHIC UNIT C : INTERVAL 690–710
FOUR COUNTY LANDFILL SITE
Fulton County, Indiana

CRA

5369(11)–MAY 2, 96–REV.1–(C)(P–80)



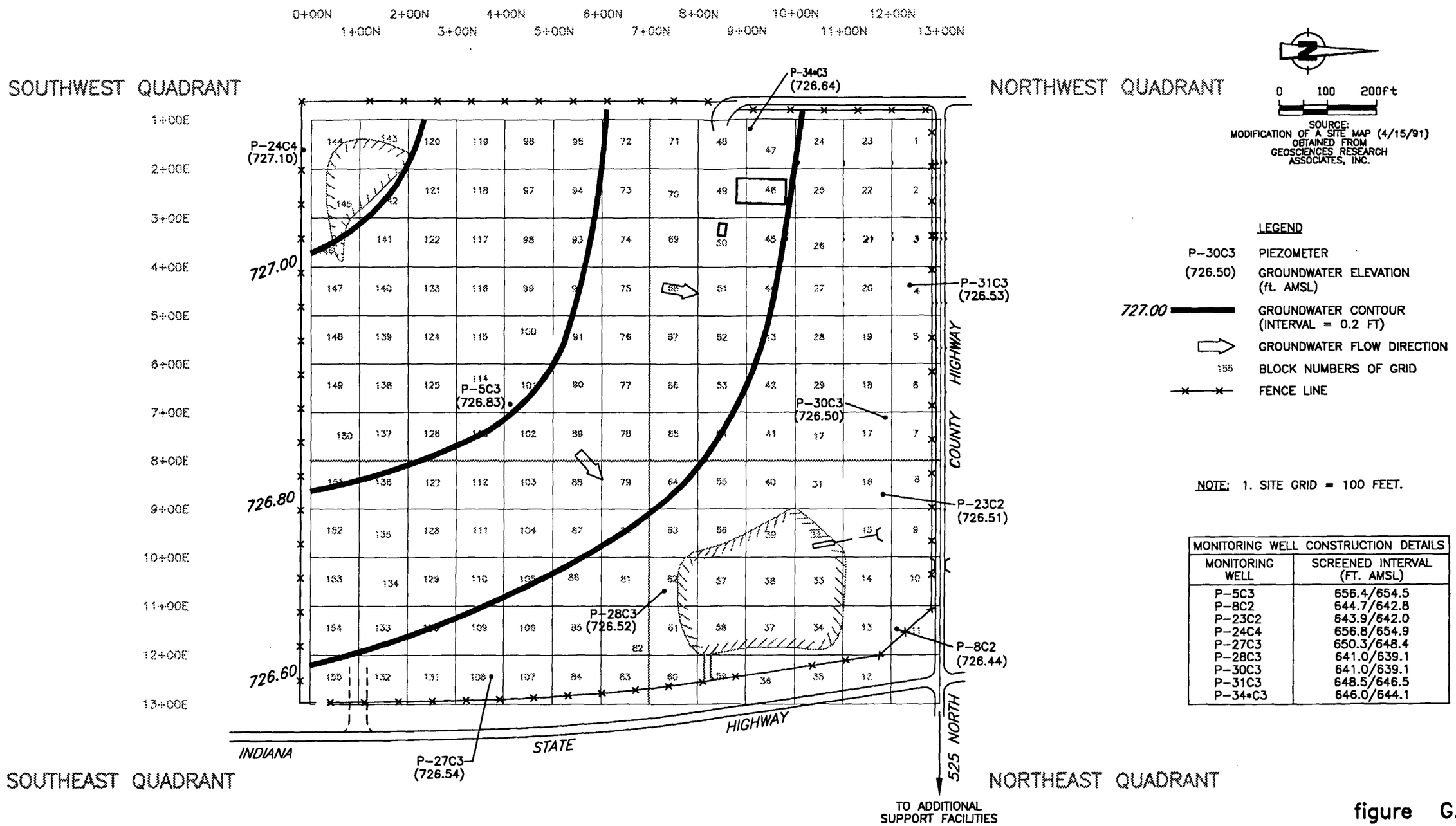
MONITORING WELL CONSTRUCTION DETAILS	
MONITORING WELL	SCREENED INTERVAL (FT. AMSL)
P-5C2	668.8/666.9
P-8C1	667.2/675.3
P-23C1	682.3/680.4
P-24C2	683.2/681.2
P-25C2	672.3/670.4
P-27C2	671.3/669.4
P-31C2	671.0/669.1
P-32C2	666.9/665.0
P-34+C2	669.2/667.3

figure G.8

GROUNDWATER CONTOURS–OCTOBER 1995
STRATIGRAPHIC UNIT C : INTERVALS 665–685
FOUR COUNTY LANDFILL SITE
Fulton County, Indiana

CRA

5369(11)–MAY 2, 96–REV.1–(C)(P–81)



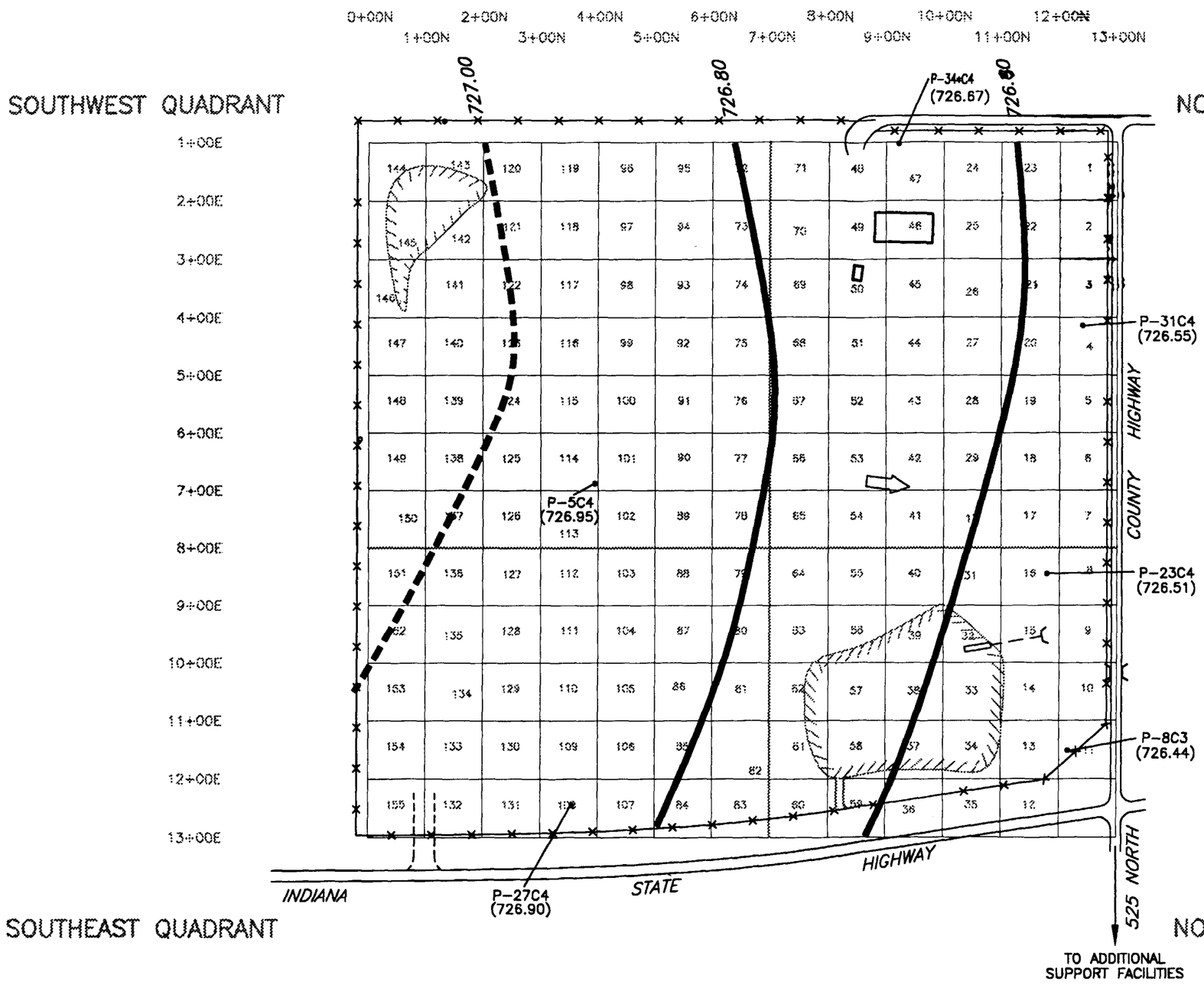
MONITORING WELL CONSTRUCTION DETAILS	
MONITORING WELL	SCREENED INTERVAL (FT. AMSL)
P-5C3	656.4/654.5
P-8C2	644.7/642.8
P-23C2	643.9/642.0
P-24C4	656.8/654.9
P-27C3	650.3/648.4
P-28C3	641.0/639.1
P-30C3	641.0/639.1
P-31C3	648.5/646.5
P-34*C3	646.0/644.1

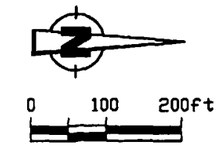
figure G.9

GROUNDWATER CONTOURS–OCTOBER 1995
STRATIGRAPHIC UNIT C : INTERVAL 635–655
FOUR COUNTY LANDFILL SITE
Fulton County, Indiana

CRA

5369(11)–MAY 2, 96–REV.1–(C)(P–82)





SOURCE:
MODIFICATION OF A SITE MAP (4/15/91) OBTAINED FROM GEOSCIENCES RESEARCH ASSOCIATES, INC.

LEGEND

P-31C4 •	PIEZOMETER
155	BLOCK NUMBERS OF GRID
—×—×—	FENCE LINE
(726.55)	GROUNDWATER ELEVATION (ft. AMSL)
726.60 ▬	GROUNDWATER CONTOUR (INTERVAL = 0.2 FT)
⇨	GROUNDWATER FLOW DIRECTION

NOTE: SITE GRID = 100 FEET.

MONITORING WELL CONSTRUCTION DETAILS

MONITORING WELL	SCREENED INTERVAL (FT. AMSL)
P-5C4	610.2/608.3
P-8C3	624.0/622.1
P-23C4	582.4/580.5
P-27C4	601.4/599.5
P-31C4	588.4/586.5
P-34*C4	602.1/600.3

figure G.10

GROUNDWATER CONTOURS–OCTOBER 1995
STRATIGRAPHIC UNIT C : INTERVAL 580–625
FOUR COUNTY LANDFILL SITE
Fulton County, Indiana

CRA

5369(11)–MAY 2, 96–REV.1–(C)(P–83)

APPENDIX H

SUMMARY OF SEDIMENT AND SURFACE WATER ANALYTICAL DATA

Table H.1
Summary of Surface Water Analytical Data
Four County Landfill Site
Fulton County, Indiana

Date Printed: January 29, 1996

Location:		S-1	S-2	S-3	S-4	S-5	S-6	S-6	S-8
Sample I.D.:		SW-KJJ-110	SW-WP-091	SW-WP-092	SW-WP-093	SW-KJJ-111	SW-WP-002	SW-WP-004	SW-WP-039
Date Sampled:		08/30/94	06/15/94	06/15/94	06/15/94	08/30/94	06/04/94	06/04/94	06/04/94
								Dupl.	
Parameters	*Units*								
Semivolatile Organic Compounds									
1,2,4-TRICHLOROBENZENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
1,2-DICHLOROBENZENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
1,3-DICHLOROBENZENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
1,4-DICHLOROBENZENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2,4,5-TRICHLOROPHENOL	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
2,4,6-TRICHLOROPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2,4-DICHLOROPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2,4-DIMETHYLPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2,4-DINITROPHENOL	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
2,4-DINITROTOLUENE	ug/L	ND(10)	ND(10) UJ	ND(10) UJ	ND(10) UJ	ND(10)	ND(10)	ND(10)	ND(10)
2,6-DINITROTOLUENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2-CHLORONAPHTHALENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2-CHLOROPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2-METHYLNAPHTHALENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2-METHYLPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2-NITROANILINE	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
2-NITROPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
3,3'-DICHLOROBENZIDINE	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
3-NITROANILINE	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
4,6-DINITRO-2-METHYLPHENOL	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
4-BROMOPHENYLPHENYL ETHER	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
4-CHLORO-3-METHYLPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
4-CHLOROANILINE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
4-CHLOROPHENYLPHENYL ETHER	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
4-METHYLPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
4-NITROANILINE	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
4-NITROPHENOL	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
ACENAPHTHENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
ACENAPHTHYLENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
ANTHRACENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BENZ(A)ANTHRACENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BENZO(A)PYRENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BENZO(B)FLUORANTHENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BENZO(G,H,I)PERYLENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BENZO(K)FLUORANTHENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BIS(2-CHLOROETHOXY)METHANE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BIS(2-CHLOROETHYL)ETHER	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BIS(2-CHLOROISOPROPYL)ETHER	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BIS(2-ETHYLHEXYL)PHTHALATE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BUTYLBENZYLPHTHALATE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)

Table H.1
Summary of Surface Water Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		S-1	S-2	S-3	S-4	S-5	S-6	S-6	S-8
Sample I.D.:		SW-KJJ-110	SW-WP-091	SW-WP-092	SW-WP-093	SW-KJJ-111	SW-WP-002	SW-WP-004	SW-WP-039
Date Sampled:		08/30/94	06/15/94	06/15/94	06/15/94	08/30/94	06/04/94	06/04/94	06/04/94
								Dupl.	
Parameters	*Units*								
Semivolatile Organic Compounds (Cont'd)									
CARBAZOLE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
CHRYSENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
DI-N-BUTYLPHTHALATE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
DI-N-OCTYLPHTHALATE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
DIBENZ(A,H)ANTHRACENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
DIBENZOFURAN	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
DIETHYLPHTHALATE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
DIMETHYLPHTHALATE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
FLUORANTHENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
FLUORENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
HEXACHLOROBENZENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
HEXACHLOROBUTADIENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
HEXACHLOROCYCLOPENTADIENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
HEXACHLOROETHANE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
INDENO(1,2,3-CD)PYRENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
ISOPHORONE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
N-NITROSO-DI-N-PROPYLAMINE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
N-NITROSODIPHENYLAMINE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
NAPHTHALENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
NITROBENZENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
PENTACHLOROPHENOL	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
PHENANTHRENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
PHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
PYRENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
General Chemistry									
CYANIDE	mg/L	ND(0.005)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.005)	ND(0.01)	ND(0.01)	ND(0.01)
TAL Metals									
ALUMINUM	mg/L	5.8	3.6	4.2	3.1	5.0	1.5	1.6	0.54
ANTIMONY	mg/L	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.030)
ARSENIC	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	0.012	0.012	ND(0.0050)
BARIUM	mg/L	0.040	0.034	0.036	0.030	0.039	0.059	0.059	0.019
BERYLLIUM	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
CADMIUM	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
CALCIUM	mg/L	48	46	47	45	48	73	73	29
CHROMIUM	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
COBALT	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)

Table H.1
Summary of Surface Water Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		S-1	S-2	S-3	S-4	S-5	S-6	S-6	S-8
Sample I.D.:		SW-KJJ-110	SW-WP-091	SW-WP-092	SW-WP-093	SW-KJJ-111	SW-WP-002	SW-WP-004	SW-WP-039
Date Sampled:		08/30/94	06/15/94	06/15/94	06/15/94	08/30/94	06/04/94	06/04/94	06/04/94
								Dupl.	
Parameters	*Units*								
TAL Metals (Cont'd)									
COPPER	mg/L	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)
IRON	mg/L	4.3	3.1	3.5	2.7	4.2	5.1	4.7	1.1
LEAD	mg/L	0.0056	0.0073	0.0036	0.0031	0.0054	0.0058	0.0059	0.0034
MAGNESIUM	mg/L	13	9.9	10	9.7	13	23	23	15
MANGANESE	mg/L	0.061	0.049	0.050	0.050	0.061	1.1	1.1	0.057
MERCURY	mg/L	ND(0.00050)	ND(0.00050)	ND(0.00050)	ND(0.00050)	ND(0.00050)	ND(0.00020)	ND(0.00020)	ND(0.00020)
NICKEL	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	0.013 R	0.013 R	0.016
POTASSIUM	mg/L	5.8	5.7	6.2	5.5	5.7	4.4	4.6	2.0
SELENIUM	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
SILVER	mg/L	ND(0.010)	0.013	0.012	0.013	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
SODIUM	mg/L	6.8	9.0	9.3	8.9	6.8	33	33	4.5
THALLIUM	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
VANADIUM	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
ZINC	mg/L	0.031	0.041 R	0.045 R	0.042 R	0.034	0.052 R	0.037	ND(0.020)
Pesticides									
4,4'-DDD	mg/L	ND(0.0001)	ND(0.0001)	ND(0.0001)	ND(0.0001)	ND(0.0001)	ND(0.0001)	ND(0.0001)	ND(0.0001)
4,4'-DDE	mg/L	ND(0.0001)	ND(0.0001)	ND(0.0001)	ND(0.0001)	ND(0.0001)	ND(0.0001)	ND(0.0001)	ND(0.0001)
4,4'-DDT	mg/L	ND(0.0001)	ND(0.0001)	ND(0.0001)	ND(0.0001)	ND(0.0001)	ND(0.0001)	ND(0.0001)	ND(0.0001)
ALDRIN	mg/L	ND(0.00005)	ND(0.00005)	ND(0.00005)	ND(0.00005)	ND(0.00005)	ND(0.00005)	ND(0.00005)	ND(0.00005)
ALPHA-BHC	mg/L	ND(0.00005)	ND(0.00005)	ND(0.00005)	ND(0.00005)	ND(0.00005)	ND(0.00005)	ND(0.00005)	ND(0.00005)
ALPHA-CHLORDANE	mg/L	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)
AROCHLOR 1016	mg/L	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)
AROCHLOR 1221	mg/L	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)
AROCHLOR 1232	mg/L	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)
AROCHLOR 1242	mg/L	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)
AROCHLOR 1248	mg/L	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)
AROCHLOR 1254	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
AROCHLOR 1260	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
BETA-BHC	mg/L	ND(0.00005)	ND(0.00005)	ND(0.00005)	ND(0.00005)	ND(0.00005)	ND(0.00005)	ND(0.00005)	ND(0.00005)
DELTA-BHC	mg/L	ND(0.00005)	ND(0.00005)	ND(0.00005)	ND(0.00005)	ND(0.00005)	ND(0.00005)	ND(0.00005)	ND(0.00005)
DIELDRIN	mg/L	ND(0.0001)	ND(0.0001)	ND(0.0001)	ND(0.0001)	ND(0.0001)	ND(0.0001)	ND(0.0001)	ND(0.0001)
ENDOSULFAN I	mg/L	ND(0.00005)	ND(0.00005)	ND(0.00005)	ND(0.00005)	ND(0.00005)	ND(0.00005)	ND(0.00005)	ND(0.00005)
ENDOSULFAN II	mg/L	ND(0.0001)	ND(0.0001)	ND(0.0001)	ND(0.0001)	ND(0.0001)	ND(0.0001)	ND(0.0001)	ND(0.0001)
ENDOSULFAN SULFATE	mg/L	ND(0.0001)	ND(0.0001)	ND(0.0001)	ND(0.0001)	ND(0.0001)	ND(0.0001)	ND(0.0001)	ND(0.0001)
ENDRIN	mg/L	ND(0.0001)	ND(0.0001)	ND(0.0001)	ND(0.0001)	ND(0.0001)	ND(0.0001)	ND(0.0001)	ND(0.0001)
ENDRIN ALDEHYDE	mg/L	ND(0.0001)	ND(0.0001)	ND(0.0001)	ND(0.0001)	ND(0.0001)	ND(0.0001)	ND(0.0001)	ND(0.0001)
ENDRIN KETONE	mg/L	ND(0.0001)	ND(0.0001)	ND(0.0001)	ND(0.0001)	ND(0.0001)	ND(0.0001)	ND(0.0001)	ND(0.0001)
GAMMA-BHC (LINDANE)	mg/L	ND(0.00005)	ND(0.00005)	ND(0.00005)	ND(0.00005)	ND(0.00005)	ND(0.00005)	ND(0.00005)	ND(0.00005)

Table H.1
Summary of Surface Water Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		S-1	S-2	S-3	S-4	S-5	S-6	S-6	S-8
Sample I.D.:		SW-KJJ-110	SW-WP-091	SW-WP-092	SW-WP-093	SW-KJJ-111	SW-WP-002	SW-WP-004	SW-WP-039
Date Sampled:		08/30/94	06/15/94	06/15/94	06/15/94	08/30/94	06/04/94	06/04/94	06/04/94
								Dupl.	
Parameters	*Units*								
Pesticides (Cont'd)									
GAMMA-CHLORDANE	mg/L	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)
HEPTACHLOR	mg/L	ND(0.00005)	ND(0.00005)	ND(0.00005)	ND(0.00005)	ND(0.00005)	ND(0.00005)	ND(0.00005)	ND(0.00005)
HEPTACHLOR EPOXIDE	mg/L	ND(0.00005)	ND(0.00005)	ND(0.00005)	ND(0.00005)	ND(0.00005)	ND(0.00005)	ND(0.00005)	ND(0.00005)
METHOXYCHLOR	mg/L	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)
TOXAPHENE	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Volatile Organic Compounds									
1,1,1-TRICHLOROETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,2,2-TETRACHLOROETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,2-TRICHLOROETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DICHLOROETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DICHLOROPROPANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
2-BUTANONE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2-HEXANONE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
4-METHYL-2-PENTANONE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
ACETONE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	16 J	ND(10) UJ	ND(10)
BENZENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
BROMODICHLOROMETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
BROMOFORM	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
BROMOMETHANE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
CARBON DISULFIDE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
CARBON TETRACHLORIDE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
CHLOROBENZENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
CHLOROETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
CHLOROFORM	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
CHLOROMETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
CIS-1,2-DICHLOROETHENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
CIS-1,3-DICHLOROPROPENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
DIBROMOCHLOROMETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
DICHLOROMETHANE	ug/L	ND(2.1) U	ND(1)	ND(1)	ND(1)	ND(1.6) U	ND(1)	ND(1)	ND(1)
ETHYL BENZENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
STYRENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
TETRACHLOROETHENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
TOLUENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
TRANS-1,2-DICHLOROETHENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
TRANS-1,3-DICHLOROPROPENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
TRICHLOROETHENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)

Table H.1
Summary of Surface Water Analytical Data
Four County Landfill Site
Fulton County, Indiana

Date Printed: January 29, 1996

Location:		S-1	S-2	S-3	S-4	S-5	S-6	S-6	S-8
Sample I.D.:		SW-KJJ-110	SW-WP-091	SW-WP-092	SW-WP-093	SW-KJJ-111	SW-WP-002	SW-WP-004	SW-WP-039
Date Sampled:		08/30/94	06/15/94	06/15/94	06/15/94	08/30/94	06/04/94	06/04/94	06/04/94
								Dupl.	
Parameters	*Units*								
Volatile Organic Compounds (Cont'd)									
VINYL CHLORIDE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
XYLENES (TOTAL)	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)

Table H.1
Summary of Surface Water Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		S-10	S-11	S-11	S-15	S-20
Sample I.D.:		SW-WP-099	SW-WP-095	SW-WP-096	SW-KJJ-114	SW-WP-027
Date Sampled:		06/15/94	06/15/94	06/15/94	08/30/94	06/04/94
				Dupl.		
Parameters	*Units*					
Semivolatile Organic Compounds						
1,2,4-TRICHLOROBENZENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
1,2-DICHLOROBENZENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
1,3-DICHLOROBENZENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
1,4-DICHLOROBENZENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2,4,5-TRICHLOROPHENOL	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
2,4,6-TRICHLOROPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2,4-DICHLOROPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2,4-DIMETHYLPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2,4-DINITROPHENOL	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
2,4-DINITROTOLUENE	ug/L	ND(10) UJ	ND(10) UJ	ND(10) UJ	ND(10)	ND(10)
2,6-DINITROTOLUENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2-CHLORONAPHTHALENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2-CHLOROPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2-METHYLNAPHTHALENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2-METHYLPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2-NITROANILINE	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
2-NITROPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
3,3'-DICHLOROBENZIDINE	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
3-NITROANILINE	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
4,6-DINITRO-2-METHYLPHENOL	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
4-BROMOPHENYLPHENYL ETHER	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
4-CHLORO-3-METHYLPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
4-CHLOROANILINE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
4-CHLOROPHENYLPHENYL ETHER	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
4-METHYLPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
4-NITROANILINE	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
4-NITROPHENOL	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
ACENAPHTHENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
ACENAPHTHYLENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
ANTHRACENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BENZ(A)ANTHRACENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BENZO(A)PYRENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BENZO(B)FLUORANTHENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BENZO(G,H,I)PERYLENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BENZO(K)FLUORANTHENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BIS(2-CHLOROETHOXY)METHANE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BIS(2-CHLOROETHYL)ETHER	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BIS(2-CHLOROISOPROPYL)ETHER	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BIS(2-ETHYLHEXYL)PHTHALATE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BUTYLBENZYLPHTHALATE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)

Table H.1
Summary of Surface Water Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		S-10	S-11	S-11	S-15	S-20
Sample I.D.:		SW-WP-099	SW-WP-095	SW-WP-096	SW-KJJ-114	SW-WP-027
Date Sampled:		06/15/94	06/15/94	06/15/94	08/30/94	06/04/94
				Dupl.		
Parameters	*Units*					
Semivolatile Organic Compounds (Cont'd)						
CARBAZOLE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
CHRYSENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
DI-N-BUTYLPHTHALATE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
DI-N-OCTYLPHTHALATE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
DIBENZ(A,H)ANTHRACENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
DIBENZOFURAN	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
DIETHYLPHTHALATE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
DIMETHYLPHTHALATE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
FLUORANTHENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
FLUORENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
HEXACHLOROBENZENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
HEXACHLOROBUTADIENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
HEXACHLOROCYCLOPENTADIENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
HEXACHLOROETHANE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
INDENO(1,2,3-CD)PYRENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
ISOPHORONE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
N-NITROSO-DI-N-PROPYLAMINE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
N-NITROSODIPHENYLAMINE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
NAPHTHALENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
NITROBENZENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
PENTACHLOROPHENOL	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
PHENANTHRENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
PHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
PYRENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
General Chemistry						
CYANIDE	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.005)	ND(0.01)
TAL Metals						
ALUMINUM	mg/L	2.1	0.36	0.40	18	0.21
ANTIMONY	mg/L	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.030)
ARSENIC	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	0.018	ND(0.0050)
BARIUM	mg/L	0.073	0.058	0.058	0.17	0.051
BERYLLIUM	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
CADMIUM	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
CALCIUM	mg/L	50	89	88	63	63
CHROMIUM	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	0.024	ND(0.010)
COBALT	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	0.022	ND(0.010)

Table H.1
Summary of Surface Water Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		S-10	S-11	S-11	S-15	S-20
Sample I.D.:		SW-WP-099	SW-WP-095	SW-WP-096	SW-KJJ-114	SW-WP-027
Date Sampled:		06/15/94	06/15/94	06/15/94	08/30/94	06/04/94
				Dupl.		
Parameters	*Units*					
TAL Metals (Cont'd)						
COPPER	mg/L	ND(0.020)	ND(0.020)	ND(0.020)	0.048 R	ND(0.020)
IRON	mg/L	6.9	3.5	3.7	55	0.65
LEAD	mg/L	0.0068	ND(0.0030)	ND(0.0030)	0.067	ND(0.0030)
MAGNESIUM	mg/L	13	21	21	17	17
MANGANESE	mg/L	0.75	0.68	0.69	1.4	0.15
MERCURY	mg/L	ND(0.00050)	ND(0.00050)	ND(0.00050)	ND(0.00050)	ND(0.00020)
NICKEL	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	0.032	ND(0.010)
POTASSIUM	mg/L	6.3	5.6	5.5	8.6	1.1
SELENIUM	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
SILVER	mg/L	ND(0.010)	0.016 J	ND(0.010) UJ	ND(0.010)	ND(0.010)
SODIUM	mg/L	6.4	21	21	3.7	2.2
THALLIUM	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
VANADIUM	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	0.039	ND(0.010)
ZINC	mg/L	0.077 R	0.81	0.83	0.29 R	ND(0.020)
Pesticides						
4,4'-DDD	mg/L	ND(.001)	ND(0.0001)	ND(0.0001)	ND(0.0001)	ND(0.0001)
4,4'-DDE	mg/L	ND(.001)	ND(0.0001)	ND(0.0001)	ND(0.0001)	ND(0.0001)
4,4'-DDT	mg/L	ND(.001)	ND(0.0001)	ND(0.0001)	ND(0.0001)	ND(0.0001)
ALDRIN	mg/L	ND(.0005)	ND(0.00005)	ND(0.00005)	ND(0.00005)	ND(0.00005)
ALPHA-BHC	mg/L	ND(.0005)	ND(0.00005)	ND(0.00005)	ND(0.00005)	ND(0.00005)
ALPHA-CHLORDANE	mg/L	ND(.005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)
AROCHLOR 1016	mg/L	ND(.005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)
AROCHLOR 1221	mg/L	ND(.005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)
AROCHLOR 1232	mg/L	ND(.005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)
AROCHLOR 1242	mg/L	ND(.005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)
AROCHLOR 1248	mg/L	ND(.005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)
AROCHLOR 1254	mg/L	ND(.01)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
AROCHLOR 1260	mg/L	ND(.01)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
BETA-BHC	mg/L	ND(.0005)	ND(0.00005)	ND(0.00005)	ND(0.00005)	ND(0.00005)
DELTA-BHC	mg/L	ND(.0005)	ND(0.00005)	ND(0.00005)	ND(0.00005)	ND(0.00005)
DIELDRIN	mg/L	ND(.001)	ND(0.0001)	ND(0.0001)	ND(0.0001)	ND(0.0001)
ENDOSULFAN I	mg/L	ND(.0005)	ND(0.00005)	ND(0.00005)	ND(0.00005)	ND(0.00005)
ENDOSULFAN II	mg/L	ND(.001)	ND(0.0001)	ND(0.0001)	ND(0.0001)	ND(0.0001)
ENDOSULFAN SULFATE	mg/L	ND(.001)	ND(0.0001)	ND(0.0001)	ND(0.0001)	ND(0.0001)
ENDRIN	mg/L	ND(.001)	ND(0.0001)	ND(0.0001)	ND(0.0001)	ND(0.0001)
ENDRIN ALDEHYDE	mg/L	ND(.001)	ND(0.0001)	ND(0.0001)	ND(0.0001)	ND(0.0001)
ENDRIN KETONE	mg/L	ND(.001)	ND(0.0001)	ND(0.0001)	ND(0.0001)	ND(0.0001)
GAMMA-BHC (LINDANE)	mg/L	ND(.0005)	ND(0.00005)	ND(0.00005)	ND(0.00005)	ND(0.00005)

Table H.1
Summary of Surface Water Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		S-10	S-11	S-11	S-15	S-20
Sample I.D.:		SW-WP-099	SW-WP-095	SW-WP-096	SW-KJJ-114	SW-WP-027
Date Sampled:		06/15/94	06/15/94	06/15/94	08/30/94	06/04/94
				Dupl.		
Parameters	*Units*					
Pesticides (Cont'd)						
GAMMA-CHLORDANE	mg/L	ND(.005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)
HEPTACHLOR	mg/L	ND(.0005)	ND(0.00005)	ND(0.00005)	ND(0.00005)	ND(0.00005)
HEPTACHLOR EPOXIDE	mg/L	ND(.0005)	ND(0.00005)	ND(0.00005)	ND(0.00005)	ND(0.00005)
METHOXYCHLOR	mg/L	ND(.005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)
TOXAPHENE	mg/L	ND(.01)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Volatile Organic Compounds						
1,1,1-TRICHLOROETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,2,2-TETRACHLOROETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,2-TRICHLOROETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DICHLOROETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DICHLOROPROPANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
2-BUTANONE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2-HEXANONE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
4-METHYL-2-PENTANONE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
ACETONE	ug/L	22	12	13	27	ND(10)
BENZENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
BROMODICHLOROMETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
BROMOFORM	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
BROMOMETHANE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
CARBON DISULFIDE	ug/L	ND(1)	ND(1)	ND(1)	2.3	ND(1)
CARBON TETRACHLORIDE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
CHLOROBENZENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
CHLOROETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
CHLOROFORM	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
CHLOROMETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
CIS-1,2-DICHLOROETHENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
CIS-1,3-DICHLOROPROPENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
DIBROMOCHLOROMETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
DICHLOROMETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(2.3) U	ND(1)
ETHYL BENZENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
STYRENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
TETRACHLOROETHENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
TOLUENE	ug/L	9.6	ND(1)	ND(1)	6.1	ND(1)
TRANS-1,2-DICHLOROETHENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
TRANS-1,3-DICHLOROPROPENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
TRICHLOROETHENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)

Table H.1
Summary of Surface Water Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		S-10	S-11	S-11	S-15	S-20
Sample I.D.:		SW-WP-099	SW-WP-095	SW-WP-096	SW-KJJ-114	SW-WP-027
Date Sampled:		06/15/94	06/15/94	06/15/94	08/30/94	06/04/94
				Dupl.		
Parameters	*Units*					
Volatile Organic Compounds (Cont'd)						
VINYL CHLORIDE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
XYLENES (TOTAL)	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)

Table H.2
Summary of Sediment Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		S-1	S-2	S-3	S-4	S-4	S-5	S-6	S-6
Sample I.D.:		D-WP-014	D-WP-012	D-WP-010	D-WP-006	D-WP-008	D-WP-016	D-WP-002	D-WP-002R
Date Sampled:		06/04/94	06/04/94	06/04/94	06/04/94	06/04/94	06/04/94	06/04/94	06/04/94
						Dupl.			Reanal 1
Parameters	*Units*								
Semivolatile Organic Compounds									
1,2,4-TRICHLOROBENZENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	--
1,2-DICHLOROBENZENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	--
1,3-DICHLOROBENZENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	--
1,4-DICHLOROBENZENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	--
2,4,5-TRICHLOROPHENOL	ug/kg	ND(1600)	ND(1600)	ND(1600)	ND(1600)	ND(1600)	ND(1600)	ND(1600)	--
2,4,6-TRICHLOROPHENOL	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	--
2,4-DICHLOROPHENOL	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	--
2,4-DIMETHYLPHENOL	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	--
2,4-DINITROPHENOL	ug/kg	ND(1600)	ND(1600)	ND(1600)	ND(1600)	ND(1600)	ND(1600)	ND(1600)	--
2,4-DINITROTOLUENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	--
2,6-DINITROTOLUENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	--
2-CHLORONAPHTHALENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	--
2-CHLOROPHENOL	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	--
2-METHYLNAPHTHALENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	--
2-METHYLPHENOL	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	--
2-NITROANILINE	ug/kg	ND(1600)	ND(1600)	ND(1600)	ND(1600)	ND(1600)	ND(1600)	ND(1600)	--
2-NITROPHENOL	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	--
3,3'-DICHLOROBENZIDINE	ug/kg	ND(660)	ND(660)	ND(660)	ND(660)	ND(660)	ND(660)	ND(660)	--
3-NITROANILINE	ug/kg	ND(1600)	ND(1600)	ND(1600)	ND(1600)	ND(1600)	ND(1600)	ND(1600)	--
4,6-DINITRO-2-METHYLPHENOL	ug/kg	ND(1600)	ND(1600)	ND(1600)	ND(1600)	ND(1600)	ND(1600)	ND(1600)	--
4-BROMOPHENYLPHENYL ETHER	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	--
4-CHLORO-3-METHYLPHENOL	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	--
4-CHLOROANILINE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	--
4-CHLOROPHENYLPHENYL ETHER	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	--
4-METHYLPHENOL	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	--
4-NITROANILINE	ug/kg	ND(1600)	ND(1600)	ND(1600)	ND(1600)	ND(1600)	ND(1600)	ND(1600)	--
4-NITROPHENOL	ug/kg	ND(1600)	ND(1600)	ND(1600)	ND(1600)	ND(1600)	ND(1600)	ND(1600)	--
ACENAPHTHENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	--
ACENAPHTHYLENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	--
ANTHRACENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	--
BENZ(A)ANTHRACENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	--
BENZO(A)PYRENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	--
BENZO(B)FLUORANTHENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	--
BENZO(G,H,I)PERYLENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	--
BENZO(K)FLUORANTHENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	--
BIS(2-CHLOROETHOXY)METHANE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	--
BIS(2-CHLOROETHYL)ETHER	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	--
BIS(2-CHLOROISOPROPYL)ETHER	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	--
BIS(2-ETHYLHEXYL)PHTHALATE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	--
BUTYLBENZYLPHTHALATE	ug/kg	ND(330)	410	ND(330)	ND(330)	ND(330)	650	ND(330)	--

Table H.2
Summary of Sediment Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		S-1	S-2	S-3	S-4	S-4	S-5	S-6	S-6
Sample I.D.:		D-WP-014	D-WP-012	D-WP-010	D-WP-006	D-WP-008	D-WP-016	D-WP-002	D-WP-002R
Date Sampled:		06/04/94	06/04/94	06/04/94	06/04/94	06/04/94	06/04/94	06/04/94	06/04/94
						Dupl.			Reanal 1
Parameters	*Units*								
Semivolatile Organic Compounds (Cont'd)									
CARBAZOLE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	--
CHRYSENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	--
DI-N-BUTYLPHTHALATE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	--
DI-N-OCTYLPHTHALATE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	--
DIBENZ(A,H)ANTHRACENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	--
DIBENZOFURAN	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	--
DIETHYLPHTHALATE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	--
DIMETHYLPHTHALATE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	--
FLUORANTHENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	--
FLUORENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	--
HEXACHLOROBENZENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	--
HEXACHLOROBUTADIENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	--
HEXACHLOROCYCLOPENTADIENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	--
HEXACHLOROETHANE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	--
INDENO(1,2,3-CD)PYRENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	--
ISOPHORONE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	--
N-NITROSO-DI-N-PROPYLAMINE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	--
N-NITROSODIPHENYLAMINE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	--
NAPHTHALENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	--
NITROBENZENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	--
PENTACHLOROPHENOL	ug/kg	ND(1600)	ND(1600)	ND(1600)	ND(1600)	ND(1600)	ND(1600)	ND(1600)	--
PHENANTHRENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	--
PHENOL	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	--
PYRENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	--
General Chemistry									
CYANIDE	mg/kg	1.8	1.1	0.74	0.67	0.57	0.58	ND(0.25)	--
SOLIDS	percent	88	75	77	41	75	80	53	--
TAL Metals									
ALUMINUM	mg/kg	5800	11000	12000	11000	9900	13000	10000	--
ANTIMONY	mg/kg	ND(3.0)	ND(30.)	ND(30.)	ND(30.)	ND(30.)	ND(30.)	ND(30.)	--
ARSENIC	mg/kg	4.3	6.5	6.3	5.6	5.7	6.0	4.8	--
BARIUM	mg/kg	20	34	38	39	39	26	41	--
BERYLLIUM	mg/kg	ND(0.50)	0.53	0.53	ND(0.50)	ND(0.50)	0.53	ND(0.50)	--
CADMIUM	mg/kg	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	--
CALCIUM	mg/kg	52000	38000	36000	31000	29000	39000	21000	--
CHROMIUM	mg/kg	13	25	26	28	22	22	20	--

Table H.2
Summary of Sediment Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		S-1	S-2	S-3	S-4	S-4	S-5	S-6	S-6
Sample I.D.:		D-WP-014	D-WP-012	D-WP-010	D-WP-006	D-WP-008	D-WP-016	D-WP-002	D-WP-002R
Date Sampled:		06/04/94	06/04/94	06/04/94	06/04/94	06/04/94	06/04/94	06/04/94	06/04/94
						Dupl.			Reanal 1
Parameters	*Units*								
TAL Metals (Cont'd)									
COBALT	mg/kg	6.3	10	10	6.5 J	10 J	8.7	4.3	--
COPPER	mg/kg	14	24	24	27	25	22	18	--
IRON	mg/kg	13000	23000	22000	21000	21000	20000	15000	--
LEAD	mg/kg	21	28	24	22	23	23	30	--
MAGNESIUM	mg/kg	24000	19000	19000	16000	15000	20000	11000	--
MANGANESE	mg/kg	360	400	380	320	330	380	150	--
MERCURY	mg/kg	ND(0.12)	ND(0.12)	ND(0.12)	ND(0.12)	ND(0.12)	ND(0.12)	ND(0.12)	--
NICKEL	mg/kg	15 R	30	30	34	30	41	17	--
POTASSIUM	mg/kg	1500	2500	3300	3200 J	2200 J	3700	2300	--
SELENIUM	mg/kg	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	--
SILVER	mg/kg	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	--
SODIUM	mg/kg	100 R	100 R	130 R	120 R	100 R	170 R	71 J	--
THALLIUM	mg/kg	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	--
VANADIUM	mg/kg	12	19	21	20	17	22	8.9	--
ZINC	mg/kg	120	150	130	130	130	130	130	--
Pesticides									
4,4'-DDD	mg/kg	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	--
4,4'-DDE	mg/kg	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	--
4,4'-DDT	mg/kg	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	--
ALDRIN	mg/kg	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	--
ALPHA-BHC	mg/kg	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	--
ALPHA-CHLORDANE	mg/kg	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	--
AROCHLOR 1016	mg/kg	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	--
AROCHLOR 1221	mg/kg	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	--
AROCHLOR 1232	mg/kg	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	--
AROCHLOR 1242	mg/kg	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	--
AROCHLOR 1248	mg/kg	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	--
AROCHLOR 1254	mg/kg	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	--
AROCHLOR 1260	mg/kg	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	--
BETA-BHC	mg/kg	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	--
DELTA-BHC	mg/kg	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	--
DIELDRIN	mg/kg	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	--
ENDOSULFAN I	mg/kg	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	--
ENDOSULFAN II	mg/kg	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	--
ENDOSULFAN SULFATE	mg/kg	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	--
ENDRIN	mg/kg	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	--
ENDRIN ALDEHYDE	mg/kg	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	--
ENDRIN KETONE	mg/kg	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	--

Table H.2
Summary of Sediment Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		S-1	S-2	S-3	S-4	S-4	S-5	S-6	S-6
Sample I.D.:		D-WP-014	D-WP-012	D-WP-010	D-WP-006	D-WP-008	D-WP-016	D-WP-002	D-WP-002R
Date Sampled:		06/04/94	06/04/94	06/04/94	06/04/94	06/04/94	06/04/94	06/04/94	06/04/94
						Dupl.			Reanal 1
Parameters	*Units*								
Pesticides (Cont'd)									
GAMMA-BHC (LINDANE)	mg/kg	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	--
GAMMA-CHLORDANE	mg/kg	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	--
HEPTACHLOR	mg/kg	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	--
HEPTACHLOR EPOXIDE	mg/kg	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	--
METHOXYCHLOR	mg/kg	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	--
TOXAPHENE	mg/kg	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	--
Volatile Organic Compounds									
1,1,1-TRICHLOROETHANE	ug/kg	ND(5)	ND(5)	ND(5) UJ	ND(5)	ND(5)	ND(5)	ND(5)	ND(25)
1,1,2,2-TETRACHLOROETHANE	ug/kg	ND(5)	ND(5)	ND(5) UJ	ND(5)	ND(5)	ND(5)	ND(5)	ND(25)
1,1,2-TRICHLOROETHANE	ug/kg	ND(5)	ND(5)	ND(5) UJ	ND(5)	ND(5)	ND(5)	ND(5)	ND(25)
1,1-DICHLOROETHANE	ug/kg	ND(5)	ND(5)	ND(5) UJ	ND(5)	ND(5)	ND(5)	ND(5)	ND(25)
1,1-DICHLOROETHENE	ug/kg	ND(5)	ND(5)	ND(5) UJ	ND(5)	ND(5)	ND(5)	ND(5)	ND(25)
1,2-DICHLOROETHANE	ug/kg	ND(5)	ND(5)	ND(5) UJ	ND(5)	ND(5)	ND(5)	ND(5)	ND(25)
1,2-DICHLOROETHENE	ug/kg	ND(5)	ND(5)	ND(5) UJ	ND(5)	ND(5)	ND(5)	ND(5)	ND(25)
1,2-DICHLOROPROPANE	ug/kg	ND(5)	ND(5)	ND(5) UJ	ND(5)	ND(5)	ND(5)	ND(5)	ND(25)
2-BUTANONE	ug/kg	ND(50)	ND(50)	ND(10) UJ	ND(50)	ND(50)	ND(10)	ND(50)	ND(50)
2-HEXANONE	ug/kg	ND(50)	ND(50)	ND(10) UJ	ND(50)	ND(50)	ND(10)	ND(50)	ND(50)
4-METHYL-2-PENTANONE	ug/kg	ND(50)	ND(50)	ND(10) UJ	ND(50)	ND(50)	ND(10)	ND(50)	ND(50)
ACETONE	ug/kg	34	33	ND(20) UJ	69 J	24 J	ND(20)	410 J	430
BENZENE	ug/kg	ND(5)	ND(5)	ND(5) UJ	ND(5)	ND(5)	ND(5)	ND(5)	ND(25)
BROMODICHLOROMETHANE	ug/kg	ND(5)	ND(5)	ND(5) UJ	ND(5)	ND(5)	ND(5)	ND(5)	ND(25)
BROMOFORM	ug/kg	ND(5)	ND(5)	ND(5) UJ	ND(5)	ND(5)	ND(5)	ND(5)	ND(25)
BROMOMETHANE	ug/kg	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)	ND(10)	ND(50)
CARBON DISULFIDE	ug/kg	ND(5)	ND(5)	ND(5) UJ	ND(5)	ND(5)	ND(5)	ND(5)	ND(25)
CARBON TETRACHLORIDE	ug/kg	ND(5)	ND(5)	ND(5) UJ	ND(5)	ND(5)	ND(5)	ND(5)	ND(25)
CHLOROBENZENE	ug/kg	ND(5)	ND(5)	ND(5) UJ	ND(5)	ND(5)	ND(5)	ND(5)	ND(25)
CHLOROETHANE	ug/kg	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)	ND(10)	ND(50)
CHLOROFORM	ug/kg	ND(5)	ND(5)	ND(5) UJ	ND(5)	ND(5)	ND(5)	ND(5)	ND(25)
CHLOROMETHANE	ug/kg	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)	ND(10)	ND(50)
CIS-1,3-DICHLOROPROPENE	ug/kg	ND(5)	ND(5)	ND(5) UJ	ND(5)	ND(5)	ND(5)	ND(5)	ND(25)
DIBROMOCHLOROMETHANE	ug/kg	ND(5)	ND(5)	ND(5) UJ	ND(5)	ND(5)	ND(5)	ND(5)	ND(25)
DICHLOROMETHANE	ug/kg	15	ND(5)	15 J	8 J	ND(5) UJ	ND(5)	ND(5)	ND(25)
ETHYL BENZENE	ug/kg	ND(5)	ND(5)	ND(5) UJ	ND(5)	ND(5)	ND(5)	ND(5)	ND(25)
STYRENE	ug/kg	ND(5)	ND(5)	ND(5) UJ	ND(5)	ND(5)	ND(5)	ND(5)	ND(25)
TETRACHLOROETHENE	ug/kg	ND(5)	ND(5)	ND(5) UJ	ND(5)	ND(5)	ND(5)	ND(5)	ND(25)
TOLUENE	ug/kg	13	ND(5)	ND(5) UJ	ND(5)	ND(5)	ND(5)	ND(5)	ND(25)
TRANS-1,3-DICHLOROPROPENE	ug/kg	ND(5)	ND(5)	ND(5) UJ	ND(5)	ND(5)	ND(5)	ND(5)	ND(25)
TRICHLOROETHENE	ug/kg	ND(5)	ND(5)	ND(5) UJ	ND(5)	ND(5)	ND(5)	ND(5)	ND(25)

Table H.2
Summary of Sediment Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		S-1	S-2	S-3	S-4	S-4	S-5	S-6	S-6
Sample I.D.:		D-WP-014	D-WP-012	D-WP-010	D-WP-006	D-WP-008	D-WP-016	D-WP-002	D-WP-002R
Date Sampled:		06/04/94	06/04/94	06/04/94	06/04/94	06/04/94	06/04/94	06/04/94	06/04/94
						Dupl.			Reanal 1
Parameters	*Units*								
Volatile Organic Compounds (Cont'd)									
VINYL CHLORIDE	ug/kg	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)	ND(10)	ND(50)
XYLENES (TOTAL)	ug/kg	ND(5)	ND(5)	ND(5) UJ	ND(5)	ND(5)	ND(5)	ND(5)	ND(25)

Table H.2
Summary of Sediment Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		S-7	S-8	S-9	S-10	S-11	S-11	S-12	S-13
Sample I.D.:		D-WP-004	D-WP-041	D-WP-100	D-WP-102	D-WP-097	D-WP-098	D-WP-031	D-WP-033
Date Sampled:		06/04/94	06/04/94	06/15/94	06/15/94	06/15/94	06/15/94	06/04/94	06/04/94
							Dupl.		
Parameters	*Units*								
Semivolatile Organic Compounds									
1,2,4-TRICHLOROBENZENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
1,2-DICHLOROBENZENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
1,3-DICHLOROBENZENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
1,4-DICHLOROBENZENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
2,4,5-TRICHLOROPHENOL	ug/kg	ND(1600)	ND(1600)	ND(1600)	ND(1600)	ND(1600)	ND(1600)	ND(1600)	ND(1600)
2,4,6-TRICHLOROPHENOL	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
2,4-DICHLOROPHENOL	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
2,4-DIMETHYLPHENOL	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
2,4-DINITROPHENOL	ug/kg	ND(1600)	ND(1600)	ND(1600)	ND(1600)	ND(1600)	ND(1600)	ND(1600)	ND(1600)
2,4-DINITROTOLUENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
2,6-DINITROTOLUENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
2-CHLORONAPHTHALENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
2-CHLOROPHENOL	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
2-METHYLNAPHTHALENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
2-METHYLPHENOL	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
2-NITROANILINE	ug/kg	ND(1600)	ND(1600)	ND(1600)	ND(1600)	ND(1600)	ND(1600)	ND(1600)	ND(1600)
2-NITROPHENOL	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
3,3'-DICHLOROBENZIDINE	ug/kg	ND(660)	ND(660)	ND(660)	ND(660)	ND(660)	ND(660)	ND(660)	ND(660)
3-NITROANILINE	ug/kg	ND(1600)	ND(1600)	ND(1600)	ND(1600)	ND(1600)	ND(1600)	ND(1600)	ND(1600)
4,6-DINITRO-2-METHYLPHENOL	ug/kg	ND(1600)	ND(1600)	ND(1600)	ND(1600)	ND(1600)	ND(1600)	ND(1600)	ND(1600)
4-BROMOPHENYLPHENYL ETHER	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
4-CHLORO-3-METHYLPHENOL	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
4-CHLOROANILINE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
4-CHLOROPHENYLPHENYL ETHER	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
4-METHYLPHENOL	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
4-NITROANILINE	ug/kg	ND(1600)	ND(1600)	ND(1600)	ND(1600)	ND(1600)	ND(1600)	ND(1600)	ND(1600)
4-NITROPHENOL	ug/kg	ND(1600)	ND(1600)	ND(1600)	ND(1600)	ND(1600)	ND(1600)	ND(1600)	ND(1600)
ACENAPHTHENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
ACENAPHTHYLENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
ANTHRACENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
BENZ(A)ANTHRACENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
BENZO(A)PYRENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
BENZO(B)FLUORANTHENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
BENZO(G,H,I)PERYLENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
BENZO(K)FLUORANTHENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
BIS(2-CHLOROETHOXY)METHANE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
BIS(2-CHLOROETHYL)ETHER	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
BIS(2-CHLOROISOPROPYL)ETHER	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
BIS(2-ETHYLHEXYL)PHTHALATE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
BUTYLBENZYLPHTHALATE	ug/kg	1100	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)

Table H.2
Summary of Sediment Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		S-7	S-8	S-9	S-10	S-11	S-11	S-12	S-13
Sample I.D.:		D-WP-004	D-WP-041	D-WP-100	D-WP-102	D-WP-097	D-WP-098	D-WP-031	D-WP-033
Date Sampled:		06/04/94	06/04/94	06/15/94	06/15/94	06/15/94	06/15/94	06/04/94	06/04/94
							Dupl.		
Parameters	*Units*								
Semivolatile Organic Compounds (Cont'd)									
CARBAZOLE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
CHRYSENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
DI-N-BUTYLPHTHALATE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
DI-N-OCTYLPHTHALATE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
DIBENZ(A,H)ANTHRACENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
DIBENZOFURAN	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
DIETHYLPHTHALATE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
DIMETHYLPHTHALATE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
FLUORANTHENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
FLUORENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
HEXACHLOROBENZENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
HEXACHLOROBUTADIENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
HEXACHLOROCYCLOPENTADIENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
HEXACHLOROETHANE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
INDENO(1,2,3-CD)PYRENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
ISOPHORONE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
N-NITROSO-DI-N-PROPYLAMINE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
N-NITROSODIPHENYLAMINE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
NAPHTHALENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
NITROBENZENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
PENTACHLOROPHENOL	ug/kg	ND(1600)	ND(1600)	ND(1600)	ND(1600)	ND(1600)	ND(1600)	ND(1600)	ND(1600)
PHENANTHRENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
PHENOL	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
PYRENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
General Chemistry									
CYANIDE	mg/kg	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.50)	ND(0.25)	0.31 R
SOLIDS	percent	52	72	23	26	82	81	82	83
TAL Metals									
ALUMINUM	mg/kg	4100	6900	1000	4300	11000	7700	10000	15000
ANTIMONY	mg/kg	ND(30.)	ND(30.)	ND(30.)	ND(300)	ND(300)	ND(300)	ND(3.0)	ND(150)
ARSENIC	mg/kg	2.8	5.3	0.91	2.1	6.1	5.7	5.9	7.3
BARIUM	mg/kg	22	28	16	50	33	30	67	59
BERYLLIUM	mg/kg	0.79	ND(0.50)	ND(0.50)	ND(0.50)	0.60	ND(0.50)	ND(0.50)	0.79
CADMIUM	mg/kg	ND(2.5)	ND(5.0)	ND(0.50)	ND(0.50)	ND(5.0)	ND(5.0)	ND(2.5)	ND(0.50)
CALCIUM	mg/kg	21000	28000	1400	2200	4200 J	39000 J	25000	21000
CHROMIUM	mg/kg	8.8	13	3.0	7.7	11	11	24	28

Table H.2
Summary of Sediment Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		S-7	S-8	S-9	S-10	S-11	S-11	S-12	S-13
Sample I.D.:		D-WP-004	D-WP-041	D-WP-100	D-WP-102	D-WP-097	D-WP-098	D-WP-031	D-WP-033
Date Sampled:		06/04/94	06/04/94	06/15/94	06/15/94	06/15/94	06/15/94	06/04/94	06/04/94
							Dupl.		
Parameters	*Units*								
TAL Metals (Cont'd)									
COBALT	mg/kg	9.2	8.0	ND(1.0)	2.0	7.3	7.5	9.3	9.8
COPPER	mg/kg	12	16	2.7	7.4	13	12	27	28
IRON	mg/kg	8700	17000	1300	4900	17000	17000	19000	24000
LEAD	mg/kg	10	16	11	24	11	11	36	35
MAGNESIUM	mg/kg	12000	14000	200	550	3800 J	12000 J	13000	13000
MANGANESE	mg/kg	340	350	36 R	43 R	210 J	220 J	1600	670
MERCURY	mg/kg	ND(0.12)	ND(0.12)	ND(0.12)	ND(0.12)	ND(0.12)	ND(0.12)	ND(0.12)	ND(0.12)
NICKEL	mg/kg	12 R	19	1.8	5.5	ND(12) U	ND(12) U	26	27
POTASSIUM	mg/kg	940	1400	140	410	1700	1500	2000	2900
SELENIUM	mg/kg	ND(0.50)	ND(0.50)	ND(0.50)	0.51	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
SILVER	mg/kg	ND(1.0)	ND(1.0)	1.1	1.1	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
SODIUM	mg/kg	120 R	81 R	24 R	43 R	71 R	84 R	240 R	250 R
THALLIUM	mg/kg	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	1.1 J	ND(1.0) UJ	ND(1.0)	ND(1.0)
VANADIUM	mg/kg	19	13	1.8	7.3	21	16	18	26
ZINC	mg/kg	70	81	21 R	40 R	69	62	170	160
Pesticides									
4,4'-DDD	mg/kg	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)
4,4'-DDE	mg/kg	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)
4,4'-DDT	mg/kg	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)
ALDRIN	mg/kg	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)
ALPHA-BHC	mg/kg	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)
ALPHA-CHLORDANE	mg/kg	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)
AROCHLOR 1016	mg/kg	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)
AROCHLOR 1221	mg/kg	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)
AROCHLOR 1232	mg/kg	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)
AROCHLOR 1242	mg/kg	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)
AROCHLOR 1248	mg/kg	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)
AROCHLOR 1254	mg/kg	ND(0.160)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)
AROCHLOR 1260	mg/kg	ND(0.160)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)
BETA-BHC	mg/kg	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)
DELTA-BHC	mg/kg	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)
DIELDRIN	mg/kg	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)
ENDOSULFAN I	mg/kg	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)
ENDOSULFAN II	mg/kg	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)
ENDOSULFAN SULFATE	mg/kg	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)
ENDRIN	mg/kg	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)
ENDRIN ALDEHYDE	mg/kg	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)
ENDRIN KETONE	mg/kg	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)

Table H.2
Summary of Sediment Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		S-7	S-8	S-9	S-10	S-11	S-11	S-12	S-13
Sample I.D.:		D-WP-004	D-WP-041	D-WP-100	D-WP-102	D-WP-097	D-WP-098	D-WP-031	D-WP-033
Date Sampled:		06/04/94	06/04/94	06/15/94	06/15/94	06/15/94	06/15/94	06/04/94	06/04/94
							Dupl.		
Parameters	*Units*								
Pesticides (Cont'd)									
GAMMA-BHC (LINDANE)	mg/kg	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)
GAMMA-CHLORDANE	mg/kg	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)
HEPTACHLOR	mg/kg	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)
HEPTACHLOR EPOXIDE	mg/kg	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)
METHOXYCHLOR	mg/kg	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)
TOXAPHENE	mg/kg	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)
Volatile Organic Compounds									
1,1,1-TRICHLOROETHANE	ug/kg	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
1,1,2,2-TETRACHLOROETHANE	ug/kg	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
1,1,2-TRICHLOROETHANE	ug/kg	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
1,1-DICHLOROETHANE	ug/kg	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
1,1-DICHLOROETHENE	ug/kg	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
1,2-DICHLOROETHANE	ug/kg	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
1,2-DICHLOROETHENE	ug/kg	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
1,2-DICHLOROPROPANE	ug/kg	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
2-BUTANONE	ug/kg	ND(50)	ND(50)	ND(10)	ND(10)	ND(50)	ND(50)	ND(50)	ND(50)
2-HEXANONE	ug/kg	ND(50)	ND(50)	ND(10)	ND(10)	ND(50)	ND(50)	ND(50)	ND(50)
4-METHYL-2-PENTANONE	ug/kg	ND(50)	ND(50)	19	ND(10)	ND(50)	ND(50)	ND(50)	ND(50)
ACETONE	ug/kg	ND(50)	31	32	29	ND(50)	ND(50)	ND(20)	ND(20)
BENZENE	ug/kg	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
BROMODICHLOROMETHANE	ug/kg	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
BROMOFORM	ug/kg	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
BROMOMETHANE	ug/kg	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
CARBON DISULFIDE	ug/kg	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
CARBON TETRACHLORIDE	ug/kg	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
CHLOROBENZENE	ug/kg	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
CHLOROETHANE	ug/kg	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
CHLOROFORM	ug/kg	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
CHLOROMETHANE	ug/kg	ND(10)	ND(10)	ND(5)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
CIS-1,3-DICHLOROPROPENE	ug/kg	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
DIBROMOCHLOROMETHANE	ug/kg	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
DICHLOROMETHANE	ug/kg	12	ND(5)	ND(5)	ND(5)	9 J	22 J	6	9
ETHYL BENZENE	ug/kg	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
STYRENE	ug/kg	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
TETRACHLOROETHENE	ug/kg	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
TOLUENE	ug/kg	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
TRANS-1,3-DICHLOROPROPENE	ug/kg	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
TRICHLOROETHENE	ug/kg	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)

Table H.2
Summary of Sediment Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		S-7	S-8	S-9	S-10	S-11	S-11	S-12	S-13
Sample I.D.:		D-WP-004	D-WP-041	D-WP-100	D-WP-102	D-WP-097	D-WP-098	D-WP-031	D-WP-033
Date Sampled:		06/04/94	06/04/94	06/15/94	06/15/94	06/15/94	06/15/94	06/04/94	06/04/94
							Dupl.		
Parameters	*Units*								
Volatile Organic Compounds (Cont'd)									
VINYL CHLORIDE	ug/kg	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
XYLENES (TOTAL)	ug/kg	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)

Table H.2
Summary of Sediment Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		S-14	S-15	S-16	S-17	S-18	S-19	S-20
Sample I.D.:		D-WP-037	D-KJJ-113	D-WP-104	D-KJJ-109	D-KJJ-107	D-KJJ-108	D-WP-029
Date Sampled:		06/04/94	08/30/94	06/15/94	08/30/94	08/30/94	08/30/94	06/04/94
Parameters	*Units*							
Semivolatile Organic Compounds								
1,2,4-TRICHLOROBENZENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(1600)	ND(330)
1,2-DICHLOROBENZENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(1600)	ND(330)
1,3-DICHLOROBENZENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(1600)	ND(330)
1,4-DICHLOROBENZENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(1600)	ND(330)
2,4,5-TRICHLOROPHENOL	ug/kg	ND(1600)	ND(330)	ND(1600)	ND(330)	ND(330)	ND(8000)	ND(1600)
2,4,6-TRICHLOROPHENOL	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(1600)	ND(330)
2,4-DICHLOROPHENOL	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(1600)	ND(330)
2,4-DIMETHYLPHENOL	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(1600)	ND(330)
2,4-DINITROPHENOL	ug/kg	ND(1600)	ND(1600)	ND(1600)	ND(1600)	ND(1600)	ND(8000)	ND(1600)
2,4-DINITROTOLUENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(1600)	ND(330)
2,6-DINITROTOLUENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(1600)	ND(330)
2-CHLORONAPHTHALENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(1600)	ND(330)
2-CHLOROPHENOL	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(1600)	ND(330)
2-METHYLNAPHTHALENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(1600)	ND(330)
2-METHYLPHENOL	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(1600)	ND(330)
2-NITROANILINE	ug/kg	ND(1600)	ND(1600)	ND(1600)	ND(1600)	ND(1600)	ND(8000)	ND(1600)
2-NITROPHENOL	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(1600)	ND(330)
3,3'-DICHLOROBENZIDINE	ug/kg	ND(660)	ND(660)	ND(660)	ND(660)	ND(660)	ND(3300)	ND(660)
3-NITROANILINE	ug/kg	ND(1600)	ND(1600)	ND(1600)	ND(1600)	ND(1600)	ND(8000)	ND(1600)
4,6-DINITRO-2-METHYLPHENOL	ug/kg	ND(1600)	ND(1600)	ND(1600)	ND(1600)	ND(1600)	ND(8000)	ND(1600)
4-BROMOPHENYLPHENYL ETHER	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(1600)	ND(330)
4-CHLORO-3-METHYLPHENOL	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(1600)	ND(330)
4-CHLOROANILINE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(1600)	ND(330)
4-CHLOROPHENYLPHENYL ETHER	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(1600)	ND(330)
4-METHYLPHENOL	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(1600)	ND(330)
4-NITROANILINE	ug/kg	ND(1600)	ND(1600)	ND(1600)	ND(1600)	ND(1600)	ND(8000)	ND(1600)
4-NITROPHENOL	ug/kg	ND(1600)	ND(1600)	ND(1600)	ND(1600)	ND(1600)	ND(8000)	ND(1600)
ACENAPHTHENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(1600)	ND(330)
ACENAPHTHYLENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(1600)	ND(330)
ANTHRACENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(1600)	ND(330)
BENZ(A)ANTHRACENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(1600)	ND(330)
BENZO(A)PYRENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(1600)	ND(330)
BENZO(B)FLUORANTHENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(1600)	ND(330)
BENZO(G,H,I)PERYLENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(1600)	ND(330)
BENZO(K)FLUORANTHENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(1600)	ND(330)
BIS(2-CHLOROETHOXY)METHANE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(1600)	ND(330)
BIS(2-CHLOROETHYL)ETHER	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(1600)	ND(330)
BIS(2-CHLOROISOPROPYL)ETHER	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(1600)	ND(330)
BIS(2-ETHYLHEXYL)PHTHALATE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(1600)	ND(330)
BUTYLBENZYLPHTHALATE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(1600)	ND(330)

Table H.2
Summary of Sediment Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		S-14	S-15	S-16	S-17	S-18	S-19	S-20
Sample I.D.:		D-WP-037	D-KJJ-113	D-WP-104	D-KJJ-109	D-KJJ-107	D-KJJ-108	D-WP-029
Date Sampled:		06/04/94	08/30/94	06/15/94	08/30/94	08/30/94	08/30/94	06/04/94
Parameters	*Units*							
Semivolatile Organic Compounds (Cont'd)								
CARBAZOLE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(1600)	ND(330)
CHRYSENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(1600)	ND(330)
DI-N-BUTYLPHTHALATE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(1600)	ND(330)
DI-N-OCTYLPHTHALATE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(1600)	ND(330)
DIBENZ(A,H)ANTHRACENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(1600)	ND(330)
DIBENZOFURAN	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(1600)	ND(330)
DIETHYLPHTHALATE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(1600)	ND(330)
DIMETHYLPHTHALATE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(1600)	ND(330)
FLUORANTHENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(1600)	ND(330)
FLUORENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(1600)	ND(330)
HEXACHLOROBENZENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(1600)	ND(330)
HEXACHLOROBUTADIENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(1600)	ND(330)
HEXACHLOROCYCLOPENTADIENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(1600)	ND(330)
HEXACHLOROETHANE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(1600)	ND(330)
INDENO(1,2,3-CD)PYRENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(1600)	ND(330)
ISOPHORONE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(1600)	ND(330)
N-NITROSO-DI-N-PROPYLAMINE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(1600)	ND(330)
N-NITROSODIPHENYLAMINE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(1600)	ND(330)
NAPHTHALENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(1600)	ND(330)
NITROBENZENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(1600)	ND(330)
PENTACHLOROPHENOL	ug/kg	ND(1600)	ND(1600)	ND(1600)	ND(1600)	ND(1600)	ND(8000)	ND(1600)
PHENANTHRENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(1600)	ND(330)
PHENOL	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(1600)	ND(330)
PYRENE	ug/kg	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(1600)	ND(330)
General Chemistry								
CYANIDE	mg/kg	ND(0.25)	ND(0.12)	ND(0.25)	0.18	ND(0.12)	0.18	ND(0.25)
SOLIDS	percent	69	85	84	77	84	76	38
TAL Metals								
ALUMINUM	mg/kg	11000	3000	7900	9200	11000	9100	3000
ANTIMONY	mg/kg	ND(150)	ND(3.0) UJ	ND(60.)	3.2 J	6.7 J	3.8 J	ND(3.0)
ARSENIC	mg/kg	5.2	1.7	4.6	4.1	6.6	5.3	0.60
BARIUM	mg/kg	54	37	57	56	50	64	25
BERYLLIUM	mg/kg	ND(0.50)	ND(0.50) UJ	ND(1.0)	0.55 J	0.66 J	0.53 J	ND(0.50)
CADMIUM	mg/kg	ND(0.50)	ND(0.50)	ND(2.0)	0.67	1.3	0.95	ND(2.5)
CALCIUM	mg/kg	9100	760	840	1900	17000	4600	7300
CHROMIUM	mg/kg	20	4.3	11	13	22	16	6.3

Table H.2
Summary of Sediment Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		S-14	S-15	S-16	S-17	S-18	S-19	S-20
Sample I.D.:		D-WP-037	D-KJJ-113	D-WP-104	D-KJJ-109	D-KJJ-107	D-KJJ-108	D-WP-029
Date Sampled:		06/04/94	08/30/94	06/15/94	08/30/94	08/30/94	08/30/94	06/04/94
Parameters	*Units*							
TAL Metals (Cont'd)								
COBALT	mg/kg	7.4	2.5	5.1	5.8	8.9	8.0	2.7
COPPER	mg/kg	19	2.0	4.9	9.9	16	14	ND(10.)
IRON	mg/kg	16000	5000	5900	14000	21000	18000	4000
LEAD	mg/kg	26	9.7	18 J	14	27	22	6.5
MAGNESIUM	mg/kg	6600	500	1100	1900	9300	3600	2600
MANGANESE	mg/kg	430	340	650	140	410	280	65
MERCURY	mg/kg	ND(0.12)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.12)
NICKEL	mg/kg	19	4.0	9.1	13	25	18	8.8 R
POTASSIUM	mg/kg	2000	320 R	390	860 J	1900 J	1200 J	420
SELENIUM	mg/kg	ND(0.50)	0.61	ND(1.0)	0.54	ND(0.50)	0.59	0.74
SILVER	mg/kg	ND(1.0)	ND(1.0)	ND(2.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
SODIUM	mg/kg	150 R	89 R	59 R	110 R	130 R	140 R	31 R
THALLIUM	mg/kg	ND(1.0)	ND(1.0)	ND(2.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
VANADIUM	mg/kg	20	6.9	22	20	20	19	6.9
ZINC	mg/kg	120	22 R	40	47 R	140	100	33 R
Pesticides								
4,4'-DDD	mg/kg	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)
4,4'-DDE	mg/kg	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)
4,4'-DDT	mg/kg	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)
ALDRIN	mg/kg	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)
ALPHA-BHC	mg/kg	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)
ALPHA-CHLORDANE	mg/kg	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)
AROCHLOR 1016	mg/kg	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)
AROCHLOR 1221	mg/kg	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)
AROCHLOR 1232	mg/kg	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)
AROCHLOR 1242	mg/kg	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)
AROCHLOR 1248	mg/kg	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)
AROCHLOR 1254	mg/kg	ND(0.16)	ND(0.160)	ND(0.16)	ND(0.160)	ND(0.160)	ND(0.160)	ND(0.16)
AROCHLOR 1260	mg/kg	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)
BETA-BHC	mg/kg	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)
DELTA-BHC	mg/kg	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)
DIELDRIN	mg/kg	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)
ENDOSULFAN I	mg/kg	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)
ENDOSULFAN II	mg/kg	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)
ENDOSULFAN SULFATE	mg/kg	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)
ENDRIN	mg/kg	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)
ENDRIN ALDEHYDE	mg/kg	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)
ENDRIN KETONE	mg/kg	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)

Table H.2
Summary of Sediment Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		S-14	S-15	S-16	S-17	S-18	S-19	S-20
Sample I.D.:		D-WP-037	D-KJJ-113	D-WP-104	D-KJJ-109	D-KJJ-107	D-KJJ-108	D-WP-029
Date Sampled:		06/04/94	08/30/94	06/15/94	08/30/94	08/30/94	08/30/94	06/04/94
Parameters	*Units*							
Pesticides (Cont'd)								
GAMMA-BHC (LINDANE)	mg/kg	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)
GAMMA-CHLORDANE	mg/kg	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)
HEPTACHLOR	mg/kg	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)
HEPTACHLOR EPOXIDE	mg/kg	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)	ND(0.0080)
METHOXYCHLOR	mg/kg	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)
TOXAPHENE	mg/kg	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)
Volatile Organic Compounds								
1,1,1-TRICHLOROETHANE	ug/kg	ND(5)	ND(5) UJ	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
1,1,2,2-TETRACHLOROETHANE	ug/kg	ND(5)	ND(5) UJ	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
1,1,2-TRICHLOROETHANE	ug/kg	ND(5)	ND(5) UJ	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
1,1-DICHLOROETHANE	ug/kg	ND(5)	ND(5) UJ	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
1,1-DICHLOROETHENE	ug/kg	ND(5)	ND(5) UJ	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
1,2-DICHLOROETHANE	ug/kg	ND(5)	ND(5) UJ	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
1,2-DICHLOROETHENE	ug/kg	ND(5)	ND(5) UJ	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
1,2-DICHLOROPROPANE	ug/kg	ND(5)	ND(5) UJ	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
2-BUTANONE	ug/kg	ND(10)	ND(50) UJ	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
2-HEXANONE	ug/kg	ND(10)	ND(50) UJ	ND(50)	ND(50) UJ	ND(50)	ND(50)	ND(50)
4-METHYL-2-PENTANONE	ug/kg	ND(10)	ND(50) UJ	ND(50)	ND(50) UJ	ND(50)	ND(50)	ND(50)
ACETONE	ug/kg	ND(20)	ND(50) UJ	ND(50)	ND(50)	ND(50)	ND(50)	49
BENZENE	ug/kg	ND(5)	ND(5) UJ	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
BROMODICHLOROMETHANE	ug/kg	ND(5)	ND(5) UJ	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
BROMOFORM	ug/kg	ND(5)	ND(5) UJ	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
BROMOMETHANE	ug/kg	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
CARBON DISULFIDE	ug/kg	ND(5)	ND(5) UJ	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
CARBON TETRACHLORIDE	ug/kg	ND(5)	ND(5) UJ	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
CHLOROBENZENE	ug/kg	ND(5)	ND(5) UJ	ND(5)	ND(5) UJ	ND(5)	ND(5)	ND(5)
CHLOROETHANE	ug/kg	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
CHLOROFORM	ug/kg	ND(5)	ND(5) UJ	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
CHLOROMETHANE	ug/kg	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
CIS-1,3-DICHLOROPROPENE	ug/kg	ND(5)	ND(5) UJ	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
DIBROMOCHLOROMETHANE	ug/kg	ND(5)	ND(5) UJ	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
DICHLOROMETHANE	ug/kg	ND(5)	ND(5) UJ	15	6	ND(5)	8	ND(5)
ETHYL BENZENE	ug/kg	ND(5)	ND(5) UJ	ND(5)	ND(5) UJ	ND(5)	ND(5)	ND(5)
STYRENE	ug/kg	ND(5)	ND(5) UJ	ND(5)	ND(5) UJ	ND(5)	ND(5)	ND(5)
TETRACHLOROETHENE	ug/kg	ND(5)	ND(5) UJ	ND(5)	ND(5) UJ	ND(5)	ND(5)	ND(5)
TOLUENE	ug/kg	ND(5)	ND(5) UJ	ND(5)	ND(5) UJ	ND(5)	ND(5)	ND(5)
TRANS-1,3-DICHLOROPROPENE	ug/kg	ND(5)	ND(5) UJ	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
TRICHLOROETHENE	ug/kg	ND(5)	ND(5) UJ	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)

Table H.2
Summary of Sediment Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		S-14	S-15	S-16	S-17	S-18	S-19	S-20
Sample I.D.:		D-WP-037	D-KJJ-113	D-WP-104	D-KJJ-109	D-KJJ-107	D-KJJ-108	D-WP-029
Date Sampled:		06/04/94	08/30/94	06/15/94	08/30/94	08/30/94	08/30/94	06/04/94
Parameters	*Units*							
Volatile Organic Compounds (Cont'd)								
VINYL CHLORIDE	ug/kg	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
XYLENES (TOTAL)	ug/kg	ND(5)	ND(5) UJ	ND(5)	ND(5) UJ	ND(5)	ND(5)	ND(5)

LEGEND

Organic Data Qualifiers

Data Validation Qualifiers

- J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- U( ) - The analyte was analyzed for, but was not detected above the reported sample quantitation limit (in parentheses).
- R - The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.
- N - The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative idenitification".
- NJ - The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
- UJ - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- NS - Not sampled.

Laboratory Qualifiers

- J - Indicates that the compound was analyzed for and determined to be present in the sample. The mass spectrum of the compound meets the identification criteria of the method. The concentration listed is an estimated value, which is less than the specified minimum detection limit but is greater than zero.
- B - This flag is used when the analyte is found in the blanks as well as the sample. It indicates possible sample contamination and warns the data user to use caution when applying the results of this analyte.
- N - Indicates that the compound was analyzed for but not requested as an analyte. Value will not be listed on tabular result sheet.
- S - Estimated due to surrogate outliers.
- A - This flag indicates that a TIC is a suspected aldol condensation product.
- E - Indicates that it exceeds calibration curve range.
- D - This flag identifies all compounds identified in an analysis at a secondary dilution factor.

Inorganic and Indicator Parameter Data Qualifiers

Data Validation Qualifiers

- U( ) - The analyte was analyzed for but was not detected above the level of the associated value in parentheses. The associated value is the Instrument Detection Limit (IDL) for all analytes except Cyanide (CN) and Mercury (Hg). For CN and Hg, the associated value is the Contract Required Detection Limit (CRDL)
- J - The analyte was analyzed for and was positively identified, but the associated numerical value may not be consistent with the amount actually present in the environmental sample.
- R - The analyte was analyzed for, but the presence or absence of the analyte has not been verified. Resampling and reanalyses are necessary to confirm or deny the presence of the analyte.
- UJ - A combination of the "U" and the "J" qualifier. The analyte was analyzed for but was not detected above the level of the associated value. The associated value may not accurately or precisely represent the sample detection limit.
- NS - Not sampled.

Laboratory Qualifiers

- B - The reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but was greater than or equal to the Instrument Detection Limit (IDL).
- E - The reported value is estimated because of the presence of interference.
- M - Duplicate injection precision not met.
- N - Spiked sample recovery not within control limits.
- S - The reported value was determined by the Method of Standard Additions (MSA).
- W - Post-digestion spike for Furnace AA analysis is out of control limits (85-115%), while the sample absorbance is less than 50% of spike absorbance.
- * - Duplicate analysis not within control limits.
- + - Correlation coefficient for the MSA is less than 0.995.

APPENDIX I

GROUNDWATER ANALYTICAL DATA SUMMARY TABLES

TABLE I.1

Date Printed: January 31, 1996

Summary of Groundwater VOC Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		MW-8	MW-20	MW-21L	MW-21M	MW-21M	MW-21S	MW-21S	MW-23B
Sample I.D.:		GW-WP-087	GW-WP-055	GW-WP-025	GW-WP-003	GW-WP-005	GW-WP-013	GW-WP-015	GW-WP-026
Date Sampled:		06/08/94	06/06/94	06/03/94	06/01/94	06/01/94	06/02/94	06/02/94	06/03/94
						Dupl.		Dupl.	
Parameters	*Units*								
Volatile Organic Compounds									
1,1,1-TRICHLOROETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,2,2-TETRACHLOROETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,2-TRICHLOROETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DICHLOROETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DICHLOROPROPANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
2-BUTANONE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2-HEXANONE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
4-METHYL-2-PENTANONE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
ACETONE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BENZENE	ug/L	ND(1) UJ	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
BROMODICHLOROMETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
BROMOFORM	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
BROMOMETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
CARBON DISULFIDE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
CARBON TETRACHLORIDE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
CHLOROBENZENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
CHLOROETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
CHLOROFORM	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
CHLOROMETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
CIS-1,2-DICHLOROETHENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
CIS-1,3-DICHLOROPROPENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
DIBROMOCHLOROMETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
DICHLOROMETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
ETHYL BENZENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
STYRENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
TETRACHLOROETHENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
TOLUENE	ug/L	ND(1) UJ	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
TRANS-1,2-DICHLOROETHENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
TRANS-1,3-DICHLOROPROPENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
TRICHLOROETHENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
VINYL CHLORIDE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
XYLENES (TOTAL)	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)

TABLE I.1

Summary of Groundwater VOC Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		MW-24B	MW-25B	MW-26	MW-26	MW-27B	MW-28B	MW-29B	MW-30B
Sample I.D.:		GW-WP-048	GW-WP-007	GW-WP-066	GW-WP-068	GW-WP-010	GW-WP-020	GW-WP-023	GW-WP-032
Date Sampled:		06/06/94	06/01/94	06/08/94	06/08/94	06/01/94	06/02/94	06/03/94	06/05/94
					Dupl.				
Parameters	*Units*								
Volatile Organic Compounds									
1,1,1-TRICHLOROETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,2,2-TETRACHLOROETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,2-TRICHLOROETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	6.1	ND(1)
1,1-DICHLOROETHENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DICHLOROETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	2.0	ND(1)
1,2-DICHLOROPROPANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
2-BUTANONE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2-HEXANONE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
4-METHYL-2-PENTANONE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
ACETONE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BENZENE	ug/L	ND(1)	ND(1)	ND(1) UJ	ND(1) UJ	ND(1)	ND(1)	ND(1)	ND(1)
BROMODICHLOROMETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
BROMOFORM	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
BROMOMETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
CARBON DISULFIDE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
CARBON TETRACHLORIDE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
CHLOROBENZENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
CHLOROETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	9.7	ND(1)
CHLOROFORM	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
CHLOROMETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
CIS-1,2-DICHLOROETHENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
CIS-1,3-DICHLOROPROPENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
DIBROMOCHLOROMETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
DICHLOROMETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
ETHYL BENZENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
STYRENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
TETRACHLOROETHENE	ug/L	ND(1)	ND(1)	2.7 J	3.8 J	ND(1)	ND(1)	ND(1)	ND(1)
TOLUENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
TRANS-1,2-DICHLOROETHENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
TRANS-1,3-DICHLOROPROPENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
TRICHLOROETHENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
VINYL CHLORIDE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
XYLENES (TOTAL)	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)

TABLE I.1

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Summary of Groundwater VOC Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		MW-31B	MW-32B	MW-33B	MW-33B	P-1	P-1A	P-2A	P-2A
Sample I.D.:		GW-WP-052	GW-WP-058	GW-WP-074	GW-WP-076	GW-WP-088	GW-WP-044	GW-WP-054	GW-WP-056
Date Sampled:		06/06/94	06/07/94	06/08/94	06/08/94	06/15/94	06/08/94	06/07/94	06/07/94
					Dupl.				Dupl.
Parameters	*Units*								
Volatile Organic Compounds									
1,1,1-TRICHLOROETHANE	ug/L	ND(1)	ND(1) UJ	ND(1) UJ	ND(1)	ND(1)	ND(1)	ND(5000)	ND(5000)
1,1,2,2-TETRACHLOROETHANE	ug/L	ND(1)	ND(1) UJ	ND(1) UJ	ND(1)	ND(1)	ND(1)	ND(5000)	ND(5000)
1,1,2-TRICHLOROETHANE	ug/L	ND(1)	ND(1) UJ	ND(1) UJ	ND(1)	ND(1)	ND(1)	18000 J	11000 J
1,1-DICHLOROETHANE	ug/L	ND(1)	ND(1) UJ	ND(1) UJ	ND(1)	ND(1)	ND(1)	ND(5000)	ND(5000)
1,1-DICHLOROETHENE	ug/L	ND(1)	ND(1) UJ	ND(1) UJ	ND(1)	ND(1)	ND(1)	ND(5000)	ND(5000)
1,2-DICHLOROETHANE	ug/L	ND(1)	ND(4.1) U	3.4 J	6.1 J	ND(1)	ND(1) J	630000 J	380000 J
1,2-DICHLOROPROPANE	ug/L	ND(1)	ND(1) UJ	ND(1) UJ	ND(1)	ND(1)	ND(1)	ND(5000)	ND(5000)
2-BUTANONE	ug/L	ND(10)	ND(10) UJ	ND(10) UJ	ND(10)	ND(10)	ND(10)	ND(50000)	ND(50000)
2-HEXANONE	ug/L	ND(10)	ND(10) UJ	ND(10) UJ	ND(10)	ND(10)	ND(10)	ND(50000)	ND(50000)
4-METHYL-2-PENTANONE	ug/L	ND(10)	ND(10) UJ	ND(10) UJ	ND(10)	ND(10)	ND(10)	20000 J	ND(50000) UJ
ACETONE	ug/L	ND(10)	ND(10) UJ	210 J	35	33	ND(10)	ND(50000)	ND(50000)
BENZENE	ug/L	ND(1)	ND(1.6) U	ND(1) UJ	ND(1)	ND(1)	ND(1) UJ	750000 J	520000 J
BROMODICHLOROMETHANE	ug/L	ND(1)	ND(1) UJ	ND(1) UJ	ND(1)	ND(1)	ND(1)	ND(5000)	ND(5000)
BROMOFORM	ug/L	ND(1)	ND(1) UJ	ND(1) UJ	ND(1)	ND(1)	ND(1)	ND(5000)	ND(5000)
BROMOMETHANE	ug/L	ND(1)	ND(1) UJ	ND(1) UJ	ND(1)	ND(1)	ND(1)	ND(5000)	ND(5000)
CARBON DISULFIDE	ug/L	ND(1)	ND(1) UJ	ND(1) UJ	ND(1)	ND(1)	ND(1)	ND(5000)	ND(5000)
CARBON TETRACHLORIDE	ug/L	ND(1)	ND(1) UJ	ND(1) UJ	ND(1)	ND(1)	ND(1)	ND(5000)	ND(5000)
CHLOROBENZENE	ug/L	ND(1)	ND(1) UJ	ND(1) UJ	ND(1)	ND(1)	ND(1)	ND(5000)	ND(5000)
CHLOROETHANE	ug/L	ND(1)	ND(1) UJ	ND(1) UJ	ND(1)	ND(1)	ND(1)	ND(5000)	ND(5000)
CHLOROFORM	ug/L	ND(1)	ND(1) UJ	1.4 J	ND(1)	ND(1)	ND(1)	180000 J	120000 J
CHLOROMETHANE	ug/L	ND(1)	ND(1) UJ	ND(1) UJ	ND(1)	ND(1)	ND(1)	ND(5000)	ND(5000)
CIS-1,2-DICHLOROETHENE	ug/L	ND(1)	ND(1) UJ	ND(1) UJ	ND(1)	ND(1)	ND(1)	ND(5000)	ND(5000)
CIS-1,3-DICHLOROPROPENE	ug/L	ND(1)	ND(1) UJ	ND(1) UJ	ND(1)	ND(1)	ND(1)	ND(5000)	ND(5000)
DIBROMOCHLOROMETHANE	ug/L	ND(1)	ND(1) UJ	ND(1) UJ	ND(1)	ND(1)	ND(1)	ND(5000)	ND(5000)
DICHLOROMETHANE	ug/L	ND(1)	ND(1.0) U	ND(1) UJ	ND(1)	ND(1)	ND(1)	21000 J	210000 J
ETHYL BENZENE	ug/L	ND(1)	ND(1) UJ	ND(1) UJ	ND(1)	ND(1)	ND(1)	ND(5000)	ND(5000)
STYRENE	ug/L	ND(1)	ND(1) UJ	ND(1) UJ	ND(1)	ND(1)	ND(1)	ND(5000)	ND(5000)
TETRACHLOROETHENE	ug/L	ND(1)	ND(1) UJ	ND(1) UJ	ND(1)	ND(1)	ND(1)	8100 J	5100 J
TOLUENE	ug/L	ND(1)	ND(1) UJ	ND(1) UJ	ND(1)	ND(1)	ND(1)	32000 J	20000 J
TRANS-1,2-DICHLOROETHENE	ug/L	ND(1)	ND(1) UJ	ND(1) UJ	ND(1)	ND(1)	ND(1)	ND(5000)	ND(5000)
TRANS-1,3-DICHLOROPROPENE	ug/L	ND(1)	ND(1) UJ	ND(1) UJ	ND(1)	ND(1)	ND(1)	ND(5000)	ND(5000)
TRICHLOROETHENE	ug/L	ND(1)	ND(1) UJ	ND(1) UJ	ND(1)	ND(1)	ND(1)	ND(5000)	ND(5000)
VINYL CHLORIDE	ug/L	ND(1)	ND(1) UJ	ND(1) UJ	ND(1)	ND(1)	ND(1)	ND(5000)	ND(5000)
XYLENES (TOTAL)	ug/L	ND(1)	ND(1) UJ	ND(1) UJ	ND(1)	ND(1)	ND(1)	ND(5000)	ND(5000)

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Summary of Groundwater VOC Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		P-2B	P-2B DIL	P-2C2	P-2C2 DIL	P-4B	P-4C1	P-4C2	P-4C3
Sample I.D.:		GW-WP-079	GW-WP-079	GW-WP-081	GW-WP-081	GW-WP-004	GW-WP-006	GW-WP-008	GW-SC-49
Date Sampled:		06/08/94	06/08/94	06/08/94	06/08/94	06/01/94	06/01/94	06/01/94	10/19/95
Parameters	*Units*								
Volatile Organic Compounds									
1,1,1-TRICHLOROETHANE	ug/L	ND(1)	ND(50)	ND(1) UJ	ND(500) UJ	ND(1)	ND(1)	ND(1)	ND(1)
1,1,2,2-TETRACHLOROETHANE	ug/L	ND(1)	ND(50)	ND(1) UJ	ND(500) UJ	ND(1)	ND(1)	ND(1)	ND(1)
1,1,2-TRICHLOROETHANE	ug/L	1.7	ND(50)	5.1 J	ND(500) UJ	ND(1)	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHANE	ug/L	ND(1)	ND(50)	ND(1) UJ	ND(500) UJ	ND(1)	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHENE	ug/L	ND(1)	ND(50)	ND(1) UJ	ND(500) UJ	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DICHLOROETHANE	ug/L	230 J	120	2000 J	1300 J	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DICHLOROPROPANE	ug/L	ND(1)	ND(50)	ND(1) UJ	ND(500) UJ	ND(1)	ND(1)	ND(1)	ND(1)
2-BUTANONE	ug/L	ND(10)	ND(100)	ND(10) UJ	ND(1000) UJ	ND(10)	ND(10)	ND(10)	ND(10)
2-HEXANONE	ug/L	ND(10)	ND(100)	ND(10) UJ	ND(1000) UJ	ND(10)	ND(10)	ND(10)	ND(10)
4-METHYL-2-PENTANONE	ug/L	ND(10)	ND(100)	ND(10) UJ	ND(1000) UJ	ND(10)	ND(10)	ND(10)	ND(10)
ACETONE	ug/L	ND(10)	ND(200)	ND(10) UJ	ND(2000) UJ	ND(10)	ND(10)	ND(10)	ND(10)
BENZENE	ug/L	390 J	190	600 J	1900 J	ND(1)	ND(1)	ND(1)	ND(1)
BROMODICHLOROMETHANE	ug/L	ND(1)	ND(50)	ND(1) UJ	ND(500) UJ	ND(1)	ND(1)	ND(1)	ND(1)
BROMOFORM	ug/L	ND(1)	ND(50)	ND(1) UJ	ND(500) UJ	ND(1)	ND(1)	ND(1)	ND(1)
BROMOMETHANE	ug/L	ND(1)	ND(100)	ND(1) UJ	ND(1000) UJ	ND(1)	ND(1)	ND(1)	ND(1)
CARBON DISULFIDE	ug/L	ND(1)	ND(50)	ND(1) UJ	ND(500) UJ	ND(1)	ND(1)	ND(1)	ND(1)
CARBON TETRACHLORIDE	ug/L	ND(1)	ND(50)	ND(1) UJ	ND(500) UJ	ND(1)	ND(1)	ND(1)	ND(1)
CHLOROBENZENE	ug/L	ND(1)	ND(50)	ND(1) UJ	ND(500) UJ	ND(1)	ND(1)	ND(1)	ND(1)
CHLOROETHANE	ug/L	ND(1)	ND(100)	ND(1) UJ	ND(1000) UJ	ND(1)	ND(1)	ND(1)	ND(1)
CHLOROFORM	ug/L	6.8	ND(50)	20 J	ND(500) UJ	ND(1)	ND(1)	ND(1)	2.2
CHLOROMETHANE	ug/L	ND(1)	ND(100)	ND(1) UJ	ND(1000) UJ	ND(1)	ND(1)	ND(1)	ND(1)
CIS-1,2-DICHLOROETHENE	ug/L	ND(1)	ND(50)	1.5 J	ND(500) UJ	ND(1)	ND(1)	ND(1)	ND(1)
CIS-1,3-DICHLOROPROPENE	ug/L	ND(1)	ND(50)	ND(1) UJ	ND(500) UJ	ND(1)	ND(1)	ND(1)	ND(1)
DIBROMOCHLOROMETHANE	ug/L	ND(1)	ND(50)	ND(1) UJ	ND(500) UJ	ND(1)	ND(1)	ND(1)	ND(1)
DICHLOROMETHANE	ug/L	13	ND(50)	63 J	ND(500) UJ	ND(1)	ND(1)	ND(1)	ND(1)
ETHYL BENZENE	ug/L	ND(1)	ND(50)	ND(1) UJ	ND(500) UJ	ND(1)	ND(1)	ND(1)	ND(1)
STYRENE	ug/L	ND(1)	ND(50)	ND(1) UJ	ND(500) UJ	ND(1)	ND(1)	ND(1)	ND(1)
TETRACHLOROETHENE	ug/L	3.0	ND(50)	6.4 J	ND(500) UJ	ND(1)	ND(1)	ND(1)	ND(1)
TOLUENE	ug/L	11 J	ND(50)	23 J	ND(500) UJ	ND(1)	ND(1)	ND(1)	ND(1)
TRANS-1,2-DICHLOROETHENE	ug/L	ND(1)	ND(50)	ND(1) UJ	ND(500) UJ	ND(1)	ND(1)	ND(1)	ND(1)
TRANS-1,3-DICHLOROPROPENE	ug/L	ND(1)	ND(50)	ND(1) UJ	ND(500) UJ	ND(1)	ND(1)	ND(1)	ND(1)
TRICHLOROETHENE	ug/L	1.4	ND(50)	25 J	ND(500) UJ	ND(1)	ND(1)	ND(1)	ND(1)
VINYL CHLORIDE	ug/L	ND(1)	ND(100)	6.4 J	ND(1000) UJ	ND(1)	ND(1)	ND(1)	ND(1)
XYLENES (TOTAL)	ug/L	ND(1)	ND(50)	1.3 J	ND(500) UJ	ND(1)	ND(1)	ND(1)	--

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Summary of Groundwater VOC Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		P-5B	P-5C1	P-5C2	P-5C3	P-5C4	P-7B	P-8A	P-8B
Sample I.D.:		GW-WP-040	GW-WP-057	GW-WP-059	GW-SC-040	GW-SC-44	GW-WP-017	GW-WP-042	GW-WP-034
Date Sampled:		06/05/94	06/06/94	06/06/94	10/18/95	10/19/95	06/02/94	06/08/94	06/05/94
Parameters	*Units*								
Volatile Organic Compounds									
1,1,1-TRICHLOROETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)	ND(1)
1,1,2,2-TETRACHLOROETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)	ND(1)
1,1,2-TRICHLOROETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)	ND(1)
1,2-DICHLOROETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)	ND(1)
1,2-DICHLOROPROPANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)	ND(1)
2-BUTANONE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)
2-HEXANONE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)
4-METHYL-2-PENTANONE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)
ACETONE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)
BENZENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1) UJ	ND(1)
BROMODICHLOROMETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)	ND(1)
BROMOFORM	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)	ND(1)
BROMOMETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)	ND(1)
CARBON DISULFIDE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)	ND(1)
CARBON TETRACHLORIDE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)	ND(1)
CHLOROBENZENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)	ND(1)
CHLOROETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)	ND(1)
CHLOROFORM	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)	ND(1)
CHLOROMETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)	ND(1)
CIS-1,2-DICHLOROETHENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)	ND(1)
CIS-1,3-DICHLOROPROPENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)	ND(1)
DIBROMOCHLOROMETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)	ND(1)
DICHLOROMETHANE	ug/L	ND(1)	ND(1)	ND(1)	1.3	ND(1) UJ	ND(1)	ND(1)	ND(1)
ETHYL BENZENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)	ND(1)
STYRENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)	ND(1)
TETRACHLOROETHENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)	ND(1)
TOLUENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)	ND(1)
TRANS-1,2-DICHLOROETHENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)	ND(1)
TRANS-1,3-DICHLOROPROPENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)	ND(1)
TRICHLOROETHENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)	ND(1)
VINYL CHLORIDE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)	ND(1)
XYLENES (TOTAL)	ug/L	ND(1)	ND(1)	ND(1)	--	--	ND(1)	ND(1)	ND(1)

TABLE I.1

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Summary of Groundwater VOC Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		P-8B	P-8C1	P-8C2	P-8C3	P-8C4	P-8C4	P-10	P-11A
Sample I.D.:		GW-WP-036	GW-WP-047	GW-WP-051	GW-SC-028	GW-SC-30	GW-SC-32	GW-WP-084	GW-WP-089
Date Sampled:		06/05/94	06/05/94	06/06/94	10/17/95	10/19/95	10/19/95	06/08/94	06/09/94
		Dupl.					Dupl.		
Parameters	*Units*								
Volatile Organic Compounds									
1,1,1-TRICHLOROETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1) UJ	ND(5000)	ND(1)
1,1,2,2-TETRACHLOROETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1) UJ	ND(5000)	ND(1)
1,1,2-TRICHLOROETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1) UJ	ND(5000)	ND(1)
1,1-DICHLOROETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1) UJ	ND(5000)	ND(1)
1,1-DICHLOROETHENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1) UJ	ND(5000)	ND(1)
1,2-DICHLOROETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1) UJ	54000	ND(1)
1,2-DICHLOROPROPANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1) UJ	ND(5000)	ND(1)
2-BUTANONE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(10) UJ	ND(50000)	ND(10)
2-HEXANONE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(10) UJ	ND(50000)	ND(10)
4-METHYL-2-PENTANONE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(10) UJ	ND(50000)	ND(10)
ACETONE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(10) UJ	ND(50000)	140
BENZENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1) UJ	30000	ND(1)
BROMODICHLOROMETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1) UJ	ND(5000)	ND(1)
BROMOFORM	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1) UJ	ND(5000)	ND(1)
BROMOMETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1) UJ	ND(5000)	ND(1)
CARBON DISULFIDE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1) UJ	ND(5000)	ND(1)
CARBON TETRACHLORIDE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1) UJ	210000	8.7
CHLOROBENZENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1) UJ	ND(5000)	ND(1)
CHLOROETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1) UJ	ND(5000)	ND(1)
CHLOROFORM	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1) UJ	41000	6.8
CHLOROMETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1) UJ	ND(5000)	ND(1)
CIS-1,2-DICHLOROETHENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1) UJ	ND(5000)	ND(1)
CIS-1,3-DICHLOROPROPENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1) UJ	ND(5000)	ND(1)
DIBROMOCHLOROMETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1) UJ	ND(5000)	ND(1)
DICHLOROMETHANE	ug/L	ND(1)	ND(1)	ND(1)	1.4	1.2 J	1.1 J	7600	ND(1)
ETHYL BENZENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1) UJ	ND(5000)	ND(1)
STYRENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1) UJ	ND(5000)	ND(1)
TETRACHLOROETHENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1) UJ	9100	ND(1)
TOLUENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1) UJ	ND(5000)	ND(1)
TRANS-1,2-DICHLOROETHENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1) UJ	ND(5000)	ND(1)
TRANS-1,3-DICHLOROPROPENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1) UJ	ND(5000)	ND(1)
TRICHLOROETHENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1) UJ	ND(5000)	ND(1)
VINYL CHLORIDE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1) UJ	ND(5000)	ND(1)
XYLENES (TOTAL)	ug/L	ND(1)	ND(1)	ND(1)	--	--	--	ND(5000)	ND(1)

TABLE I.1

Date Printed: January 31, 1996

Summary of Groundwater VOC Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		P-12A	P-12A DIL	P-13A	P-13A DIL	P-14A	P-23C1	P-23C2	P-23C3
Sample I.D.:		GW-WP-082	GW-WP-082	GW-WP-080	GW-WP-080	GW-WP-064	GW-WP-028	GW-WP-030	GW-SC-026
Date Sampled:		06/08/94	06/08/94	06/08/94	06/08/94	06/07/94	06/03/94	06/03/94	10/17/95
Parameters	*Units*								
Volatile Organic Compounds									
1,1,1-TRICHLOROETHANE	ug/L	ND(500)	ND(1000) UJ	ND(5000)	ND(10000) UJ	ND(5000) UJ	ND(1)	ND(1)	ND(1)
1,1,2,2-TETRACHLOROETHANE	ug/L	ND(500)	ND(1000) UJ	ND(5000)	ND(10000) UJ	ND(5000) UJ	ND(1)	ND(1)	ND(1)
1,1,2-TRICHLOROETHANE	ug/L	1800	1600 J	10000	11000 J	ND(5000) UJ	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHANE	ug/L	ND(500)	ND(1000) UJ	ND(5000)	ND(10000) UJ	ND(5000) UJ	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHENE	ug/L	ND(500)	ND(1000) UJ	ND(5000)	ND(10000) UJ	ND(5000) UJ	ND(1)	ND(1)	ND(1)
1,2-DICHLOROETHANE	ug/L	49000	44000 J	660000 J	630000 J	ND(5000) UJ	ND(1)	ND(1)	ND(1)
1,2-DICHLOROPROPANE	ug/L	ND(500)	ND(1000) UJ	ND(5000)	ND(10000) UJ	ND(5000) UJ	ND(1)	ND(1)	ND(1)
2-BUTANONE	ug/L	ND(5000)	ND(10000) UJ	ND(50000)	ND(100000) UJ	ND(50000) UJ	ND(10)	ND(10)	ND(10)
2-HEXANONE	ug/L	ND(5000)	ND(10000) UJ	ND(50000)	ND(100000) UJ	ND(50000) UJ	ND(10)	ND(10)	ND(10)
4-METHYL-2-PENTANONE	ug/L	ND(5000)	ND(10000) UJ	ND(50000)	ND(100000) UJ	ND(50000) UJ	ND(10)	ND(10)	ND(10)
ACETONE	ug/L	ND(5000)	ND(10000) UJ	140000	180000 J	ND(50000) UJ	ND(10)	ND(10)	ND(10)
BENZENE	ug/L	52000	47000 J	200000 J	190000 J	ND(5000) UJ	ND(1)	ND(1)	ND(1)
BROMODICHLOROMETHANE	ug/L	ND(500)	ND(1000) UJ	ND(5000)	ND(10000) UJ	ND(5000) UJ	ND(1)	ND(1)	ND(1)
BROMOFORM	ug/L	ND(500)	ND(1000) UJ	ND(5000)	ND(10000) UJ	ND(5000) UJ	ND(1)	ND(1)	ND(1)
BROMOMETHANE	ug/L	ND(500)	ND(1000) UJ	ND(5000)	ND(10000) UJ	ND(5000) UJ	ND(1)	ND(1)	ND(1)
CARBON DISULFIDE	ug/L	ND(500)	ND(1000) UJ	ND(5000)	ND(10000) UJ	ND(5000) UJ	ND(1)	ND(1)	ND(1)
CARBON TETRACHLORIDE	ug/L	ND(500)	ND(1000) UJ	59000	60000 J	63000 J	ND(1)	ND(1)	ND(1)
CHLOROBENZENE	ug/L	ND(500)	ND(1000) UJ	ND(5000)	ND(10000) UJ	ND(5000) UJ	ND(1)	ND(1)	ND(1)
CHLOROETHANE	ug/L	ND(500)	ND(1000) UJ	ND(5000)	ND(10000) UJ	ND(5000) UJ	ND(1)	ND(1)	ND(1)
CHLOROFORM	ug/L	53000 J	51000 J	160000	150000 J	8000 J	ND(1)	ND(1)	ND(1)
CHLOROMETHANE	ug/L	ND(500)	ND(1000) UJ	ND(5000)	ND(10000) UJ	ND(5000) UJ	ND(1)	ND(1)	ND(1)
CIS-1,2-DICHLOROETHENE	ug/L	ND(500)	ND(1000) UJ	ND(5000)	ND(10000) UJ	ND(5000) UJ	ND(1)	ND(1)	ND(1)
CIS-1,3-DICHLOROPROPENE	ug/L	ND(500)	ND(1000) UJ	ND(5000)	ND(10000) UJ	ND(5000) UJ	ND(1)	ND(1)	ND(1)
DIBROMOCHLOROMETHANE	ug/L	ND(500)	ND(1000) UJ	ND(5000)	ND(10000) UJ	ND(5000) UJ	ND(1)	ND(1)	ND(1)
DICHLOROMETHANE	ug/L	7800	8200 J	180000	190000 J	ND(5000) UJ	ND(1)	ND(1)	ND(1)
ETHYL BENZENE	ug/L	ND(500)	ND(1000) UJ	ND(5000)	ND(10000) UJ	ND(5000) UJ	ND(1)	ND(1)	ND(1)
STYRENE	ug/L	ND(500)	ND(1000) UJ	ND(5000)	ND(10000) UJ	ND(5000) UJ	ND(1)	ND(1)	ND(1)
TETRACHLOROETHENE	ug/L	2600	1900 J	ND(5000)	ND(10000) UJ	ND(5000) UJ	ND(1)	ND(1)	ND(1)
TOLUENE	ug/L	ND(500)	ND(1000) UJ	ND(5000) UJ	ND(10000) UJ	ND(5000) UJ	ND(1)	ND(1)	ND(1)
TRANS-1,2-DICHLOROETHENE	ug/L	ND(500)	ND(1000) UJ	ND(5000)	ND(10000) UJ	ND(5000) UJ	ND(1)	ND(1)	ND(1)
TRANS-1,3-DICHLOROPROPENE	ug/L	ND(500)	ND(1000) UJ	ND(5000)	ND(10000) UJ	ND(5000) UJ	ND(1)	ND(1)	ND(1)
TRICHLOROETHENE	ug/L	ND(500)	ND(1000) UJ	ND(5000)	ND(10000) UJ	ND(5000) UJ	ND(1)	ND(1)	ND(1)
VINYL CHLORIDE	ug/L	ND(500)	ND(1000) UJ	ND(5000)	ND(10000) UJ	ND(5000) UJ	ND(1)	ND(1)	ND(1)
XYLENES (TOTAL)	ug/L	ND(500)	ND(1000) UJ	ND(5000)	ND(10000) UJ	ND(5000) UJ	ND(1)	ND(1)	--

TABLE I.1

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Summary of Groundwater VOC Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		P-23C4	P-24A	P-24C1	P-24C2	P-24C2	P-24C3	P-24C4	P-25A
Sample I.D.:		GW-SC-024	GW-WP-046	GW-WP-065	GW-WP-063	GW-SC-016	GW-SC-47	GW-SC-043	GW-WP-009
Date Sampled:		10/17/95	06/06/94	06/06/94	06/06/94	04/26/95	10/19/95	10/18/95	06/01/94
Parameters	*Units*								
Volatile Organic Compounds									
1,1,1-TRICHLOROETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)	ND(1)
1,1,2,2-TETRACHLOROETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)	ND(1)
1,1,2-TRICHLOROETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)	ND(1)
1,2-DICHLOROETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)	ND(1)
1,2-DICHLOROPROPANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)	ND(1)
2-BUTANONE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)
2-HEXANONE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)
4-METHYL-2-PENTANONE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)
ACETONE	ug/L	ND(10)	ND(10)	ND(10)	28	ND(10) UJ	ND(10)	ND(10)	74
BENZENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)	ND(1)
BROMODICHLOROMETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	1.6	ND(1)	ND(1)
BROMOFORM	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)	ND(1)
BROMOMETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)	ND(1)
CARBON DISULFIDE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)	ND(1)
CARBON TETRACHLORIDE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)	ND(1)
CHLOROBENZENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)	ND(1)
CHLOROETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)	ND(1)
CHLOROFORM	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	5.8	ND(1)	ND(1)
CHLOROMETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)	ND(1)
CIS-1,2-DICHLOROETHENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)	ND(1)
CIS-1,3-DICHLOROPROPENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)	ND(1)
DIBROMOCHLOROMETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)	ND(1)
DICHLOROMETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)	ND(1)
ETHYL BENZENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)	ND(1)
STYRENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)	ND(1)
TETRACHLOROETHENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)	ND(1)
TOLUENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)	ND(1)
TRANS-1,2-DICHLOROETHENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)	ND(1)
TRANS-1,3-DICHLOROPROPENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)	ND(1)
TRICHLOROETHENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)	ND(1)
VINYL CHLORIDE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)	ND(1)
XYLENES (TOTAL)	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1) UJ	--	--	ND(1)

TABLE I.1

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Summary of Groundwater VOC Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		P-25A	P-25A	P-25C2	P-26A	P-26A DIL	P-27A	P-27C1	P-27C2
Sample I.D.:		GW-SC-006	GW-SC-007	GW-WP-011	GW-WP-070	GW-WP-070	GW-SC-008	GW-WP-012	GW-WP-014
Date Sampled:		04/26/95	04/26/95	06/02/94	06/08/94	06/08/94	04/26/95	06/02/94	06/02/94
			Dupl.						
Parameters	*Units*								
Volatile Organic Compounds									
1,1,1-TRICHLOROETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(500)	ND(5000) UJ	ND(1)	ND(1)	ND(1)
1,1,2,2-TETRACHLOROETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(500)	ND(5000) UJ	ND(1)	ND(1)	ND(1)
1,1,2-TRICHLOROETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(500)	ND(5000) UJ	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(500)	ND(5000) UJ	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHENE	ug/L	ND(1)	ND(1)	ND(1)	ND(500)	ND(5000) UJ	ND(1)	ND(1)	ND(1)
1,2-DICHLOROETHANE	ug/L	ND(1)	ND(1)	ND(1)	7100	10000 J	ND(1)	ND(1)	ND(1)
1,2-DICHLOROPROPANE	ug/L	ND(1)	ND(1)	ND(1)	ND(500)	ND(5000) UJ	ND(1)	ND(1)	ND(1)
2-BUTANONE	ug/L	ND(10)	ND(10)	ND(10)	ND(5000)	ND(50000) UJ	ND(10)	ND(10)	ND(10)
2-HEXANONE	ug/L	ND(10)	ND(10)	ND(10)	ND(500)	ND(50000) UJ	ND(10)	ND(10)	ND(10)
4-METHYL-2-PENTANONE	ug/L	ND(10)	ND(10)	ND(10)	ND(500)	ND(50000) UJ	ND(10)	ND(10)	ND(10)
ACETONE	ug/L	ND(10)	ND(10)	ND(10)	ND(5000)	ND(50000) UJ	ND(10)	ND(10)	ND(10)
BENZENE	ug/L	ND(1)	ND(1)	ND(1)	4900	7000 J	ND(1)	ND(1)	ND(1)
BROMODICHLOROMETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(500)	ND(5000) UJ	ND(1)	ND(1)	ND(1)
BROMOFORM	ug/L	ND(1)	ND(1)	ND(1)	ND(500)	ND(5000) UJ	ND(1)	ND(1)	ND(1)
BROMOMETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(500)	ND(5000) UJ	ND(1)	ND(1)	ND(1)
CARBON DISULFIDE	ug/L	ND(1)	ND(1)	ND(1)	ND(500)	ND(5000) UJ	ND(1)	ND(1)	ND(1)
CARBON TETRACHLORIDE	ug/L	ND(1)	ND(1)	ND(1)	1800	ND(5000) UJ	ND(1)	ND(1)	ND(1)
CHLOROBENZENE	ug/L	ND(1)	ND(1)	ND(1)	ND(500)	ND(5000) UJ	ND(1)	ND(1)	ND(1)
CHLOROETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(500)	ND(5000) UJ	ND(1)	ND(1)	ND(1)
CHLOROFORM	ug/L	ND(1)	ND(1)	ND(1)	3000	ND(5000) UJ	ND(1)	ND(1)	ND(1)
CHLOROMETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(500)	ND(5000) UJ	ND(1)	ND(1)	ND(1)
CIS-1,2-DICHLOROETHENE	ug/L	ND(1)	ND(1)	ND(1)	ND(500)	ND(5000) UJ	ND(1)	ND(1)	ND(1)
CIS-1,3-DICHLOROPROPENE	ug/L	ND(1)	ND(1)	ND(1)	ND(500)	ND(5000) UJ	ND(1)	ND(1)	ND(1)
DIBROMOCHLOROMETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(500)	ND(5000) UJ	ND(1)	ND(1)	ND(1)
DICHLOROMETHANE	ug/L	ND(1)	ND(1)	ND(1)	850	ND(5000) UJ	ND(1)	ND(1)	ND(1)
ETHYL BENZENE	ug/L	ND(1)	ND(1)	ND(1)	ND(500)	ND(5000) UJ	ND(1)	ND(1)	ND(1)
STYRENE	ug/L	ND(1)	ND(1)	ND(1)	ND(500)	ND(5000) UJ	ND(1)	ND(1)	ND(1)
TETRACHLOROETHENE	ug/L	ND(1)	ND(1)	ND(1)	ND(500)	ND(5000) UJ	ND(1)	ND(1)	ND(1)
TOLUENE	ug/L	ND(1)	ND(1)	ND(1)	ND(500)	ND(5000) UJ	ND(1)	ND(1)	ND(1)
TRANS-1,2-DICHLOROETHENE	ug/L	ND(1)	ND(1)	ND(1)	ND(500)	ND(5000) UJ	ND(1)	ND(1)	ND(1)
TRANS-1,3-DICHLOROPROPENE	ug/L	ND(1)	ND(1)	ND(1)	ND(500)	ND(5000) UJ	ND(1)	ND(1)	ND(1)
TRICHLOROETHENE	ug/L	ND(1)	ND(1)	ND(1)	ND(500)	ND(5000) UJ	ND(1)	ND(1)	ND(1)
VINYL CHLORIDE	ug/L	ND(1)	ND(1)	ND(1)	ND(500)	ND(5000) UJ	ND(1)	ND(1)	ND(1)
XYLENES (TOTAL)	ug/L	ND(1)	ND(1)	ND(1)	ND(500)	ND(5000) UJ	ND(1)	ND(1)	ND(1)

TABLE I.1

Date Printed: January 31, 1996

Summary of Groundwater VOC Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		P-27C3	P-27C4	P-28A	P-28C1	P-28C2	P-28C3	P-29A	P-29C2
Sample I.D.:		GW-SC-057	GW-SC-53	GW-WP-114	GW-WP-022	GW-WP-024	GW-SC-46	GW-WP-021	GW-WP-049
Date Sampled:		10/20/95	10/19/95	06/01/91	06/05/94	06/03/94	10/19/95	06/03/94	06/05/94
Parameters	*Units*								
Volatile Organic Compounds									
1,1,1-TRICHLOROETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,2,2-TETRACHLOROETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,2-TRICHLOROETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	30	ND(1)
1,1-DICHLOROETHENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DICHLOROETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	12	ND(1)
1,2-DICHLOROPROPANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
2-BUTANONE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2-HEXANONE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
4-METHYL-2-PENTANONE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
ACETONE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BENZENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
BROMODICHLOROMETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
BROMOFORM	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
BROMOMETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
CARBON DISULFIDE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
CARBON TETRACHLORIDE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
CHLOROBENZENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
CHLOROETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	3.8	ND(1)
CHLOROFORM	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
CHLOROMETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
CIS-1,2-DICHLOROETHENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
CIS-1,3-DICHLOROPROPENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
DIBROMOCHLOROMETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
DICHLOROMETHANE	ug/L	ND(1)	ND(1)	1.2	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
ETHYL BENZENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
STYRENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
TETRACHLOROETHENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
TOLUENE	ug/L	ND(1)	ND(1)	7.4	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
TRANS-1,2-DICHLOROETHENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
TRANS-1,3-DICHLOROPROPENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
TRICHLOROETHENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
VINYL CHLORIDE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
XYLENES (TOTAL)	ug/L	--	--	ND(1)	ND(1)	ND(1)	--	ND(1)	ND(1)

TABLE I.1

Summary of Groundwater VOC Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		P-30C1	P-30C2	P-30C3	P-30C3	P-30C4	P-31A	P-31C1	P-31C1
Sample I.D.:		GW-WP-045	GW-WP-043	GW-SC-027	GW-SC-029	GW-SC-025	GW-SC-014	GW-WP-067	GW-SC-004
Date Sampled:		06/05/94	06/05/94	10/17/95	10/17/95	10/17/95	04/27/95	06/07/94	04/25/95
					Dupl.				
Parameters	*Units*								
Volatile Organic Compounds									
1,1,1-TRICHLOROETHANE	ug/L	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)
1,1,2,2-TETRACHLOROETHANE	ug/L	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)
1,1,2-TRICHLOROETHANE	ug/L	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)
1,1-DICHLOROETHANE	ug/L	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)	6.0 J	ND(1)	ND(1)
1,1-DICHLOROETHENE	ug/L	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)
1,2-DICHLOROETHANE	ug/L	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)	ND(1) UJ	ND(13) U	ND(1)
1,2-DICHLOROPROPANE	ug/L	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)
2-BUTANONE	ug/L	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	16 J	ND(10)	ND(10)
2-HEXANONE	ug/L	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)
4-METHYL-2-PENTANONE	ug/L	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)
ACETONE	ug/L	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)
BENZENE	ug/L	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)	ND(1) UJ	ND(5.3) U	1.0
BROMODICHLOROMETHANE	ug/L	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)
BROMOFORM	ug/L	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)
BROMOMETHANE	ug/L	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)
CARBON DISULFIDE	ug/L	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)
CARBON TETRACHLORIDE	ug/L	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)
CHLOROBENZENE	ug/L	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)
CHLOROETHANE	ug/L	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)
CHLOROFORM	ug/L	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)	ND(1) UJ	1.1 J	ND(1)
CHLOROMETHANE	ug/L	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)
CIS-1,2-DICHLOROETHENE	ug/L	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)
CIS-1,3-DICHLOROPROPENE	ug/L	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)
DIBROMOCHLOROMETHANE	ug/L	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)
DICHLOROMETHANE	ug/L	ND(1)	ND(1)	1.1 J	1.2	ND(1)	ND(1) UJ	ND(5.2) U	ND(1)
ETHYL BENZENE	ug/L	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)
STYRENE	ug/L	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)
TETRACHLOROETHENE	ug/L	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)
TOLUENE	ug/L	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)
TRANS-1,2-DICHLOROETHENE	ug/L	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)
TRANS-1,3-DICHLOROPROPENE	ug/L	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)
TRICHLOROETHENE	ug/L	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)
VINYL CHLORIDE	ug/L	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)
XYLENES (TOTAL)	ug/L	ND(1)	ND(1)	--	--	--	ND(1) UJ	ND(1)	ND(1)

TABLE I.1

Date Printed: January 31, 1996

Summary of Groundwater VOC Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		P-31C2	P-31C2	P-31C3	P-31C4	P-32A	P-32C2	P-33A	P-33A DIL
Sample I.D.:		GW-WP-077	GW-SC-022	GW-SC-021	GW-SC-020	GW-SC-009	GW-WP-069	GW-WP-078	GW-WP-078
Date Sampled:		06/08/94	04/28/95	04/27/95	04/27/95	04/26/95	06/07/94	06/08/94	06/08/94
Parameters	*Units*								
Volatile Organic Compounds									
1,1,1-TRICHLOROETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(5) UJ	ND(1)	ND(1)	ND(5000) UJ
1,1,2,2-TETRACHLOROETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1) UJ	9 J	ND(1)	ND(1)	ND(5000) UJ
1,1,2-TRICHLOROETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1) UJ	170 J	ND(1)	10	ND(5000) UJ
1,1-DICHLOROETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(5) UJ	ND(1)	ND(1)	ND(5000) UJ
1,1-DICHLOROETHENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(5) UJ	ND(1)	ND(1)	ND(5000) UJ
1,2-DICHLOROETHANE	ug/L	100	170	360	1.7 J	7100 J	ND(1)	420 J	ND(5000) UJ
1,2-DICHLOROPROPANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(5) UJ	ND(1)	ND(1)	ND(5000) UJ
2-BUTANONE	ug/L	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(10) UJ	ND(10)	86	ND(50000) UJ
2-HEXANONE	ug/L	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(10) UJ	ND(10)	ND(10)	ND(50000) UJ
4-METHYL-2-PENTANONE	ug/L	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(10) UJ	ND(10)	ND(10)	ND(50000) UJ
ACETONE	ug/L	ND(10)	ND(10)	ND(10)	ND(10) UJ	260 J	ND(10)	57000 J	110000 J
BENZENE	ug/L	ND(1) UJ	ND(1)	ND(1)	ND(1) UJ	ND(5) UJ	ND(1)	16	ND(5000) UJ
BROMODICHLOROMETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(5) UJ	ND(1)	ND(1)	ND(5000) UJ
BROMOFORM	ug/L	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(5) UJ	ND(1)	ND(1)	ND(5000) UJ
BROMOMETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(10) UJ	ND(1)	ND(1)	ND(5000) UJ
CARBON DISULFIDE	ug/L	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(5) UJ	ND(1)	ND(1)	ND(5000) UJ
CARBON TETRACHLORIDE	ug/L	ND(1)	ND(1)	ND(1)	ND(1) UJ	5500 J	ND(1)	240 J	ND(5000) UJ
CHLOROBENZENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(5) UJ	ND(1)	ND(1)	ND(5000) UJ
CHLOROETHANE	ug/L	1.0	ND(1)	ND(1)	ND(1) UJ	ND(10) UJ	ND(1)	ND(1)	ND(5000) UJ
CHLOROFORM	ug/L	ND(1)	ND(1)	ND(1)	ND(1) UJ	2700 J	ND(1)	ND(1)	ND(5000) UJ
CHLOROMETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(10) UJ	ND(1)	ND(1)	ND(5000) UJ
CIS-1,2-DICHLOROETHENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(5) UJ	ND(1)	1.0	ND(5000) UJ
CIS-1,3-DICHLOROPROPENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(5) UJ	ND(1)	ND(1)	ND(5000) UJ
DIBROMOCHLOROMETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(5) UJ	ND(1)	ND(1)	ND(5000) UJ
DICHLOROMETHANE	ug/L	ND(1)	ND(1)	1.0	ND(1) UJ	170 J	ND(1)	460 J	ND(5000) UJ
ETHYL BENZENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(5) UJ	ND(1)	ND(1)	ND(5000) UJ
STYRENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(5) UJ	ND(1)	ND(1)	ND(5000) UJ
TETRACHLOROETHENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1) UJ	440 J	ND(1)	26	ND(5000) UJ
TOLUENE	ug/L	ND(1)	1.3	ND(1)	ND(1) UJ	11 J	ND(1)	ND(1)	ND(5000) UJ
TRANS-1,2-DICHLOROETHENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(5) UJ	ND(1)	ND(1)	ND(5000) UJ
TRANS-1,3-DICHLOROPROPENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(5) UJ	ND(1)	ND(1)	ND(5000) UJ
TRICHLOROETHENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1) UJ	9 J	ND(1)	1.2	ND(5000) UJ
VINYL CHLORIDE	ug/L	1.0	ND(1)	2.4	ND(1) UJ	ND(10) UJ	ND(1)	1.3	ND(5000) UJ
XYLENES (TOTAL)	ug/L	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(5) UJ	ND(1)	ND(1)	ND(5000) UJ

TABLE I.1

Summary of Groundwater VOC Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		P-34*A	P-34*B	P-34*C1	P-34*C1	P-34*C2	P-34*C3	P-34*C4	RBLK(MW-28B)
Sample I.D.:		GW-SC-012	GW-WP-062	GW-WP-073	GW-WP-075	GW-WP-071	GW-SC-039	GW-SC-035	GW-WP-018
Date Sampled:		04/26/95	06/07/94	06/08/94	06/08/94	06/08/94	10/18/95	10/18/95	06/02/94
					Dupl.				
Parameters	*Units*								
Volatile Organic Compounds									
1,1,1-TRICHLOROETHANE	ug/L	ND(5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,2,2-TETRACHLOROETHANE	ug/L	ND(5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,2-TRICHLOROETHANE	ug/L	ND(5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHANE	ug/L	ND(5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHENE	ug/L	ND(5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DICHLOROETHANE	ug/L	ND(5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DICHLOROPROPANE	ug/L	ND(5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
2-BUTANONE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2-HEXANONE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
4-METHYL-2-PENTANONE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
ACETONE	ug/L	290 J	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BENZENE	ug/L	ND(5)	ND(1)	ND(1) UJ	ND(1) UJ	ND(1) UJ	ND(1)	ND(1)	ND(1)
BROMODICHLOROMETHANE	ug/L	ND(5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
BROMOFORM	ug/L	ND(5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
BROMOMETHANE	ug/L	ND(10)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
CARBON DISULFIDE	ug/L	ND(5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
CARBON TETRACHLORIDE	ug/L	ND(5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
CHLOROBENZENE	ug/L	ND(5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
CHLOROETHANE	ug/L	ND(10)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
CHLOROFORM	ug/L	ND(5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
CHLOROMETHANE	ug/L	ND(10)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
CIS-1,2-DICHLOROETHENE	ug/L	ND(5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
CIS-1,3-DICHLOROPROPENE	ug/L	ND(5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
DIBROMOCHLOROMETHANE	ug/L	ND(5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
DICHLOROMETHANE	ug/L	ND(5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	1.0
ETHYL BENZENE	ug/L	ND(5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
STYRENE	ug/L	ND(5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
TETRACHLOROETHENE	ug/L	ND(5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
TOLUENE	ug/L	ND(5)	ND(1)	ND(1) UJ	ND(1) UJ	ND(1) UJ	ND(1)	ND(1)	ND(1)
TRANS-1,2-DICHLOROETHENE	ug/L	ND(5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
TRANS-1,3-DICHLOROPROPENE	ug/L	ND(5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
TRICHLOROETHENE	ug/L	ND(5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
VINYL CHLORIDE	ug/L	ND(10)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
XYLENES (TOTAL)	ug/L	ND(5)	ND(1)	ND(1)	ND(1)	ND(1)	--	--	ND(1)

TABLE I.1

Date Printed: January 31, 1996

Summary of Groundwater VOC Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		RBLK(MW-31B)	RBLK(MW-33B)	RBLK(P-1)	RBLK(P-4C1)	RBLK(P-11A)	RBLK(P-24C2)	RBLK(P-27C4)	RBLK(P-29A)
Sample I.D.:		GW-WP-050	GW-WP-072	GW-WP-086	GW-WP-002	GW-WP-085	GW-SC-015	W-SC-51	GW-WP-019
Date Sampled:		06/06/94	06/08/94	06/14/94	06/01/94	06/08/94	04/26/95	10/19/95	06/03/94
Parameters	*Units*								
Volatile Organic Compounds									
1,1,1-TRICHLOROETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)
1,1,2,2-TETRACHLOROETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)
1,1,2-TRICHLOROETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)
1,1-DICHLOROETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)
1,1-DICHLOROETHENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)
1,2-DICHLOROETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)
1,2-DICHLOROPROPANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)
2-BUTANONE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)
2-HEXANONE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)
4-METHYL-2-PENTANONE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)
ACETONE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)
BENZENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	2.5 J	ND(1)	ND(1)
BROMODICHLOROMETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)
BROMOFORM	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)
BROMOMETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)
CARBON DISULFIDE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)
CARBON TETRACHLORIDE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)
CHLOROBENZENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)
CHLOROETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)
CHLOROFORM	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	1.1	ND(1)
CHLOROMETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)
CIS-1,2-DICHLOROETHENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)
CIS-1,3-DICHLOROPROPENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)
DIBROMOCHLOROMETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)
DICHLOROMETHANE	ug/L	1.2	1.2	ND(1)	1.2	ND(1)	ND(1) UJ	ND(1)	1.9
ETHYL BENZENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)
STYRENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)
TETRACHLOROETHENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)
TOLUENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	6.3 J	ND(1)	ND(1)
TRANS-1,2-DICHLOROETHENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)
TRANS-1,3-DICHLOROPROPENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)
TRICHLOROETHENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)
VINYL CHLORIDE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	ND(1)	ND(1)
XYLENES (TOTAL)	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1) UJ	--	ND(1)

TABLE I.1

Date Printed: January 31, 1996

Summary of Groundwater VOC Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		RBLK(P-34*C4)	TBLK	TBLK	TBLK	TBLK	TBLK	TBLK	TBLK
Sample I.D.:		W-SC-033	GW-WP-053	GW-WP-061	GW-WP-060	GW-WP-083	GW-WP-090	GW-WP-103	GW-WP-061
Date Sampled:		10/18/95	06/05/94	06/06/94	06/07/94	06/08/94	06/09/94	06/15/94	04/25/95
Parameters	*Units*								
Volatile Organic Compounds									
1,1,1-TRICHLOROETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,2,2-TETRACHLOROETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,2-TRICHLOROETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DICHLOROETHANE	ug/L	ND(1)	ND(1)	ND(1)	3.3	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DICHLOROPROPANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
2-BUTANONE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2-HEXANONE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
4-METHYL-2-PENTANONE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
ACETONE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BENZENE	ug/L	ND(1)	ND(1)	ND(1)	1.5	ND(1)	ND(1)	ND(1)	ND(1)
BROMODICHLOROMETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
BROMOFORM	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
BROMOMETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
CARBON DISULFIDE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
CARBON TETRACHLORIDE	ug/L	1.1	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
CHLOROBENZENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
CHLOROETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
CHLOROFORM	ug/L	1.2	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
CHLOROMETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
CIS-1,2-DICHLOROETHENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
CIS-1,3-DICHLOROPROPENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
DIBROMOCHLOROMETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
DICHLOROMETHANE	ug/L	1.0	ND(1)	ND(1)	1.8	ND(1)	ND(1)	ND(1)	ND(1)
ETHYL BENZENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
STYRENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
TETRACHLOROETHENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
TOLUENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
TRANS-1,2-DICHLOROETHENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
TRANS-1,3-DICHLOROPROPENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
TRICHLOROETHENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
VINYL CHLORIDE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
XYLENES (TOTAL)	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)

TABLE I.1

Summary of Groundwater VOC Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		TBLK	TBLK	TBLK	TBLK	TBLK1
Sample I.D.:		GW-WP-083	GW-WP-090	W-1C-031	W-1C-031	GW-WP-001
Date Sampled:		04/26/95	04/27/95	10/19/95	10/20/95	06/01/94
Parameters	*Units*					
Volatile Organic Compounds						
1,1,1-TRICHLOROETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,2,2-TETRACHLOROETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,2-TRICHLOROETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1-DICHLOROETHENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DICHLOROETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-DICHLOROPROPANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
2-BUTANONE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2-HEXANONE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
4-METHYL-2-PENTANONE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
ACETONE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BENZENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
BROMODICHLOROMETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
BROMOFORM	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
BROMOMETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
CARBON DISULFIDE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
CARBON TETRACHLORIDE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
CHLOROBENZENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
CHLOROETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
CHLOROFORM	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
CHLOROMETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
CIS-1,2-DICHLOROETHENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
CIS-1,3-DICHLOROPROPENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
DIBROMOCHLOROMETHANE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
DICHLOROMETHANE	ug/L	1.1	ND(1)	1.0	1.1	ND(1)
ETHYL BENZENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
STYRENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
TETRACHLOROETHENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
TOLUENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
TRANS-1,2-DICHLOROETHENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
TRANS-1,3-DICHLOROPROPENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
TRICHLOROETHENE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
VINYL CHLORIDE	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
XYLENES (TOTAL)	ug/L	ND(1)	ND(1)	--	--	ND(1)

TABLE I.2

Date Printed: January 31, 1996

Summary of Groundwater SVOC Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		MW-8	MW-20	MW-21L	MW-21M	MW-21M	MW-21S	MW-21S	MW-23B
Sample I.D.:		GW-WP-087	GW-WP-055	GW-WP-025	GW-WP-003	GW-WP-005	GW-WP-013	GW-WP-015	GW-WP-026
Date Sampled:		06/08/94	06/06/94	06/03/94	06/01/94	06/01/94	06/02/94	06/02/94	06/03/94
						Dupl.		Dupl.	
Parameters	*Units*								
Semivolatile Organic Compounds									
1,2,4-TRICHLOROBENZENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(10) UJ	ND(10) UJ	ND(10) UJ	ND(10) UJ
1,2-DICHLOROBENZENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
1,3-DICHLOROBENZENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
1,4-DICHLOROBENZENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(10) UJ	ND(10) UJ	ND(10) UJ	ND(10) UJ
2,4,5-TRICHLOROPHENOL	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
2,4,6-TRICHLOROPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2,4-DICHLOROPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2,4-DIMETHYLPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2,4-DINITROPHENOL	ug/L	ND(50) UJ	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
2,4-DINITROTOLUENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2,6-DINITROTOLUENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2-CHLORONAPHTHALENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2-CHLOROPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2-METHYLNAPHTHALENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2-METHYLPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2-NITROANILINE	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
2-NITROPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
3,3'-DICHLOROBENZIDINE	ug/L	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)
3-NITROANILINE	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
4,6-DINITRO-2-METHYLPHENOL	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
4-BROMOPHENYLPHENYL ETHER	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
4-CHLORO-3-METHYLPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
4-CHLOROANILINE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
4-CHLOROPHENYLPHENYL ETHER	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
4-METHYLPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
4-NITROANILINE	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
4-NITROPHENOL	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
ACENAPHTHENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
ACENAPHTHYLENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
ANTHRACENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BENZ(A)ANTHRACENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BENZO(A)PYRENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BENZO(B)FLUORANTHENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BENZO(G,H,I)PERYLENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BENZO(K)FLUORANTHENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BIS(2-CHLOROETHOXY)METHANE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BIS(2-CHLOROETHYL)ETHER	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BIS(2-CHLOROISOPROPYL)ETHER	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BIS(2-ETHYLHEXYL)PHTHALATE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BUTYLBENZYLPHTHALATE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)

TABLE I.2

Summary of Groundwater SVOC Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		MW-8	MW-20	MW-21L	MW-21M	MW-21M	MW-21S	MW-21S	MW-23B
Sample I.D.:		GW-WP-087	GW-WP-055	GW-WP-025	GW-WP-003	GW-WP-005	GW-WP-013	GW-WP-015	GW-WP-026
Date Sampled:		06/08/94	06/06/94	06/03/94	06/01/94	06/01/94	06/02/94	06/02/94	06/03/94
						Dupl.		Dupl.	
Parameters	*Units*								
Semivolatile Organic Compounds (Cont'd)									
CARBAZOLE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
CHRYSENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
DI-N-BUTYLPHTHALATE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
DI-N-OCTYLPHTHALATE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
DIBENZ(A,H)ANTHRACENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
DIBENZOFURAN	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
DIETHYLPHTHALATE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
DIMETHYLPHTHALATE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
FLUORANTHENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
FLUORENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
HEXACHLOROBENZENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
HEXACHLOROBUTADIENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
HEXACHLOROCYCLOPENTADIENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
HEXACHLOROETHANE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
INDENO(1,2,3-CD)PYRENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
ISOPHORONE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
N-NITROSO-DI-N-PROPYLAMINE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
N-NITROSODIPHENYLAMINE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
NAPHTHALENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
NITROBENZENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
PENTACHLOROPHENOL	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
PHENANTHRENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
PHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
PYRENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)

TABLE I.2

Date Printed: January 31, 1996

Summary of Groundwater SVOC Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		MW-24B	MW-25B	MW-26	MW-26	MW-27B	MW-28B	MW-29B	MW-30B
Sample I.D.:		GW-WP-048	GW-WP-007	GW-WP-066	GW-WP-068	GW-WP-010	GW-WP-020	GW-WP-023	GW-WP-032
Date Sampled:		06/06/94	06/01/94	06/08/94	06/08/94	06/01/94	06/02/94	06/03/94	06/05/94
					Dupl.				
Parameters	*Units*								
Semivolatile Organic Compounds									
1,2,4-TRICHLOROBENZENE	ug/L	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10) UJ	ND(10) UJ	ND(10) UJ	ND(10)
1,2-DICHLOROBENZENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
1,3-DICHLOROBENZENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
1,4-DICHLOROBENZENE	ug/L	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10) UJ	ND(10) UJ	ND(10) UJ	ND(10)
2,4,5-TRICHLOROPHENOL	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
2,4,6-TRICHLOROPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2,4-DICHLOROPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2,4-DIMETHYLPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2,4-DINITROPHENOL	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
2,4-DINITROTOLUENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2,6-DINITROTOLUENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2-CHLORONAPHTHALENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2-CHLOROPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2-METHYLNAPHTHALENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2-METHYLPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2-NITROANILINE	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
2-NITROPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
3,3'-DICHLOROBENZIDINE	ug/L	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)
3-NITROANILINE	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
4,6-DINITRO-2-METHYLPHENOL	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
4-BROMOPHENYLPHENYL ETHER	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
4-CHLORO-3-METHYLPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
4-CHLOROANILINE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
4-CHLOROPHENYLPHENYL ETHER	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
4-METHYLPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
4-NITROANILINE	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
4-NITROPHENOL	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
ACENAPHTHENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
ACENAPHTHYLENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
ANTHRACENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BENZ(A)ANTHRACENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BENZO(A)PYRENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BENZO(B)FLUORANTHENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BENZO(G,H,I)PERYLENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BENZO(K)FLUORANTHENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BIS(2-CHLOROETHOXY)METHANE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BIS(2-CHLOROETHYL)ETHER	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BIS(2-CHLOROISOPROPYL)ETHER	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BIS(2-ETHYLHEXYL)PHTHALATE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BUTYLBENZYLPHTHALATE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)

TABLE I.2

Summary of Groundwater SVOC Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		MW-24B	MW-25B	MW-26	MW-26	MW-27B	MW-28B	MW-29B	MW-30B
Sample I.D.:		GW-WP-048	GW-WP-007	GW-WP-066	GW-WP-068	GW-WP-010	GW-WP-020	GW-WP-023	GW-WP-032
Date Sampled:		06/06/94	06/01/94	06/08/94	06/08/94	06/01/94	06/02/94	06/03/94	06/05/94
					Dupl.				
Parameters	*Units*								
Semivolatile Organic Compounds (Cont'd)									
CARBAZOLE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
CHRYSENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
DI-N-BUTYLPHTHALATE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
DI-N-OCTYLPHTHALATE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
DIBENZ(A,H)ANTHRACENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
DIBENZOFURAN	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
DIETHYLPHTHALATE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
DIMETHYLPHTHALATE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
FLUORANTHENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
FLUORENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
HEXACHLOROBENZENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
HEXACHLOROBUTADIENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
HEXACHLOROCYCLOPENTADIENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
HEXACHLOROETHANE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
INDENO(1,2,3-CD)PYRENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
ISOPHORONE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
N-NITROSO-DI-N-PROPYLAMINE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
N-NITROSODIPHENYLAMINE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
NAPHTHALENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
NITROBENZENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
PENTACHLOROPHENOL	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
PHENANTHRENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
PHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
PYRENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)

TABLE I.2

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Summary of Groundwater SVOC Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		MW-31B	MW-32B	MW-33B	MW-33B	P-1	P-1A	P-2A	P-2A
Sample I.D.:		GW-WP-052	GW-WP-058	GW-WP-074	GW-WP-076	GW-WP-088	GW-WP-044	GW-WP-054	GW-WP-056
Date Sampled:		06/06/94	06/07/94	06/08/94	06/08/94	06/15/94	06/08/94	06/07/94	06/07/94
					Dupl.				Dupl.
Parameters	*Units*								
Semivolatile Organic Compounds									
1,2,4-TRICHLOROBENZENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
1,2-DICHLOROBENZENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
1,3-DICHLOROBENZENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
1,4-DICHLOROBENZENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2,4,5-TRICHLOROPHENOL	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
2,4,6-TRICHLOROPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2,4-DICHLOROPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2,4-DIMETHYLPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2,4-DINITROPHENOL	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
2,4-DINITROTOLUENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)
2,6-DINITROTOLUENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2-CHLORONAPHTHALENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2-CHLOROPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2-METHYLNAPHTHALENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2-METHYLPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2-NITROANILINE	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
2-NITROPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
3,3'-DICHLOROBENZIDINE	ug/L	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)
3-NITROANILINE	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
4,6-DINITRO-2-METHYLPHENOL	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
4-BROMOPHENYLPHENYL ETHER	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
4-CHLORO-3-METHYLPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
4-CHLOROANILINE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
4-CHLOROPHENYLPHENYL ETHER	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
4-METHYLPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	49	49
4-NITROANILINE	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
4-NITROPHENOL	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
ACENAPHTHENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
ACENAPHTHYLENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
ANTHRACENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BENZ(A)ANTHRACENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BENZO(A)PYRENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BENZO(B)FLUORANTHENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BENZO(G,H,I)PERYLENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BENZO(K)FLUORANTHENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BIS(2-CHLOROETHOXY)METHANE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BIS(2-CHLOROETHYL)ETHER	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BIS(2-CHLOROISOPROPYL)ETHER	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BIS(2-ETHYLHEXYL)PHTHALATE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BUTYLBENZYLPHTHALATE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)

TABLE I.2

Summary of Groundwater SVOC Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		MW-31B	MW-32B	MW-33B	MW-33B	P-1	P-1A	P-2A	P-2A
Sample I.D.:		GW-WP-052	GW-WP-058	GW-WP-074	GW-WP-076	GW-WP-088	GW-WP-044	GW-WP-054	GW-WP-056
Date Sampled:		06/06/94	06/07/94	06/08/94	06/08/94	06/15/94	06/08/94	06/07/94	06/07/94
					Dupl.				Dupl.
Parameters	*Units*								
Semivolatile Organic Compounds (Cont'd)									
CARBAZOLE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
CHRYSENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
DI-N-BUTYLPHTHALATE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
DI-N-OCTYLPHTHALATE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
DIBENZ(A,H)ANTHRACENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
DIBENZOFURAN	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
DIETHYLPHTHALATE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
DIMETHYLPHTHALATE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
FLUORANTHENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
FLUORENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
HEXACHLOROBENZENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
HEXACHLOROBUTADIENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
HEXACHLOROCYCLOPENTADIENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
HEXACHLOROETHANE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
INDENO(1,2,3-CD)PYRENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
ISOPHORONE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	12	11
N-NITROSO-DI-N-PROPYLAMINE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
N-NITROSODIPHENYLAMINE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
NAPHTHALENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
NITROBENZENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	270 J	260 J
PENTACHLOROPHENOL	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
PHENANTHRENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
PHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	220 J	220 J
PYRENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)

TABLE I.2

Date Printed: January 31, 1996

Summary of Groundwater SVOC Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		P-2A DIL	P-2A DIL	P-2B	P-2C2	P-4B	P-4C1	P-4C2	P-5B
Sample I.D.:		GW-WP-054	GW-WP-056	GW-WP-079	GW-WP-081	GW-WP-004	GW-WP-006	GW-WP-008	GW-WP-040
Date Sampled:		06/07/94	06/07/94	06/08/94	06/08/94	06/01/94	06/01/94	06/01/94	06/05/94
			Dupl.						
Parameters	*Units*								
Semivolatile Organic Compounds									
1,2,4-TRICHLOROBENZENE	ug/L	ND(50)	ND(50)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(10)
1,2-DICHLOROBENZENE	ug/L	ND(50)	ND(50)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
1,3-DICHLOROBENZENE	ug/L	ND(50)	ND(50)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
1,4-DICHLOROBENZENE	ug/L	ND(50)	ND(50)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(10)
2,4,5-TRICHLOROPHENOL	ug/L	ND(250)	ND(250)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
2,4,6-TRICHLOROPHENOL	ug/L	ND(50)	ND(50)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2,4-DICHLOROPHENOL	ug/L	ND(50)	ND(50)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2,4-DIMETHYLPHENOL	ug/L	ND(50)	ND(50)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2,4-DINITROPHENOL	ug/L	ND(250)	ND(250)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
2,4-DINITROTOLUENE	ug/L	ND(50)	ND(50)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2,6-DINITROTOLUENE	ug/L	ND(50)	ND(50)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2-CHLORONAPHTHALENE	ug/L	ND(50)	ND(50)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2-CHLOROPHENOL	ug/L	ND(50)	ND(50)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2-METHYLNAPHTHALENE	ug/L	ND(50)	ND(50)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2-METHYLPHENOL	ug/L	ND(50)	ND(50)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2-NITROANILINE	ug/L	ND(250)	ND(250)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
2-NITROPHENOL	ug/L	ND(50)	ND(50)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
3,3'-DICHLOROBENZIDINE	ug/L	ND(100)	ND(100)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)
3-NITROANILINE	ug/L	ND(250)	ND(250)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
4,6-DINITRO-2-METHYLPHENOL	ug/L	ND(250)	ND(250)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
4-BROMOPHENYLPHENYL ETHER	ug/L	ND(50)	ND(50)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
4-CHLORO-3-METHYLPHENOL	ug/L	ND(50)	ND(50)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
4-CHLOROANILINE	ug/L	ND(50)	ND(50)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
4-CHLOROPHENYLPHENYL ETHER	ug/L	ND(50)	ND(50)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
4-METHYLPHENOL	ug/L	51	54	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
4-NITROANILINE	ug/L	ND(250)	ND(250)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
4-NITROPHENOL	ug/L	ND(250)	ND(250)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
ACENAPHTHENE	ug/L	ND(50)	ND(50)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
ACENAPHTHYLENE	ug/L	ND(50)	ND(50)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
ANTHRACENE	ug/L	ND(50)	ND(50)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BENZ(A)ANTHRACENE	ug/L	ND(50)	ND(50)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BENZO(A)PYRENE	ug/L	ND(50)	ND(50)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BENZO(B)FLUORANTHENE	ug/L	ND(50)	ND(50)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BENZO(G,H,I)PERYLENE	ug/L	ND(50)	ND(50)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BENZO(K)FLUORANTHENE	ug/L	ND(50)	ND(50)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BIS(2-CHLOROETHOXY)METHANE	ug/L	ND(50)	ND(50)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BIS(2-CHLOROETHYL)ETHER	ug/L	ND(50)	ND(50)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BIS(2-CHLOROISOPROPYL)ETHER	ug/L	ND(50)	ND(50)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BIS(2-ETHYLHEXYL)PHTHALATE	ug/L	ND(50)	ND(50)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BUTYLBENZYLPHTHALATE	ug/L	ND(50)	ND(50)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)

TABLE I.2

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Summary of Groundwater SVOC Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		P-2A DIL	P-2A DIL	P-2B	P-2C2	P-4B	P-4C1	P-4C2	P-5B
Sample I.D.:		GW-WP-054	GW-WP-056	GW-WP-079	GW-WP-081	GW-WP-004	GW-WP-006	GW-WP-008	GW-WP-040
Date Sampled:		06/07/94	06/07/94	06/08/94	06/08/94	06/01/94	06/01/94	06/01/94	06/05/94
			Dupl.						
Parameters	*Units*								
Semivolatile Organic Compounds (Cont'd)									
CARBAZOLE	ug/L	ND(50)	ND(50)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
CHRYSENE	ug/L	ND(50)	ND(50)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
DI-N-BUTYLPHTHALATE	ug/L	ND(50)	ND(50)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
DI-N-OCTYLPHTHALATE	ug/L	ND(50)	ND(50)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
DIBENZ(A,H)ANTHRACENE	ug/L	ND(50)	ND(50)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
DIBENZOFURAN	ug/L	ND(50)	ND(50)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
DIETHYLPHTHALATE	ug/L	ND(50)	ND(50)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
DIMETHYLPHTHALATE	ug/L	ND(50)	ND(50)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
FLUORANTHENE	ug/L	ND(50)	ND(50)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
FLUORENE	ug/L	ND(50)	ND(50)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
HEXACHLOROBENZENE	ug/L	ND(50)	ND(50)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
HEXACHLOROBUTADIENE	ug/L	ND(50)	ND(50)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
HEXACHLOROCYCLOPENTADIENE	ug/L	ND(50)	ND(50)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
HEXACHLOROETHANE	ug/L	ND(50)	ND(50)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
INDENO(1,2,3-CD)PYRENE	ug/L	ND(50)	ND(50)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
ISOPHORONE	ug/L	ND(50)	ND(50)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
N-NITROSO-DI-N-PROPYLAMINE	ug/L	ND(50)	ND(50)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
N-NITROSODIPHENYLAMINE	ug/L	ND(50)	ND(50)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
NAPHTHALENE	ug/L	ND(50)	ND(50)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
NITROBENZENE	ug/L	280	280	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
PENTACHLOROPHENOL	ug/L	ND(250)	ND(250)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
PHENANTHRENE	ug/L	ND(50)	ND(50)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
PHENOL	ug/L	290	270	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
PYRENE	ug/L	ND(50)	ND(50)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)

TABLE I.2

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Summary of Groundwater SVOC Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		P-5C1	P-5C2	P-5C2	P-5C2	P-5C2 DIL	P-7B	P-8A	P-8B
Sample I.D.:		GW-WP-057	GW-WP-059	GW-SC-018	GW-SC-019	GW-WP-059	GW-WP-017	GW-WP-042	GW-WP-034
Date Sampled:		06/06/94	06/06/94	04/27/95	04/27/95	06/06/94	06/02/94	06/08/94	06/05/94
					Dupl.				
Parameters	*Units*								
Semivolatile Organic Compounds									
1,2,4-TRICHLOROBENZENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(40)	ND(10) UJ	ND(10)	ND(10)
1,2-DICHLOROBENZENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(40)	ND(10)	ND(10)	ND(10)
1,3-DICHLOROBENZENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(40)	ND(10)	ND(10)	ND(10)
1,4-DICHLOROBENZENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(40)	ND(10) UJ	ND(10)	ND(10)
2,4,5-TRICHLOROPHENOL	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(200)	ND(50)	ND(50)	ND(50)
2,4,6-TRICHLOROPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(40)	ND(10)	ND(10)	ND(10)
2,4-DICHLOROPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(40)	ND(10)	ND(10)	ND(10)
2,4-DIMETHYLPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(40)	ND(10)	ND(10)	ND(10)
2,4-DINITROPHENOL	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(200)	ND(50)	ND(50)	ND(50)
2,4-DINITROTOLUENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(40)	ND(10)	ND(10)	ND(10)
2,6-DINITROTOLUENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(40)	ND(10)	ND(10)	ND(10)
2-CHLORONAPHTHALENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(40)	ND(10)	ND(10)	ND(10)
2-CHLOROPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(40)	ND(10)	ND(10)	ND(10)
2-METHYLNAPHTHALENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(40)	ND(10)	ND(10)	ND(10)
2-METHYLPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(40)	ND(10)	ND(10)	ND(10)
2-NITROANILINE	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(200)	ND(50)	ND(50)	ND(50)
2-NITROPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(40)	ND(10)	ND(10)	ND(10)
3,3'-DICHLOROBENZIDINE	ug/L	ND(20)	ND(20)	ND(20)	ND(20)	ND(80)	ND(20)	ND(20)	ND(20)
3-NITROANILINE	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(200)	ND(50)	ND(50)	ND(50)
4,6-DINITRO-2-METHYLPHENOL	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(200)	ND(50)	ND(50)	ND(50)
4-BROMOPHENYLPHENYL ETHER	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(40)	ND(10)	ND(10)	ND(10)
4-CHLORO-3-METHYLPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(40)	ND(10)	ND(10)	ND(10)
4-CHLOROANILINE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(40)	ND(10)	ND(10)	ND(10)
4-CHLOROPHENYLPHENYL ETHER	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(40)	ND(10)	ND(10)	ND(10)
4-METHYLPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(40)	ND(10)	ND(10)	ND(10)
4-NITROANILINE	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(200)	ND(50)	ND(50)	ND(50)
4-NITROPHENOL	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(200)	ND(50)	ND(50)	ND(50)
ACENAPHTHENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(40)	ND(10)	ND(10)	ND(10)
ACENAPHTHYLENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(40)	ND(10)	ND(10)	ND(10)
ANTHRACENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(40)	ND(10)	ND(10)	ND(10)
BENZ(A)ANTHRACENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(40)	ND(10)	ND(10)	ND(10)
BENZO(A)PYRENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(40)	ND(10)	ND(10)	ND(10)
BENZO(B)FLUORANTHENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(40)	ND(10)	ND(10)	ND(10)
BENZO(G,H,I)PERYLENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(40)	ND(10)	ND(10)	ND(10)
BENZO(K)FLUORANTHENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(40)	ND(10)	ND(10)	ND(10)
BIS(2-CHLOROETHOXY)METHANE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(40)	ND(10)	ND(10)	ND(10)
BIS(2-CHLOROETHYL)ETHER	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(40)	ND(10)	ND(10)	ND(10)
BIS(2-CHLOROISOPROPYL)ETHER	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(40)	ND(10)	ND(10)	ND(10)
BIS(2-ETHYLHEXYL)PHTHALATE	ug/L	ND(10)	210 J	ND(10)	ND(10)	340	ND(10)	ND(10)	ND(10)
BUTYLBENZYLPHTHALATE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(40)	ND(10)	ND(10)	ND(10)

TABLE I.2

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Summary of Groundwater SVOC Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		P-5C1	P-5C2	P-5C2	P-5C2	P-5C2 DIL	P-7B	P-8A	P-8B
Sample I.D.:		GW-WP-057	GW-WP-059	GW-SC-018	GW-SC-019	GW-WP-059	GW-WP-017	GW-WP-042	GW-WP-034
Date Sampled:		06/06/94	06/06/94	04/27/95	04/27/95	06/06/94	06/02/94	06/08/94	06/05/94
					Dupl.				
Parameters	*Units*								
Semivolatile Organic Compounds (Cont'd)									
CARBAZOLE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(40)	ND(10)	ND(10)	ND(10)
CHRYSENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(40)	ND(10)	ND(10)	ND(10)
DI-N-BUTYLPHTHALATE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(40)	ND(10)	ND(10)	ND(10)
DI-N-OCTYLPHTHALATE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(40)	ND(10)	ND(10)	ND(10)
DIBENZ(A,H)ANTHRACENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(40)	ND(10)	ND(10)	ND(10)
DIBENZOFURAN	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(40)	ND(10)	ND(10)	ND(10)
DIETHYLPHTHALATE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(40)	ND(10)	ND(10)	ND(10)
DIMETHYLPHTHALATE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(40)	ND(10)	ND(10)	ND(10)
FLUORANTHENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(40)	ND(10)	ND(10)	ND(10)
FLUORENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(40)	ND(10)	ND(10)	ND(10)
HEXACHLOROBENZENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(40)	ND(10)	ND(10)	ND(10)
HEXACHLOROBUTADIENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(40)	ND(10)	ND(10)	ND(10)
HEXACHLOROCYCLOPENTADIENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(40)	ND(10)	ND(10)	ND(10)
HEXACHLOROETHANE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(40)	ND(10)	ND(10)	ND(10)
INDENO(1,2,3-CD)PYRENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(40)	ND(10)	ND(10)	ND(10)
ISOPHORONE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(40)	ND(10)	ND(10)	ND(10)
N-NITROSO-DI-N-PROPYLAMINE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(40)	ND(10)	ND(10)	ND(10)
N-NITROSODIPHENYLAMINE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(40)	ND(10)	ND(10)	ND(10)
NAPHTHALENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(40)	ND(10)	ND(10)	ND(10)
NITROBENZENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(40)	ND(10)	ND(10)	ND(10)
PENTACHLOROPHENOL	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(200)	ND(50)	ND(50)	ND(50)
PHENANTHRENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(40)	ND(10)	ND(10)	ND(10)
PHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(40)	ND(10)	ND(10)	ND(10)
PYRENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(40)	ND(10)	ND(10)	ND(10)

TABLE I.2

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Summary of Groundwater SVOC Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		P-8B	P-8C1	P-8C2	P-10	P-10 DIL	P-11A	P-12A	P-13A
Sample I.D.:		GW-WP-036	GW-WP-047	GW-WP-051	GW-WP-084	GW-WP-084	GW-WP-089	GW-WP-082	GW-WP-080
Date Sampled:		06/05/94	06/05/94	06/06/94	06/08/94	06/08/94	06/09/94	06/08/94	06/08/94
		Dupl.							
Parameters	*Units*								
Semivolatile Organic Compounds									
1,2,4-TRICHLOROBENZENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(200)	ND(10)	ND(10)	ND(1000)
1,2-DICHLOROBENZENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(200)	ND(10)	ND(10)	ND(1000)
1,3-DICHLOROBENZENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(200)	ND(10)	ND(10)	ND(1000)
1,4-DICHLOROBENZENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(200)	ND(10)	ND(10)	ND(1000)
2,4,5-TRICHLOROPHENOL	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(1000)	ND(50)	ND(50)	ND(5000)
2,4,6-TRICHLOROPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(200)	ND(10)	ND(10)	ND(1000)
2,4-DICHLOROPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(200)	ND(10)	ND(10)	ND(1000)
2,4-DIMETHYLPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(200)	ND(10)	ND(10)	ND(1000)
2,4-DINITROPHENOL	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(1000)	ND(50)	ND(50)	ND(5000)
2,4-DINITROTOLUENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(200)	ND(10)	ND(10)	ND(1000)
2,6-DINITROTOLUENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(200)	ND(10)	ND(10)	ND(1000)
2-CHLORONAPHTHALENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(200)	ND(10)	ND(10)	ND(1000)
2-CHLOROPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(200)	ND(10)	ND(10)	ND(1000)
2-METHYLNAPHTHALENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(200)	ND(10)	ND(10)	ND(1000)
2-METHYLPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(200)	ND(10)	ND(10)	ND(1000)
2-NITROANILINE	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(1000)	ND(50)	ND(50)	ND(5000)
2-NITROPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(200)	ND(10)	ND(10)	ND(1000)
3,3'-DICHLOROBENZIDINE	ug/L	ND(20)	ND(20)	ND(20)	ND(20)	ND(400)	ND(20)	ND(20)	ND(2000)
3-NITROANILINE	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(1000)	ND(50)	ND(50)	ND(5000)
4,6-DINITRO-2-METHYLPHENOL	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(1000)	ND(50)	ND(50)	ND(5000)
4-BROMOPHENYLPHENYL ETHER	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(200)	ND(10)	ND(10)	ND(1000)
4-CHLORO-3-METHYLPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(200)	ND(10)	ND(10)	ND(1000)
4-CHLOROANILINE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(200)	ND(10)	ND(10)	ND(1000)
4-CHLOROPHENYLPHENYL ETHER	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(200)	ND(10)	ND(10)	ND(1000)
4-METHYLPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(200)	ND(10)	ND(10)	ND(1000)
4-NITROANILINE	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(1000)	ND(50)	ND(50)	ND(5000)
4-NITROPHENOL	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(1000)	ND(50)	ND(50)	ND(5000)
ACENAPHTHENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(200)	ND(10)	ND(10)	ND(1000)
ACENAPHTHYLENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(200)	ND(10)	ND(10)	ND(1000)
ANTHRACENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(200)	ND(10)	ND(10)	ND(1000)
BENZ(A)ANTHRACENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(200)	ND(10)	ND(10)	ND(1000)
BENZO(A)PYRENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(200)	ND(10)	ND(10)	ND(1000)
BENZO(B)FLUORANTHENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(200)	ND(10)	ND(10)	ND(1000)
BENZO(G,H,I)PERYLENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(200)	ND(10)	ND(10)	ND(1000)
BENZO(K)FLUORANTHENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(200)	ND(10)	ND(10)	ND(1000)
BIS(2-CHLOROETHOXY)METHANE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(200)	ND(10)	ND(10)	ND(1000)
BIS(2-CHLOROETHYL)ETHER	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(200)	ND(10)	ND(10)	ND(1000)
BIS(2-CHLOROISOPROPYL)ETHER	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(200)	ND(10)	ND(10)	ND(1000)
BIS(2-ETHYLHEXYL)PHTHALATE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(200)	ND(10)	ND(10)	ND(1000)
BUTYLBENZYLPHTHALATE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(200)	ND(10)	ND(10)	ND(1000)

TABLE I.2

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Summary of Groundwater SVOC Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		P-8B	P-8C1	P-8C2	P-10	P-10 DIL	P-11A	P-12A	P-13A
Sample I.D.:		GW-WP-036	GW-WP-047	GW-WP-051	GW-WP-084	GW-WP-084	GW-WP-089	GW-WP-082	GW-WP-080
Date Sampled:		06/05/94	06/05/94	06/06/94	06/08/94	06/08/94	06/09/94	06/08/94	06/08/94
		Dupl.							
Parameters	*Units*								
Semivolatile Organic Compounds (Cont'd)									
CARBAZOLE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(200)	ND(10)	ND(10)	ND(1000)
CHRYSENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(200)	ND(10)	ND(10)	ND(1000)
DI-N-BUTYLPHTHALATE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(200)	ND(10)	ND(10)	ND(1000)
DI-N-OCTYLPHTHALATE	ug/L	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(200)	ND(10)	ND(10)	ND(1000)
DIBENZ(A,H)ANTHRACENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(200)	ND(10)	ND(10)	ND(1000)
DIBENZOFURAN	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(200)	ND(10)	ND(10)	ND(1000)
DIETHYLPHTHALATE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(200)	ND(10)	ND(10)	ND(1000)
DIMETHYLPHTHALATE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(200)	ND(10)	ND(10)	ND(1000)
FLUORANTHENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(200)	ND(10)	ND(10)	ND(1000)
FLUORENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(200)	ND(10)	ND(10)	ND(1000)
HEXACHLOROBENZENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(200)	ND(10)	ND(10)	ND(1000)
HEXACHLOROBUTADIENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(200)	ND(10)	ND(10)	ND(1000)
HEXACHLOROCYCLOPENTADIENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(200)	ND(10)	ND(10)	ND(1000)
HEXACHLOROETHANE	ug/L	ND(10)	ND(10)	ND(10)	120	ND(200)	ND(10)	ND(10)	ND(1000)
INDENO(1,2,3-CD)PYRENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(200)	ND(10)	ND(10)	ND(1000)
ISOPHORONE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(200)	ND(10)	ND(10)	ND(1000)
N-NITROSO-DI-N-PROPYLAMINE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(200)	ND(10)	ND(10)	ND(1000)
N-NITROSODIPHENYLAMINE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(200)	ND(10)	ND(10)	ND(1000)
NAPHTHALENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(200)	ND(10)	ND(10)	ND(1000)
NITROBENZENE	ug/L	ND(10)	ND(10)	ND(10)	940 J	1100	ND(10)	ND(10)	2800
PENTACHLOROPHENOL	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(1000)	ND(50)	ND(50)	ND(5000)
PHENANTHRENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(200)	ND(10)	ND(10)	ND(1000)
PHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(200)	ND(10)	120 J	2700
PYRENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(200)	ND(10)	ND(10)	ND(1000)

TABLE I.2

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Summary of Groundwater SVOC Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		P-14A	P-14A DIL	P-23C1	P-23C2	P-24A	P-24C1	P-24C2	P-25A
Sample I.D.:		GW-WP-064	GW-WP-064	GW-WP-028	GW-WP-030	GW-WP-046	GW-WP-065	GW-WP-063	GW-WP-009
Date Sampled:		06/07/94	06/07/94	06/03/94	06/03/94	06/06/94	06/06/94	06/06/94	06/01/94
Parameters	*Units*								
Semivolatile Organic Compounds									
1,2,4-TRICHLOROBENZENE	ug/L	ND(10)	ND(50)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)
1,2-DICHLOROBENZENE	ug/L	ND(10)	ND(50)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)
1,3-DICHLOROBENZENE	ug/L	ND(10)	ND(50)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)
1,4-DICHLOROBENZENE	ug/L	ND(10)	ND(50)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)
2,4,5-TRICHLOROPHENOL	ug/L	ND(50)	ND(250)	ND(50)	ND(50)	ND(50) UJ	ND(50)	ND(50)	ND(50)
2,4,6-TRICHLOROPHENOL	ug/L	ND(10)	ND(50)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)
2,4-DICHLOROPHENOL	ug/L	ND(10)	ND(50)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)
2,4-DIMETHYLPHENOL	ug/L	ND(10)	ND(50)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)
2,4-DINITROPHENOL	ug/L	ND(50)	ND(250)	ND(50)	ND(50)	ND(50) UJ	ND(50)	ND(50)	ND(50)
2,4-DINITROTOLUENE	ug/L	ND(10)	ND(50)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)
2,6-DINITROTOLUENE	ug/L	ND(10)	ND(50)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)
2-CHLORONAPHTHALENE	ug/L	ND(10)	ND(50)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)
2-CHLOROPHENOL	ug/L	ND(10)	ND(50)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)
2-METHYLNAPHTHALENE	ug/L	ND(10)	ND(50)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)
2-METHYLPHENOL	ug/L	ND(10)	ND(50)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)
2-NITROANILINE	ug/L	ND(50)	ND(250)	ND(50)	ND(50)	ND(50) UJ	ND(50)	ND(50)	ND(50)
2-NITROPHENOL	ug/L	ND(10)	ND(50)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)
3,3'-DICHLOROBENZIDINE	ug/L	ND(20)	ND(100)	ND(20)	ND(20)	ND(20) UJ	ND(20)	ND(20)	ND(20)
3-NITROANILINE	ug/L	ND(50)	ND(250)	ND(50)	ND(50)	ND(50) UJ	ND(50)	ND(50)	ND(50)
4,6-DINITRO-2-METHYLPHENOL	ug/L	ND(50)	ND(250)	ND(50)	ND(50)	ND(50) UJ	ND(50)	ND(50)	ND(50)
4-BROMOPHENYLPHENYL ETHER	ug/L	ND(10)	ND(50)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)
4-CHLORO-3-METHYLPHENOL	ug/L	ND(10)	ND(50)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)
4-CHLOROANILINE	ug/L	ND(10)	ND(50)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)
4-CHLOROPHENYLPHENYL ETHER	ug/L	ND(10)	ND(50)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)
4-METHYLPHENOL	ug/L	ND(10)	ND(50)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)
4-NITROANILINE	ug/L	ND(50)	ND(250)	ND(50)	ND(50)	ND(50) UJ	ND(50)	ND(50)	ND(50)
4-NITROPHENOL	ug/L	ND(50)	ND(250)	ND(50)	ND(50)	ND(50) UJ	ND(50)	ND(50)	ND(50)
ACENAPHTHENE	ug/L	ND(10)	ND(50)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)
ACENAPHTHYLENE	ug/L	ND(10)	ND(50)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)
ANTHRACENE	ug/L	ND(10)	ND(50)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)
BENZ(A)ANTHRACENE	ug/L	ND(10)	ND(50)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)
BENZO(A)PYRENE	ug/L	ND(10)	ND(50)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)
BENZO(B)FLUORANTHENE	ug/L	ND(10)	ND(50)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)
BENZO(G,H,I)PERYLENE	ug/L	ND(10)	ND(50)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)
BENZO(K)FLUORANTHENE	ug/L	ND(10)	ND(50)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)
BIS(2-CHLOROETHOXY)METHANE	ug/L	ND(10)	ND(50)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)
BIS(2-CHLOROETHYL)ETHER	ug/L	ND(10)	ND(50)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)
BIS(2-CHLOROISOPROPYL)ETHER	ug/L	ND(10)	ND(50)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)
BIS(2-ETHYLHEXYL)PHTHALATE	ug/L	ND(10)	ND(50)	ND(10)	ND(10)	ND(10) UJ	ND(10)	29	ND(10)
BUTYLBENZYLPHTHALATE	ug/L	ND(10)	ND(50)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)

TABLE I.2

Date Printed: January 31, 1996

Summary of Groundwater SVOC Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		P-14A	P-14A DIL	P-23C1	P-23C2	P-24A	P-24C1	P-24C2	P-25A
Sample I.D.:		GW-WP-064	GW-WP-064	GW-WP-028	GW-WP-030	GW-WP-046	GW-WP-065	GW-WP-063	GW-WP-009
Date Sampled:		06/07/94	06/07/94	06/03/94	06/03/94	06/06/94	06/06/94	06/06/94	06/01/94
Parameters	*Units*								
Semivolatile Organic Compounds (Cont'd)									
CARBAZOLE	ug/L	ND(10)	ND(50)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)
CHRYSENE	ug/L	ND(10)	ND(50)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)
DI-N-BUTYLPHTHALATE	ug/L	ND(10)	ND(50)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)
DI-N-OCTYLPHTHALATE	ug/L	ND(10)	ND(50)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)
DIBENZ(A,H)ANTHRACENE	ug/L	ND(10)	ND(50)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)
DIBENZOFURAN	ug/L	ND(10)	ND(50)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)
DIETHYLPHTHALATE	ug/L	ND(10)	ND(50)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)
DIMETHYLPHTHALATE	ug/L	ND(10)	ND(50)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)
FLUORANTHENE	ug/L	ND(10)	ND(50)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)
FLUORENE	ug/L	ND(10)	ND(50)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)
HEXACHLOROBENZENE	ug/L	ND(10)	ND(50)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)
HEXACHLOROBUTADIENE	ug/L	ND(10)	ND(50)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)
HEXACHLOROCYCLOPENTADIENE	ug/L	ND(10)	ND(50)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)
HEXACHLOROETHANE	ug/L	ND(10)	ND(50)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)
INDENO(1,2,3-CD)PYRENE	ug/L	ND(10)	ND(50)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)
ISOPHORONE	ug/L	ND(10)	ND(50)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)
N-NITROSO-DI-N-PROPYLAMINE	ug/L	ND(10)	ND(50)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)
N-NITROSODIPHENYLAMINE	ug/L	ND(10)	ND(50)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)
NAPHTHALENE	ug/L	ND(10)	ND(50)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)
NITROBENZENE	ug/L	390 J	570	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)
PENTACHLOROPHENOL	ug/L	ND(50)	ND(250)	ND(50)	ND(50)	ND(50) UJ	ND(50)	ND(50)	ND(50)
PHENANTHRENE	ug/L	ND(10)	ND(50)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)
PHENOL	ug/L	ND(10)	ND(50)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)
PYRENE	ug/L	ND(10)	ND(50)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)

TABLE I.2

Summary of Groundwater SVOC Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		P-25C2	P-26A	P-27A	P-27C1	P-27C2	P-28A	P-28C1	P-28C2
Sample I.D.:		GW-WP-011	GW-WP-070	GW-SC-008	GW-WP-012	GW-WP-014	GW-WP-114	GW-WP-022	GW-WP-024
Date Sampled:		06/02/94	06/08/94	04/26/95	06/02/94	06/02/94	06/01/91	06/05/94	06/03/94
Parameters	*Units*								
Semivolatile Organic Compounds									
1,2,4-TRICHLOROBENZENE	ug/L	ND(10) UJ	ND(10)	ND(10)	ND(10) UJ	ND(10) UJ	ND(10)	ND(10)	ND(10) UJ
1,2-DICHLOROBENZENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)	ND(10)
1,3-DICHLOROBENZENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)	ND(10)
1,4-DICHLOROBENZENE	ug/L	ND(10) UJ	ND(10)	ND(10)	ND(10) UJ	ND(10) UJ	ND(10)	ND(10)	ND(10) UJ
2,4,5-TRICHLOROPHENOL	ug/L	ND(50)	ND(50)	ND(50)	ND(50) UJ	ND(50)	ND(50)	ND(50)	ND(50)
2,4,6-TRICHLOROPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)	ND(10)
2,4-DICHLOROPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)	ND(10)
2,4-DIMETHYLPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)	ND(10)
2,4-DINITROPHENOL	ug/L	ND(50)	ND(50)	ND(50)	ND(50) UJ	ND(50)	ND(50)	ND(50)	ND(50)
2,4-DINITROTOLUENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)	ND(10)
2,6-DINITROTOLUENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)	ND(10)
2-CHLORONAPHTHALENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)	ND(10)
2-CHLOROPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)	ND(10)
2-METHYLNAPHTHALENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)	ND(10)
2-METHYLPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)	ND(10)
2-NITROANILINE	ug/L	ND(50)	ND(50)	ND(50)	ND(50) UJ	ND(50)	ND(50)	ND(50)	ND(50)
2-NITROPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)	ND(10)
3,3'-DICHLOROBENZIDINE	ug/L	ND(20)	ND(20)	ND(20)	ND(20) UJ	ND(20)	ND(20)	ND(20)	ND(20)
3-NITROANILINE	ug/L	ND(50)	ND(50)	ND(50)	ND(50) UJ	ND(50)	ND(50)	ND(50)	ND(50)
4,6-DINITRO-2-METHYLPHENOL	ug/L	ND(50)	ND(50)	ND(50)	ND(50) UJ	ND(50)	ND(50)	ND(50)	ND(50)
4-BROMOPHENYLPHENYL ETHER	ug/L	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)	ND(10)
4-CHLORO-3-METHYLPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)	ND(10)
4-CHLOROANILINE	ug/L	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)	ND(10)
4-CHLOROPHENYLPHENYL ETHER	ug/L	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)	ND(10)
4-METHYLPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)	ND(10)
4-NITROANILINE	ug/L	ND(50)	ND(50)	ND(50)	ND(50) UJ	ND(50)	ND(50)	ND(50)	ND(50)
4-NITROPHENOL	ug/L	ND(50)	ND(50)	ND(50)	ND(50) UJ	ND(50)	ND(50)	ND(50)	ND(50)
ACENAPHTHENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)	ND(10)
ACENAPHTHYLENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)	ND(10)
ANTHRACENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)	ND(10)
BENZ(A)ANTHRACENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)	ND(10)
BENZO(A)PYRENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)	ND(10)
BENZO(B)FLUORANTHENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)	ND(10)
BENZO(G,H,I)PERYLENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)	ND(10)
BENZO(K)FLUORANTHENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)	ND(10)
BIS(2-CHLOROETHOXY)METHANE	ug/L	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)	ND(10)
BIS(2-CHLOROETHYL)ETHER	ug/L	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)	ND(10)
BIS(2-CHLOROISOPROPYL)ETHER	ug/L	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)	ND(10)
BIS(2-ETHYLHEXYL)PHTHALATE	ug/L	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)	ND(10)
BUTYLBENZYLPHTHALATE	ug/L	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)	ND(10)

TABLE I.2

Summary of Groundwater SVOC Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		P-25C2	P-26A	P-27A	P-27C1	P-27C2	P-28A	P-28C1	P-28C2
Sample I.D.:		GW-WP-011	GW-WP-070	GW-SC-008	GW-WP-012	GW-WP-014	GW-WP-114	GW-WP-022	GW-WP-024
Date Sampled:		06/02/94	06/08/94	04/26/95	06/02/94	06/02/94	06/01/91	06/05/94	06/03/94
Parameters	*Units*								
Semivolatile Organic Compounds (Cont'd)									
CARBAZOLE	ug/L	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)	ND(10)
CHRYSENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)	ND(10)
DI-N-BUTYLPHTHALATE	ug/L	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)	ND(10)
DI-N-OCTYLPHTHALATE	ug/L	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)	ND(10)
DIBENZ(A,H)ANTHRACENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)	ND(10)
DIBENZOFURAN	ug/L	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)	ND(10)
DIETHYLPHTHALATE	ug/L	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)	ND(10)
DIMETHYLPHTHALATE	ug/L	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)	ND(10)
FLUORANTHENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)	ND(10)
FLUORENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)	ND(10)
HEXACHLOROBENZENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)	ND(10)
HEXACHLOROBUTADIENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)	ND(10)
HEXACHLOROCYCLOPENTADIENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)	ND(10)
HEXACHLOROETHANE	ug/L	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)	ND(10)
INDENO(1,2,3-CD)PYRENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)	ND(10)
ISOPHORONE	ug/L	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)	ND(10)
N-NITROSO-DI-N-PROPYLAMINE	ug/L	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)	ND(10)
N-NITROSODIPHENYLAMINE	ug/L	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)	ND(10)
NAPHTHALENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)	ND(10)
NITROBENZENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)	ND(10)
PENTACHLOROPHENOL	ug/L	ND(50)	ND(50)	ND(50)	ND(50) UJ	ND(50)	ND(50)	ND(50)	ND(50)
PHENANTHRENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)	ND(10)
PHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)	ND(10)
PYRENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10) UJ	ND(10)	ND(10)	ND(10)	ND(10)

TABLE I.2

Summary of Groundwater SVOC Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		P-29A	P-29C2	P-30C1	P-30C2	P-31A	P-31C1	P-31C2	P-31C3
Sample I.D.:		GW-WP-021	GW-WP-049	GW-WP-045	GW-WP-043	GW-SC-014	GW-WP-067	GW-WP-077	GW-SC-021
Date Sampled:		06/03/94	06/05/94	06/05/94	06/05/94	04/27/95	06/07/94	06/08/94	04/27/95
Parameters	*Units*								
Semivolatile Organic Compounds									
1,2,4-TRICHLOROBENZENE	ug/L	ND(10) UJ	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
1,2-DICHLOROBENZENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
1,3-DICHLOROBENZENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
1,4-DICHLOROBENZENE	ug/L	ND(10) UJ	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2,4,5-TRICHLOROPHENOL	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(50) R	ND(50)	ND(50)	ND(50)
2,4,6-TRICHLOROPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10) R	ND(10)	ND(10)	ND(10)
2,4-DICHLOROPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10) R	ND(10)	ND(10)	ND(10)
2,4-DIMETHYLPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10) R	ND(10)	ND(10)	ND(10)
2,4-DINITROPHENOL	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(50) R	ND(50)	ND(50)	ND(50)
2,4-DINITROTOLUENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2,6-DINITROTOLUENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2-CHLORONAPHTHALENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2-CHLOROPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10) R	ND(10)	ND(10)	ND(10)
2-METHYLNAPHTHALENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2-METHYLPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10) R	ND(10)	ND(10)	ND(10)
2-NITROANILINE	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
2-NITROPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10) R	ND(10)	ND(10)	ND(10)
3,3'-DICHLOROBENZIDINE	ug/L	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)
3-NITROANILINE	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
4,6-DINITRO-2-METHYLPHENOL	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(50) R	ND(50)	ND(50)	ND(50)
4-BROMOPHENYLPHENYL ETHER	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
4-CHLORO-3-METHYLPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10) R	ND(10)	ND(10)	ND(10)
4-CHLOROANILINE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
4-CHLOROPHENYLPHENYL ETHER	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
4-METHYLPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10) R	ND(10)	ND(10)	ND(10)
4-NITROANILINE	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
4-NITROPHENOL	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(50) R	ND(50)	ND(50)	ND(50)
ACENAPHTHENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
ACENAPHTHYLENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
ANTHRACENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BENZ(A)ANTHRACENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BENZO(A)PYRENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BENZO(B)FLUORANTHENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BENZO(G,H,I)PERYLENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BENZO(K)FLUORANTHENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BIS(2-CHLOROETHOXY)METHANE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BIS(2-CHLOROETHYL)ETHER	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BIS(2-CHLOROISOPROPYL)ETHER	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BIS(2-ETHYLHEXYL)PHTHALATE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BUTYLBENZYLPHTHALATE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)

TABLE I.2

Summary of Groundwater SVOC Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		P-29A	P-29C2	P-30C1	P-30C2	P-31A	P-31C1	P-31C2	P-31C3
Sample I.D.:		GW-WP-021	GW-WP-049	GW-WP-045	GW-WP-043	GW-SC-014	GW-WP-067	GW-WP-077	GW-SC-021
Date Sampled:		06/03/94	06/05/94	06/05/94	06/05/94	04/27/95	06/07/94	06/08/94	04/27/95
Parameters	*Units*								
Semivolatile Organic Compounds (Cont'd)									
CARBAZOLE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
CHRYSENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
DI-N-BUTYLPHTHALATE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
DI-N-OCTYLPHTHALATE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
DIBENZ(A,H)ANTHRACENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
DIBENZOFURAN	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
DIETHYLPHTHALATE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
DIMETHYLPHTHALATE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
FLUORANTHENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
FLUORENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
HEXACHLOROBENZENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
HEXACHLOROBUTADIENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
HEXACHLOROCYCLOPENTADIENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
HEXACHLOROETHANE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
INDENO(1,2,3-CD)PYRENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
ISOPHORONE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
N-NITROSO-DI-N-PROPYLAMINE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
N-NITROSODIPHENYLAMINE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
NAPHTHALENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
NITROBENZENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
PENTACHLOROPHENOL	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(50) R	ND(50)	ND(50)	ND(50)
PHENANTHRENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
PHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10) R	ND(10)	ND(10)	ND(10)
PYRENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)

TABLE I.2

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Summary of Groundwater SVOC Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		P-31C4	P-32A	P-32C2	P-33A	P-34*B	P-34*C1	P-34*C1	P-34*C2
Sample I.D.:		GW-SC-020	GW-SC-009	GW-WP-069	GW-WP-078	GW-WP-062	GW-WP-073	GW-WP-075	GW-WP-071
Date Sampled:		04/27/95	04/26/95	06/07/94	06/08/94	06/07/94	06/08/94	06/08/94	06/08/94
								Dupl.	
Parameters	*Units*								
Semivolatile Organic Compounds									
1,2,4-TRICHLOROBENZENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
1,2-DICHLOROBENZENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
1,3-DICHLOROBENZENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
1,4-DICHLOROBENZENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2,4,5-TRICHLOROPHENOL	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
2,4,6-TRICHLOROPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2,4-DICHLOROPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2,4-DIMETHYLPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2,4-DINITROPHENOL	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
2,4-DINITROTOLUENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2,6-DINITROTOLUENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2-CHLORONAPHTHALENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2-CHLOROPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2-METHYLNAPHTHALENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2-METHYLPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2-NITROANILINE	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
2-NITROPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
3,3'-DICHLOROBENZIDINE	ug/L	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)
3-NITROANILINE	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
4,6-DINITRO-2-METHYLPHENOL	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
4-BROMOPHENYLPHENYL ETHER	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
4-CHLORO-3-METHYLPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
4-CHLOROANILINE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
4-CHLOROPHENYLPHENYL ETHER	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
4-METHYLPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
4-NITROANILINE	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
4-NITROPHENOL	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
ACENAPHTHENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
ACENAPHTHYLENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
ANTHRACENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BENZ(A)ANTHRACENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BENZO(A)PYRENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BENZO(B)FLUORANTHENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BENZO(G,H,I)PERYLENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BENZO(K)FLUORANTHENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BIS(2-CHLOROETHOXY)METHANE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BIS(2-CHLOROETHYL)ETHER	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BIS(2-CHLOROISOPROPYL)ETHER	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BIS(2-ETHYLHEXYL)PHTHALATE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BUTYLBENZYLPHTHALATE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)

TABLE I.2

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Summary of Groundwater SVOC Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		P-31C4	P-32A	P-32C2	P-33A	P-34*B	P-34*C1	P-34*C1	P-34*C2
Sample I.D.:		GW-SC-020	GW-SC-009	GW-WP-069	GW-WP-078	GW-WP-062	GW-WP-073	GW-WP-075	GW-WP-071
Date Sampled:		04/27/95	04/26/95	06/07/94	06/08/94	06/07/94	06/08/94	06/08/94	06/08/94
								Dupl.	
Parameters	*Units*								
Semivolatile Organic Compounds (Cont'd)									
CARBAZOLE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
CHRYSENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
DI-N-BUTYLPHTHALATE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
DI-N-OCTYLPHTHALATE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
DIBENZ(A,H)ANTHRACENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
DIBENZOFURAN	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
DIETHYLPHTHALATE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
DIMETHYLPHTHALATE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
FLUORANTHENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
FLUORENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
HEXACHLOROBENZENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
HEXACHLOROBUTADIENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
HEXACHLOROCYCLOPENTADIENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
HEXACHLOROETHANE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
INDENO(1,2,3-CD)PYRENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
ISOPHORONE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
N-NITROSO-DI-N-PROPYLAMINE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
N-NITROSODIPHENYLAMINE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
NAPHTHALENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
NITROBENZENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
PENTACHLOROPHENOL	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
PHENANTHRENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
PHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
PYRENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)

TABLE I.2

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Summary of Groundwater SVOC Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		RBLK(MW-28B)	RBLK(MW-31B)	RBLK(MW-33B)	RBLK(P-1)	RBLK(P-4C1)	RBLK(P-11A)	RBLK(P-24C2)	RBLK(P-29A)
Sample I.D.:		GW-WP-018	GW-WP-050	GW-WP-072	GW-WP-086	GW-WP-002	GW-WP-085	GW-SC-015	GW-WP-019
Date Sampled:		06/02/94	06/06/94	06/08/94	06/14/94	06/01/94	06/08/94	04/26/95	06/03/94
Parameters	*Units*								
Semivolatile Organic Compounds									
1,2,4-TRICHLOROBENZENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
1,2-DICHLOROBENZENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
1,3-DICHLOROBENZENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
1,4-DICHLOROBENZENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2,4,5-TRICHLOROPHENOL	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
2,4,6-TRICHLOROPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2,4-DICHLOROPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2,4-DIMETHYLPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2,4-DINITROPHENOL	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
2,4-DINITROTOLUENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2,6-DINITROTOLUENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2-CHLORONAPHTHALENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2-CHLOROPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2-METHYLNAPHTHALENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2-METHYLPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2-NITROANILINE	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
2-NITROPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
3,3'-DICHLOROBENZIDINE	ug/L	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)
3-NITROANILINE	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
4,6-DINITRO-2-METHYLPHENOL	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
4-BROMOPHENYLPHENYL ETHER	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
4-CHLORO-3-METHYLPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
4-CHLOROANILINE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
4-CHLOROPHENYLPHENYL ETHER	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
4-METHYLPHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
4-NITROANILINE	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
4-NITROPHENOL	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
ACENAPHTHENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
ACENAPHTHYLENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
ANTHRACENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BENZ(A)ANTHRACENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BENZO(A)PYRENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BENZO(B)FLUORANTHENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BENZO(G,H,I)PERYLENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BENZO(K)FLUORANTHENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BIS(2-CHLOROETHOXY)METHANE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BIS(2-CHLOROETHYL)ETHER	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BIS(2-CHLOROISOPROPYL)ETHER	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BIS(2-ETHYLHEXYL)PHTHALATE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
BUTYLBENZYLPHTHALATE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)

TABLE I.2

Date Printed: January 31, 1996

Summary of Groundwater SVOC Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		RBLK(MW-28B)	RBLK(MW-31B)	RBLK(MW-33B)	RBLK(P-1)	RBLK(P-4C1)	RBLK(P-11A)	RBLK(P-24C2)	RBLK(P-29A)
Sample I.D.:		GW-WP-018	GW-WP-050	GW-WP-072	GW-WP-086	GW-WP-002	GW-WP-085	GW-SC-015	GW-WP-019
Date Sampled:		06/02/94	06/06/94	06/08/94	06/14/94	06/01/94	06/08/94	04/26/95	06/03/94
Parameters	*Units*								
Semivolatile Organic Compounds (Cont'd)									
CARBAZOLE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
CHRYSENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
DI-N-BUTYLPHTHALATE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
DI-N-OCTYLPHTHALATE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
DIBENZ(A,H)ANTHRACENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
DIBENZOFURAN	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
DIETHYLPHTHALATE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
DIMETHYLPHTHALATE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
FLUORANTHENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
FLUORENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
HEXACHLOROBENZENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
HEXACHLOROBUTADIENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
HEXACHLOROCYCLOPENTADIENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
HEXACHLOROETHANE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
INDENO(1,2,3-CD)PYRENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
ISOPHORONE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
N-NITROSO-DI-N-PROPYLAMINE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
N-NITROSODIPHENYLAMINE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
NAPHTHALENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
NITROBENZENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
PENTACHLOROPHENOL	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
PHENANTHRENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
PHENOL	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
PYRENE	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)

TABLE I.3

Date Printed: January 31, 1996

Summary of Groundwater TAL Metals Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		MW-8	MW-20	MW-21L	MW-21M	MW-21M	MW-21S	MW-21S	MW-23B
Sample I.D.:		GW-WP-087	GW-WP-055	GW-WP-025	GW-WP-003	GW-WP-005	GW-WP-013	GW-WP-015	GW-WP-026
Date Sampled:		06/08/94	06/06/94	06/03/94	06/01/94	06/01/94	06/02/94	06/02/94	06/03/94
						Dupl.		Dupl.	
Parameters	*Units*								
TAL Metals									
ALUMINUM	mg/L	ND(0.050) UJ	6.1	1.1	30 J	ND(0.050) UJ	0.66	0.84	14
ALUMINUM, DISSOLVED	mg/L	ND(0.050) UJ	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
ANTIMONY	mg/L	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.030)
ANTIMONY, DISSOLVED	mg/L	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.030)
ARSENIC	mg/L	ND(0.0050)	0.018	0.0062	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	0.074
ARSENIC, DISSOLVED	mg/L	ND(0.0050)	ND(0.0050)	0.0082	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	0.013
BARIUM	mg/L	0.11	0.11 R	0.16	0.055	0.055	0.036	0.036	0.17
BARIUM, DISSOLVED	mg/L	0.11	0.048	0.15	0.055	0.055	0.032	0.032	0.11
BERYLLIUM	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
BERYLLIUM, DISSOLVED	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
CADMIUM	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
CADMIUM, DISSOLVED	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
CALCIUM	mg/L	83	120	84	81	80	100	100	270
CALCIUM, DISSOLVED	mg/L	84	88	77	81	80	100	98	120
CHROMIUM	mg/L	ND(0.010)	0.080	0.018	ND(0.010)	ND(0.010)	0.015	0.017	0.068
CHROMIUM, DISSOLVED	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
COBALT	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	0.022
COBALT, DISSOLVED	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
COPPER	mg/L	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	0.027
COPPER, DISSOLVED	mg/L	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)
IRON	mg/L	3.3	19	3.1	2.5	2.5	1.4	1.7	54
IRON, DISSOLVED	mg/L	2.9	0.088	0.94	2.5	2.5	0.098 J	0.13 J	8.6
LEAD	mg/L	ND(0.0030)	0.012	ND(0.0030)	0.018 J	0.0053 J	ND(0.0030)	0.0052	0.051
LEAD, DISSOLVED	mg/L	ND(0.0030)	ND(0.0030)	0.0035	ND(0.0030)	ND(0.0030)	ND(0.0030)	ND(0.0030)	0.014
MAGNESIUM	mg/L	28	49	31	28	27	77	77	99
MAGNESIUM, DISSOLVED	mg/L	28	34	28	28	28	77	77	23
MANGANESE	mg/L	0.044	0.99	0.13	0.070	0.069	0.48	0.50	1.4
MANGANESE, DISSOLVED	mg/L	0.044	0.11	0.090	0.070	0.065	0.30	0.33	0.23
MERCURY	mg/L	ND(0.00050)	ND(0.00020)	ND(0.00020)	ND(0.00050)	ND(0.00050)	ND(0.00050)	ND(0.00050)	ND(0.00020)
MERCURY, DISSOLVED	mg/L	ND(0.00050)	ND(0.00020)	ND(0.00050)	ND(0.00050)	ND(0.00050)	ND(0.00050)	ND(0.00050)	ND(0.00050)
NICKEL	mg/L	ND(0.010)	0.069	0.021	ND(0.010)	ND(0.010)	0.024	0.030	0.056
NICKEL, DISSOLVED	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	0.016	0.014	ND(0.010)
POTASSIUM	mg/L	1.1	3.7	1.6	1.1	1.1	2.3	2.3	7.4
POTASSIUM, DISSOLVED	mg/L	1.0	2.0	1.2	0.98	1.0	2.0	1.8	2.3
SELENIUM	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
SELENIUM, DISSOLVED	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
SILVER	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
SILVER, DISSOLVED	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
SODIUM	mg/L	4.3 J	5.9	5.8	2.9	2.9	8.4	8.2	9.8
SODIUM, DISSOLVED	mg/L	4.3	5.9	5.6	2.6	2.6	8.4	8.0	9.2

TABLE I.3

Summary of Groundwater TAL Metals Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		MW-8	MW-20	MW-21L	MW-21M	MW-21M	MW-21S	MW-21S	MW-23B
Sample I.D.:		GW-WP-087	GW-WP-055	GW-WP-025	GW-WP-003	GW-WP-005	GW-WP-013	GW-WP-015	GW-WP-026
Date Sampled:		06/08/94	06/06/94	06/03/94	06/01/94	06/01/94	06/02/94	06/02/94	06/03/94
						Dupl.		Dupl.	
Parameters	*Units*								
TAL Metals (Cont'd)									
THALLIUM	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
THALLIUM, DISSOLVED	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
VANADIUM	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	0.032
VANADIUM, DISSOLVED	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
ZINC	mg/L	2.5	0.070 R	0.084	0.040 J	0.020 J	0.040 J	0.032 J	0.20 R
ZINC, DISSOLVED	mg/L	1.9	ND(0.020)	0.034	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)

TABLE I.3

Date Printed: January 31, 1996

Summary of Groundwater TAL Metals Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		MW-24B	MW-25B	MW-26	MW-26	MW-27B	MW-28B	MW-29B	MW-30B
Sample I.D.:		GW-WP-048	GW-WP-007	GW-WP-066	GW-WP-068	GW-WP-010	GW-WP-020	GW-WP-023	GW-WP-032
Date Sampled:		06/06/94	06/01/94	06/08/94	06/08/94	06/01/94	06/02/94	06/03/94	06/05/94
					Dupl.				
Parameters	*Units*								
TAL Metals									
ALUMINUM	mg/L	12	ND(0.050)	13 J	10 J	170	46	6.9	ND(0.050)
ALUMINUM, DISSOLVED	mg/L	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.12	ND(0.050)
ANTIMONY	mg/L	ND(0.030)	ND(0.030)	ND(0.30)	ND(0.30)	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.030)
ANTIMONY, DISSOLVED	mg/L	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.030)
ARSENIC	mg/L	0.025	0.029	0.012 J	0.0087 J	0.068	0.032	0.0084	0.053
ARSENIC, DISSOLVED	mg/L	0.0097	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	0.011
BARIUM	mg/L	0.14 R	0.16	0.12	0.11	0.41	0.19	0.10	0.075
BARIUM, DISSOLVED	mg/L	0.076	0.041	0.059	0.059	0.048	0.037	0.062	0.053 R
BERYLLIUM	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	0.0059	ND(0.0050)	ND(0.0050)
BERYLLIUM, DISSOLVED	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
CADMIUM	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
CADMIUM, DISSOLVED	mg/L	ND(0.0050)	ND(0.005)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
CALCIUM	mg/L	160	370	210	170	2000	380	160	240
CALCIUM, DISSOLVED	mg/L	78	85	120	120	88	86	120	120
CHROMIUM	mg/L	0.078	0.23	0.057 J	0.040 J	0.095	0.10	0.048	0.040
CHROMIUM, DISSOLVED	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
COBALT	mg/L	ND(0.010)	0.032	0.012 J	ND(0.010) UJ	0.066	0.049	0.015	ND(0.010)
COBALT, DISSOLVED	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
COPPER	mg/L	0.024	0.050	0.020 J	ND(0.020) UJ	0.15	0.080	ND(0.020)	ND(0.020)
COPPER, DISSOLVED	mg/L	ND(0.020)	ND(0.040)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)
IRON	mg/L	30	68	26	21	140	96	19	1.4
IRON, DISSOLVED	mg/L	0.51	2.5	0.30	0.27	ND(0.025)	ND(0.025)	0.25 R	1.3
LEAD	mg/L	0.036	0.064	0.027 J	0.020 J	0.11	0.076	0.021	0.017
LEAD, DISSOLVED	mg/L	ND(0.0030)	ND(0.0030)	ND(0.0050)	0.020 J	ND(0.0030)	ND(0.0030)	0.0043	ND(0.0030)
MAGNESIUM	mg/L	73	190	86	69	550	180	71	89
MAGNESIUM, DISSOLVED	mg/L	32	52	44	45	42	35	46	33
MANGANESE	mg/L	0.69	2.1	0.76 J	0.58 J	8.6	2.5	0.95	1.6
MANGANESE, DISSOLVED	mg/L	0.038	0.16	0.13	0.14	0.019	0.053	0.45	0.79
MERCURY	mg/L	ND(0.00020)	ND(0.00050)	ND(0.00050)	ND(0.00050)	ND(0.00050)	ND(0.00020)	ND(0.00020)	ND(0.00020)
MERCURY, DISSOLVED	mg/L	ND(0.00020)	ND(0.00050)	ND(0.00050)	ND(0.00050)	ND(0.00050)	ND(0.00050)	ND(0.00050)	ND(0.00050)
NICKEL	mg/L	0.059	0.17	0.058	0.049	0.15	0.13	0.048	0.043 R
NICKEL, DISSOLVED	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
POTASSIUM	mg/L	5.4	11	6.1	5.0	14	15	6.1	4.5
POTASSIUM, DISSOLVED	mg/L	1.1	2.2	1.3	1.3	1.3	1.6	2.1	2.6
SELENIUM	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
SELENIUM, DISSOLVED	mg/L	0.0069	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0060)
SILVER	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
SILVER, DISSOLVED	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
SODIUM	mg/L	5.6	6.5	5.0	4.2	16	12	14	12
SODIUM, DISSOLVED	mg/L	5.1	6.2	5.0	4.2	13	12	14	12

TABLE I.3

Summary of Groundwater TAL Metals Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		MW-24B	MW-25B	MW-26	MW-26	MW-27B	MW-28B	MW-29B	MW-30B
Sample I.D.:		GW-WP-048	GW-WP-007	GW-WP-066	GW-WP-068	GW-WP-010	GW-WP-020	GW-WP-023	GW-WP-032
Date Sampled:		06/06/94	06/01/94	06/08/94	06/08/94	06/01/94	06/02/94	06/03/94	06/05/94
					Dupl.				
Parameters	*Units*								
TAL Metals (Cont'd)									
THALLIUM	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
THALLIUM, DISSOLVED	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.016)
VANADIUM	mg/L	0.023	0.055	0.023	0.019	0.11	0.078	0.017	0.015
VANADIUM, DISSOLVED	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
ZINC	mg/L	0.20	0.29 J	0.18	0.15	0.57 J	0.42	0.11	0.082 R
ZINC, DISSOLVED	mg/L	ND(0.020)	0.020	0.021	0.021	ND(0.020)	ND(0.020)	0.027	ND(0.020)

TABLE I.3

Summary of Groundwater TAL Metals Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		MW-31B	MW-32B	MW-33B	MW-33B	P-1	P-1A	P-2A	P-2A
Sample I.D.:		GW-WP-052	GW-WP-058	GW-WP-074	GW-WP-076	GW-WP-088	GW-WP-044	GW-WP-054	GW-WP-056
Date Sampled:		06/06/94	06/07/94	06/08/94	06/08/94	06/15/94	06/08/94	06/07/94	06/07/94
					Dupl.				Dupl.
Parameters	*Units*								
TAL Metals									
ALUMINUM	mg/L	1.4	3.3	18 J	17 J	160	80	0.89 J	1.2 J
ALUMINUM, DISSOLVED	mg/L	ND(0.050)	ND(0.050)	ND(0.050) UJ	ND(0.050) UJ	ND(0.050)	ND(0.050)	ND(0.50)	ND(0.25)
ANTIMONY	mg/L	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.030)	ND(3.0)	ND(0.60)	ND(0.030)	ND(0.030)
ANTIMONY, DISSOLVED	mg/L	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.030)
ARSENIC	mg/L	ND(0.0050)	ND(0.0050)	0.020	0.017	0.087	0.056	0.018	0.018
ARSENIC, DISSOLVED	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	0.016	0.015
BARIUM	mg/L	0.050	0.068	0.17	0.16	0.72	0.30	0.81	0.78
BARIUM, DISSOLVED	mg/L	0.032	0.055	0.052	0.053	0.062	0.085	0.74	0.75
BERYLLIUM	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	0.0080 J	ND(0.0050)	ND(0.0050)	ND(0.0050)
BERYLLIUM, DISSOLVED	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
CADMIUM	mg/L	ND(0.0050)	ND(0.0050)	0.013	0.015	ND(0.050)	ND(0.050)	ND(0.0050)	ND(0.0050)
CADMIUM, DISSOLVED	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
CALCIUM	mg/L	210	200	350	300	1100	640	380	370
CALCIUM, DISSOLVED	mg/L	100	120	100	100	63	120	370	380
CHROMIUM	mg/L	ND(0.010)	0.021	0.12	0.11	0.29	0.14	0.012 J	0.021 J
CHROMIUM, DISSOLVED	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
COBALT	mg/L	ND(0.010)	ND(0.010)	0.025	0.020	0.15	0.089	ND(0.010)	ND(0.010)
COBALT, DISSOLVED	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
COPPER	mg/L	ND(0.020)	ND(0.020)	0.073	0.067	0.52	0.11	ND(0.020)	ND(0.020)
COPPER, DISSOLVED	mg/L	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)
IRON	mg/L	7.6	9.8	52	46	320	170	75	73
IRON, DISSOLVED	mg/L	ND(0.12) U	0.45	0.047 J	0.025 J	ND(0.025)	0.025	0.24	74
LEAD	mg/L	0.012	0.012	0.043	0.046	0.29	0.12	ND(0.0030) UJ	0.0083 J
LEAD, DISSOLVED	mg/L	ND(0.0030)	ND(0.0030)	ND(0.0030)	ND(0.0030)	ND(0.0030)	ND(0.0050)	ND(0.0030)	ND(0.0030)
MAGNESIUM	mg/L	100	96	160	140	380	300	63	61
MAGNESIUM, DISSOLVED	mg/L	50	61	49	49	33	52	61	62
MANGANESE	mg/L	0.72	0.61	2.2	1.8	5.7	4.4	0.68	0.67
MANGANESE, DISSOLVED	mg/L	0.16	0.18	0.18	0.19	0.028	0.16	0.64	0.64
MERCURY	mg/L	ND(0.00020)	ND(0.00020)	ND(0.00050)	ND(0.00050)	0.00023	ND(0.00050)	ND(0.00020)	ND(0.00020)
MERCURY, DISSOLVED	mg/L	ND(0.0002)	ND(0.00020)	ND(0.00050)	ND(0.00050)	ND(0.00020)	ND(0.00050)	ND(0.00020)	ND(0.00020)
NICKEL	mg/L	0.012	0.028	0.10	0.10	0.42	0.22	0.013 J	0.021 J
NICKEL, DISSOLVED	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	0.015	ND(0.010)	ND(0.010)	ND(0.010)
POTASSIUM	mg/L	2.4	2.5	6.8	7.1	46	25	1.6	1.6
POTASSIUM, DISSOLVED	mg/L	2.1	1.4	1.6	1.6	3.4	3.9	1.4	1.4
SELENIUM	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
SELENIUM, DISSOLVED	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
SILVER	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.10)	0.013	ND(0.010)	ND(0.010)
SILVER, DISSOLVED	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
SODIUM	mg/L	4.9	5.6	4.3 J	4.4 J	7.4	11	7.8	7.8
SODIUM, DISSOLVED	mg/L	5.0	6.1	3.8	3.8	4.8	11	8.2	8.0

TABLE I.3

Summary of Groundwater TAL Metals Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		MW-31B	MW-32B	MW-33B	MW-33B	P-1	P-1A	P-2A	P-2A
Sample I.D.:		GW-WP-052	GW-WP-058	GW-WP-074	GW-WP-076	GW-WP-088	GW-WP-044	GW-WP-054	GW-WP-056
Date Sampled:		06/06/94	06/07/94	06/08/94	06/08/94	06/15/94	06/08/94	06/07/94	06/07/94
					Dupl.				Dupl.
Parameters	*Units*								
TAL Metals (Cont'd)									
THALLIUM	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	0.017	ND(0.010)	ND(0.010)	ND(0.010)
THALLIUM, DISSOLVED	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
VANADIUM	mg/L	ND(0.010)	ND(0.010)	0.041	0.036	0.27	0.13	ND(0.010)	ND(0.010)
VANADIUM, DISSOLVED	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
ZINC	mg/L	0.062 R	0.048 R	0.24	0.21	1.9	0.61	0.045 R	0.071 R
ZINC, DISSOLVED	mg/L	ND(0.027) U	0.021	ND(0.020)	ND(0.020)	0.020	0.025	0.045 J	0.022 J

TABLE I.3

Summary of Groundwater TAL Metals Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		P-2B	P-2C2	P-4B	P-4C1	P-4C2	P-4C3	P-5B	P-5C1
Sample I.D.:		GW-WP-079	GW-WP-081	GW-WP-004	GW-WP-006	GW-WP-008	GW-SC-49	GW-WP-040	GW-WP-057
Date Sampled:		06/08/94	06/08/94	06/01/94	06/01/94	06/01/94	10/19/95	06/05/94	06/06/94
Parameters	*Units*								
TAL Metals									
ALUMINUM	mg/L	0.42	3.7	57	47	0.20	--	ND(0.050)	0.14
ALUMINUM, DISSOLVED	mg/L	ND(0.10)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	--	ND(0.050)	ND(0.050)
ANTIMONY	mg/L	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.060)	ND(0.030)	ND(0.030)
ANTIMONY, DISSOLVED	mg/L	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.060)	ND(0.030)	ND(0.030)
ARSENIC	mg/L	0.022	0.011	0.076	0.040	ND(0.0050)	ND(0.010)	0.068	0.0062
ARSENIC, DISSOLVED	mg/L	0.022	0.0087	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.010)	ND(0.0050)	0.0053
BARIUM	mg/L	0.17	0.083	0.34	0.25	0.065	0.37	0.32	0.080 R
BARIUM, DISSOLVED	mg/L	0.17	0.057	0.060	0.047	0.062	ND(0.20)	0.046 R	0.072
BERYLLIUM	mg/L	ND(0.0050)	ND(0.0050)	0.0054	0.0054	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
BERYLLIUM, DISSOLVED	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
CADMIUM	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
CADMIUM, DISSOLVED	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
CALCIUM	mg/L	100	100	840	530	78	--	970	110
CALCIUM, DISSOLVED	mg/L	100	80	110	77	75	--	93	100
CHROMIUM	mg/L	ND(0.010)	0.016	0.15	0.12	ND(0.010)	ND(0.010)	0.13	ND(0.010)
CHROMIUM, DISSOLVED	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
COBALT	mg/L	ND(0.010)	ND(0.010)	0.063	0.051	ND(0.010)	--	0.070	ND(0.010)
COBALT, DISSOLVED	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	--	ND(0.010)	ND(0.010)
COPPER	mg/L	ND(0.020)	ND(0.020)	0.15	0.091	ND(0.020)	--	0.18	ND(0.020)
COPPER, DISSOLVED	mg/L	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	--	ND(0.020)	ND(0.020)
IRON	mg/L	2.7	7.9	170	110	2.3	--	0.059 R	3.7
IRON, DISSOLVED	mg/L	2.2	1.8	ND(0.025)	ND(0.025)	1.7	--	0.059 R	3.2
LEAD	mg/L	ND(0.0030)	0.0052	0.11	0.091	0.015	0.0058	0.14	ND(0.0030)
LEAD, DISSOLVED	mg/L	ND(0.0030)	ND(0.0030)	ND(0.0030)	ND(.0030)	ND(0.0030)	ND(0.0030)	ND(0.0030)	ND(0.0030)
MAGNESIUM	mg/L	50	40	390	220	26	--	430	39
MAGNESIUM, DISSOLVED	mg/L	49	31	58	27	25	--	46	37
MANGANESE	mg/L	0.065	0.24	4.9	2.9	0.095	--	5.8	0.12
MANGANESE, DISSOLVED	mg/L	0.052	0.080	0.038	0.11	0.081	--	0.35	0.092
MERCURY	mg/L	ND(0.00050)	ND(0.00050)	ND(0.00050)	ND(0.00050)	ND(0.00050)	ND(0.0002)	ND(0.00020)	ND(0.00020)
MERCURY, DISSOLVED	mg/L	ND(0.00050)	ND(0.00050)	ND(0.00050)	ND(0.00050)	ND(0.00050)	ND(0.0002)	ND(0.00050)	ND(0.00020)
NICKEL	mg/L	ND(0.010)	0.019	0.17	0.13	ND(0.010)	ND(0.040)	0.16	ND(0.010)
NICKEL, DISSOLVED	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	0.010	ND(0.010)	ND(0.040)	ND(0.010)	ND(0.010)
POTASSIUM	mg/L	2.8	2.2	17	14	1.1	--	15	1.0
POTASSIUM, DISSOLVED	mg/L	2.8	1.2	2.4	1.2	1.0	--	1.5	0.98
SELENIUM	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	--	ND(0.0050)	ND(0.0050)
SELENIUM, DISSOLVED	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	--	ND(0.0060)	ND(0.0050)
SILVER	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	--	ND(0.010)	ND(0.010)
SILVER, DISSOLVED	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	--	ND(0.010)	ND(0.010)
SODIUM	mg/L	8.8	4.0	67	4.6	2.9	--	5.3	4.9
SODIUM, DISSOLVED	mg/L	8.8	4.0	77	3.2	2.9	--	3.6	4.8

TABLE I.3

Summary of Groundwater TAL Metals Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		P-2B	P-2C2	P-4B	P-4C1	P-4C2	P-4C3	P-5B	P-5C1
Sample I.D.:		GW-WP-079	GW-WP-081	GW-WP-004	GW-WP-006	GW-WP-008	GW-SC-49	GW-WP-040	GW-WP-057
Date Sampled:		06/08/94	06/08/94	06/01/94	06/01/94	06/01/94	10/19/95	06/05/94	06/06/94
Parameters	*Units*								
TAL Metals (Cont'd)									
THALLIUM	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
THALLIUM, DISSOLVED	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.016)	ND(0.010)
VANADIUM	mg/L	ND(0.010)	ND(0.010)	0.11	0.090	ND(0.010)	--	0.12	ND(0.010)
VANADIUM, DISSOLVED	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	--	ND(0.010)	ND(0.010)
ZINC	mg/L	ND(0.020)	0.039 R	0.54	0.40	0.027 J	--	0.58	ND(0.020)
ZINC, DISSOLVED	mg/L	ND(0.020)	0.039	0.027 R	0.022 R	0.027	--	ND(0.020)	ND(0.020)

TABLE I.3

Date Printed: January 31, 1996

Summary of Groundwater TAL Metals Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		P-5C2	P-5C3	P-5C4	P-7B	P-8A	P-8B	P-8B	P-8C1
Sample I.D.:		GW-WP-059	GW-SC-040	GW-SC-44	GW-WP-017	GW-WP-042	GW-WP-034	GW-WP-036	GW-WP-047
Date Sampled:		06/06/94	10/18/95	10/19/95	06/02/94	06/08/94	06/05/94	06/05/94	06/05/94
								Dupl.	
Parameters	*Units*								
TAL Metals									
ALUMINUM	mg/L	0.72	--	--	24	1.0	ND(0.050)	ND(0.050)	ND(0.050)
ALUMINUM, DISSOLVED	mg/L	ND(0.050)	--	--	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
ANTIMONY	mg/L	ND(0.030)	ND(0.060)	ND(0.060)	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.030)
ANTIMONY, DISSOLVED	mg/L	ND(0.030)	ND(0.060)	ND(0.060)	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.030)
ARSENIC	mg/L	ND(0.0050)	ND(0.010)	0.016	0.026	0.020	0.015	0.013	ND(0.0050)
ARSENIC, DISSOLVED	mg/L	ND(0.0050)	ND(0.010)	ND(0.010)	ND(0.0050)	0.012	ND(0.0050)	ND(0.0050)	ND(0.0050)
BARIUM	mg/L	0.065 R	ND(0.20)	ND(0.20)	0.25	0.21	0.054	0.050	0.050
BARIUM, DISSOLVED	mg/L	0.054	ND(0.20)	ND(0.20)	0.075	0.15	0.031 R	0.031 R	0.048 R
BERYLLIUM	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
BERYLLIUM, DISSOLVED	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
CADMIUM	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
CADMIUM, DISSOLVED	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
CALCIUM	mg/L	90	--	--	400	140	170	180	120
CALCIUM, DISSOLVED	mg/L	85	--	--	130	130	130	130	110
CHROMIUM	mg/L	ND(0.010)	0.036	0.025	0.050	0.013	0.011 J	0.038 J	ND(0.010)
CHROMIUM, DISSOLVED	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
COBALT	mg/L	ND(0.010)	--	--	0.023	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
COBALT, DISSOLVED	mg/L	ND(0.010)	--	--	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
COPPER	mg/L	ND(0.020)	--	--	0.062	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)
COPPER, DISSOLVED	mg/L	ND(0.020)	--	--	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)
IRON	mg/L	3.5	--	--	57	12	0.66	0.74	3.5
IRON, DISSOLVED	mg/L	2.2	--	--	0.16	4.4	0.66	0.75	3.5
LEAD	mg/L	0.0084	0.0053	0.018	0.044	ND(0.0050)	0.022	0.021	ND(0.0030)
LEAD, DISSOLVED	mg/L	ND(0.0030)	ND(0.0030)	ND(0.0030)	ND(0.0030)	ND(0.0050)	ND(0.0030)	ND(0.0030)	ND(0.0030)
MAGNESIUM	mg/L	31	--	--	200	21	42	44	41
MAGNESIUM, DISSOLVED	mg/L	29	--	--	74	20	23	22	40
MANGANESE	mg/L	0.11	--	--	1.8	0.91	1.5	1.5	0.38
MANGANESE, DISSOLVED	mg/L	0.081	--	--	0.14	0.90	1.2	1.1	0.36
MERCURY	mg/L	ND(0.00020)	ND(0.0002)	ND(0.0002)	ND(0.00020)	ND(0.00050)	ND(0.00020)	ND(0.00020)	ND(0.00020)
MERCURY, DISSOLVED	mg/L	ND(0.00020)	ND(0.0002)	ND(0.0002)	ND(0.00050)	ND(0.00050)	ND(0.00050)	ND(0.00050)	ND(0.00050)
NICKEL	mg/L	ND(0.010)	ND(0.040)	ND(0.040)	0.067	0.016	0.028 R	0.042 R	ND(0.010)
NICKEL, DISSOLVED	mg/L	ND(0.010)	ND(0.040)	ND(0.040)	ND(0.010)	ND(0.010)	ND(0.010) UJ	0.014 J	ND(0.010)
POTASSIUM	mg/L	1.0	--	--	10	3.2	3.8	3.7	1.9
POTASSIUM, DISSOLVED	mg/L	0.92	--	--	2.3	3.1	2.0	1.9	1.9
SELENIUM	mg/L	ND(0.0050)	--	--	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
SELENIUM, DISSOLVED	mg/L	ND(0.0050)	--	--	ND(0.0050)	ND(0.0050)	ND(0.0060)	ND(0.0060)	ND(0.0060)
SILVER	mg/L	ND(0.010)	--	--	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
SILVER, DISSOLVED	mg/L	ND(0.010)	--	--	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
SODIUM	mg/L	2.9	--	--	110	28	5.2	5.1	12
SODIUM, DISSOLVED	mg/L	2.9 R	--	--	110	30	5.2	5.0	12

TABLE I.3

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Summary of Groundwater TAL Metals Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		P-5C2	P-5C3	P-5C4	P-7B	P-8A	P-8B	P-8B	P-8C1
Sample I.D.:		GW-WP-059	GW-SC-040	GW-SC-44	GW-WP-017	GW-WP-042	GW-WP-034	GW-WP-036	GW-WP-047
Date Sampled:		06/06/94	10/18/95	10/19/95	06/02/94	06/08/94	06/05/94	06/05/94	06/05/94
								Dupl.	
Parameters	*Units*								
TAL Metals (Cont'd)									
THALLIUM	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
THALLIUM, DISSOLVED	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.016)	ND(0.016)	ND(0.016)
VANADIUM	mg/L	ND(0.010)	--	--	0.051	ND(0.010)	0.012	0.012	ND(0.010)
VANADIUM, DISSOLVED	mg/L	ND(0.010)	--	--	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
ZINC	mg/L	ND(0.020)	--	--	0.23	0.036	0.096 R	0.096 R	ND(0.020)
ZINC, DISSOLVED	mg/L	0.025 R	--	--	ND(0.020)	0.032	ND(0.020)	ND(0.020)	ND(0.020)

TABLE I.3

Summary of Groundwater TAL Metals Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		P-8C2	P-8C3	P-8C4	P-8C4	P-10	P-11A	P-11A	P-12A
Sample I.D.:		GW-WP-051	GW-SC-028	GW-SC-30	GW-SC-32	GW-WP-084	GW-SC-010	GW-SC-011	GW-WP-082
Date Sampled:		06/06/94	10/17/95	10/19/95	10/19/95	06/08/94	04/26/95	04/26/95	06/08/94
					Dupl.			Dupl.	
Parameters	*Units*								
TAL Metals									
ALUMINUM	mg/L	1.5	--	--	--	19 J	4.4	7.5	34 J
ALUMINUM, DISSOLVED	mg/L	ND(0.050)	--	--	--	ND(0.050) UJ	ND(0.050)	ND(0.050)	ND(0.050) UJ
ANTIMONY	mg/L	ND(0.030)	ND(0.060)	ND(0.060)	ND(0.060)	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.030)
ANTIMONY, DISSOLVED	mg/L	ND(0.030)	ND(0.060)	ND(0.060)	ND(0.060)	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.030)
ARSENIC	mg/L	0.0094	ND(0.010)	ND(0.010)	ND(0.010)	0.020	0.0084	0.013	0.031
ARSENIC, DISSOLVED	mg/L	0.0090	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	0.0062
BARIUM	mg/L	0.071 R	ND(0.20)	ND(0.20)	ND(0.20)	0.25	0.16	0.19	0.59
BARIUM, DISSOLVED	mg/L	0.034	ND(0.20)	ND(0.20)	ND(0.20)	0.12	0.12	0.12	0.36
BERYLLIUM	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
BERYLLIUM, DISSOLVED	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
CADMIUM	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
CADMIUM, DISSOLVED	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
CALCIUM	mg/L	100	--	--	--	300	150	180	430
CALCIUM, DISSOLVED	mg/L	87	--	--	--	170	110	110	220
CHROMIUM	mg/L	0.020	ND(0.010)	0.011	0.012	0.060	0.040	0.060	0.080
CHROMIUM, DISSOLVED	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
COBALT	mg/L	ND(0.010)	--	--	--	0.023	0.013	0.018	0.091
COBALT, DISSOLVED	mg/L	ND(0.010)	--	--	--	ND(0.010)	ND(0.010)	ND(0.010)	0.021
COPPER	mg/L	ND(0.020)	--	--	--	0.10	ND(0.060) U	ND(0.057) U	0.11
COPPER, DISSOLVED	mg/L	ND(0.020)	--	--	--	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)
IRON	mg/L	6.2	--	--	--	47	23	33	81
IRON, DISSOLVED	mg/L	1.5	--	--	--	ND(0.025)	5.3	5.7	1.8
LEAD	mg/L	0.0034	ND(0.0030)	ND(0.0030)	ND(0.0030)	0.035	0.015	0.023	0.13
LEAD, DISSOLVED	mg/L	ND(0.0030)	ND(0.0030)	ND(0.0030)	ND(0.0030)	ND(0.0030)	ND(0.0030)	ND(0.0030)	ND(0.0030)
MAGNESIUM	mg/L	36	--	--	--	96	46	58	160
MAGNESIUM, DISSOLVED	mg/L	30	--	--	--	42	28	29	66
MANGANESE	mg/L	0.19	--	--	--	4.8	1.5	1.9	7.6
MANGANESE, DISSOLVED	mg/L	0.074	--	--	--	3.9	1.2	1.2	1.8
MERCURY	mg/L	ND(0.00020)	ND(0.0002)	ND(0.0002)	ND(0.0002)	ND(0.00050)	ND(0.0002)	ND(0.0002)	ND(0.00050)
MERCURY, DISSOLVED	mg/L	ND(0.00020)	ND(0.0002)	ND(0.0002)	ND(0.0002)	ND(0.00050)	ND(0.0002)	ND(0.0002)	ND(0.00050)
NICKEL	mg/L	0.013	ND(0.040)	ND(0.040)	ND(0.040)	0.082	0.041	0.057	0.25
NICKEL, DISSOLVED	mg/L	ND(0.010)	ND(0.040)	ND(0.040)	ND(0.040)	0.019 R	ND(0.010)	ND(0.010)	0.070 R
POTASSIUM	mg/L	1.5	--	--	--	9.8	4.3	4.8	43
POTASSIUM, DISSOLVED	mg/L	0.98	--	--	--	5.1	3.8	3.7	39
SELENIUM	mg/L	ND(0.0050)	--	--	--	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
SELENIUM, DISSOLVED	mg/L	ND(0.0050)	--	--	--	ND(0.0050)	ND(0.0050)	ND(0.0050) U	ND(0.0050)
SILVER	mg/L	ND(0.010)	--	--	--	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
SILVER, DISSOLVED	mg/L	ND(0.010)	--	--	--	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
SODIUM	mg/L	4.1	--	--	--	17 J	190	180	40 J
SODIUM, DISSOLVED	mg/L	4.0	--	--	--	17	220	210	40

TABLE I.3

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Summary of Groundwater TAL Metals Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		P-8C2	P-8C3	P-8C4	P-8C4	P-10	P-11A	P-11A	P-12A
Sample I.D.:		GW-WP-051	GW-SC-028	GW-SC-30	GW-SC-32	GW-WP-084	GW-SC-010	GW-SC-011	GW-WP-082
Date Sampled:		06/06/94	10/17/95	10/19/95	10/19/95	06/08/94	04/26/95	04/26/95	06/08/94
					Dupl.			Dupl.	
Parameters	*Units*								
TAL Metals (Cont'd)									
THALLIUM	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
THALLIUM, DISSOLVED	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
VANADIUM	mg/L	ND(0.010)	--	--	--	0.043	0.015	0.021	0.072
VANADIUM, DISSOLVED	mg/L	ND(0.010)	--	--	--	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
ZINC	mg/L	0.039 R	--	--	--	0.24	ND(0.010)	ND(0.013)	0.43
ZINC, DISSOLVED	mg/L	ND(0.020)	--	--	--	ND(0.020)	ND(0.020)	ND(0.020) U	0.028 R

TABLE I.3

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Summary of Groundwater TAL Metals Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		P-13A	P-14A	P-23C1	P-23C2	P-23C3	P-23C4	P-24A	P-24C1
Sample I.D.:		GW-WP-080	GW-WP-064	GW-WP-028	GW-WP-030	GW-SC-026	GW-SC-024	GW-WP-046	GW-WP-065
Date Sampled:		06/08/94	06/07/94	06/03/94	06/03/94	10/17/95	10/17/95	06/06/94	06/06/94
Parameters	*Units*								
TAL Metals									
ALUMINUM	mg/L	140 J	50	0.37	4.2	--	--	220	0.24
ALUMINUM, DISSOLVED	mg/L	ND(0.50) UJ	ND(0.10)	ND(0.050)	ND(0.050)	--	--	ND(0.050)	ND(0.050)
ANTIMONY	mg/L	0.034	ND(0.60)	ND(0.030)	ND(0.030)	ND(0.060)	ND(0.060)	ND(0.30)	ND(0.030)
ANTIMONY, DISSOLVED	mg/L	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.060)	ND(0.060)	ND(0.030)	ND(0.030)
ARSENIC	mg/L	0.12	0.077	ND(0.0050)	0.013	0.016	0.010	0.19	0.0052
ARSENIC, DISSOLVED	mg/L	0.0058	0.0081	ND(0.0050)	0.011	0.020	0.012	ND(0.0050)	0.0052
BARIUM	mg/L	3.3	0.36	0.049	0.12	ND(0.20)	ND(0.20)	0.69	0.064
BARIUM, DISSOLVED	mg/L	0.42	0.13	0.041	0.10	ND(0.20)	ND(0.20)	0.039	0.062
BERYLLIUM	mg/L	0.0051	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	0.010	ND(0.0050)
BERYLLIUM, DISSOLVED	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
CADMIUM	mg/L	0.0089	ND(0.050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.50)	ND(0.0050)
CADMIUM, DISSOLVED	mg/L	0.0055	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
CALCIUM	mg/L	1100	620	92	110	--	--	1200	81
CALCIUM, DISSOLVED	mg/L	770	180	90	91	--	--	110	79
CHROMIUM	mg/L	0.32	0.10	ND(0.010)	0.18	0.024	ND(0.010)	0.37	ND(0.010)
CHROMIUM, DISSOLVED	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
COBALT	mg/L	0.27	0.062	ND(0.010)	0.011	--	--	0.24	ND(0.010)
COBALT, DISSOLVED	mg/L	0.043	ND(0.010)	ND(0.010)	ND(0.010)	--	--	ND(0.010)	ND(0.010)
COPPER	mg/L	0.54	0.12	ND(0.020)	ND(0.020)	--	--	0.53	ND(0.020)
COPPER, DISSOLVED	mg/L	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	--	--	ND(0.020)	ND(0.020)
IRON	mg/L	400	120	1.9	10	--	--	610	1.4
IRON, DISSOLVED	mg/L	0.77	1.2	0.82	2.0	--	--	0.025	0.97
LEAD	mg/L	0.66	0.096	ND(0.0030)	ND(0.0030) UJ	0.0043	ND(0.0030)	0.57	ND(0.0030)
LEAD, DISSOLVED	mg/L	0.028	ND(0.0050)	ND(0.0030)	0.016	ND(0.0030)	ND(0.0030)	ND(0.0030)	ND(0.0030)
MAGNESIUM	mg/L	400	220	38	40	--	--	610	31
MAGNESIUM, DISSOLVED	mg/L	200	45	37	32	--	--	52	31
MANGANESE	mg/L	31	5.6	0.074	0.24	--	--	12	0.086
MANGANESE, DISSOLVED	mg/L	21	2.8	0.054	0.075	--	--	0.31	0.076
MERCURY	mg/L	0.011	ND(0.00050)	ND(0.00050)	ND(0.00050)	ND(0.0002)	ND(0.0002)	ND(0.00020)	ND(0.00020)
MERCURY, DISSOLVED	mg/L	ND(0.00050)	ND(0.00050)	ND(0.00050)	ND(0.00050)	ND(0.0002)	ND(0.0002)	ND(0.00020)	ND(0.00020)
NICKEL	mg/L	0.65	0.15	0.011	0.14	ND(0.040)	ND(0.040)	0.57	ND(0.010)
NICKEL, DISSOLVED	mg/L	0.13	ND(0.010)	ND(0.010)	0.036	ND(0.040)	ND(0.040)	ND(0.010)	ND(0.010)
POTASSIUM	mg/L	160	24	1.3	2.3	--	--	34	1.0
POTASSIUM, DISSOLVED	mg/L	150	11	1.2	1.2	--	--	2.3	0.93
SELENIUM	mg/L	0.0083	ND(0.0050)	ND(0.0050)	ND(0.0050)	--	--	ND(0.020)	ND(0.0050)
SELENIUM, DISSOLVED	mg/L	0.0083	ND(0.0050)	ND(0.0050)	ND(0.0050)	--	--	ND(0.0050)	ND(0.0050)
SILVER	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	--	--	0.012	ND(0.010)
SILVER, DISSOLVED	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	--	--	ND(0.010)	ND(0.010)
SODIUM	mg/L	160 J	27	3.6	4.6	--	--	36	4.1
SODIUM, DISSOLVED	mg/L	160	27	3.5	4.6	--	--	36	4.0

TABLE I.3

Summary of Groundwater TAL Metals Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		P-13A	P-14A	P-23C1	P-23C2	P-23C3	P-23C4	P-24A	P-24C1
Sample I.D.:		GW-WP-080	GW-WP-064	GW-WP-028	GW-WP-030	GW-SC-026	GW-SC-024	GW-WP-046	GW-WP-065
Date Sampled:		06/08/94	06/07/94	06/03/94	06/03/94	10/17/95	10/17/95	06/06/94	06/06/94
Parameters	*Units*								
TAL Metals (Cont'd)									
THALLIUM	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)	ND(0.010)
THALLIUM, DISSOLVED	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
VANADIUM	mg/L	0.25	0.11	ND(0.010)	ND(0.010)	--	--	0.32	ND(0.010)
VANADIUM, DISSOLVED	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	--	--	ND(0.010)	ND(0.010)
ZINC	mg/L	2.8	0.59	0.037	0.052	--	--	2.7	0.027 R
ZINC, DISSOLVED	mg/L	0.12 R	0.028	ND(0.020)	0.037	--	--	ND(0.020)	ND(0.020)

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Summary of Groundwater TAL Metals Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		P-24C2	P-24C3	P-24C4	P-25A	P-25A	P-25C2	P-26A	P-27A
Sample I.D.:		GW-WP-063	GW-SC-47	GW-SC-043	GW-WP-009	GW-SC-006	GW-WP-011	GW-WP-070	GW-SC-008
Date Sampled:		06/06/94	10/19/95	10/18/95	06/01/94	04/26/95	06/02/94	06/08/94	04/26/95
Parameters	*Units*								
TAL Metals									
ALUMINUM	mg/L	1.2	--	--	2.8	0.053	28	41 J	2.1
ALUMINUM, DISSOLVED	mg/L	0.054	--	--	ND(0.10)	ND(0.050)	ND(0.050)	ND(0.050) UJ	ND(0.050)
ANTIMONY	mg/L	ND(0.030)	ND(0.060)	ND(0.060)	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.030)
ANTIMONY, DISSOLVED	mg/L	ND(0.030)	ND(0.060)	ND(0.060)	0.033	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.030)
ARSENIC	mg/L	0.0060	ND(0.010)	0.021	ND(0.0050)	ND(0.0050)	0.017	0.040	ND(0.0050)
ARSENIC, DISSOLVED	mg/L	ND(0.0050)	ND(0.010)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
BARIUM	mg/L	0.059	ND(0.20)	ND(0.20)	0.24	0.083	0.16	0.27	0.041
BARIUM, DISSOLVED	mg/L	0.053	ND(0.20) U	ND(0.20)	0.026	0.047	0.022	0.073	0.028
BERYLLIUM	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
BERYLLIUM, DISSOLVED	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
CADMIUM	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
CADMIUM, DISSOLVED	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
CALCIUM	mg/L	77	--	--	230	120	240	340	150
CALCIUM, DISSOLVED	mg/L	76	--	--	220	140	76	140	140
CHROMIUM	mg/L	0.018	0.012	0.050	0.21	ND(0.010)	0.11	0.090	0.035
CHROMIUM, DISSOLVED	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
COBALT	mg/L	ND(0.010)	--	--	ND(0.010)	ND(0.010)	0.027	0.053	ND(0.010)
COBALT, DISSOLVED	mg/L	ND(0.010)	--	--	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
COPPER	mg/L	ND(0.020)	--	--	ND(0.020)	ND(0.020)	0.057	0.11	ND(0.020)
COPPER, DISSOLVED	mg/L	ND(0.020)	--	--	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)
IRON	mg/L	2.7	--	--	5.2	0.21	49	91	4.6
IRON, DISSOLVED	mg/L	1.1	--	--	0.064	ND(0.036) U	ND(0.025)	ND(0.025)	ND(0.025)
LEAD	mg/L	0.0041	ND(0.0030)	0.042	ND(0.0030)	ND(0.0030)	0.055	0.11	ND(0.0030)
LEAD, DISSOLVED	mg/L	ND(0.0030)	ND(0.0030)	ND(0.0030)	ND(0.0030)	ND(0.0030)	ND(0.0030)	ND(0.0030)	ND(0.0030)
MAGNESIUM	mg/L	28	--	--	91	46	100	140	71
MAGNESIUM, DISSOLVED	mg/L	28	--	--	90	54	34	38	67
MANGANESE	mg/L	0.16	--	--	0.35	0.013	1.4	3.9	0.20
MANGANESE, DISSOLVED	mg/L	0.13	--	--	0.15	ND(0.010)	0.097	0.80	ND(0.010)
MERCURY	mg/L	ND(0.00020)	ND(0.0002)	ND(0.0002)	ND(0.00050)	ND(0.0002)	ND(0.00020)	ND(0.00050)	ND(0.0002)
MERCURY, DISSOLVED	mg/L	ND(0.00020)	ND(0.0002)	ND(0.0002)	ND(0.00050)	ND(0.0002)	ND(0.00050)	ND(0.00050)	ND(0.0002)
NICKEL	mg/L	0.017	ND(0.040)	0.069	0.15	ND(0.010)	0.10	0.13	0.030
NICKEL, DISSOLVED	mg/L	ND(0.010)	ND(0.040)	ND(0.040)	0.017	ND(0.010)	0.014	ND(0.010)	ND(0.010)
POTASSIUM	mg/L	1.3	--	--	5.6	3.4	8.5	14	1.5
POTASSIUM, DISSOLVED	mg/L	0.88	--	--	5.6	3.7	1.4	3.6	0.89
SELENIUM	mg/L	ND(0.0050)	--	--	ND(0.0050)	ND(0.0050)	ND(0.0050)	0.0056	ND(0.0050)
SELENIUM, DISSOLVED	mg/L	ND(0.0050)	--	--	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
SILVER	mg/L	ND(0.010)	--	--	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
SILVER, DISSOLVED	mg/L	ND(0.010)	--	--	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
SODIUM	mg/L	4.1	--	--	97	14	4.3	43 J	12
SODIUM, DISSOLVED	mg/L	4.1	--	--	98	23	3.4	49	14

TABLE I.3

Summary of Groundwater TAL Metals Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		P-24C2	P-24C3	P-24C4	P-25A	P-25A	P-25C2	P-26A	P-27A
Sample I.D.:		GW-WP-063	GW-SC-47	GW-SC-043	GW-WP-009	GW-SC-006	GW-WP-011	GW-WP-070	GW-SC-008
Date Sampled:		06/06/94	10/19/95	10/18/95	06/01/94	04/26/95	06/02/94	06/08/94	04/26/95
Parameters	*Units*								
TAL Metals (Cont'd)									
THALLIUM	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
THALLIUM, DISSOLVED	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
VANADIUM	mg/L	ND(0.010)	--	--	ND(0.010)	ND(0.010)	0.041	0.083	ND(0.010)
VANADIUM, DISSOLVED	mg/L	ND(0.010)	--	--	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
ZINC	mg/L	0.029 R	--	--	0.049	ND(0.020)	0.26	0.34	ND(0.038) U
ZINC, DISSOLVED	mg/L	0.038	--	--	0.048	ND(0.021) U	0.022	ND(0.020)	ND(0.020)

TABLE I.3

Summary of Groundwater TAL Metals Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		P-27C1	P-27C2	P-27C3	P-27C4	P-28A	P-28C1	P-28C2	P-28C3
Sample I.D.:		GW-WP-012	GW-WP-014	GW-SC-057	GW-SC-53	GW-WP-114	GW-WP-022	GW-WP-024	GW-SC-46
Date Sampled:		06/02/94	06/02/94	10/20/95	10/19/95	06/01/91	06/05/94	06/03/94	10/19/95
Parameters	*Units*								
TAL Metals									
ALUMINUM	mg/L	1.6	ND(0.050)	--	--	19	ND(0.050)	17	--
ALUMINUM, DISSOLVED	mg/L	ND(0.050)	ND(0.050)	--	--	ND(0.050)	ND(0.050)	ND(0.050)	--
ANTIMONY	mg/L	ND(0.030)	ND(0.030)	ND(0.060)	ND(0.060)	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.060)
ANTIMONY, DISSOLVED	mg/L	ND(0.030)	ND(0.030)	ND(0.060)	ND(0.060)	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.060)
ARSENIC	mg/L	0.0052	ND(0.0050)	ND(0.010)	0.010	0.018	ND(0.0050)	0.018	ND(0.010)
ARSENIC, DISSOLVED	mg/L	ND(0.0050)	ND(0.0050)	ND(0.010)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.010)
BARIUM	mg/L	0.065	0.041	ND(0.20)	ND(0.20)	0.17	0.041	0.13	ND(0.20)
BARIUM, DISSOLVED	mg/L	0.054	0.040	ND(0.20)	ND(0.20) U	0.095	0.029 R	0.034	ND(0.20) U
BERYLLIUM	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
BERYLLIUM, DISSOLVED	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
CADMIUM	mg/L	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
CADMIUM, DISSOLVED	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
CALCIUM	mg/L	75	78	--	--	610	89	210	--
CALCIUM, DISSOLVED	mg/L	65	77	--	--	99	74	87	--
CHROMIUM	mg/L	0.011	ND(0.010)	ND(0.010)	0.021	0.024	0.033	0.28	ND(0.010)
CHROMIUM, DISSOLVED	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
COBALT	mg/L	ND(0.010)	ND(0.010)	--	--	0.024	ND(0.010)	0.029	--
COBALT, DISSOLVED	mg/L	ND(0.010)	ND(0.010)	--	--	ND(0.010)	ND(0.010)	ND(0.010)	--
COPPER	mg/L	ND(0.020)	ND(0.020)	--	--	0.047 R	ND(0.020)	0.032	--
COPPER, DISSOLVED	mg/L	ND(0.020)	ND(0.020)	--	--	ND(0.020)	ND(0.020)	ND(0.020)	--
IRON	mg/L	3.6	2.1	--	--	55	0.16 R	38	--
IRON, DISSOLVED	mg/L	0.73	2.1	--	--	ND(0.025)	0.13 R	0.046 R	--
LEAD	mg/L	0.0063	ND(0.0030)	ND(0.0030)	0.014	0.066	ND(0.0030)	0.050	ND(0.0030)
LEAD, DISSOLVED	mg/L	ND(0.0030)	ND(0.0030)	ND(0.0030)	ND(0.0030)	ND(0.0030)	ND(0.0030)	ND(0.0030)	ND(0.0030)
MAGNESIUM	mg/L	43	26	--	--	250	44	91	--
MAGNESIUM, DISSOLVED	mg/L	40	26	--	--	34	38	32	--
MANGANESE	mg/L	0.20	0.079	--	--	1.4	0.29	1.2	--
MANGANESE, DISSOLVED	mg/L	0.11	0.076	--	--	0.60	0.19	0.17	--
MERCURY	mg/L	ND(0.00050)	ND(0.00050)	ND(0.0002)	ND(0.0002)	ND(0.00050)	ND(0.00020)	ND(0.00020)	ND(0.0002)
MERCURY, DISSOLVED	mg/L	ND(0.00050)	ND(0.00050)	ND(0.0002)	ND(0.0002)	ND(0.00050)	ND(0.00050)	ND(0.00050)	ND(0.0002)
NICKEL	mg/L	0.016	ND(0.010)	ND(0.040)	ND(0.040)	0.032	0.029 R	0.22	ND(0.040)
NICKEL, DISSOLVED	mg/L	ND(0.010)	ND(0.010)	ND(0.040)	ND(0.040)	ND(0.010)	ND(0.010)	0.031	ND(0.040)
POTASSIUM	mg/L	1.8	1.2	--	--	8.4	1.4	5.4	--
POTASSIUM, DISSOLVED	mg/L	1.2	0.97	--	--	2.8	1.2	1.2	--
SELENIUM	mg/L	ND(0.0050)	ND(0.0050)	--	--	ND(0.0050)	ND(0.0050)	ND(0.0050)	--
SELENIUM, DISSOLVED	mg/L	ND(0.0050)	ND(0.0050)	--	--	ND(0.0050)	ND(0.0060)	ND(0.0050)	--
SILVER	mg/L	ND(0.010)	ND(0.010)	--	--	ND(0.010)	ND(0.010)	ND(0.010)	--
SILVER, DISSOLVED	mg/L	ND(0.010)	ND(0.010)	--	--	ND(0.010)	ND(0.010)	ND(0.010)	--
SODIUM	mg/L	4.6	2.6	--	--	37	6.8	4.0	--
SODIUM, DISSOLVED	mg/L	4.5	2.6	--	--	34	6.8	4.0	--

TABLE I.3

Summary of Groundwater TAL Metals Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		P-27C1	P-27C2	P-27C3	P-27C4	P-28A	P-28C1	P-28C2	P-28C3
Sample I.D.:		GW-WP-012	GW-WP-014	GW-SC-057	GW-SC-53	GW-WP-114	GW-WP-022	GW-WP-024	GW-SC-46
Date Sampled:		06/02/94	06/02/94	10/20/95	10/19/95	06/01/91	06/05/94	06/03/94	10/19/95
Parameters	*Units*								
TAL Metals (Cont'd)									
THALLIUM	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
THALLIUM, DISSOLVED	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.016)	ND(0.010)	ND(0.010)
VANADIUM	mg/L	ND(0.010)	ND(0.010)	--	--	0.039	ND(0.010)	0.030	--
VANADIUM, DISSOLVED	mg/L	ND(0.010)	ND(0.010)	--	--	ND(0.010)	ND(0.010)	ND(0.010)	--
ZINC	mg/L	0.055 J	0.033 J	--	--	0.30	0.14 R	0.16	--
ZINC, DISSOLVED	mg/L	0.027	ND(0.020)	--	--	ND(0.020)	0.026 R	0.056	--

TABLE I.3

Date Printed: January 31, 1996

Summary of Groundwater TAL Metals Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		P-29A	P-29C2	P-30C1	P-30C2	P-30C3	P-30C3	P-30C4	P-31A
Sample I.D.:		GW-WP-021	GW-WP-049	GW-WP-045	GW-WP-043	GW-SC-027	GW-SC-029	GW-SC-025	GW-SC-014
Date Sampled:		06/03/94	06/05/94	06/05/94	06/05/94	10/17/95	10/17/95	10/17/95	04/27/95
							Dupl.		
Parameters	*Units*								
TAL Metals									
ALUMINUM	mg/L	20	ND(0.050)	ND(0.050)	ND(0.050)	--	--	--	0.64
ALUMINUM, DISSOLVED	mg/L	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	--	--	--	ND(0.050)
ANTIMONY	mg/L	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.060)	ND(0.060)	ND(0.060)	ND(0.030)
ANTIMONY, DISSOLVED	mg/L	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.060)	ND(0.060)	ND(0.060)	ND(0.030)
ARSENIC	mg/L	0.023	0.0073	ND(0.0050)	0.010	0.011	ND(0.010)	0.012	0.024
ARSENIC, DISSOLVED	mg/L	0.0099	0.0066	ND(0.0050)	0.010	0.011	ND(0.010)	0.010	0.016
BARIUM	mg/L	0.36	0.071	0.037	0.11	ND(0.20)	ND(0.20)	ND(0.20)	0.046
BARIUM, DISSOLVED	mg/L	0.23	0.067 R	0.037 R	0.11 R	ND(0.20)	ND(0.20)	ND(0.20)	0.028
BERYLLIUM	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
BERYLLIUM, DISSOLVED	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
CADMIUM	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
CADMIUM, DISSOLVED	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
CALCIUM	mg/L	320	94	89	86	--	--	--	230
CALCIUM, DISSOLVED	mg/L	200	89	89	86	--	--	--	210
CHROMIUM	mg/L	0.041	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	0.010	0.054
CHROMIUM, DISSOLVED	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
COBALT	mg/L	0.027	ND(0.010)	ND(0.010)	ND(0.010)	--	--	--	0.030
COBALT, DISSOLVED	mg/L	0.015	ND(0.010)	ND(0.010)	ND(0.010)	--	--	--	0.024
COPPER	mg/L	0.034	ND(0.020)	ND(0.020)	ND(0.020)	--	--	--	ND(0.095) U
COPPER, DISSOLVED	mg/L	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	--	--	--	ND(0.020)
IRON	mg/L	44	1.1	0.89	2.8	--	--	--	4.9
IRON, DISSOLVED	mg/L	6.4	1.1	0.89	2.5	--	--	--	2.4
LEAD	mg/L	0.024	ND(0.0030)	ND(0.0030)	ND(0.0030)	ND(0.0030)	ND(0.0030)	0.010	0.022
LEAD, DISSOLVED	mg/L	ND(0.0030)	ND(0.0030)	ND(0.0030)	ND(0.0030)	ND(0.0030)	ND(0.0030)	ND(0.0030)	0.0044
MAGNESIUM	mg/L	130	35	38	28	--	--	--	88
MAGNESIUM, DISSOLVED	mg/L	87	33	38	28	--	--	--	81
MANGANESE	mg/L	1.5	0.21	0.061	0.072	--	--	--	8.4
MANGANESE, DISSOLVED	mg/L	0.84	0.17	0.056	0.071	--	--	--	7.2
MERCURY	mg/L	ND(0.00020)	ND(0.00020)	ND(0.00020)	ND(0.00020)	ND(0.0002)	ND(0.0002)	ND(0.0002)	ND(0.0002)
MERCURY, DISSOLVED	mg/L	ND(0.00050)	ND(0.00050)	ND(0.00050)	ND(0.00050)	ND(0.0002)	ND(0.0002)	ND(0.0002)	ND(0.0002)
NICKEL	mg/L	0.065	0.011 R	ND(0.010)	0.014 R	ND(0.040)	ND(0.040)	ND(0.040)	0.080
NICKEL, DISSOLVED	mg/L	0.022	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.035) U
POTASSIUM	mg/L	9.8	1.3	0.89	0.98	--	--	--	2.3
POTASSIUM, DISSOLVED	mg/L	3.4	1.3	0.89	0.95	--	--	--	1.5
SELENIUM	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	--	--	--	ND(0.0050)
SELENIUM, DISSOLVED	mg/L	ND(0.0050)	ND(0.0060)	ND(0.0060)	ND(0.0060)	--	--	--	0.0066
SILVER	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	--	--	--	ND(0.010)
SILVER, DISSOLVED	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	--	--	--	ND(0.010)
SODIUM	mg/L	55	4.3	3.6	4.6	--	--	--	130
SODIUM, DISSOLVED	mg/L	55	4.3	3.6	4.6	--	--	--	120

TABLE I.3

Summary of Groundwater TAL Metals Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		P-29A	P-29C2	P-30C1	P-30C2	P-30C3	P-30C3	P-30C4	P-31A
Sample I.D.:		GW-WP-021	GW-WP-049	GW-WP-045	GW-WP-043	GW-SC-027	GW-SC-029	GW-SC-025	GW-SC-014
Date Sampled:		06/03/94	06/05/94	06/05/94	06/05/94	10/17/95	10/17/95	10/17/95	04/27/95
							Dupl.		
Parameters	*Units*								
TAL Metals (Cont'd)									
THALLIUM	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
THALLIUM, DISSOLVED	mg/L	ND(0.010)	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.010)	ND(0.010)	ND(0.010)	0.010
VANADIUM	mg/L	0.043	ND(0.010)	ND(0.010)	ND(0.010)	--	--	--	ND(0.010)
VANADIUM, DISSOLVED	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	--	--	--	ND(0.010)
ZINC	mg/L	0.17 R	ND(0.020)	ND(0.020)	ND(0.020)	--	--	--	0.050 R
ZINC, DISSOLVED	mg/L	0.036	ND(0.020)	ND(0.020)	ND(0.020)	--	--	--	ND(0.020)

TABLE I.3

Date Printed: January 31, 1996

Summary of Groundwater TAL Metals Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		P-31C1	P-31C2	P-31C3	P-31C4	P-32A	P-32C2	P-34*B	P-34*C1
Sample I.D.:		GW-WP-067	GW-WP-077	GW-SC-021	GW-SC-020	GW-SC-009	GW-WP-069	GW-WP-062	GW-WP-073
Date Sampled:		06/07/94	06/08/94	04/27/95	04/27/95	04/26/95	06/07/94	06/07/94	06/08/94
Parameters	*Units*								
TAL Metals									
ALUMINUM	mg/L	0.064	0.18	0.12	ND(0.050)	14	ND(0.050)	21	0.0079 J
ALUMINUM, DISSOLVED	mg/L	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
ANTIMONY	mg/L	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.30)	ND(0.00060)
ANTIMONY, DISSOLVED	mg/L	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.030)
ARSENIC	mg/L	ND(0.0050)	0.011	0.010	0.015	0.018	0.0097	0.018	0.013
ARSENIC, DISSOLVED	mg/L	ND(0.0050)	0.0085	ND(0.0093) U	ND(0.013) U	ND(0.0050)	0.0093	ND(0.0050)	0.0085 J
BARIUM	mg/L	0.060	0.11	0.12	0.14	0.22	0.10	0.22	0.10 J
BARIUM, DISSOLVED	mg/L	0.064	0.11	0.12	0.14	0.086	0.10	0.063	0.060
BERYLLIUM	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
BERYLLIUM, DISSOLVED	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
CADMIUM	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.005)
CADMIUM, DISSOLVED	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
CALCIUM	mg/L	96	94	96	90	210	85	420	90
CALCIUM, DISSOLVED	mg/L	100	94	92	88	140	85	150	86
CHROMIUM	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	0.076	ND(0.010)	0.042	0.028
CHROMIUM, DISSOLVED	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
COBALT	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	0.040	ND(0.010)	0.025	ND(0.010)
COBALT, DISSOLVED	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	0.010	ND(0.010)	ND(0.010)	ND(0.010)
COPPER	mg/L	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.074) U	ND(0.020)	0.046	ND(0.020)
COPPER, DISSOLVED	mg/L	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)
IRON	mg/L	0.70	2.7	3.3	2.4	35	3.3	47	1.9
IRON, DISSOLVED	mg/L	0.54	1.8	2.5	2.2	0.22	3.3	0.053	0.026 J
LEAD	mg/L	ND(0.0030)	ND(0.0030)	ND(0.0030)	ND(0.0030)	0.064	ND(0.0030)	0.039	ND(0.000060)
LEAD, DISSOLVED	mg/L	ND(0.0030)	ND(0.0030)	ND(0.0030)	ND(0.0030)	ND(0.0030)	ND(0.0030)	ND(0.0050)	ND(0.0030)
MAGNESIUM	mg/L	35	35	31	29	82	29	180	37
MAGNESIUM, DISSOLVED	mg/L	37	35	30	28	46	29	54	35
MANGANESE	mg/L	0.047	0.065	0.058	0.061	2.0	0.061	1.9	0.20
MANGANESE, DISSOLVED	mg/L	0.043	0.064	0.048	0.058	1.2	0.064	0.24	0.16
MERCURY	mg/L	ND(0.00020)	ND(0.00050)	ND(0.0002)	ND(0.0002)	ND(0.0002)	ND(0.00020)	ND(0.00050)	ND(0.00050)
MERCURY, DISSOLVED	mg/L	ND(0.00020)	ND(0.00050)	ND(0.0002)	ND(0.0002)	ND(0.0002)	ND(0.00020)	ND(0.00050)	ND(0.00050)
NICKEL	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	0.075	ND(0.010)	0.066	0.026
NICKEL, DISSOLVED	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	0.010	ND(0.010)
POTASSIUM	mg/L	2.8	1.6	1.0	0.97	4.8	0.94	9.5	1.6
POTASSIUM, DISSOLVED	mg/L	2.9	1.5	1.0	1.0	2.3	1.0	1.9	1.5
SELENIUM	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.00010)
SELENIUM, DISSOLVED	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
SILVER	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
SILVER, DISSOLVED	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
SODIUM	mg/L	9.1	7.0	5.4	5.2	18	4.0	27	5.9
SODIUM, DISSOLVED	mg/L	9.7	7.0	5.4	5.2	19	4.1	27	5.9

TABLE I.3

Summary of Groundwater TAL Metals Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		P-31C1	P-31C2	P-31C3	P-31C4	P-32A	P-32C2	P-34*B	P-34*C1
Sample I.D.:		GW-WP-067	GW-WP-077	GW-SC-021	GW-SC-020	GW-SC-009	GW-WP-069	GW-WP-062	GW-WP-073
Date Sampled:		06/07/94	06/08/94	04/27/95	04/27/95	04/26/95	06/07/94	06/07/94	06/08/94
Parameters	*Units*								
TAL Metals (Cont'd)									
THALLIUM	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.00020)
THALLIUM, DISSOLVED	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
VANADIUM	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	0.035	ND(0.010)	0.039	ND(0.010)
VANADIUM, DISSOLVED	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
ZINC	mg/L	0.021 R	0.025 R	ND(0.033) U	ND(0.020) UJ	0.18	ND(0.020)	0.32	0.054 R
ZINC, DISSOLVED	mg/L	0.021	0.025	0.027	ND(0.020)	ND(0.026) U	0.021	0.022	0.054 J

TABLE I.3

Summary of Groundwater TAL Metals Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		P-34*C1	P-34*C2	P-34*C3	P-34*C4	RBLK(MW-28B)	RBLK(MW-31B)	RBLK(MW-33B)	RBLK(MW-33B)
Sample I.D.:		GW-WP-075	GW-WP-071	GW-SC-039	GW-SC-035	GW-WP-018	GW-WP-050	GW-WP-072	GW-WP-072R
Date Sampled:		06/08/94	06/08/94	10/18/95	10/18/95	06/02/94	06/06/94	06/08/94	06/08/94
		Dupl.							Reanal 1
Parameters	*Units*								
TAL Metals									
ALUMINUM	mg/L	0.29 J	0.31	--	--	ND(0.050)	ND(0.050)	0.058	--
ALUMINUM, DISSOLVED	mg/L	ND(0.10)	ND(0.050)	--	--	ND(0.050)	ND(0.050)	--	0.073
ANTIMONY	mg/L	ND(0.030)	ND(0.030)	ND(0.060)	ND(0.060)	ND(0.030)	ND(0.030)	ND(0.030)	--
ANTIMONY, DISSOLVED	mg/L	ND(0.030)	ND(0.030)	ND(0.060)	ND(0.060)	ND(0.030)	ND(0.030)	--	0.043
ARSENIC	mg/L	0.013	0.0092	ND(0.010)	0.018	ND(0.0050)	ND(0.0050)	ND(0.0050)	--
ARSENIC, DISSOLVED	mg/L	0.011 J	0.0068	ND(0.010)	0.010	ND(0.0050)	ND(0.0050)	--	ND(0.0050)
BARIUM	mg/L	0.10	0.087	ND(0.20)	ND(0.20)	ND(0.010)	ND(0.010)	ND(0.010)	--
BARIUM, DISSOLVED	mg/L	0.068	0.074	ND(0.20)	ND(0.20)	ND(0.010)	ND(0.010)	--	--
BERYLLIUM	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	--
BERYLLIUM, DISSOLVED	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	--	ND(0.0050)
CADMIUM	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	--
CADMIUM, DISSOLVED	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	--	ND(0.0050)
CALCIUM	mg/L	90	92	--	--	0.22	ND(0.20)	--	--
CALCIUM, DISSOLVED	mg/L	90	88	--	--	0.22	ND(0.20)	--	--
CHROMIUM	mg/L	0.029	0.013	ND(0.010)	0.036	ND(0.010)	ND(0.010)	ND(0.010)	--
CHROMIUM, DISSOLVED	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	--	ND(0.010)
COBALT	mg/L	ND(0.010)	ND(0.010)	--	--	ND(0.010)	ND(0.010)	ND(0.010)	--
COBALT, DISSOLVED	mg/L	ND(0.010)	ND(0.010)	--	--	ND(0.010)	ND(0.010)	--	0.024
COPPER	mg/L	ND(0.020)	ND(0.020)	--	--	ND(0.020)	ND(0.020)	ND(0.020)	--
COPPER, DISSOLVED	mg/L	ND(0.020)	ND(0.020)	--	--	ND(0.020)	ND(0.020)	--	ND(0.020)
IRON	mg/L	1.9	3.1	--	--	0.052	0.047	--	--
IRON, DISSOLVED	mg/L	0.14 J	1.2	--	--	ND(0.025)	0.034	--	--
LEAD	mg/L	ND(0.0030)	ND(0.0050)	0.0038	0.028	ND(0.0030)	ND(0.0030)	0.0045	--
LEAD, DISSOLVED	mg/L	ND(0.0030)	ND(0.0050)	ND(0.0030)	ND(0.0030)	ND(0.0030)	ND(0.0030)	--	ND(0.0030)
MAGNESIUM	mg/L	37	31	--	--	ND(0.20)	ND(0.20)	0.40	--
MAGNESIUM, DISSOLVED	mg/L	37	30	--	--	ND(0.20)	ND(0.20)	--	--
MANGANESE	mg/L	0.20	0.13	--	--	ND(0.010)	ND(0.010)	ND(0.010)	--
MANGANESE, DISSOLVED	mg/L	0.19	0.11	--	--	ND(0.010)	ND(0.010)	--	0.027
MERCURY	mg/L	ND(0.00050)	ND(0.00050)	ND(0.0002)	ND(0.0002)	ND(0.00020)	ND(0.00020)	ND(0.00050)	--
MERCURY, DISSOLVED	mg/L	ND(0.00050)	ND(0.00050)	ND(0.0002)	ND(0.0002)	ND(0.00050)	ND(0.00020)	--	ND(0.00050)
NICKEL	mg/L	0.025	0.015	ND(0.040)	ND(0.040)	ND(0.010)	ND(0.010)	ND(0.010)	--
NICKEL, DISSOLVED	mg/L	ND(0.010)	ND(0.010)	ND(0.040)	ND(0.040)	ND(0.010)	ND(0.010)	--	--
POTASSIUM	mg/L	1.8	1.3	--	--	ND(0.20)	ND(0.20)	ND(0.20)	--
POTASSIUM, DISSOLVED	mg/L	1.6	1.1	--	--	ND(0.20)	ND(0.20)	--	--
SELENIUM	mg/L	ND(0.0050)	ND(0.0050)	--	--	ND(0.0050)	ND(0.0050)	ND(0.0050)	--
SELENIUM, DISSOLVED	mg/L	ND(0.0050)	ND(0.0050)	--	--	ND(0.0050)	ND(0.0050)	--	ND(0.0050)
SILVER	mg/L	ND(0.010)	0.012	--	--	ND(0.010)	ND(0.010)	ND(0.010)	--
SILVER, DISSOLVED	mg/L	ND(0.010)	ND(0.010)	--	--	ND(0.010)	ND(0.010)	--	ND(0.010)
SODIUM	mg/L	6.0	4.3	--	--	0.28	0.26	0.27	--
SODIUM, DISSOLVED	mg/L	6.0	4.3	--	--	0.41	0.26	--	0.27

TABLE I.3

Summary of Groundwater TAL Metals Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		P-34*C1	P-34*C2	P-34*C3	P-34*C4	RBLK(MW-28B)	RBLK(MW-31B)	RBLK(MW-33B)	RBLK(MW-33B)
Sample I.D.:		GW-WP-075	GW-WP-071	GW-SC-039	GW-SC-035	GW-WP-018	GW-WP-050	GW-WP-072	GW-WP-072R
Date Sampled:		06/08/94	06/08/94	10/18/95	10/18/95	06/02/94	06/06/94	06/08/94	06/08/94
		Dupl.							Reanal 1
Parameters	*Units*								
TAL Metals (Cont'd)									
THALLIUM	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	--
THALLIUM, DISSOLVED	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	--	ND(0.010)
VANADIUM	mg/L	ND(0.010)	ND(0.010)	--	--	ND(0.010)	ND(0.010)	ND(0.010)	--
VANADIUM, DISSOLVED	mg/L	ND(0.010)	ND(0.010)	--	--	ND(0.010)	ND(0.010)	--	ND(0.010)
ZINC	mg/L	0.037 R	0.032	--	--	ND(0.020)	0.021	0.046	--
ZINC, DISSOLVED	mg/L	ND(0.020) UJ	0.024	--	--	ND(0.020)	0.021	--	0.044

TABLE I.3

Summary of Groundwater TAL Metals Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		RBLK(MW-33B)	RBLK(MW-33B)	RBLK(P-1)	RBLK(P-1)	RBLK(P-4C1)	RBLK(P-4C1)	RBLK(P-11A)	RBLK(P-11A)
Sample I.D.:		GW-WP-072S	GW-WP-072Y	GW-WP-086	GW-WP-086R	GW-WP-002	GW-WP-002R	GW-WP-085	GW-WP-085R
Date Sampled:		06/08/94	06/08/94	06/14/94	06/14/94	06/01/94	06/01/94	06/08/94	06/08/94
					Reanal 1		Reanal 1		Reanal 1
Parameters	*Units*								
TAL Metals									
ALUMINUM	mg/L	ND(0.050)	--	ND(0.050)	--	ND(0.050)	--	0.10	--
ALUMINUM, DISSOLVED	mg/L	--	ND(0.050)	--	ND(0.050)	--	ND(0.050)	--	0.071
ANTIMONY	mg/L	ND(0.030)	--	ND(0.030)	--	ND(0.030)	--	ND(0.030)	--
ANTIMONY, DISSOLVED	mg/L	--	ND(0.030)	--	ND(0.030)	--	ND(0.030)	--	ND(0.030)
ARSENIC	mg/L	--	--	ND(0.0050)	--	ND(0.0050)	--	ND(0.0050)	--
ARSENIC, DISSOLVED	mg/L	--	--	--	ND(0.0050)	--	ND(0.0050)	--	ND(0.0050)
BARIUM	mg/L	ND(0.010)	--	ND(0.010)	--	ND(0.010)	--	ND(0.010)	--
BARIUM, DISSOLVED	mg/L	--	ND(0.010)	--	ND(0.010)	--	ND(0.010)	--	ND(0.010)
BERYLLIUM	mg/L	--	--	ND(0.0050)	--	ND(0.0050)	--	ND(0.0050)	--
BERYLLIUM, DISSOLVED	mg/L	--	--	--	ND(0.0050)	--	ND(0.0050)	--	ND(0.0050)
CADMIUM	mg/L	--	--	ND(0.0050)	--	ND(0.0050)	--	ND(0.0050)	--
CADMIUM, DISSOLVED	mg/L	--	--	--	ND(0.0050)	--	ND(0.0050)	--	ND(0.0050)
CALCIUM	mg/L	ND(0.20)	--	ND(0.20)	--	ND(0.20)	--	0.39	--
CALCIUM, DISSOLVED	mg/L	--	ND(0.20)	--	ND(0.20)	--	0.42	--	ND(0.20)
CHROMIUM	mg/L	--	--	ND(0.010)	--	ND(0.010)	--	ND(0.010)	--
CHROMIUM, DISSOLVED	mg/L	--	--	--	ND(0.010)	--	ND(0.010)	--	ND(0.010)
COBALT	mg/L	ND(0.010)	--	ND(0.010)	--	ND(0.010)	--	ND(0.010)	--
COBALT, DISSOLVED	mg/L	--	ND(0.010)	--	ND(0.010)	--	ND(0.010)	--	ND(0.010)
COPPER	mg/L	--	--	ND(0.020)	--	ND(0.020)	--	ND(0.020)	--
COPPER, DISSOLVED	mg/L	--	--	--	ND(0.020)	--	ND(0.020)	--	ND(0.020)
IRON	mg/L	ND(0.025)	--	ND(0.025)	--	ND(0.025)	--	0.038	--
IRON, DISSOLVED	mg/L	--	ND(0.025)	--	ND(0.025)	--	ND(0.025)	--	ND(0.025)
LEAD	mg/L	--	--	ND(0.0030)	--	ND(.0030)	--	ND(0.0030)	--
LEAD, DISSOLVED	mg/L	--	--	--	ND(0.0030)	--	ND(0.0030)	--	ND(0.0030)
MAGNESIUM	mg/L	0.31	--	ND(0.20)	--	ND(0.20)	--	0.21	--
MAGNESIUM, DISSOLVED	mg/L	--	0.21	--	ND(0.20)	--	0.21	--	ND(0.20)
MANGANESE	mg/L	ND(0.010)	--	ND(0.010)	--	ND(0.010)	--	ND(0.010)	--
MANGANESE, DISSOLVED	mg/L	--	ND(0.010)	--	ND(0.010)	--	ND(0.010)	--	ND(0.010)
MERCURY	mg/L	--	--	ND(0.00050)	--	ND(0.00050)	--	ND(0.0050)	--
MERCURY, DISSOLVED	mg/L	--	--	--	ND(0.00050)	--	ND(0.00050)	--	ND(0.00050)
NICKEL	mg/L	ND(0.010)	--	ND(0.010)	--	ND(0.010)	--	ND(0.010)	--
NICKEL, DISSOLVED	mg/L	--	ND(0.010)	--	ND(0.010)	--	ND(0.010)	--	ND(0.010)
POTASSIUM	mg/L	ND(0.20)	--	ND(0.20)	--	0.25	--	ND(0.20)	--
POTASSIUM, DISSOLVED	mg/L	--	ND(0.20)	--	ND(0.20)	--	ND(0.20)	--	ND(0.20)
SELENIUM	mg/L	--	--	ND(0.0050)	--	ND(0.0050)	--	ND(0.0050)	--
SELENIUM, DISSOLVED	mg/L	--	--	--	ND(0.0050)	--	ND(0.0050)	--	ND(0.0050)
SILVER	mg/L	--	--	ND(0.010)	--	ND(0.010)	--	ND(0.010)	--
SILVER, DISSOLVED	mg/L	--	--	--	ND(0.010)	--	ND(0.010)	--	ND(0.010)
SODIUM	mg/L	--	--	0.37	--	0.54	--	0.47	--
SODIUM, DISSOLVED	mg/L	--	--	--	0.37	--	0.52	--	0.44

TABLE I.3

Summary of Groundwater TAL Metals Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		RBLK(MW-33B)	RBLK(MW-33B)	RBLK(P-1)	RBLK(P-1)	RBLK(P-4C1)	RBLK(P-4C1)	RBLK(P-11A)	RBLK(P-11A)
Sample I.D.:		GW-WP-072S	GW-WP-072Y	GW-WP-086	GW-WP-086R	GW-WP-002	GW-WP-002R	GW-WP-085	GW-WP-085R
Date Sampled:		06/08/94	06/08/94	06/14/94	06/14/94	06/01/94	06/01/94	06/08/94	06/08/94
					Reanal 1		Reanal 1		Reanal 1
Parameters	*Units*								
TAL Metals (Cont'd)									
THALLIUM	mg/L	--	--	ND(0.010)	--	ND(0.010)	--	ND(0.010)	--
THALLIUM, DISSOLVED	mg/L	--	--	--	ND(0.010)	--	ND(0.010)	--	ND(0.010)
VANADIUM	mg/L	--	--	ND(0.010)	--	ND(0.010)	--	ND(0.010)	--
VANADIUM, DISSOLVED	mg/L	--	--	--	ND(0.010)	--	ND(0.010)	--	ND(0.010)
ZINC	mg/L	--	--	ND(0.020)	--	0.10	--	0.023	--
ZINC, DISSOLVED	mg/L	--	--	--	ND(0.020)	--	0.027	--	ND(0.020)

TABLE I.3

Summary of Groundwater TAL Metals Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		RBLK(P-24C2)	RBLK(P-27C4)	RBLK(P-29A)	RBLK(P-29A)	RBLK(P-34*C4)
Sample I.D.:		GW-SC-015	W-SC-51	GW-WP-019	GW-WP-019R	W-SC-033
Date Sampled:		04/26/95	10/19/95	06/03/94	06/03/94	10/18/95
					Reanal 1	
Parameters	*Units*					
TAL Metals						
ALUMINUM	mg/L	ND(0.050)	--	ND(0.050)	--	--
ALUMINUM, DISSOLVED	mg/L	--	--	--	ND(0.050)	--
ANTIMONY	mg/L	ND(0.030)	ND(0.060)	ND(0.030)	--	ND(0.060)
ANTIMONY, DISSOLVED	mg/L	--	ND(0.060)	--	ND(0.030)	ND(0.060)
ARSENIC	mg/L	ND(0.0050)	ND(0.010)	ND(0.0050)	--	ND(0.010)
ARSENIC, DISSOLVED	mg/L	--	ND(0.010)	--	ND(0.0050)	ND(0.010)
BARIUM	mg/L	ND(0.010)	ND(0.20)	ND(0.010)	--	ND(0.20)
BARIUM, DISSOLVED	mg/L	--	ND(0.20)	--	ND(0.010)	ND(0.20)
BERYLLIUM	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	--	ND(0.0050)
BERYLLIUM, DISSOLVED	mg/L	--	ND(0.0050)	--	ND(0.0050)	ND(0.0050)
CADMIUM	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	--	ND(0.0050)
CADMIUM, DISSOLVED	mg/L	--	ND(0.0050)	--	ND(0.0050)	ND(0.0050)
CALCIUM	mg/L	ND(0.31) U	--	ND(0.20)	--	--
CALCIUM, DISSOLVED	mg/L	--	--	--	ND(0.20)	--
CHROMIUM	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	--	ND(0.010)
CHROMIUM, DISSOLVED	mg/L	--	ND(0.010)	--	ND(0.010)	ND(0.010)
COBALT	mg/L	ND(0.010)	--	ND(0.010)	--	--
COBALT, DISSOLVED	mg/L	--	--	--	ND(0.010)	--
COPPER	mg/L	ND(0.020)	--	ND(0.020)	--	--
COPPER, DISSOLVED	mg/L	--	--	--	ND(0.020)	--
IRON	mg/L	ND(0.062) U	--	ND(0.025)	--	--
IRON, DISSOLVED	mg/L	--	--	--	ND(0.025)	--
LEAD	mg/L	ND(0.0030)	ND(0.0030)	ND(0.0030)	--	ND(0.0030)
LEAD, DISSOLVED	mg/L	--	ND(0.0050)	--	ND(0.0030)	ND(0.0030)
MAGNESIUM	mg/L	ND(0.20)	--	ND(0.20)	--	--
MAGNESIUM, DISSOLVED	mg/L	--	--	--	ND(0.20)	--
MANGANESE	mg/L	ND(0.010)	--	ND(0.010)	--	--
MANGANESE, DISSOLVED	mg/L	--	--	--	ND(0.010)	--
MERCURY	mg/L	ND(0.0002)	ND(0.0002)	ND(0.00020)	--	ND(0.0002)
MERCURY, DISSOLVED	mg/L	--	ND(0.0002)	--	ND(0.00050)	ND(0.0002)
NICKEL	mg/L	0.018	ND(0.040)	ND(0.010)	--	ND(0.040)
NICKEL, DISSOLVED	mg/L	--	ND(0.040)	--	ND(0.010)	ND(0.040)
POTASSIUM	mg/L	ND(0.20)	--	ND(0.20)	--	--
POTASSIUM, DISSOLVED	mg/L	--	--	--	ND(0.20)	--
SELENIUM	mg/L	ND(0.0050)	--	ND(0.0050)	--	--
SELENIUM, DISSOLVED	mg/L	--	--	--	ND(0.0050)	--
SILVER	mg/L	ND(0.010)	--	ND(0.010)	--	--
SILVER, DISSOLVED	mg/L	--	--	--	ND(0.010)	--
SODIUM	mg/L	0.30 R	--	0.31	--	--
SODIUM, DISSOLVED	mg/L	--	--	--	0.31	--

TABLE I.3

Summary of Groundwater TAL Metals Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		RBLK(P-24C2)	RBLK(P-27C4)	RBLK(P-29A)	RBLK(P-29A)	RBLK(P-34*C4)
Sample I.D.:		GW-SC-015	W-SC-51	GW-WP-019	GW-WP-019R	W-SC-033
Date Sampled:		04/26/95	10/19/95	06/03/94	06/03/94	10/18/95
					Reanal 1	
Parameters	*Units*					
TAL Metals (Cont'd)						
THALLIUM	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	--	ND(0.010)
THALLIUM, DISSOLVED	mg/L	--	ND(0.010)	--	ND(0.010)	ND(0.010)
VANADIUM	mg/L	ND(0.010)	--	ND(0.010)	--	--
VANADIUM, DISSOLVED	mg/L	--	--	--	ND(0.010)	--
ZINC	mg/L	0.032 R	--	0.045	--	--
ZINC, DISSOLVED	mg/L	--	--	--	ND(0.020)	--

TABLE I.4

Date Printed: January 31, 1996

Summary of Groundwater General Chemistry Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		MW-4B	MW-7B	MW-8	MW-8	MW-20	MW-21L	MW-21L	MW-21M
Sample I.D.:		GW-SC-097	GW-SC-077	GW-WP-087	GW-SC-091	GW-WP-055	GW-WP-025	GW-SC-090	GW-WP-003
Date Sampled:		10/26/95	10/24/95	06/08/94	10/25/95	06/06/94	06/03/94	10/26/95	06/01/94
Parameters	*Units*								
General Chemistry									
ALKALINITY	mg/L	--	--	250	--	380	330	--	270
CHLORIDE	mg/L	--	--	3.7	--	3.1	2.4	--	5.1
CYANIDE	mg/L	--	--	ND(0.01)	--	ND(0.01)	ND(0.01)	--	ND(0.01)
GROSS ALPHA	pCi/L	ND(3.0)	ND(3.0)	--	ND(3.0)	--	--	ND(3.0)	--
GROSS BETA	pCi/L	ND(4.0)	ND(4.0)	--	ND(4.0)	--	--	ND(4.0)	--
NITROGEN, AMMONIA	mg/L	--	--	0.15 R	--	ND(0.12)	0.15 R	--	ND(0.12)
NITROGEN, NITRATE	mg/L	--	--	ND(0.01)	--	ND(0.01)	ND(0.01)	--	ND(0.01) UJ
PH	std. units	--	--	7.4	--	7.7	7.5 J	--	7.3
SOLIDS	mg/L	--	--	390	--	380	360	--	380
SULFATE	mg/L	--	--	62	--	45	42	--	83
SUSPENDED SOLIDS	mg/L	--	--	9	--	280	69	--	6

TABLE I.4

Summary of Groundwater General Chemistry Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		MW-21M	MW-21M	MW-21S	MW-21S	MW-21S	MW-21S	MW-22	MW-23B
Sample I.D.:		GW-WP-005	GW-SC-099	GW-WP-013	GW-WP-015	GW-SC-086	GW-SC-088	GW-SC-060	GW-WP-026
Date Sampled:		06/01/94	10/26/95	06/02/94	06/02/94	10/26/95	10/26/95	10/24/95	06/03/94
		Dupl.			Dupl.		Dupl.		
Parameters	*Units*								
General Chemistry									
ALKALINITY	mg/L	270	--	460	460	--	--	--	610
CHLORIDE	mg/L	5.1	--	2.5	2.4	--	--	--	8.1
CYANIDE	mg/L	ND(0.01)	--	ND(0.01)	ND(0.01)	--	--	--	ND(0.01)
GROSS ALPHA	pCi/L	--	ND(3.0)	--	--	ND(3.0)	ND(3.0)	ND(3.0)	--
GROSS BETA	pCi/L	--	6.4	--	--	ND(4.0)	7.6	ND(4.0)	--
NITROGEN, AMMONIA	mg/L	ND(0.12)	--	ND(0.12)	ND(0.12)	--	--	--	3.9
NITROGEN, NITRATE	mg/L	ND(0.01) UJ	--	0.03 J	0.04 J	--	--	--	0.04
PH	std. units	7.4	--	7.3	7.3	--	--	--	7.0 J
SOLIDS	mg/L	350	--	650 J	340 J	--	--	--	470
SULFATE	mg/L	81	--	180	190	--	--	--	24
SUSPENDED SOLIDS	mg/L	6	--	80	66	--	--	--	2700

TABLE I.4

Summary of Groundwater General Chemistry Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		MW-23B	MW-23B	MW-24B	MW-24L2	MW-24L2	MW-24S	MW-25B	MW-26
Sample I.D.:		GW-SC-052	GW-SC-054	GW-WP-048	GW-SC-079	GW-SC-081	GW-SC-083	GW-WP-007	GW-WP-066
Date Sampled:		10/23/95	10/23/95	06/06/94	10/25/95	10/25/95	10/25/95	06/01/94	06/08/94
			Dupl.			Dupl.			
Parameters	*Units*								
General Chemistry									
ALKALINITY	mg/L	--	--	350	--	--	--	410	400
CHLORIDE	mg/L	--	--	2.7	--	--	--	3.4	29
CYANIDE	mg/L	--	--	ND(0.01)	--	--	--	ND(0.01)	0.02 J
GROSS ALPHA	pCi/L	3.6 J	ND(3.0) UJ	--	ND(3.0)	ND(3.0)	ND(3.0)	--	--
GROSS BETA	pCi/L	ND(4.0)	ND(4.0)	--	ND(4.0)	ND(4.0)	ND(4.0)	--	--
NITROGEN, AMMONIA	mg/L	--	--	0.13 R	--	--	--	ND(0.12)	ND(0.12)
NITROGEN, NITRATE	mg/L	--	--	ND(0.01)	--	--	--	0.03 J	ND(0.01)
PH	std. units	--	--	7.4	--	--	--	7.4	7.2
SOLIDS	mg/L	--	--	360	--	--	--	450	510
SULFATE	mg/L	--	--	63	--	--	--	68	110
SUSPENDED SOLIDS	mg/L	--	--	1200	--	--	--	190	860 J

TABLE I.4

Summary of Groundwater General Chemistry Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		MW-26	MW-26	MW-27B	MW-27B	MW-28B	MW-28B	MW-29B	MW-29B
Sample I.D.:		GW-WP-068	GW-SC-085	GW-WP-010	GW-SC-071	GW-WP-020	GW-SC-073	GW-WP-023	GW-SC-075
Date Sampled:		06/08/94	10/25/95	06/01/94	10/24/95	06/02/94	10/24/95	06/03/94	10/24/95
		Dupl.							
Parameters	*Units*								
General Chemistry									
ALKALINITY	mg/L	410	--	490	--	650	--	370	--
CHLORIDE	mg/L	29	--	25	--	28	--	42	--
CYANIDE	mg/L	ND(0.01) UJ	--	ND(0.01)	--	ND(0.01)	--	ND(0.01)	--
GROSS ALPHA	pCi/L	--	ND(3.0)	--	4.9	--	6.6	--	3.2
GROSS BETA	pCi/L	--	ND(4.0)	--	ND(4.0)	--	4.1	--	ND(4.0)
NITROGEN, AMMONIA	mg/L	ND(0.12)	--	ND(0.12)	--	ND(0.12)	--	ND(0.12)	--
NITROGEN, NITRATE	mg/L	ND(0.01)	--	0.18 J	--	ND(0.01)	--	0.71	--
PH	std. units	7.3	--	7.4	--	7.5 J	--	7.4 J	--
SOLIDS	mg/L	520	--	440	--	370	--	520	--
SULFATE	mg/L	110	--	110	--	54	--	100	--
SUSPENDED SOLIDS	mg/L	1200 J	--	4200	--	6200	--	760	--

TABLE I.4

Summary of Groundwater General Chemistry Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		MW-30B	MW-31B	MW-31B	MW-32B	MW-33B	MW-33B	MW-33B	P-1
Sample I.D.:		GW-WP-032	GW-WP-052	GW-SC-072	GW-WP-058	GW-WP-074	GW-WP-076	GW-SC-089	GW-WP-088
Date Sampled:		06/05/94	06/06/94	10/25/95	06/07/94	06/08/94	06/08/94	10/25/95	06/15/94
							Dupl.		
Parameters	*Units*								
General Chemistry									
ALKALINITY	mg/L	460 J	410	--	450	410	420	--	340
CHLORIDE	mg/L	3.9	15 J	--	22 J	7.4	7.0	--	5.3
CYANIDE	mg/L	ND(0.01)	ND(0.01)	--	ND(0.01)	ND(0.08) U	0.17 J	--	ND(0.01)
GROSS ALPHA	pCi/L	--	--	ND(3.0)	--	--	--	5.7 J	--
GROSS BETA	pCi/L	--	--	4.5	--	--	--	4.5	--
NITROGEN, AMMONIA	mg/L	ND(0.12)	ND(0.12)	--	ND(0.12)	0.21 R	0.15 R	--	0.39
NITROGEN, NITRATE	mg/L	ND(0.01)	0.02	--	0.09	ND(0.01)	ND(0.01)	--	0.08
PH	std. units	7.2	7.3	--	7.2	7.3	7.3	--	8.0
SOLIDS	mg/L	460 J	490	--	620	520	490	--	340
SULFATE	mg/L	31	83	--	140	110	100	--	60
SUSPENDED SOLIDS	mg/L	2400	2200 J	--	2200	1200 J	1700 J	--	790

TABLE I.4

Summary of Groundwater General Chemistry Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		P-1A	P-1A	P-2A	P-2A	P-2A	P-2B	P-2B	P-2C2
Sample I.D.:		GW-WP-044	GW-SC-065	GW-WP-054	GW-WP-056	GW-SC-063	GW-WP-079	GW-SC-095	GW-WP-081
Date Sampled:		06/08/94	10/23/95	06/07/94	06/07/94	10/23/95	06/08/94	10/26/95	06/08/94
					Dupl.				
Parameters	*Units*								
General Chemistry									
ALKALINITY	mg/L	560	--	380 J	1900 J	--	450	--	300
CHLORIDE	mg/L	6.4	--	650 J	620 J	--	7.9	--	5.8
CYANIDE	mg/L	ND(0.01) UJ	--	0.31 J	0.52 J	--	0.02	--	ND(0.01)
GROSS ALPHA	pCi/L	--	5.0 J	--	--	6.4 J	--	ND(3.0)	--
GROSS BETA	pCi/L	--	ND(4.0)	--	--	9.4	--	8.6	--
NITROGEN, AMMONIA	mg/L	ND(0.12)	--	11	11	--	1.1	--	0.19 R
NITROGEN, NITRATE	mg/L	ND(0.01)	--	1.6 J	0.37 J	--	ND(0.01)	--	0.03
PH	std. units	7.2	--	6.3	6.2	--	7.4	--	7.4
SOLIDS	mg/L	570	--	1500	1500	--	510	--	320
SULFATE	mg/L	110	--	ND(5.0)	ND(5.0)	--	52	--	78
SUSPENDED SOLIDS	mg/L	4200	--	290	290	--	130	--	440

TABLE I.4

Summary of Groundwater General Chemistry Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		P-2C2	P-4B	P-4C1	P-4C1	P-4C2	P-4C2	P-4C2	P-5B
Sample I.D.:		GW-SC-096	GW-WP-004	GW-WP-006	GW-SC-098	GW-WP-008	GW-SC-092	GW-SC-094	GW-WP-040
Date Sampled:		10/26/95	06/01/94	06/01/94	10/26/95	06/01/94	10/26/95	10/26/95	06/05/94
								Dupl.	
Parameters	*Units*								
General Chemistry									
ALKALINITY	mg/L	--	970	790	--	290	--	--	620
CHLORIDE	mg/L	--	36	4.0	--	2.4	--	--	6.1
CYANIDE	mg/L	--	ND(0.01)	ND(0.01)	--	ND(0.01)	--	--	ND(0.01)
GROSS ALPHA	pCi/L	ND(3.0)	--	--	ND(3.0)	--	ND(3.0)	ND(3.0)	--
GROSS BETA	pCi/L	ND(4.0)	--	--	ND(4.0)	--	ND(4.0)	ND(4.0)	--
NITROGEN, AMMONIA	mg/L	--	ND(0.12)	0.19 R	--	0.17 R	--	--	ND(0.12)
NITROGEN, NITRATE	mg/L	--	0.10	0.02	--	0.02 J	--	--	ND(0.01)
PH	std. units	--	7.6	7.6	--	7.5	--	--	7.4
SOLIDS	mg/L	--	740	320	--	320	--	--	180
SULFATE	mg/L	--	210	63	--	50	--	--	91
SUSPENDED SOLIDS	mg/L	--	15000	6000	--	27	--	--	6300

TABLE I.4

Summary of Groundwater General Chemistry Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		P-5B	P-5C1	P-5C2	P-5C2	P-7B	P-8A	P-8A	P-8B
Sample I.D.:		GW-SC-064	GW-WP-057	GW-WP-059	GW-SC-062	GW-WP-017	GW-WP-042	GW-SC-42	GW-WP-034
Date Sampled:		10/24/95	06/06/94	06/06/94	10/24/95	06/02/94	06/08/94	10/19/95	06/05/94
Parameters	*Units*								
General Chemistry									
ALKALINITY	mg/L	--	380	280	--	400 J	430	--	420
CHLORIDE	mg/L	--	2.6	6.2	--	380	65	--	17
CYANIDE	mg/L	--	ND(0.01)	ND(0.01)	--	ND(0.01)	0.06	--	ND(0.01)
GROSS ALPHA	pCi/L	6.6	--	--	ND(3.0)	--	--	ND(3.0) UJ	--
GROSS BETA	pCi/L	ND(4.0)	--	--	ND(4.0)	--	--	ND(4.0)	--
NITROGEN, AMMONIA	mg/L	--	0.14 R	ND(0.12)	--	ND(0.12)	2.8	--	ND(0.12)
NITROGEN, NITRATE	mg/L	--	ND(0.01)	ND(0.01)	--	0.06	0.12	--	ND(0.01)
PH	std. units	--	7.4	7.5	--	7.3 J	6.9	--	7.2
SOLIDS	mg/L	--	450	380	--	950	600	--	470
SULFATE	mg/L	--	88	88	--	100	36	--	25
SUSPENDED SOLIDS	mg/L	--	100	71	--	4100	510	--	640

TABLE I.4

Summary of Groundwater General Chemistry Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		P-8B	P-8B	P-8B	P-8C1	P-8C1	P-8C2	P-8C2	P-10
Sample I.D.:		GW-WP-036	GW-SC-034	GW-SC-036	GW-WP-047	GW-SC-038	GW-WP-051	GW-SC-048	GW-SC-001
Date Sampled:		06/05/94	10/18/95	10/18/95	06/05/94	10/18/95	06/06/94	10/23/95	04/25/95
		Dupl.		Dupl.					
Parameters	*Units*								
General Chemistry									
ALKALINITY	mg/L	430	--	--	420	--	320	--	660
CHLORIDE	mg/L	17	--	--	42	--	3.4	--	32
CYANIDE	mg/L	ND(0.01)	--	--	0.04	--	ND(0.01)	--	ND(0.005)
GROSS ALPHA	pCi/L	--	ND(3.0) UJ	ND(3.0) UJ	--	ND(3.0) UJ	--	ND(3.0) UJ	--
GROSS BETA	pCi/L	--	ND(4.0)	ND(4.0)	--	ND(4.0)	--	ND(4.0)	--
NITROGEN, AMMONIA	mg/L	ND(0.12)	--	--	ND(0.12)	--	0.16 R	--	ND(0.12)
NITROGEN, NITRATE	mg/L	ND(0.01)	--	--	ND(0.01)	--	ND(0.01)	--	ND(0.01)
PH	std. units	7.2	--	--	7.1	--	7.6	--	6.5
SOLIDS	mg/L	450	--	--	490	--	390	--	710
SULFATE	mg/L	24	--	--	42	--	58	--	60
SUSPENDED SOLIDS	mg/L	710	--	--	72	--	84	--	1800

TABLE I.4

Summary of Groundwater General Chemistry Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		P-10	P-11A	P-12A	P-12A	P-13A	P-14A	P-23C1	P-23C1
Sample I.D.:		GW-SC-002	GW-SC-010	GW-WP-082	GW-SC-041	GW-WP-080	GW-WP-064	GW-WP-028	GW-SC-056
Date Sampled:		04/25/95	04/26/95	06/08/94	10/18/95	06/08/94	06/07/94	06/03/94	10/23/95
		Dupl.							
Parameters	*Units*								
General Chemistry									
ALKALINITY	mg/L	670	590	680	--	2000	720	370	--
CHLORIDE	mg/L	31	200	ND(1.0)	--	800	99	2.8	--
CYANIDE	mg/L	ND(0.005)	ND(0.005)	ND(0.01)	--	ND(0.01)	0.79	ND(0.01)	--
GROSS ALPHA	pCi/L	--	--	--	ND(3.0) UJ	--	--	--	ND(3.0) UJ
GROSS BETA	pCi/L	--	--	--	29	--	--	--	ND(4.0)
NITROGEN, AMMONIA	mg/L	ND(0.12)	0.88	1.4	--	54	0.59	ND(0.12)	--
NITROGEN, NITRATE	mg/L	0.04	1.3	ND(0.01)	--	ND(0.01)	ND(0.05) UJ	ND(0.01)	--
PH	std. units	6.5	6.9	6.7	--	6.4	6.8	7.5 J	--
SOLIDS	mg/L	750	1000	1400	--	420	700	400	--
SULFATE	mg/L	58	78	55	--	ND(125.0)	70	58	--
SUSPENDED SOLIDS	mg/L	1700	320	3100	--	8800	7000 J	150	--

TABLE I.4

Date Printed: January 31, 1996

Summary of Groundwater General Chemistry Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		P-23C2	P-23C2	P-24A	P-24A	P-24C1	P-24C2	P-24C2	P-25A
Sample I.D.:		GW-WP-030	GW-SC-050	GW-WP-046	GW-SC-061	GW-WP-065	GW-WP-063	GW-SC-080	GW-SC-006
Date Sampled:		06/03/94	10/23/95	06/06/94	10/23/95	06/06/94	06/06/94	10/25/95	04/26/95
Parameters	*Units*								
General Chemistry									
ALKALINITY	mg/L	340	--	1000	--	300	270	--	440
CHLORIDE	mg/L	5.2	--	8.8	--	3.2 J	4.6 J	--	6.7
CYANIDE	mg/L	ND(0.01)	--	ND(0.01)	--	ND(0.01)	ND(0.01)	--	ND(0.005)
GROSS ALPHA	pCi/L	--	ND(3.0) UJ	--	3.6 J	--	--	ND(3.0)	--
GROSS BETA	pCi/L	--	ND(4.0)	--	ND(4.0)	--	--	4.1	--
NITROGEN, AMMONIA	mg/L	0.15 R	--	0.12 R	--	0.16 R	ND(0.12)	--	ND(0.12)
NITROGEN, NITRATE	mg/L	0.07	--	ND(0.25)	--	ND(0.01)	0.03	--	0.10
PH	std. units	7.4 J	--	7.4	--	7.3	7.3	--	7.0
SOLIDS	mg/L	ND(10)	--	490	--	370	350	--	850
SULFATE	mg/L	63	--	100	--	65	81	--	280
SUSPENDED SOLIDS	mg/L	320	--	24000	--	25 J	150 J	--	91

TABLE I.4

Summary of Groundwater General Chemistry Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		P-25C2	P-26A	P-26A	P-27A	P-27C1	P-27C1	P-27C2	P-27C2
Sample I.D.:		GW-WP-011	GW-WP-070	GW-SC-003	GW-SC-008	GW-WP-012	GW-SC-076	GW-WP-014	GW-SC-074
Date Sampled:		06/02/94	06/08/94	04/25/95	04/26/95	06/02/94	10/25/95	06/02/94	10/25/95
Parameters	*Units*								
General Chemistry									
ALKALINITY	mg/L	310	--	400	500	320	--	260	--
CHLORIDE	mg/L	4.7	--	26	35	2.5	--	5.0	--
CYANIDE	mg/L	ND(0.01)	0.02	--	ND(0.005)	ND(0.01)	--	ND(0.01)	--
GROSS ALPHA	pCi/L	--	--	--	--	--	ND(3.0)	--	ND(3.0)
GROSS BETA	pCi/L	--	--	--	--	--	ND(4.0)	--	ND(4.0)
NITROGEN, AMMONIA	mg/L	0.15 R	--	ND(0.22) U	ND(0.12)	0.15 R	--	0.15 R	--
NITROGEN, NITRATE	mg/L	0.04	--	0.84	0.90	0.04	--	0.02	--
PH	std. units	7.9 J	--	6.8	7.0	7.5	--	7.4	--
SOLIDS	mg/L	350	--	560	820	360	--	350	--
SULFATE	mg/L	73	--	65	160	60	--	76	--
SUSPENDED SOLIDS	mg/L	120	--	1700	100	380	--	3	--

TABLE I.4

Summary of Groundwater General Chemistry Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		P-28A	P-28A	P-28C1	P-28C1	P-28C2	P-28C2	P-29A	P-29A
Sample I.D.:		GW-WP-114	GW-SC-069	GW-WP-022	GW-SC-082	GW-WP-024	GW-SC-078	GW-WP-021	GW-SC-067
Date Sampled:		06/01/94	10/24/95	06/05/94	10/26/95	06/03/94	10/25/95	06/03/94	10/23/95
Parameters	*Units*								
General Chemistry									
ALKALINITY	mg/L	380 J	--	340 J	--	360 J	--	780	--
CHLORIDE	mg/L	45	--	1.7	--	3.9	--	98	--
CYANIDE	mg/L	ND(0.005)	--	ND(0.01)	--	ND(0.01)	--	ND(0.01)	--
GROSS ALPHA	pCi/L	--	5.5	--	ND(3.0)	--	ND(3.0)	--	4.3 J
GROSS BETA	pCi/L	--	4.3	--	ND(4.0)	--	ND(4.0)	--	ND(4.0)
NITROGEN, AMMONIA	mg/L	0.73	--	ND(0.12)	--	0.26 R	--	ND(0.12)	--
NITROGEN, NITRATE	mg/L	0.04	--	0.09	--	0.02	--	ND(0.01)	--
PH	std. units	7.5	--	7.5	--	7.5 J	--	7.0 J	--
SOLIDS	mg/L	2500	--	360	--	360	--	1100	--
SULFATE	mg/L	120	--	54	--	75	--	170	--
SUSPENDED SOLIDS	mg/L	1700	--	200	--	1800	--	1000	--

TABLE I.4

Summary of Groundwater General Chemistry Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		P-29C2	P-30C1	P-30C2	P-31A	P-31C1	P-31C1	P-31C2	P-31C2
Sample I.D.:		GW-WP-049	GW-WP-045	GW-WP-043	GW-SC-014	GW-WP-067	GW-SC-066	GW-WP-077	GW-SC-068
Date Sampled:		06/05/94	06/05/94	06/05/94	04/27/95	06/07/94	10/24/95	06/08/94	10/25/95
Parameters	*Units*								
General Chemistry									
ALKALINITY	mg/L	330	350	320	600	370	--	370	--
CHLORIDE	mg/L	4.0	3.9	3.5	260	17 J	--	15	--
CYANIDE	mg/L	ND(0.01)	ND(0.01)	ND(0.01) UJ	ND(0.005)	ND(0.01)	--	ND(0.01)	--
GROSS ALPHA	pCi/L	--	--	--	--	--	ND(3.0)	--	ND(3.0)
GROSS BETA	pCi/L	--	--	--	--	--	ND(4.0)	--	ND(4.0)
NITROGEN, AMMONIA	mg/L	0.15 R	ND(0.12)	0.15 R	0.95	ND(0.12)	--	0.17 R	--
NITROGEN, NITRATE	mg/L	0.03	ND(0.01)	ND(0.01)	0.06	0.02	--	0.04	--
PH	std. units	7.3	7.3	7.3	6.8	7.2	--	7.3	--
SOLIDS	mg/L	380	390	360	1300	440	--	450	--
SULFATE	mg/L	70	66	63	330	57	--	58	--
SUSPENDED SOLIDS	mg/L	46	13	7	180	22	--	110	--

TABLE I.4

Summary of Groundwater General Chemistry Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		P-31C3	P-31C4	P-32A	P-32C2	P-33A	P-34*B	P-34*C1	P-34*C1
Sample I.D.:		GW-SC-021	GW-SC-020	GW-SC-009	GW-WP-069	GW-SC-037	GW-WP-062	GW-WP-073	GW-WP-075
Date Sampled:		04/27/95	04/27/95	04/26/95	06/07/94	10/18/95	06/07/94	06/08/94	06/08/94
									Dupl.
Parameters	*Units*								
General Chemistry									
ALKALINITY	mg/L	340	340	480	300	--	430	340	360
CHLORIDE	mg/L	8.8	2.4	60	4.7 J	--	70	4.4	4.4
CYANIDE	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.01)	--	0.59	ND(0.01)	ND(0.01)
GROSS ALPHA	pCi/L	--	--	--	--	3.6 J	--	--	--
GROSS BETA	pCi/L	--	--	--	--	5.7	--	--	--
NITROGEN, AMMONIA	mg/L	ND(0.15) U	ND(0.20) U	ND(0.45) U	0.13 R	--	ND(0.12)	0.15 R	0.15 R
NITROGEN, NITRATE	mg/L	0.21 J	ND(0.01) UJ	0.03	ND(0.01)	--	0.02 J	0.08 J	0.05 J
PH	std. units	7.1	7.2	6.7	7.3	--	7.2	7.4	7.3
SOLIDS	mg/L	390	380	770	380	--	760	440	460
SULFATE	mg/L	58	42	120	71	--	220	60	57
SUSPENDED SOLIDS	mg/L	25	5	1800	11	--	4200 J	42	35

TABLE I.4

Date Printed: January 31, 1996

Summary of Groundwater General Chemistry Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		P-34*C2	RBLK(MW-22)	RBLK(MW-28B)	RBLK(MW-31B)	RBLK(MW-31B)	RBLK(MW-33B)	RBLK(MW-33B)	RBLK(P-1)
Sample I.D.:		GW-WP-071	GW-SC-058	GW-WP-018	GW-WP-050	GW-SC-070	GW-WP-072	GW-SC-087	GW-WP-086
Date Sampled:		06/08/94	10/24/95	06/02/94	06/06/94	10/25/95	06/08/94	10/25/95	06/14/94
Parameters	*Units*								
General Chemistry									
ALKALINITY	mg/L	320	--	2.0	5.20	--	5.2	--	--
CHLORIDE	mg/L	3.9	--	ND(1.0)	ND(1.0)	--	ND(1.0)	--	--
CYANIDE	mg/L	0.86	--	ND(0.01)	ND(0.01)	--	0.79	--	ND(0.01)
GROSS ALPHA	pCi/L	--	ND(3.0)	--	--	ND(3.0)	--	ND(3.0)	--
GROSS BETA	pCi/L	--	ND(4.0)	--	--	ND(4.0)	--	ND(4.0)	--
NITROGEN, AMMONIA	mg/L	0.13 R	--	ND(0.12)	ND(0.12)	--	ND(0.12)	--	--
NITROGEN, NITRATE	mg/L	ND(0.01)	--	0.07	ND(0.01)	--	ND(0.01)	--	--
PH	std. units	7.3	--	5.7	5.5	--	5.7	--	--
SOLIDS	mg/L	400	--	ND(10)	ND(10)	--	37	--	--
SULFATE	mg/L	71	--	ND(5.0)	ND(5.0)	--	ND(5.0)	--	--
SUSPENDED SOLIDS	mg/L	20	--	5	ND(1)	--	ND(1.0)	--	--

TABLE I.4

Summary of Groundwater General Chemistry Analytical Data
Four County Landfill Site
Fulton County, Indiana

Location:		RBLK(P-2B)	RBLK(P-4C1)	RBLK(P-11A)	RBLK(P-24C2)	RBLK(P-28C1)	RBLK(P-29A)
Sample I.D.:		GW-SC-093	GW-WP-002	GW-WP-085	GW-SC-015	GW-SC-084	GW-WP-019
Date Sampled:		10/26/95	06/01/94	06/08/94	04/26/95	10/26/95	06/03/94
Parameters	*Units*						
General Chemistry							
ALKALINITY	mg/L	--	2	5.20	ND(1.0)	--	4.9
CHLORIDE	mg/L	--	ND(1.0)	750	ND(1.0)	--	ND(1.0)
CYANIDE	mg/L	--	ND(0.01)	0.03	ND(0.005)	--	ND(0.01)
GROSS ALPHA	pCi/L	ND(3.0)	--	--	--	ND(3.0)	--
GROSS BETA	pCi/L	ND(4.0)	--	--	--	ND(4.0)	--
NITROGEN, AMMONIA	mg/L	--	ND(0.12)	ND(0.12)	ND(0.12)	--	ND(0.12)
NITROGEN, NITRATE	mg/L	--	ND(0.01)	ND(0.01)	ND(0.01)	--	ND(0.01)
PH	std. units	--	5.9	7.1	6.2	--	5.9
SOLIDS	mg/L	--	ND(10.0)	13	24	--	ND(10)
SULFATE	mg/L	--	ND(5.0)	ND(5.0)	ND(5)	--	ND(5.0)
SUSPENDED SOLIDS	mg/L	--	2	2	ND(1)	--	3

LEGEND

Organic Data Qualifiers

Data Validation Qualifiers

- J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- U( ) - The analyte was analyzed for, but was not detected above the reported sample quantitation limit (in parentheses).
- R - The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.
- N - The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative idenitification".
- NJ - The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
- UJ - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- NS - Not sampled.

Laboratory Qualifiers

- J - Indicates that the compound was analyzed for and determined to be present in the sample. The mass spectrum of the compound meets the identification criteria of the method. The concentration listed is an estimated value, which is less than the specified minimum detection limit but is greater than zero.
- B - This flag is used when the analyte is found in the blanks as well as the sample. It indicates possible sample contamination and warns the data user to use caution when applying the results of this analyte.
- N - Indicates that the compound was analyzed for but not requested as an analyte. Value will not be listed on tabular result sheet.
- S - Estimated due to surrogate outliers.
- A - This flag indicates that a TIC is a suspected aldol condensation product.
- E - Indicates that it exceeds calibration curve range.
- D - This flag identifies all compounds identified in an analysis at a secondary dilution factor.

Inorganic and Indicator Parameter Data Qualifiers

Data Validation Qualifiers

- U( ) - The analyte was analyzed for but was not detected above the level of the associated value in parentheses. The associated value is the Instrument Detection Limit (IDL) for all analytes except Cyanide (CN) and Mercury (Hg). For CN and Hg, the associated value is the Contract Required Detection Limit (CRDL)
- J - The analyte was analyzed for and was positively identified, but the associated numerical value may not be consistent with the amount actually present in the environmental sample.
- R - The analyte was analyzed for, but the presence or absence of the analyte has not been verified. Resampling and reanalyses are necessary to confirm or deny the presence of the analyte.
- UJ - A combination of the "U" and the "J" qualifier. The analyte was analyzed for but was not detected above the level of the associated value. The associated value may not accurately or precisely represent the sample detection limit.
- NS - Not sampled.

Laboratory Qualifiers

- B - The reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but was greater than or equal to the Instrument Detection Limit (IDL).
- E - The reported value is estimated because of the presence of interference.
- M - Duplicate injection precision not met.
- N - Spiked sample recovery not within control limits.
- S - The reported value was determined by the Method of Standard Additions (MSA).
- W - Post-digestion spike for Furnace AA analysis is out of control limits (85-115%), while the sample absorbance is less than 50% of spike absorbance.
- * - Duplicate analysis not within control limits.
- + - Correlation coefficient for the MSA is less than 0.995.

APPENDIX J

HUMAN HEALTH RISK ASSESSMENT

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FIGURE J.3 OFF-SITE SEDIMENT AND SURFACE WATER SAMPLING LOCATIONS

FIGURE J.4 ON-SITE AIR SAMPLING LOCATIONS

J.1.0 HUMAN HEALTH RISK ASSESSMENT

A human health risk assessment is an evaluation of the risks, or potential risks to public health and the environment posed by the site if left unremediated. It provides an assessment of the chemicals of potential concern, potential exposure pathways, potential human receptors, and an analysis of the risk under the site conditions defined by the Remedial Investigation (RI). This Human Health Risk Assessment, together with the previously approved Environmental Evaluation Report, form the Baseline Risk Assessment for Operable Unit 1. The purpose of the Baseline Risk Assessment is to provide the required basis to proceed with the Feasibility Study (FS). The FS will identify the potential remedies which are available if remediation of the site is necessary.

This Human Health Risk Assessment (RA) provides an examination of the potential public health and environmental risks and/or hazards, if any, which could result from the chemicals in environmental media associated with OU1 including: sediment, surface water, air, and source-area groundwater[1] at the Four County Landfill Site (Site). The RA, presented herein, has been performed in accordance with U.S. EPA guidance "Risk Assessment Guidance for Superfund (RAGS), Volume I: Human Health Evaluation Manual (Part A)" [Interim Final, EPA/540/1-89/002, December 1989] and "RAGS Volume II: Environmental Evaluation Manual" [Interim Final, EPA/540/1-89/001, March 1989] and the Indiana Department of Environmental Management's (IDEM's) direction to assess the risk associated with a potential construction worker's exposure to perched water present in Unit A in close proximity to the landfill, in addition to potential risk resulting from the use of Unit B and C groundwater present within the landfill as a source of potable and irrigable water.

An investigation of off-Site groundwater is currently in progress as a component of the OU2 RI. Empirical data will be developed for off-Site groundwater during this investigation and these data will be used to assess the actual risk, if any, associated with exposure to off-Site groundwater.

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1 The term "Source-Area groundwater" refers to all groundwater investigated beneath the Four County Landfill Site including groundwater present below the permanent water table and perched water present in the Unit A glacial till stratigraphic unit.

These risks will be reported in the OU2 Remedial Investigation Report which will be submitted following the completion of the OU2 RI.

The organization of the report follows the suggested outline presented as Exhibit 9-1 of RAGS. This includes the following main sections:

Section 1.0	Introduction
Section 2.0	Contaminant Identification
Section 3.0	Exposure Assessment
Section 4.0	Toxicity Assessment
Section 5.0	Risk Characterization
Section 6.0	References

J.2.0 CONTAMINANT IDENTIFICATION

The identification of chemicals of potential concern (COCs) may use several objective approaches which numerically evaluate the concentrations, frequency of detections and toxicity of the reported chemicals and, by applying selected criteria, identify the primary chemicals of concern in a specific media. This is consistent with U.S. EPA RAGS Volume I, Part A, "Human Health Evaluation Manual".

The primary criteria used to identify Site-specific COCs are:

i) detection frequency/concentration/toxicity criteria; and

ii) background concentration criteria.

The database size for groundwater and for sediment/soil and surface water are significantly different. A large number of groundwater samples were analyzed while a comparatively limited number of sediment and surface water sample were analyzed. For this reason, a different approach was used to identify the COCs in groundwater compared to the approach used to identify COCs in surface water and sediment samples. All analytical data used to identify COCs and evaluate risk were acquired during the OU1 RI.

J.2.1 GROUNDWATER COCS

The groundwater under the Site is divided into three identifiable units, namely, Units A, B, and C. Unit A, the uppermost water-bearing unit, is a relatively impermeable glacial till unit which intermittently contains perched water in isolated areas and does not have adequate capacity to supply potable water. This was demonstrated during on-Site groundwater sampling activities conducted during the RI when several Unit A wells were dry and at many locations where perched water was found to occur, the volume of water available from Unit A was very limited. Therefore, limited productivity further prevents Unit A from being a potable water resource. Moreover, Unit A material is aesthetically poor

from a general water quality perspective and is, therefore, not a good potable water candidate. Units B and C have a considerable amount of interconnection and were evaluated as a single unit.

Due to the lack of background groundwater data and a sample set of under 20 samples, all chemicals detected in Unit A perched water samples were identified as COCs.

To identify the organic and inorganic COCs in groundwater in Units B and C, all chemicals reported in at least 5 percent of the total number of samples analyzed were evaluated as COCs, regardless of the concentration reported.

Exposure to the metallic elements which are essential human nutrients (calcium, potassium, magnesium, sodium, and iron) were not evaluated in groundwater in this risk assessment. Aluminum, which is a major element in all surface soils and rock, is generally found as a natural component of groundwater and does not have a published toxicity factor, thus, was not evaluated in groundwater in this risk assessment. The remainder of the metallic elements were selected as COCs and were evaluated in this risk assessment.

J.2.1.1 Chemical Constituent Distribution in Groundwater

On Site - General

To evaluate potential future impact of the chemical constituents in on-Site groundwater from Units B and C, groundwater concentrations were determined based on results from unfiltered RI groundwater samples from on-Site wells. These wells are identified on Figure J.1 and in Table J.1 and the data are tabulated in Table J.2. The evaluation and identification of COCs is summarized in Table J.3.

Current

For the hypothetical exposure to perched water in Unit A, as requested by IDEM, an evaluation of the perched water data collected during the RI were evaluated as a group. These wells are identified on Figure J.1 and in Table J.1 and data are tabulated in Table J.4. The evaluation and identification of COCs for Unit A water is summarized in Table J.5.

The concentration term for estimating potential current exposure to groundwater in Units B and C was based on the samples from wells determined to be on the downgradient perimeter of the Site in these units. These wells are identified in Table J.1.

These locations for perimeter wells in Units B and C are shown on Figure J.1 and listed in Table J.1. The data on these wells are tabulated in Table J.6. The evaluation and identification of COCs is summarized in Table J.7.

J.2.2 SURFACE WATER AND SEDIMENT COCS

Because of the far fewer samples available for evaluation, the following approach was used to identify the COCs in surface water and sediments.

In surface water and sediments, all chemicals reported in at least one sample, in each media, were included in the preliminary evaluation. Chemicals were qualified on the basis of either their carcinogenic or non-carcinogenic scores. Those chemicals that contributed one (1) percent or greater to the total score for either carcinogens or non-carcinogens met the toxicity criteria. Chemicals with relatively low carcinogenic or non-carcinogenic scores were excluded from the risk assessment, as their contribution to the total health risk from the Site is expected to be low. Therefore, the COCs identified represented those chemicals that pose the highest potential risk and account for the vast majority of the total risk.

For surface water and sediments, the detection frequency/concentration/toxicity score for a suspect carcinogen was calculated using the following equation:

where:

DF = detection frequency which is the number of detections per total number of samples.

C = maximum concentration reported in non-background samples of the media evaluated.

CSF = Cancer Slope Factor which is an estimate of the cancer producing potency of a chemical and is modeled based on the data from experimental and epidemiological data which show carcinogenic effects of specific chemicals.

For surface water and sediments, the detection frequency/concentration/toxicity score for the non-carcinogenic effects of a chemical was calculated using the following equation:

where:

DF = detection frequency which is the number of detections per total number of samples.

C = maximum concentration reported in non-background samples of the media evaluated.

RfD = Reference Dose or the dose that is believed to not produce adverse effects even after long-term exposure.

Note that the inclusion of the chemical-specific detection frequencies in the carcinogenic or non-carcinogenic scores addresses the prevalence of the chemical in the media of interest. Therefore, if a chemical is detected in only a few samples at low concentrations, the chemical is less

apt to be identified as a COC. Chemicals that have high toxicity and high concentrations in only a few samples will still be evaluated because of high scores.

To be identified as a COC in sediment, a chemical had to be reported as present in at least one sample of the media being evaluated at a concentration greater than twice the concentration reported in the Site-related background samples for the same media (consistent with selection procedures identified in the U.S. EPA 1989b). The mean concentrations reported were evaluated against mean concentrations in the Site-related background samples. The U.S. EPA has stated that it prefers a more rigorous statistical approach in evaluating COCs for on-Site sediment. However, since the remedy for OU1 will consist of capping of the Landfill, IDEM and the U.S. EPA agreed that the COC selection criteria for on-Site sediment is adequate for to select a capping option for the Site.

The distribution of constituents in sediment and surface water are discussed in the following subsections.

J.2.2.1 Sediment COCs

On Site

Sediment samples from the northeast drainage control basin (northeast pond) and southwest retention pond (southwest pond) on Site were collected during the RI. The northeast pond was evaluated based on sediment data collected from the following sampling locations: S-1, S-2, S-3, S-4, S-5, S-6 and S-7 (Figure J.2). The southwest pond was evaluated based on sediment data collected from sampling location S-8. Table J.8 presents the on-Site sediment data from the northeast and southwest ponds.

Background locations S-15 and S-16, located upslope of the Site in the surface water run-on area, represents sediment quality upgradient of the Site (Figure J.2). Based on past activities of the Site, the chemical concentrations reported at sampling locations S-15 and S-16 are unimpacted by Site activities and are, therefore, representative of background conditions.

Following the COC selection procedure described above, the inorganic COCs identified for the on-Site sediments were beryllium and nickel. The COCs identified for the on-Site sediments are summarized in Table J.9.

Off Site

Off-Site sediment samples were collected during the RI. The impact of potential Site releases to the north of the Site (North Sector) was evaluated based on the results obtained at the following sampling locations: S-9, S-10, S-11 and S-20 (Figure J.3). The impact of potential Site releases to the east of the Site (East Sector) was evaluated based on the following sampling locations: S-12, S-13 and S-14 (Figure J.3). The impact of potential Site releases to the west of the Site (West Sector) was evaluated based on sampling locations S-17, S-18 and S-19. Table J.10 presents the off-Site sediment data from the North, East and West Sectors. Background locations S-15 and S-16 represent sediment quality upgradient of the Site.

Following the COC selection procedure described above, the inorganic COCs identified for the off-Site sediments were antimony and beryllium. The COCs identified for the off-Site sediments are summarized in Table J.11.

J.2.2.2 Surface Water COCs

On Site

Surface water samples from the northeast and southwest ponds on Site were collected during the RI. The northeast pond was evaluated based on surface water data collected from the following sampling locations: S-1, S-2, S-3, S-4, S-5, S-6 and S-7 (Figure J.2). Surface water was not available from the S-7 location during the RI. The southwest pond was evaluated based on surface water data collected from sampling location S-8 (Figure J.2). Table J.12 presents the on-Site surface water data from the Northeast and Southwest ponds.

Background location S-15, located south of the Site, represents surface water quality upgradient of the Site (Figure J.3). Based on past activities of the Site, the chemical concentrations reported at sampling location S-15 are unimpacted by Site activities and are, therefore, representative of background conditions. Surface water was not available from the S-16 background location during the RI.

Following the COC selection procedure described above, there were no COCs identified for the on-Site surface water (refer to Table J.13). Therefore, on-Site surface water will not be further evaluated in this RA.

Off Site

Off-Site surface water samples were collected during the RI. The impact of potential Site releases to the North Sector was evaluated based on the following sampling locations: S-9, S-10, S-11 and S-20 (Figure J.3). The impact of potential Site releases to the East Sector was evaluated based on sampling locations: S-12, S-13 and S-14 (Figure J.3). The impact of potential Site releases to the West Sector was evaluated based on sampling locations: S-17, S-18 and S-19. During the RI, surface water was only available at off-Site locations S-10, S-11, S-15 and S-20. Table J.14 presents the off-Site surface water data from the North Sector.

Background location S-15, located on the southwest corner of the Site boundary, represents surface water quality upgradient of the Site. Based on past activities of the Site, the chemical concentrations reported at sampling location S-15 are unimpacted by Site activities and are, therefore, representative of background conditions.

Following the COC selection procedure described above, there were no COCs identified for the off-Site surface water (refer to Table J.15). Therefore, off-Site surface water will not be further evaluated in this RA.

J.2.2.3 Air COCs

On-Site air quality was evaluated during the RI. Whole air samples were collected near potential emission sources as well as upwind and downwind perimeter locations (Figure J.4). COCs evaluated in air included all chemicals [volatile organic compounds (VOCs)] detected in collected air samples (Tables J.16 and J.17).

J.2.3 LEACHATE

Leachate is routinely collected from landfill sumps during normal Site Operation and Maintenance (O&M) activities and will likely continue during, and following the completion of, remedial activities. The leachate is handled by workers during its removal from the sumps and storage tanks staged at the sumps, transfer from storage tanks to the holding tanks in the maintenance building and during transfer to tanker trucks for off-Site disposal. These types of worker activities fall within the definition of "remedial activity patterns". Although there may be substantial short-term hazards associated with the handling of this leachate, these hazards would be minimized by following the appropriate procedures outlined in the Site Health and Safety Plan (HASP) and OSHA regulations for this activity. The risk and hazard assessment provided in this Risk Assessment is intended to encompass the designated land use and is not intended to assess "remedial activity patterns" which may involve greater exposure due to frequency or other potential pathways. For this reason, leachate exposure to on-Site workers will not be examined further in this risk assessment.

J.2.4 SUMMARY OF COCS

The COCs evaluated in each media are listed below:

Groundwater			Sediments	Air
Current		***Future***		
Unit A	***Unit B and C***	***Unit B and C***		
VOCs Acetone Benzene 2-Butanone Carbon tetrachloride Chloroethane Chloroform Dichloromethane 1,1-Dichloroethane 1,2-Dichloroethane 4-Methyl-2-pentanone 1,1,2,2-Tetrachloroethene ***VOCs (continued)*** 1,1,2-Trichloroethane Tetrachloroethene Toluene Trichloroethene	***VOCs*** Dichloromethane 1,2-Dichloroethane Vinyl Chloride	***VOCs*** Benzene Chloroform 1,2-Dichloroethane Dichloromethane Trichloroethene Vinyl Chloride		***VOCs*** Acetone 1,1-Dichloroethene
SVOCs 4-Methylphenol Nitrobenzene Phenol				
Metals Arsenic Antimony Barium Beryllium Cadmium Chromium Cobalt Copper Lead Manganese Mercury Nickel Selenium Silver Vanadium Zinc	***Metals*** Arsenic Barium Chromium Cobalt Copper Lead Manganese Nickel Vanadium Zinc	***Metals*** Arsenic Barium Beryllium Cadmium Cobalt Copper Chromium Lead Manganese Mercury Nickel Silver Thallium Vanadium Zinc	***Metals*** Antimony Berylium Nickel	

J.3.0 EXPOSURE ASSESSMENT

J.3.1 GENERAL

Step 1 of the U.S. EPA RA process, as described in RAGS, requires the characterization of the exposure setting. This step includes an evaluation of the physical setting and potentially exposed populations.

The physical setting of the Site is discussed in Section 2.0 of this report. The consideration of Site-specific factors relating to land usage are important in the development of realistic exposure scenarios and quantification of risks. The current and potential future land uses which are reasonably expected for the Site and its environs determine the potentially exposed populations. The land uses are discussed in the following subsections.

J.3.2 LAND USE

The Site is situated in a rural, sparsely populated area consisting of a mixture of agricultural land and woodlands. Upland areas generally exhibit a hummocky topography with numerous marshy depressions and steep-walled troughs. Numerous marshy areas underlain by peat and marl occur in depressional areas. Natural elevations in the immediate areas surrounding the Site range from about 730 to 795 feet AMSL. The Site is secured by a 6-foot high chain link fence topped with three-strand barbed wire around the entire perimeter, with a single locked gate on the west side near the northwest corner which controls access.

The area to the west of the Site is open and used for agricultural purposes, and properties to the north, south, and east are wooded and sparsely populated, with residents situated on scattered, small farms. The primarily white, middle class population is involved in agricultural activities, with no notable distributions by age or gender. Land use consists of small farm and dairy operations. Groundwater is the primary source of

potable water for the residents (Agency for Toxic Substances and Disease Registry, 1990).

During a U. S. Geological Survey (USGS) biota study conducted in January 1988, 64 residences and one church were noted on the land within 0.5 mile of the Site. Forty-five of these residences were occupied, and the other 19 appeared to be cottages used only during the summer months (GRA, CAP Task I, 1989). A plat survey and listing of owners of property adjacent to the Four County Landfill is presented in the CAP Task I report. According to this document, the property immediately north, south, and east of the Site has been separated into many small plats that were never developed.

Potential future land uses in the vicinity of the Site would most likely consist of one or more of the following: open space, agricultural, residential (either seasonal or permanent) and small commercial developments (particularly near State Highway 14). Currently, zoning ordinances which may serve to restrict certain land uses do not exist in Fulton County. However, socioeconomic factors would serve to limit the intensity of any particular use in the vicinity of the Site. For example, the area surrounding the Site is not likely to attract a large permanent residential population due to its relatively remote location and lack of significant industrial development with a large number of jobs. Moreover, the area lacks a sufficient number of major arterial thoroughfares for traffic and a large permanent population which may attract significant industrial development to the area.

Current land use on Site is limited to on-Site maintenance and/or remedial activities, associated with the Landfill. The Agreed Order for an RI/FS requires that O&M activities be performed during the RI/FS. The Agreed Order also specified the development of a Site O&M Plan including a Site-specific Health and Safety Plan (HASP) which addresses ongoing O&M tasks. The O&M Plan and the Site-Specific HASP were reviewed and approved by IDEM and are currently in effect at the Site (IDEM had supervised Site O&M activities prior to the execution of the Agreed Order). An experienced environmental contractor has been hired to perform the O&M work and the personnel performing the Site O&M tasks meet the

training requirements specified under 29 CFR 1910.120 with respect to hazardous waste site workers. Therefore, the risks associated with non-trained personnel performing Site O&M activities were not evaluated in this risk assessment.

Individuals not associated with Site activities could access the Landfill if they circumvent the existing 6-foot high barbed-wire topped Site security fence and Site O&M personnel and trespass on the property.

The Group is aggressively pursuing the acquisition of Site deed restrictions that will restrict any future land development other than a closed landfill. These deed restrictions will prevent any potential for installation of potable water and/or irrigation supply wells.

J.3.3 EXPOSURE PATHWAYS

Step 2 of U.S. EPA RAGS requires the identification of exposure pathways. Complete exposure pathways are identified to consist of four elements:

1. a source and mechanism of chemical release;
2. a retention or transport medium;
3. a point of potential human contact with the contaminated medium; and
4. an exposure route of human contact at the contact point.

Site investigations to date have identified the presence of COCs in the following media:

i) Groundwater

ii) Sediments - (on and off Site); and

iii) Air - (on Site).

The following media and potential human exposures (i.e., completed pathways) have been identified for the Site:

(1) Groundwater:

- Ingestion - drinking water - off-Site residents;
- Dermal contact - off-Site residents;
- Inhalation of volatiles - off-Site residents;
- Ingestion - home grown fruits and vegetables - off-Site resident;
- Ingestion - incidental pooled water - on-Site construction worker;
- Dermal contact - on-Site construction worker; and
- Inhalation of volatiles - on-Site construction worker.

(2) Sediments - on and off Site:

- Dermal contact by workers, occasional visitors or off-Site residents; and
- Incidental ingestion of sediments by workers, occasional visitors or off-Site residents.

(3) Air:

- Potential inhalation of volatiles by on-Site workers, and adults and children residing immediately adjacent to the perimeter of the Site.

Tracking of chemicals at the Site could be caused by vehicular traffic or personnel moving through the Site. However, access to the Site is entirely restricted by a 6-foot security fencing topped with three-strand barbed wire, thus controlling all movements to and from the Site. Inadvertent tracking of contaminants is considered minimal and is not included as an exposure pathway.

Descriptions of each of these potential exposure pathways are presented in the following subsections.

J.3.3.1 Groundwater

Potential future exposures to any wells constructed on Site cannot occur once deed restrictions are acquired by the Four County Landfill Group.

Potential current or future exposure to chemical constituents in on-Site perched water could occur if the Unit A is breached due to construction activities. As stated earlier, Unit A is not considered to be a potable water resource due to limited productivity[2] and poor aesthetic qualities.

Potential exposure of a construction worker to on-Site perched water would include incidental ingestion, inhalation, and dermal contact with chemicals while digging or trenching into the ground that results in the Unit A being breached.

Potential current or future exposure to chemical constituents in Unit B and C groundwater could occur if the COCs have migrated or will migrate to an area and a residential well is placed in this area.

Potential exposure of a resident to on-Site groundwater may include drinking water, dermal contact while bathing and inhalation of volatilized chemicals while bathing. Other sources of chemical vapors from tap water exist in the home (laundry, dishwashing and cleaning) but the exposure in the shower or bath is assumed to be the reasonable maximum exposure. Potential exposure could also result from the ingestion of homegrown fruits and vegetables irrigated by contaminated groundwater. Evaluation of risk for on-Site groundwater consumption is a very

[2] During sampling activities conducted during the RI, many monitoring wells screened within Unit A did not contain a sufficient volume of water for sampling. Moreover, a number of wells did not produce a sufficient volume of water to complete sampling activities.

conservative approach since future residential or industrial uses of the Site are not reasonable future land-use assumptions for a closed landfill site. A future Record of Decision (ROD) written for the Site will specify that appropriate deed and access restrictions be put in place and future use of the Site would be limited to a closed landfill setting. IDEM has confirmed that any future ROD will require deed restrictions and institutional controls which will prevent future on-Site groundwater consumption.

The evaluation for Unit A assessed the entire RI sample data set for Unit A as a group. The concentration term used to evaluate groundwater vapor was modeled from groundwater concentrations (see Section 3.4.2).

The concentration term used to evaluate the potential current exposure to Units B and C was determined from the downgradient perimeter wells. Since there are no current data for off-Site wells in Units B and C, the concentration at the property line was selected as most closely estimating the maximum concentration that may presently exist in Units B and C just within the Site property boundary. However, for the potential future groundwater exposure from Units B and C, it is assumed that on-Site contaminants are undiluted and that on-Site concentrations migrate to the property boundary. The entire on-Site groundwater data set for Units B and C is used to estimate the concentration in this hypothetical plume.

J.3.3.2 Sediments

For sediment, potential current and future on-Site exposure scenarios include dermal contact to and ingestion of affected sediments by workers, occasional visitors and trespassers. This exposure is expected to occur infrequently to visitors or trespassers who may be traversing the environs of the Site. Since persons involved would only walk in the areas of concern and would be wearing shoes/boots and associated clothing, this exposure pathway reflects exposure patterns that demonstrate only occasional and minimal exposure via dermal and incidental ingestion exposure to the sediments in the areas.

Potential future exposure on Site by these same populations will likely continue to occur in a similar manner. If the Site environs do not develop significantly, no significant change is expected in the future exposure for these populations. In the future, in the event that a residence is constructed off Site, in the near vicinity of the Site, a potential future exposure may include exposures of these nearby residents.

J.3.3.3 Air

As stated previously, air quality was tested during the RI. The air pathway was evaluated using data from interior and perimeter monitoring stations on Site. The RA addresses the inhalation exposure of residents, including children and adults, assuming they reside in a home at the nearest property boundary downwind from the potential air emissions sources. In the future, this could include a new residence on the western sector of the Site.

J.3.3.4 Summary of Exposure Pathways

For both current and future conditions, the exposure scenarios which are evaluated in this RA are summarized as follows:

Media of Concern	*Current Exposure Pathway*	*Future Exposure Pathway*	*Exposed Populations*
1. Groundwater	ingestion water ingestion fruits/ vegetables dermal contact inhalation	ingestion water ingestion fruits/ vegetables dermal contact inhalation	Nearby Residents Construction Worker
2. Sediments, on-Site	dermal contact ingestion	dermal contact ingestion	Trespassers Workers
3. Sediments, off-Site	dermal contact ingestion	dermal contact ingestion	Nearby Residents, Hikers/Hunters
4. Air	inhalation of volatiles	inhalation of volatiles	Workers Nearby Residents

For groundwater from Unit A perched water, exposure is estimated for a construction worker.

For Units B and C, current exposure is estimated for a resident with a potable water well near the downgradient perimeter of the Site. This assumes that future exposure to groundwater could involve migration of chemicals in groundwater from central areas of the Site.

For future conditions, in the event of construction of a residence in close proximity (directly adjacent) to the Site, there would be potential exposure of these residents to the groundwater if a production well serving the residence was accidentally installed just inside the property boundary and site security fence and deed restrictions were ignored.

For current on-Site conditions, the populations exposed to sediments would be limited to workers, visitors and trespassers. For current off-Site conditions, the populations exposed to sediments would be occasional visitors such as hunters or hikers.

For future conditions off Site, in the event of construction of a residence, there would be potential exposure of these residents to the sediments off Site.

For current and future conditions, the populations exposed to air would be workers, visitors, trespassers and residents living downwind from potential emission sources on Site.

J.3.4 EXPOSURE POINT CONCENTRATIONS

To quantify exposures, potential exposure scenarios were developed using guidance presented in U.S. EPA documents entitled: "Risk Assessment Guidance for Superfund", [(RAGS) Interim Final, EPA/540/1-89/002, December 1989]; RAGS Supplemental Guidance, "Standard Default Exposure Factors" [OSWER Directive 9285.6-03, March 25, 1991]; "Exposure Factors Handbook", [EPA/600/8-89/043, 1995]; and "Superfund

Exposure Assessment Manual", [EPA/540/1-88/001, April 1988]. In some instances, where the U.S. EPA documents did not present necessary assumptions or where more appropriate scientific data was available, professional judgment was applied to develop conservative assumptions which are representative of the reasonable maximum exposure (RME) and are protective of health.

Two levels of assumptions are presented. Mean assumptions present the average or mean value for the assumptions and approximate the more probable exposure conditions. RME presents conservative assumptions which approximate the reasonable maximum values and utilize the 90th to 95th percentile assumptions, depending upon the available data. For example, occupancy of the same residence at one location for 9 years is considered to represent the average length of time that an individual would reside at one location (Mean or most likely assumption). The 90th percentile value for length of occupancy of the same residence is 30 years (RME or reasonable maximum exposure assumption).

The exposure point concentrations were calculated in a manner consistent with U.S. EPA RAGS. The arithmetic mean of all results from the specific medium of concern were used as the estimated exposure point concentration for the potentially exposed populations under Mean assumptions. To calculate the arithmetic mean concentrations, positive detections were used along with non-detects which were assumed to be equal to one-half the detection limit. The 95 percent upper confidence limit of the arithmetic mean (95% UCL) concentration was used as the exposure point concentration for RME. Due to variability within the data points, the 95% UCL concentration may exceed the maximum concentration detected. In these cases, the maximum concentration was used as the exposure point concentration for RME. This approach is consistent with the RAGS and is regarded as a conservative approach.

J.3.4.1 Unit A Groundwater

Table J.18 summarizes the mean and the 95% UCL concentrations for perched groundwater in Unit A.

J.3.4.2 Unit A Vapor

Estimated Emission Rates

The potential emission rates of volatile organic compounds (VOCs) from a pool of exposed Unit A perched water were estimated using Shen's lagoon emission model. Shen's model is a screening-level diffusion model applicable for dilute aqueous solutions of contaminants and is described in the U.S. EPA document "Air/Superfund National Technical Guidance Study Series, Volume I".

The estimated emissions from a standing water pool present in a trench were estimated based on the following assumptions:

- water pool surface area = 25 m^2 (170 ft^2);
- water pool temperature = 10°C (50°F);
- water pool depth = 1 m (3.3 ft);
- water pool surface wind velocity = 0.035 cm/s (0.7 ft/min); and
- water pool VOC concentrations from site sampling data - mean and reasonable maximum exposure (RME) concentrations.

Tables J.19A and J.19B summarize the estimated VOC emission rates based on mean and RME VOC concentrations respectively.

Estimated Exposure Concentrations

The estimated mean and RME VOC emission rates in Tables J.19A and J.19B were used as input in a screening dispersion model SCREEN2 to estimate the potential mean and RME VOC concentrations near the surface of the pool.

The water pool was modeled as a 25 m^2 area source. A dispersion factor of 16,280 $ug.s/m^3 \cdot g$ was calculated for the predicted maximum exposure. This dispersion factor was multiplied by the estimated

VOC emission rates to calculate the estimated maximum mean and RME exposure concentrations as summarized in Tables J.20A and J.20B.

The estimated exposure concentrations derived from this model can be considered conservative due to the fact that it is unlikely that such a large trenching area will be exposed and pooled with water from Unit A. It is much more likely that smaller area trenches will be dug that result in lower contaminant emission rates. It is also important to realize that any worker in such a scenario would normally be equipped with proper personal protective clothing and equipment, which would further reduce exposure to contaminants.

Table J.21 summarizes the mean and the 95% UCL concentrations for water vapor in Unit A.

J.3.4.3 Units B and C Groundwater

Tables J.22 and J.23 summarize the arithmetic mean and the 95% UCL concentrations for groundwater on Site/Future (total) and on Site/Current (downgradient perimeter) in Units B and C, respectively. These concentrations are evaluated by assuming they migrate without attenuation or dilution, to the location of a residential well which may be developed just within the property boundary. This represents a very conservative assumption which will tend to overestimate potential Site risk.

The U.S. EPA has expressed a preference for using the maximum concentrations of constituents from a few on-Site groundwater monitoring wells rather than a 95% UCL, since, in U.S. EPA's opinion, the 95% UCL may underestimate risk under certain circumstances. However, evaluation of risk for on-Site groundwater consumption is a very conservative approach since future residential or industrial uses of the Site are not reasonable future land-use assumptions for a closed landfill site. A future Record of Decision (ROD) written for the Site will specify that appropriate deed and access restrictions be put in place and future use of the Site would be limited to a closed landfill setting. Therefore, future on-Site exposure to groundwater would not occur.

J.3.4.4 Sediments

Tables J.24 and J.25 summarize the arithmetic mean, the maximum detections and the 95% UCL concentrations for sediment samples collected on Site and off Site, respectively. Due to the limited number and variability of data points, the 95% UCL concentrations may be biased high and thus, may not be representative of Site levels. The arithmetic mean and the 95% UCL concentrations for the northeast pond and off-Site North, East and West Sectors were utilized for Levels 1 and 2 exposure scenarios. The results for the single sample analyzed was used to evaluate sediment from the southwest pond.

J.3.4.5 Air

The air pathway was evaluated using reported air concentrations at air monitoring stations located on Site. This is a conservative approach for evaluating off-Site conditions because air concentrations at any downwind location would be diminished due to dispersion. Table J.26 summarizes the arithmetic mean, the maximum and the 95% UCL concentrations for on-Site air.

J.3.5 ESTIMATION OF INTAKE

J.3.5.1 Generic Estimation of Intake

In this assessment, exposure is adjusted for time and body weight. Exposure adjusted for time and body weight is termed "intake". Equation 1 presents a generic equation for calculating chemical intake (U.S. EPA, 1989).

$$I = \frac{C \times CR \times EF \times ED \times ET}{BW \times AT} \qquad (1)$$

where:

I = Chemical intake (mg/kg body weight/day)
C = Chemical concentration (e.g., mg/kg for soil)
CR = Contact rate (e.g. ingest 100 mg/day)
ET = Exposure time (e.g., number of hours/event)
EF = Exposure frequency (events/year)
ED = Exposure duration (number of years)
BW = Body weight (kg)
AT = Averaging time (period over which exposure is averaged - days)

Carcinogens

A lifetime average intake (or chronic daily intake) of the chemical is estimated for carcinogens. This prorates the total cumulative intake over a lifetime. An averaging time (AT) of 70 years is used for carcinogens.

Noncarcinogens

The chemical intake of noncarcinogens is estimated over the appropriate exposure period or averaging time. The averaging time selected depends on the exposure duration. The calculation determines the average daily intake for the exposure duration.

J.3.5.2 Exposure Intake for Groundwater

Unit A is of poor quality and does not contain usable quantities of water and is perched water which occurs intermittently (many of the on-Site monitoring wells completed in Unit A were observed to be dry). Therefore, there is no potential exposure to this water on Site as a drinking water resource. However, at the request of IDEM, this perched water was evaluated for a scenario where a construction worker that has accidentally breached Unit A during construction activities. Units B and C are potential potable water source for residential and commercial wells off Site. To evaluate potential exposure to groundwater in Units B and C, it is assumed that the groundwater in Units B and C beneath the Site, or at the

downgradient perimeter, potentially migrates to a receptor area downgradient of the Site, that the chemical concentrations in groundwater beneath the Site do not attenuate during potential migration, and that off-Site receptors, adults and children, are exposed to chemical concentrations present in Units B and C beneath the Site. This maintains a very conservative approach. This exposure scenario is unlikely since it is the equivalent of installing a well in the center of the Site (Future) or within the downgradient fence line (current) and the use of groundwater from these wells by the receptors as potable water. Nevertheless, this exposure route was evaluated at the request of IDEM.

J.3.5.2.1 Construction Worker Exposure

There are two equations for calculating chemical intake from a construction worker's potential exposure to groundwater. The first is an equation to calculate potential incidental ingestion and dermal contact chemical intake, and the second is an equation to calculate potential inhalation chemical intake.

a) Incidental Ingestion and Dermal Contact of Groundwater

$$I = \frac{CW \times SA \times PC \times CF \times ET \times EF \times ED}{BW \times AT} + \frac{CW \times IR \times EF \times ET \times ED}{BW \times AT}$$

where:

I	=	Chemical Intake (mg/kg body weight/day)
CW	=	Chemical Concentration in Water (mg/liter)
IR	=	Ingestion Rate (liters/day)
SA	=	Skin Surface Area Available for Contact (cm^2/event)
PC	=	Permeability Constant (cm/hour)
CF	=	Conversion Factor (1 liter/1000 cm^3 = 0.001)
ET	=	Exposure Time (hours/day)
EF	=	Exposure Frequency (days/year)
ED	=	Exposure Duration (years)
BW	=	Body Weight (kg)
AT	=	Averaging Time (Period over which exposure is averaged - days)

The specific assumptions used in this equation are discussed below and summarized in Tables J.36 to J.39.

The scenario for the potential ingestion and dermal contact of groundwater by a construction worker includes the following conservative assumptions:

i) exposure point concentrations are the average (Mean) and the 95% UCL of the mean concentrations (RME) for samples collected from the perimeter wells in Unit A on the west side (specific wells evaluated are identified in Table J.1);

ii) ingestion rates are:
Adults = 0.01 L/hour (Mean) and 0.02 L/hour (RME);

iii) surface area exposed to groundwater contact is 4750 cm^2 (Mean) which assumes areas exposed are hands, lower arms, and lower legs, the RME value is 6350 cm^2 which assumes hands, lower and upper arms, lower legs, and face are exposed;

iv) permeability constant of a water-soluble chemical through the skin is 0.0008 cm/hour;

v) the worker is exposed for 8 hours a day;

vi) the exposure frequency is 5 days per year (Mean) and 15 days per year (RME) (this allows for digging or trenching activities);

vii) the exposure duration is 1 year (Mean and RME) (this duration accounts for the activity taking place during a 1-year period);

viii) the average weight is:

Adult - 70 kg; and

ix) averaging time:

Carcinogen - for average daily intake during a lifetime - 25,550 days.

Non-carcinogen - for average daily intake during the exposure duration - ED * 365 days/year.

The exposure scenario details and risk calculation tables for current exposure to Unit A water are presented in Tables J.36 and J.39.

b) <u>Inhalation of Vapor</u>

$$I = \frac{CA \times IR \times ET \times EF \times ED}{AT \times BW}$$

where:

I = Chemical Intake (mg/kg body weight/day)
CA = Chemical Concentration in Air (mg/m^3)
IR = Inhalation Rate (m^3/hour)
ET = Exposure Time (hours/day)
EF = Exposure Frequency (days/year)
ED = Exposure Duration (years)
BW = Body Weight (kg)
AT = Averaging Time (Period over which exposure is averaged - days)

The specific assumptions used in this equation are discussed below.

The scenario for the inhalation of groundwater vapor includes the following conservative assumptions:

i) exposure point concentrations are the average (Mean) and the 95% UCL of the mean concentrations (RME) for samples collected from the perimeter wells in Unit A on the west side (specific wells evaluated are identified in Table J.1);

ii) inhalation rates are:
Adults = 2.5 m^3/hour (Mean) (RME);

iii) the worker is exposed for 8 hours a day;

iv) the exposure frequency is 5 days per year (Mean), and 15 days per year (RME) (this allows for digging or trenching activities);

v) the exposure duration is 1 year for adults (Mean and RME) (this duration accounts for the activity taking place during a 1 year period);

vi) the average weight is:
Adult - 70 kg; and

vii) averaging time:

Carcinogen	-	for average daily intake during a lifetime - 25,550 days.
Non-carcinogen	-	for average daily intake during the exposure duration - ED * 365 days/year.

The exposure scenario details and risk calculation tables for current exposure to Unit A water vapor inhalation are presented in Tables J.40 to J.43.

J.3.5.2.2 Residential Exposure

The equation for calculating chemical intake from residential use of groundwater in Units B and C is as follows:

$$I = \frac{CW \times IR \times EF \times ED}{BW \times AT} \times BSF$$

where:

I	=	Chemical Intake (mg/kg body weight/day)
CW	=	Chemical Concentration in Water (mg/liter)
IR	=	Ingestion Rate (liters/day)
EF	=	Exposure Frequency (days/year)
ED	=	Exposure Duration (years)
BW	=	Body Weight (kg)
AT	=	Averaging Time (Period over which exposure is averaged - days)
BSF	=	Bath/Shower Factor (accounts for shower or bath exposure)

The specific assumptions used in this equation to estimate potential exposure from residential use of groundwater are discussed below.

a) Ingestion of Drinking Water

The scenario for the consumption of groundwater assumes the residential use of Unit B and C groundwater without attenuation of the concentrations, and includes the following conservative assumptions:

i) Exposure point concentrations are the average (Mean) and the 95% UCL of the mean concentrations (RME) for samples collected from all wells Units B and C on Site (future) or downgradient perimeter wells

in Units B and C (current). Specific wells evaluated are identified in Table J.1.

ii) Ingestion rates are:

Young child = 1 L/day (Mean and RME), and

Adults = 1.4 L/day (Mean) and 2 L/day (RME).

iii) The exposure frequency is 350 days per year for both child and adult (this allows for 15 days spent away from home).

iv) The exposure duration is 5 years for child (Mean and RME) and 5 and 25 years for adults (Mean and RME, respectively). The durations for child and adult are additive to account for 9- and 30-year residency (Mean and RME) at a single dwelling.

v) The average weight is:

Child - 16 kg

Adult - 70 kg.

vi) Averaging time is as follows:

Carcinogen - for average daily intake during a lifetime - 25,550 days.

Non-carcinogen - for average daily intake during child's exposure year - ED(child) * 365 days.

b) <u>Showering/Bathing</u>

A bath and shower factor is included in the residential water use scenario to account for the bathing exposure. Because of the

uncertainties related to existing models used for estimating potential exposures related to showering or bathing, the potential exposure and resulting exposure risk from bathing will be assumed to be 100 percent (Mean) (RME), for volatile chemicals, and 50 percent (Mean) (RME), for semi-volatile chemicals, of the exposure from ingestion by drinking the water. This is consistent with the conclusions published by John C. Little[3] where he states: "The inhalation in the shower stall for the most volatile compounds is equivalent to approximately 1.5 times that incurred through ingestion of 2 L of the same water". The factors used are believed to represent conservative approach and accounts for the most volatile organic chemicals, and the semi-volatile organics where exposure may be predominantly by the dermal route. Inorganic chemicals are for the most part non-volatile and in general are not expected to be absorbed at a measurable level from bath water.

The exposure scenario details and risk calculation tables for current and future exposure to Units B and C groundwater are presented in Tables J.44 to J.47 and J.48 to J.51.

c) Irrigation of Homegrown Fruits and Vegetables

A resident may be exposed indirectly to chemicals in groundwater through vegetables and fruit that are irrigated with the groundwater. As stated in the U.S. EPA guidance documents reviewed, there is no validated model for estimating the uptake by plants of chemicals in water or soil. Therefore, the following conservative assumptions were used to estimate the exposure from irrigated fruits and vegetables:

- there is no barrier to chemical uptake by plant roots, therefore the chemicals in soil pore water pass freely into the plant;
- all the soil pore water is from irrigation;
- all the water available to the plant during the growing season is from irrigation (i.e., no rainfall);

[3] Reference: Little, John C. Applying the Two-Resistance Theory to Contaminant Volatilization in Showers", Environmental Science and Technology, Vol. 26, pp. 1341-1349, 1992.

- the water contained in the plant and the soil pore water have the same chemical concentration; and
- the water in the plant constitutes 90 percent of the plant's and plant product's weight.

Applying these assumptions, one can conclude that the chemical concentrations in the groundwater equals the chemical concentrations in the soil pore water which equals the chemical concentrations in the water content of the plants and their fruits or edible portions.

The Exposure Factor Handbook (EFH), EPA/600/8-89/043, March 1990, provides estimates for typical homegrown vegetable consumption and homegrown fruit consumption, as follows:

	Typical	*Worst Case*
Homegrown Vegetables	50 g/day	80 g/day
Homegrown Fruit	28 g/day	42 g/day
Total Homegrown	78 g/day	122 g/day

Assuming that the 122 g/day of homegrown fruits and vegetables is 90 percent water we would have an intake (worst case) of 110 g/day of water from this source, or 0.11 liters of water per day from this source. If an individual consumed all his drinking water (2 liters per day) from the same source as used for irrigation and had exposure to the same groundwater from bathing or showering equivalent to 3 liters (1.5 x 2 liters), this would be equivalent to daily exposure to the chemical in 5 liters of water from drinking and bathing. This compares to 0.11 liters per day from ingestion of fruits and vegetables.

Therefore, potential exposure via the pathway of homegrown fruits and vegetables accounts for approximately 2 percent of the total residential exposure to contamination in water for household and irrigation use. Since consumption of fruits and vegetables represent only a fraction of the exposure estimated by drinking water consumption and bath/shower use, the health risk and hazard from the chemicals in

homegrown fruits and vegetables will not be quantified since it will result in lower overall risk when compared to the potable water use scenario.

J.3.5.3 Soil/Sediment Exposure Intake

Sediments were evaluated for on-Site ditches and ponds. For these areas, potential receptors include workers and trespassers. Off-Site sediments were evaluated for hunters (current) and for a residential potential (future). Sediments collected from the areas noted were evaluated in the RA as if they were soil and the individual is exposed to soil while in the area. Applying the following scenario assumptions provides a conservative estimate of the chemical intake of chemicals from sediment for the workers, trespassers or hunter and the residents evaluated.

The equation for calculating chemical intake through dermal absorption of chemicals from soil is as follows:

$$I = \frac{CS \times SA \times AF \times ABS \times EF \times ED \times CF}{BW \times AT} \qquad (3)$$

where:

I = Absorbed dose (mg/kg body weight/day)
CS = Chemical concentration in soil (mg/kg)
SA = Dermal surface area (cm^2)
AF = Soil-to-Skin Adherence factor (mg/cm^2)
ABS = Absorption factor (unitless)
EF = Exposure frequency (events/year)
ED = Exposure duration (years)
BW = Body weight (kg)
AT = Averaging time (period over which exposure is averaged - days)
CF = Conversion factor (10^{-6} kg/μg)

The equation for calculating chemical intake through ingestion of soil or sediment is presented below:

$$I = \frac{CS \times IR \times ABS \times EF \times ED \times CF}{BW \times AT} \qquad (5)$$

where:

I	=	Chemical intake (mg/kg body weight/day)
CS	=	Chemical concentration in soil (mg/kg)
IR	=	Ingestion rate (mg/day)
ABS	=	Absorption factor (unitless)
EF	=	Exposure frequency (events/year)
ED	=	Exposure duration (years)
BW	=	Body weight (kg)
AT	=	Averaging time (period over which exposure is averaged - days)
CF	=	Conversion factor (10^{-6} kg/μg)

The specific assumptions used in these equations to estimate the exposures of workers, trespassers, or hunters and residents in nearby homes are presented in the following subsections.

a) <u>Worker</u>

i) exposure point concentrations are the mean (Mean) and the 95% UCL of the mean (RME);

ii) ingestion rate is 50 mg of soil/day for both Mean and RME;

iii) surface area exposed to soiling is 5,230 cm^2 (Mean) (RME). The value assumes hands, lower arms, lower legs and head are soiled.

iv) conversion factor is 0.000001 kg/mg;

v) the worker is exposed daily for 10 (Mean) or 60 (RME) days per year. These workers would be involved in remedial work and/or maintenance activities;

vi) the worker is employed for 25 years (Mean) (RME) at the same job for his work life. This may overestimate exposure because it is reasonable to assume that a worker will change jobs (new employer or with same employer) 2 or 3 times during his working career;

vii) the average worker weighs 70 kg;

viii) averaging time:

Carcinogen - for average daily intake during a lifetime - 25,550 days.

Non-carcinogen - for average daily intake during the exposure duration - ED * 365 days.

ix) 0.2 mg (Mean) or 1.0 mg (RME) of soil adheres to each cm^2 of skin;

x) the chemical-specific dermal absorption factor represents the rate of absorption of the chemical through the skin. The absorption factor for oral ingestion is assumed to be 1.0; and

xi) the PTF or part of exposure time individual is exposed to the impacted soil is 1 since the hazardous constituents are assumed to extend over 100 percent of the area evaluated.

The exposure scenario details and risk calculation tables for soil/sediment exposure for an industrial worker on the Site are presented in Tables J.52 to J.59.

b) Trespasser (Older Child or Adult)

For the on-Site areas, the potential exposure to COCs in sediment by local trespassers is evaluated. Due to the nature of the area, the trespasser most likely to make potential direct contact with the on-Site sediments is an older child, 6 to 18 years of age or an adult.

Applying the following scenario assumptions in the exposure formula provides a conservative estimate of the chemical intake for an older child's or an adult's exposure to sediments on Site:

i) exposure point concentrations are the mean (Mean) and the 95% UCL of the mean (RME);

ii) ingestion rate is 100 mg of sediment per day for both Mean and RME;

iii) surface area exposed to soiling is 5,230 cm^2 for Mean and RME. This value assumes hands, lower arms, lower legs, and face are soiled;

iv) conversion factor is 0.000001 kg/mg;

v) the older child or adult is exposed 1.5 days per week for 5 months for a total of 30 days per year (Mean), and 3 days per week for 5 months for a total of 60 days per year (RME);

vi) the older child or adult resides near the Site and has the same residence for 9 years (Mean) or 30 years (RME);

vii) the average older child or adult weighs 70 kg;

viii) averaging time:

Carcinogen - for average daily intake during a lifetime - 25,550 days;

Non-carcinogen - for average daily intake during the exposure duration - ED * 365;

ix) 0.2 mg (Mean) or 1.0 mg (RME) of sediment adheres to each cm^2 of exposed skin;

x) the chemical-specific absorption factor represents the rate of absorption of the chemical through the skin. The rate of absorption for ingested contaminant is assumed to be 100 percent; and

xi) the PTF or part of exposure time individual is exposed to the impacted soil is 1 since the hazardous constituents are assumed to extend over 100 percent of the area evaluated.

The exposure scenario details and risk calculation tables for soil/sediment exposure for a trespasser on the Site are presented in Tables J.60 to J.67.

c) Hiker or Hunter (Older Child or Adult)

For the off-Site Sectors, the potential exposure to COCs in sediment by local trespassers is evaluated. Due to the nature of off-Site Sectors, the hunter/hiker that is most likely to make potential direct contact with the off-Site sediments is an older child, 6 to 18 years of age or an adult.

Applying the following scenario assumptions in the exposure formula provides a conservative estimate of the chemical intake for an older child's exposure to sediments in (area):

i) exposure point concentrations are the mean (Mean) and the 95% UCL of the mean (RME);

ii) ingestion rate is 100 mg of sediment per day for both Mean and RME;

iii) surface area exposed to soiling is 5,230 cm^2 for Mean and RME. This value assumes hands, lower arms, lower legs, and head are soiled;

iv) conversion factor is 0.000001 kg/mg;

v) the older child or adult is exposed 2.5 days per week for 6 months for a total of 60 days per year (Mean), and 5 days per week for 6 months for a total of 120 days per year (RME);

vi) the older child or adult resides near the Site and has the same residence for 9 years (Mean) or 30 years (RME);

vii) the average older child or adult weighs 70 kg;

viii) averaging time:

Carcinogen - for average daily intake during a lifetime - 25,550 days;

Non-carcinogen - for average daily intake during the exposure duration - ED * 365;

ix) 0.2 mg (Mean) or 1.0 mg (RME) of sediment adheres to each cm^2 of exposed skin;

x) the chemical-specific absorption factor represents the rate of absorption of the chemical through the skin. The rate of absorption for ingested contaminant is assumed to be 100 percent; and

xi) the PTF or part of exposure time individual is exposed to the impacted soil is 1 since the hazardous constituents are assumed to extend over 100 percent of the area evaluated.

The exposure scenario details and risk calculation tables for soil/sediment exposure for a hiker/hunter on the Site are presented in Tables J.68 to J.79.

d) Residential (Off Site)

For the off-Site area, the potential exposure to COCs in sediment by local residents is evaluated. Due to the nature of the off-Site area, the resident most likely to make potential direct contact with the off-Site sediments is a child or an older child/adult.

Applying the following scenario assumptions in the exposure formula provides a conservative estimate of the chemical intake for an older child's exposure to sediments in the off-Site area:

i) exposure point concentrations are the mean (Mean) and the 95% UCL of the mean (RME);

ii) ingestion rate for a child is 200 mg of sediment per day for both Mean and RME, ingestion rate for an older child or adult is 100 mg of sediment per day for both Mean and RME;

iii) surface area exposed to soiling is 5,230 cm^2 for Mean and RME. This value for mean assumes hands, lower arms, lower legs, and head are soiled;

iv) conversion factor is 0.000001 kg/mg;

v) the exposure frequency is 350 days per year for both child and adult. This allows for 15 days spent away from home;

vi) the exposure duration is 5 years for child (Mean and RME) and 5 and 25 years for adults (Mean and RME). The duration for child and adult are additive to account for 9- and 30-year residency (Mean and RME) at a single dwelling;

vii) the average weight is:
Child - 16 kg
Older Child or Adult - 70 kg;

viii) averaging time:

Carcinogen	- for average daily intake during a lifetime - 25,550 days;
Non-carcinogen	- for average daily intake during the exposure duration - ED * 365;

ix) 0.2 mg (Mean) or 1.0 mg (RME) of sediment adheres to each cm^2 of exposed skin;

x) the chemical-specific absorption factor represents the rate of absorption of the chemical through the skin. The rate of absorption for ingested contaminant is assumed to be 100 percent; and

xi) the PTF or part of exposure time individual is exposed to the impacted soil is 1 since the hazardous constituents are assumed to extend over 100 percent of the area evaluated.

The exposure scenario details and risk calculation tables for soil/sediment exposure for a residential setting in off-Site sectors are presented in Tables J.80 to J.91.

J.3.5.4 Inhalation of Volatiles

The inhalation exposure to volatiles in the ambient air has the same general exposure scenario as the ingestion route with two adjustments. The equation for calculating chemical intake through inhalation of volatiles in air is presented below:

$$I = \frac{CA \times IR \times ET \times EF \times ED}{BW \times AT} \qquad (7)$$

where:

I = Chemical intake (mg/kg body weight/day)
CA = Chemical concentration in air (mg/m^3)
IR = Inhalation rate (m^3/day)
EF = Exposure frequency (days/year)
ED = Exposure duration (years)
BW = Body weight (kg)
AT = Averaging time (period over which exposure is averaged - days)

The inhalation route was evaluated for on-Site workers and for an off-Site resident inhaling monitored on-Site air concentrations.

a) Worker

To evaluate the inhalation exposure of the industrial worker, the following assumptions were used:

i) the inhalation rate is 10 m^3/day (Mean and RME);

ii) the worker is exposed daily for 10 (Mean) or 60 (RME) days per year. These workers would be involved in remedial work and/or maintenance activities;

iii) the worker is employed for 25 years (Mean) (RME);

iv) the adult weighs 70 kilograms (kg);

v) the averaging time:
carcinogens - for average daily intake during a lifetime - 25,550 days.
non-carcinogens - for average daily intake during an exposure year - ED*365.

The exposure scenario details and risk calculation tables for air exposure for an industrial worker on Site are presented in Tables J.92 to J.95.

b) Nearby Resident

To evaluate the inhalation exposure under a residential setting located downwind from the Site boundary, the following assumptions were used:

i) the inhalation rate is 16 m^3 per day for a child (0 to 6 years) for both Mean and RME. The inhalation rate for an adult or older child is 20 m^3 per day for both Mean and RME;

ii) the resident adult and child is exposed daily for 350 days per year. This allows for 15 days away from home each year;

iii) the resident resides in the same residence for 9 years (Mean) or 30 years (RME);

iv) the resident is assumed to be a child for 6 years of the total residential exposure duration;

v) the adult weighs 70 kilograms (kg);
the child weighs 16 kg; and

vi) the averaging time:
carcinogens - for average daily intake during a lifetime - 25,550 days.
non-carcinogens - for average daily intake during an exposure year - ED*365.

vii) the percentage time factor is 0.20 (Mean) and 0.3 (RME). Based on numbers of days with no wind and the wind rose (direction) it is assumed that vapors from the Site reach a specific neighboring residence 20 percent of the time (Mean) or 30 percent of the time (RME).

The exposure scenario details and risk calculation tables for air exposure in a residential setting off Site are presented in Tables J.96 to J.99.

J.4.0 TOXICITY ASSESSMENT

J.4.1 DOSE-RESPONSE RELATIONS

The dose-response relationship for various chemicals or chemical groups are derived from published toxicity data. The U.S. EPA has reviewed this data and developed sets of toxicity values to provide quantitative estimates of the toxicity of chemicals and resultant toxic effects. For carcinogenic effects, the U.S. EPA has developed oral or inhalation cancer slope factors (CSFs), while for noncarcinogenic effects, such as organ damage or reproductive effects, oral or inhalation reference doses (RfDs) have been developed. Available CSF and RfD values utilized in this assessment are summarized in Tables J.9, J.11, J.13, J.15, J.37, J.45 and J.49.

J.4.2 CARCINOGENIC RISKS

CSFs are quantitative risk estimates of carcinogenic potency. Slope factors relate the lifetime probability of excess tumors to the lifetime average exposure dose of a substance. The CSF is estimated by the use of mathematical extrapolation models, most commonly the linearized multistage (LMS) model, and is presented as the risk per mg/kg-day (i.e., mg dose carcinogen per kg body weight per day). The model assumes low dose linearity and thus may not be appropriate for some suspect carcinogens, which function as promoters or due to the body's natural repair processes and defense mechanisms, at low exposure levels. The risks at lower exposure levels are likely to be overestimated when using the LMS model. When adequate human epidemiology data are available, the maximum likelihood estimates of model parameters are used to generate a CSF. When only animal data is available, the CSF is derived from the largest possible linear slope that is consistent with the data (within the upper 95 percent confidence limit). In other words, the true risk to humans, while not identifiable, is not likely to exceed the upper-bound estimate, and may even be zero. The most recently published CSFs developed are used in this RA.

Known or suspect human carcinogens are evaluated and identified by the Carcinogen Assessment Group with the U.S. EPA's Weight-of-Evidence classification for carcinogenicity. The chemicals of concern for the Site are classified utilizing U.S. EPA's system.

The U.S. EPA classification is based on an evaluation of the likelihood that the agent is a human carcinogen. The evidence is characterized separately for human and animal studies as follows:

Group A - Known Human Carcinogen (sufficient evidence of carcinogenicity in humans);

Group B - Probable Human Carcinogen (B1 - limited evidence of carcinogenicity in humans; B2 - sufficient evidence of carcinogenicity in animals with inadequate or lack of evidence in humans);

Group C - Possible Human Carcinogen (limited evidence of carcinogenicity in animals and inadequate or lack of human data);

Group D - Not Classifiable as to Human Carcinogenicity (inadequate or no evidence);

Group E - Evidence of Noncarcinogenicity for Humans (no evidence of carcinogenicity in human epidemiology studies or animal studies).

J.4.3 POTENTIAL RISK FROM CARCINOGENS

Increased risk of cancer is expressed by terms such as 1×10^{-6}. This is a hypothetical estimate of the upper limit of risk based on very conservative or health-protective assumptions and calculations. The statement that a chemical exposure causes a "1×10^{-6} added upper limit risk of cancer" means that if 1,000,000 people are exposed for their lifetime, one additional incident of cancer is expected to occur. The calculation and

assumptions assure that no more than one case is expected and, in fact, there may be no additional cases of cancer.

In the Federal Register (FR Vol. 52, No. 130, page 25700) in which U.S. EPA promulgated Maximum Contaminant Levels (MCLs) for certain volatile organic compounds, it is stated that "the target reference risk range for carcinogens is 10^{-6} to 10^{-4} and the maximum contaminants levels U.S. EPA is promulgating in this notice generally fall in this range. U.S. EPA considers these to be safe levels and protective of public health. This is supported by the concept expressed by the "WHO (World Health Organization) 1984 Guidelines for Drinking Water Quality", where it selected a 10^{-5} guideline value, and then explained that the application could vary by a factor of ten (i.e., 10^{-4} to 10^{-6}). This acceptable range of risk is applied to the general population in the United States when used as limits to develop Federal Maximum Contaminant Levels (MCLs). This range of 1×10^{-6} to 1×10^{-4} which U.S. EPA considers protective of public health for drinking water was used as the target range in this evaluation of exposures to Site-related chemicals.

The size of the affected population is one factor that affects which part of the target range should be considered. If the population of a large metropolitan area is potentially exposed, a risk as low as 1×10^{-6} is preferred. If the population exposed numbers only a few hundred people, a risk level of 1×10^{-4} is considered adequately protective of human health.

These cancer risk estimates are further explained by the following chart:

Estimate of Excess Cancer Risk	*Maximum Number of Additional Cancer Incidents Expected*	*Exposed Population*
1×10^{-6}	1	1,000,000
1×10^{-5}	1	100,000
1×10^{-4}	1	10,000

When these figures are applied in an evaluation of hypothetical human exposures to suspect carcinogens, it must be noted that in a population of a million people, the background level of expected cancer cases, or the actual number of people which will be afflicted with cancer in their lifetime, is approximately 250,000, or one in every four people.

J.4.4 NONCARCONOGENIC RISKS

For substances suspected to cause noncarcinogenic chronic effects, the health criteria are usually expressed as chronic intake levels or Reference Doses (RfD) (in units of mg/kg-day) below which, no adverse effects are expected. In contrast with the underlying toxicological model used by U.S. EPA to assess carcinogenic risk which assumes no threshold, the noncarcinogenic dose-response model postulates a "threshold." In other words, there is a level of exposure to a chemical below which virtually no effects are expected.

In this risk assessment, chronic RfDs are used as the toxicity values for noncarcinogenic health effects. A chronic RfD is defined as an estimate (with uncertainty spanning an order of magnitude or greater) of a daily exposure level for the human population, including sensitive subpopulations, that is likely to be without an appreciable risk of deleterious effects during a lifetime. Uncertainty factors have been incorporated into the RfDs to account for extrapolations from animal data, quality of the data and to protect sensitive subpopulations. The basis of an RfD derivation by the U.S. EPA is usually the highest dose level administered to laboratory animals which did not cause observable adverse effects, the No-Observed Adverse Effect Level or NOAEL, after chronic (usually lifetime) exposure. The NOAEL is then divided by appropriate uncertainty (safety) factors, and sometimes an additional modifying factor, to obtain the RfD. In general, an uncertainty factor of 10 is used to account for interspecies variation and another factor of 10 to account for sensitive human populations. Additional factors of 10 are included in the uncertainty factor if the RfD is based on the Lowest-Observed Adverse Effect level (LOAEL) instead of the NOAEL, or data inadequacies such as an experiment that includes a less than chronic exposure.

J.5.0 RISK CHARACTERIZATION

Carcinogenic and non-carcinogenic risks are calculated as described below. Exposure situations may involve the potential exposure to more than one chemical. To assess the potential for carcinogenic and non-carcinogenic effects posed by exposure to multiple chemicals, it is assumed, in the absence of information on synergistic or antagonistic effects, that risks are additive. This approach is based on Guidelines for Health Risk Assessment of Chemical Mixtures (U.S. EPA, 1986a) and Guidelines for Cancer Risk Assessment (U.S. EPA, 1986b).

A. Estimating Cancer Risks Caused by Exposure to Multiple Carcinogens

Carcinogenic risks are calculated utilizing the following:

$$\text{Cancer Risk} = \text{CDI} \times \text{CSF}$$

where:

Cancer Risk = unitless probability
CDI = chronic daily intake averaged over 70 years (mg/kg-day)
CSF = cancer slope factor $(\text{mg/kg-day})^{-1}$

For estimating cancer risks from exposure to multiple carcinogens from a single exposure route, the following equation is used:

$$\text{Risk}_T = \sum_{i=1}^{n} \text{Risk}_i$$

where:

Risk_T = Total cancer risk from route of exposure
Risk_i = Cancer risk for the ith chemical
n = Number of chemicals

B. Noncarcinogenic Risk Estimation

The potential for noncancer health effects from exposure to a contaminant is evaluated by comparing an exposure level over a specified time period with a reference dose (RfD) for a similar time period. This ratio of exposure to toxicity is called a hazard quotient and is described below.

The Hazard Quotient for each chemical exposure scenario are calculated according to the following general formula:

$$HQ = \frac{CDI}{RfD}$$

where:

HQ = Hazard Quotient
CDI = Chronic Daily Intake (mg/kg-day)
RfD = Reference Dose (mg/kg-day)

The Hazard Index for each scenario is the sum of the HQs and is represented by the following equation:

$$HI = \sum_{i=1}^{n} HQ_i$$

where:

HI = Hazard Index
HQi = Hazard Quotient for the ith chemical
n = Number of chemicals

This comparison can be evaluated as follows:

$HI \geq 1$ Potential for health effects
$HI < 1$ Health effects not anticipated

J.5.1 ESTIMATED CARCINOGENIC RISK AND NON-CARCINOGENIC HAZARD FOR SPECIFIC EXPOSURES

a) Unit A, Perched Water - Construction Worker Exposure

Table J.27 summarizes the additional lifetime cancer risks and noncarcinogenic hazard indices related to construction worker exposure to on-Site concentrations in perched water and the vapor from that water, at the western perimeter of the Site.

The estimated incremental cancer risk from incidental ingestion and dermal contact is 2.8E-06 (Mean) and 3.7E-05 (RME), while those for inhalation are 1.5E-06 (Mean) and 1.0E-05 (RME).

The hazard indices from incidental ingestion and dermal contact is 2.1E-04 (Mean) and 2.4E-03 (RME), while those for inhalation are 5.9E-03 (Mean) and 3.7E-02 (RME).

The construction worker incidental ingestion/dermal contact and inhalation pathways are additive. Thus the total estimated incremental cancer risk is 4.3E-06 (Mean) and 4.7E-05 (RME). These estimated risk levels fall within the target cancer risk range of 1.0E-06 to 1.0E-04 established by U.S. EPA. It is important to realize that this scenario assumes that Unit A is breached and standing water is contacted by some sort of unprotected construction activity on Site. However, this potential exposure route is unlikely since the Site is surrounded by a security fence and on-Site maintenance personnel patrol the Site regularly.

The total hazard indices are 6.1E-03 (Mean) and 3.9E-02 (RME) which are below 1.0. An HI below 1.0 indicates a level of no concern. An H1 above 1.0 indicates a potential for noncarcinogenic effects and suggests further evaluation.

b) Units B and C Groundwater - Residential - Current Conditions

Table J.28 summarizes the additional lifetime cancer risks and noncarcinogenic hazard indices related to residential exposure to on-Site concentrations at the downgradient perimeter of the Site.

The estimated incremental cancer risk is 1.3E-04 (Mean) and 5.0E-04 (RME). These estimated risk levels fall above the target cancer risk range of 1.0E-06 to 1.0E-04 established by U.S. EPA. Under the current Site conditions, arsenic contributes 72 to 77 percent of the total lifetime cancer risks related to residential use of Units B and C groundwater. Note that the calculated mean and 95% UCL concentrations for arsenic are well below the federal drinking water Maximum Contaminant Level (MCL) of 50 μg/L. It is important to realize that this scenario is unlikely since it assumes that a residence is built and a well is installed within the fence at the downgradient property line.

The hazard indices are 3.9E+00 (Mean) and 6.0E+00 (RME) which are above 1.0. An HI below 1.0 indicates a level of no concern. An HI above 1.0 indicates a potential for non-carcinogenic effects and suggests further evaluation. These exceedences relate to arsenic and manganese in groundwater. Arsenic and manganese combined contribute 91 percent of the total hazard for both the Mean and RME. As stated above, the calculated mean and 95% UCL concentration for arsenic is well below the MCL of 50 μg/L. Manganese is known to generally exceed the secondary MCL in groundwater in this region. Considering the conservative nature of the assumptions and the fact that groundwater usage evaluated is not likely to occur, this exceedence of HI is not a significant concern.

c) Units B and C Groundwater - Residential - Future Condition

Table J.29 summarizes the additional lifetime cancer risks and non-carcinogenic hazard indices related to residential exposure to on-Site water concentrations at a hypothetical residential well.

The estimated incremental cancer risk is 2.4E-04 (Mean) and 8.9E-04 (RME). These estimated risk levels fall are above the target cancer risk range of 1.0E-06 to 1.0E-04 established by U.S. EPA. Under the future Site conditions, the chemicals driving the total lifetime cancer risk related to drinking water use of Units B and C groundwater are arsenic and beryllium. Of the total cancer risks, arsenic and beryllium combined contribute 79 percent and 67 percent of the total lifetime cancer risks for the Mean and RME, respectively. Note that the calculated mean and 95% UCL concentration for arsenic and beryllium are well below their respective federal drinking water Maximum Contaminant Levels (MCLs) of 50 µg/L and 4 µg/L. It is important to understand that this scenario is equivalent to drilling a well through the landfill, in the center of the Site and using it to supply a residence. This exposure scenario is unlikely given the presence of perimeter fencing and regular patrolling by maintenance personnel and, in the future, deed restrictions. This exposure pathway was evaluated at IDEM's request.

The hazard indices are 5.5E+00 (Mean) and 7.4E+00 (RME) which are above 1.0. An HI below 1.0 indicates a level of no concern. An HI above 1.0 indicates a potential for non-carcinogenic effects and suggests further evaluation. These exceedences relate to arsenic and manganese in the groundwater. Arsenic and manganese combined contribute approximately 80 percent of the total hazard for both the Mean and RME. As noted above, the calculated Mean and 95% UCL concentrations for arsenic are well below the MCL of 50 µg/L and these minor exceedences of the HI are not significant under the conditions of the assessment.

d) <u>On-Site Sediment - Occasional Visitors and Trespassers</u>

Table J.30 summarizes the additional lifetime cancer risks and non-carcinogenic hazard indices related to occasional visitor or trespasser exposure to sediment on Site in the northeast pond and southwest pond under current conditions. The exposure of visitors and trespasser would not be expected to change under future conditions.

The estimated incremental cancer risk is 3.2E-08 (Mean) and 4.2E-07 (RME) for the NE Pond and no cancer risks in SW Pond. These estimated risk levels fall below the target cancer risk range of 1.0E-06 to 1.0E-04 established by U.S. EPA.

The hazard indices are 2.1E-04 (Mean) and 7.7E-04 (RME) for the NE Pond, and 1.2E-04 (Mean) and 3.4E-04 (RME) for the SW Pond which fall below 1.0. An HI below 1.0 indicates a level of no concern. An HI above 1.0 indicates a potential for non-carcinogenic effects and suggests further evaluation.

e) <u>On-Site Sediment - Industrial Worker</u>

Table J.31 summarizes the additional lifetime cancer risks and non-carcinogenic hazard indices related to a construction worker exposure to sediments on Site in the northeast pond and southwest pond areas under current conditions. The exposure of construction workers is not expected to change under future conditions.

The estimated incremental cancer risk is 1.6E-08 (Mean) and 2.4E-07 (RME) for the NE Pond and no cancer risks in SW Pond. These estimated risk levels fall below the target cancer risk range of 1.0E-06 to 1.0E-04 established by U.S. EPA.

The hazard indices are 3.8E-05 (Mean) and 5.2E-04 (RME) for the NE Pond, and 2.3E-05 (Mean) and 2.3E-04 (RME) in SW Pond which fall below 1.0. An HI below 1.0 indicates a level of no concern. An HI above 1.0 indicates a potential for non-carcinogenic effects and suggests further evaluation.

f) <u>Off-Site Sediment - Hikers and Hunters</u>

Table J.32 summarizes the additional lifetime cancer risks and non-carcinogenic hazard indices related to occasional contact by hikers or hunters to sediments off Site in the designated quadrants under current conditions. The exposure of hikers and hunters is not expected to change

under future conditions workers the area is developed (see residential exposure).

The estimated incremental cancer risk is 4.2E-08 (Mean) and 5.7E-07 (RME) for the North Sector; 6.2E-08 (Mean) and 1.0E-06 (RME) for the East Sector; and 8.3E-08 and 8.7E-07 for the West Sector. These estimated risk levels fall below the target cancer risk range of 1.0E-06 to 1.0E-04 established by U.S. EPA.

The hazard indices are 1.5E-05 (Mean) and 6.2E-05 (RME) for the North Sector; 2.2E-05 (Mean); and 1.1E-04 for the East Sector; and 3.0E-03 (Mean) and 1.2E-02 (RME) for the West Sector which fall below 1.0. An HI below 1.0 indicates a level of no concern. An HI above 1.0 indicates a potential for non-carcinogenic effects and suggests further evaluation.

g) Off-Site Sediment - Residential - Future Conditions

Table J.33 summarizes the additional lifetime cancer risks and non-carcinogenic hazard indices related to residential exposure of adults and children to off-Site sediments under hypothetical future conditions of residential development.

The estimated incremental cancer risk is 1.2E-06 (Mean) and 3.4E-06 (RME) for the North Sector; 1.8E-06 (Mean) and 6.2E-06 (RME) in the East Sector; and 2.5E-06 (Mean) and 5.2E-06 (RME) in the West Sector. These estimated risk levels fall at the lower end of the target cancer risk range of 1.0E-06 to 1.0E-04 established by U.S. EPA.

The hazard indices are 7.3E-04 (Mean) and 1.3E-03 (RME) in the North Sector; 1.1E-03 (Mean) and 2.4E-03 (RME) in the East Sector; and 1.5E-01 (Mean) and 2.6E-01 (RME) in the West Sector which fall below 1.0. An HI below 1.0 indicates a level of no concern. An HI above 1.0 indicates a potential for non-carcinogenic effects and suggests further evaluation.

h) On-Site Air - Worker

Table J.34 summarizes the additional lifetime cancer risks and non-carcinogenic hazard indices related to worker exposure to air on Site.

The estimated incremental cancer risk is 6.6E-07 (Mean) and 4.0E-06 (RME). These estimated risk levels fall below or at the lower end of the target cancer risk range of 1.0E-06 to 1.0E-04 established by U.S. EPA.

The hazard indices are 2.1E-05 (Mean) and 1.3E-04 (RME) which fall below 1.0. An HI below 1.0 indicates a level of no concern. An HI above 1.0 indicates a potential for non-carcinogenic effects and suggests further evaluation.

i) Off-Site Air - Resident

Table J.35 summarizes the additional lifetime cancer risks and non-carcinogenic hazard indices related to off-Site resident exposure to air off Site.

The estimated incremental cancer risk is 3.5E-06 (Mean) and 1.4E-05 (RME). These estimated risk levels fall within the target cancer risk range of 1.0E-06 to 1.0E-04 established by U.S. EPA.

The hazard indices are 4.5E-04 (Mean) and 8.8E-04 (RME) which fall below 1.0. An HI below 1.0 indicates a level of no concern. An HI above 1.0 indicates a potential for non-carcinogenic effects and suggests further evaluation.

J.5.2 SUMMATION OF RISKS

A given population may be exposed to a chemical from several exposure routes. The purpose of this section is to identify the risks associated with a population which may be exposed to a combination of the pathways which were evaluated.

RAGS (pgs. 8-15) provides that risks should be combined across exposure pathways only where the following occurs:

i) reasonable exposure pathway combinations are identified; and

ii) it appears likely that the <u>same</u> individuals would <u>consistently</u> face the "reasonable maximum exposure" ("RME") by more than one pathway.

As opposed to encouraging the calculation of combined risks from across exposure pathways, RAGS cautions (pgs. 8-16) that each RME estimate includes many conservative assumptions and combining estimates is not appropriate unless the combination itself is a RME:

> *"For real world situations in which contaminant concentrations vary over time and space, the same individual may or may not experience the RME for more than one pathway over the same period of time. One individual might face the RME through one pathway, and a different individual face the RME through a different pathway. <u>Only if you can explain why the key RME assumptions for more than one pathway apply to the same individual or subpopulation should the RME risks for more than one pathway be combined</u>.*
>
> *In some situations, it may be appropriate to combine one pathway's RME risks with other pathways' risk estimates that have been derived <u>from more typical exposure</u> parameter values". (Emphasis added).*

Under the present and future Site conditions, exposure of individuals residing in the vicinity of the Site is considered.

The following combined scenarios were evaluated:

A. Present Conditions

There is no present exposure route defined for surface water. Therefore, a plausible scenario to assess the cumulative risks across the various pathways is addressed in the following combined exposure scenario:

Present Cumulative Risk Scenario

Industrial Worker

1. Worker - Sediment, on Site ;
2. Worker - Inhalation, on Site;

Construction Worker

3. Worker - Groundwater, on Site;
4. Worker - Groundwater Vapor, on Site;

Nearby Resident

5. Occasional Visitor and trespasser - Sediments, on Site;
6. Residential - Inhalation, off Site;
   - Exposure to sediment/soil off Site;
   - Groundwater used in residence (perimeter well)

It is improbable that the same person would experience all potential exposures, the same number of times or over the periods of years specified in the individual RME scenarios. As a result, it may be inappropriate to sum these risks and hazards. RMEs for the summed pathways may, therefore, exaggerate an appropriate RME for the

summed combined pathway exposures. However, to maintain a conservative approach, RMEs for the cumulative exposure for worker exposure scenarios and for residential exposure scenarios are summed.

The cumulative risks for an individual exposed through multiple pathways is summarized as follows:

Present Cumulative Risk Scenario

	RME Carcinogenic Risk	*RME Hazard Index*
Industrial Worker		
1. Worker - Sediment - on Site		
Southwest Pond	0.0E+00	2.3E-04
Northeast Pond	2.4E-07	5.2E-04
2. Worker - Inhalation	4.0E-06	1.3E-04
Worker - Total	4.2E-06	1.0E-03
Construction Worker		
1. Worker - Groundwater - on Site	3.7E-05	2.4E-03
2. Worker - Inhalation of Groundwater Vapor on Site	1.0E-05	3.7E-02
Worker - Total	4.7E-05	3.9E-02

Residential

1. Residential Water - Future	8.9E-04	7.4E+00
2. Residential Water - Current	5.0E-04	6.0E+00
3. Sediment - Off Site		
North Sector	3.4E-06	1.3E-03
East Sector	6.2E-06	2.4E-03
West Sector	5.2E-06	2.6E-01
4. Inhalation - Off Site	1.4E-05	8.8E-04
5. Occasional Visitor/trespasser (on-Site)	4.2E-07	7.7E-04
6. Resident Totals (Sum of 3, 4, and 5 above)		
Residence in North Sector	1.8E-05	3.0E-03
Residence in East Sector	2.1E-05	4.1E-03
Residence in West Sector	2.0E-05	2.6E-01
7. North Sector Resident Total		
(Residence in North Sector plus water)	5.2E-04	6.0E+00

The estimated RME cancer risk for the present cumulative risk scenario for industrial workers is 4.2×10^{-6}. This estimated cancer risk is within the target cancer risk range of 10^{-6} to 10^{-4} as established by U.S. EPA. The hazard index is below 1.0, which is considered the level of concern.

The estimated RME cancer risk for the present cumulative risk scenario for construction workers is 4.7×10^{-5}. This estimated cancer risk

is within the target cancer risk range of 10^{-6} to 10^{-4} as established by U.S. EPA. The hazard index is below 1.0, which is considered the level of concern.

The estimated RME cancer risk for the present cumulative risk scenario for residents (including residential sediment, air and visitor/trespass exposures) ranges from 1.8×10^{-5} to 2.1×10^{-5} depending on the location of residence. This estimated cancer risk is within the target cancer risk range of 10^{-6} to 10^{-4} as established by U.S. EPA. The hazard index is below 1.0, which is considered the level of concern.

For the North Sector which is downgradient of the Site with regard to groundwater, the sum of residential total (7. above) and current groundwater cancer risk is 5.2E-04 (RME). The RME hazard index for a resident in the North Sector with regard to groundwater is 6.0E+00 which is above 1.0, the level of concern. These exceedences relate to the presence of manganese and arsenic in the groundwater. Manganese is known to generally exceed the secondary MCL in groundwater in this region and the 95% UCL for arsenic is below the MCL. As stated earlier, this scenario is unlikely. It is the equivalent to drilling a well through the landfill, in the center of the Site and using it to supply a residence. Considering the conservative nature of the assumption and the fact that groundwater usage evaluated is not likely to occur, these minor exceedences are not significant concerns.

J.5.3 IDENTIFICATION OF UNCERTAINTIES

The purpose of this Section is to provide a summary evaluation and discussion regarding the uncertainties associated with the final characterization of risk. The various uncertainties are discussed below in the following sections:

J.5.3.1 Exposure Scenario Assumptions;
J.5.3.2 Dose Response;
J.5.3.3 The Theoretical Nature of Risk Estimates; and
J.5.3.4 Synergistic Effects.

J.5.3.1 Exposure Scenario Assumptions

The purpose of this evaluation is to discuss the uncertainty associated with the primary exposure scenario assumptions such as land use and frequency of exposure.

Because the assumptions used in the scenarios are generally not based on objective test data but are subjective estimates based on judgment and experience applied to the data available, the tendency is to select conservative, health-protective values to guard against under-estimating exposure (and associated risk). This leads to a general over-estimating in all assumptions. When the over-estimates of individual assumptions are included in the scenario equations, they are multiplied. This exaggerates the over-estimation of each assumption and overstates the total exposure to an even greater degree. The exposure scenarios are therefore conservative in nature thereby providing the necessary factor of safety which is protective of health.

The intent of this risk assessment was to estimate the potential exposure point intakes for both the "average" (Level 1) and the "RME" (Level 2) exposure scenarios. In order to accomplish this goal, a series of standardized U.S. EPA exposure assumptions were utilized (when available). In the absence of available U.S. EPA guidance on exposure assumptions, professional judgment was used to establish necessary assumptions which are protective of health.

The exposure scenarios (Level 1 and 2) were developed to estimate the exposures expected to occur under both current and future land use conditions. The major uncertainties utilized in the RA regarding the physical exposure scenarios are summarized as follows:

- The incidental ingestion, dermal contact and inhalation exposure to Unit A assumes that no protective equipment or protective clothing will be worn. This assumption is very conservative as there is a good

likelihood that some sort of protective clothing (i.e., gloves, masks, coveralls, etc.) will be worn.

- The selection of on-Site groundwater concentrations in Units B and C as an estimate for the concentration term in the future scenario essentially assumes a well will be installed in the center of the Site through the Landfill. The selection of the downgradient perimeter groundwater concentrations assumes a residential well exists at the north property line. Both assumptions are very unlikely and disregard the decrease in groundwater contaminant concentrations due to dilution, adsorption and degradation during migration to any potential well location.

- Because of the limited data set, the mean values and the 95% UCL values may not represent actual Site conditions. In some instances maximum concentrations were used. Although the use of maximum values is generally recognized only as an appropriate screening approach, this is consistent with U.S. EPA guidance. However, it should be recognized that this procedure may overestimate the actual exposure by orders of magnitude.

- The actual frequency of exposure related to the trespassers and occasional visitor exposure scenarios is unknown. As a result, professional judgment based upon Site-specific conditions was used to conservatively estimate exposure frequency and duration.

- The future land use conditions of the Site and its environs were assumed to be the same as the present conditions. This assumption is appropriate given the current or future contemplated land use for the Site. There is no reason to expect that the land use in the vicinity of the Site will change in the foreseeable future.

- The utilization of present exposure point concentrations for future exposure scenarios is conservative (due to the fact that source material is not being added and some of the Site-related constituents will naturally degrade with time). Natural processes which can decrease environmental concentrations include dilution by uncontaminated water, adsorption, dispersion of contaminated groundwater, volatilization, biodegradation,

chemical degradation, and photodegradation. The use of steady-state contaminant concentrations generally overestimate the exposure.

- This RA has assumed 100 percent absorption of chemicals which have been ingested. Actual absorption rates from ingested contaminants may vary from 5 to 100 percent. Therefore, assuming 100 percent absorption of ingested contaminants may overestimate the associated risks.

- It is assumed that an individual will be exposed to contaminated media for the entire exposure period. Since much of the area surface soil and sediment is not contaminated and wind conditions would greatly affect inhalation exposure, this approach will over-estimate related risks and hazards.

J.5.3.2 Dose Response

One of the major uncertainties in the quantification of risk involves the application of toxicity information. Examples of the uncertainties associated with the toxicity values are presented as follows:

- chemicals may be assumed to be human carcinogens based on animal studies even when there is limited or no available evidence that the chemical is a human carcinogen;

- CSFs are derived from study data on animals dosed with high concentrations and therefore may not be applicable to evaluation of low concentration exposures;

- CSFs are developed in a conservative manner; and

- RfDs are also established with conservative factors of safety in comparison to actual studies.

J.5.3.3 The Theoretical Nature of Risk Estimates

As indicated previously, the results of a health risk assessment assigns a numerical value to the probability of a case of cancer developing in a population exposed to a specific amount of chemical which is a known or suspect carcinogen. This numerical value is presented as an upper limit excess cancer risk such as 1×10^{-6}, or one additional cancer case in a million people exposed to the designated chemical and at the designated chemical concentration for their entire lifetime which is assumed to be 70 years. The model that is applied to calculate this numerical risk value is intentionally biased to give a high value so the true value would not likely be greater and, in fact, may be zero. The Cancer Risk Model and the assumptions used to estimate exposure are protective of the most sensitive populations.

For example, if one hundred people living in 30 houses are exposed to a chemical, a suspect carcinogen, at a concentration that is reported to cause an estimated excess cancer risk of 1×10^{-6} or one in a million. The 100 people would have a 1 in 10,000 chance of developing a single cancer in any one individual during one lifetime attributable to exposure to the suspected carcinogen. In other words, these houses could be occupied for 10,000 lifetimes and have the same continual chemical concentration in question, and the probability would be that no more than one, and possibly no additional cancer cases would be expected to develop from the chemical exposure. In contrast to the single added cancer from the chemical exposure, the expected number of cancers in that population during 10,000 lifetimes would be approximately 250,000 due to the known cancer incidence in our population which is one cancer case during the lifetime of every four people.

J.5.3.4 Synergistic Effects

There is always a concern for synergistic (e.g., combined) effects when a receptor is exposed to several chemicals at the same time. In other words, there is concern that the several chemicals interact in the receptor to cause an effect significantly greater than the sum of effects of the individual chemicals. Site-related constituents are treated as if they all affect

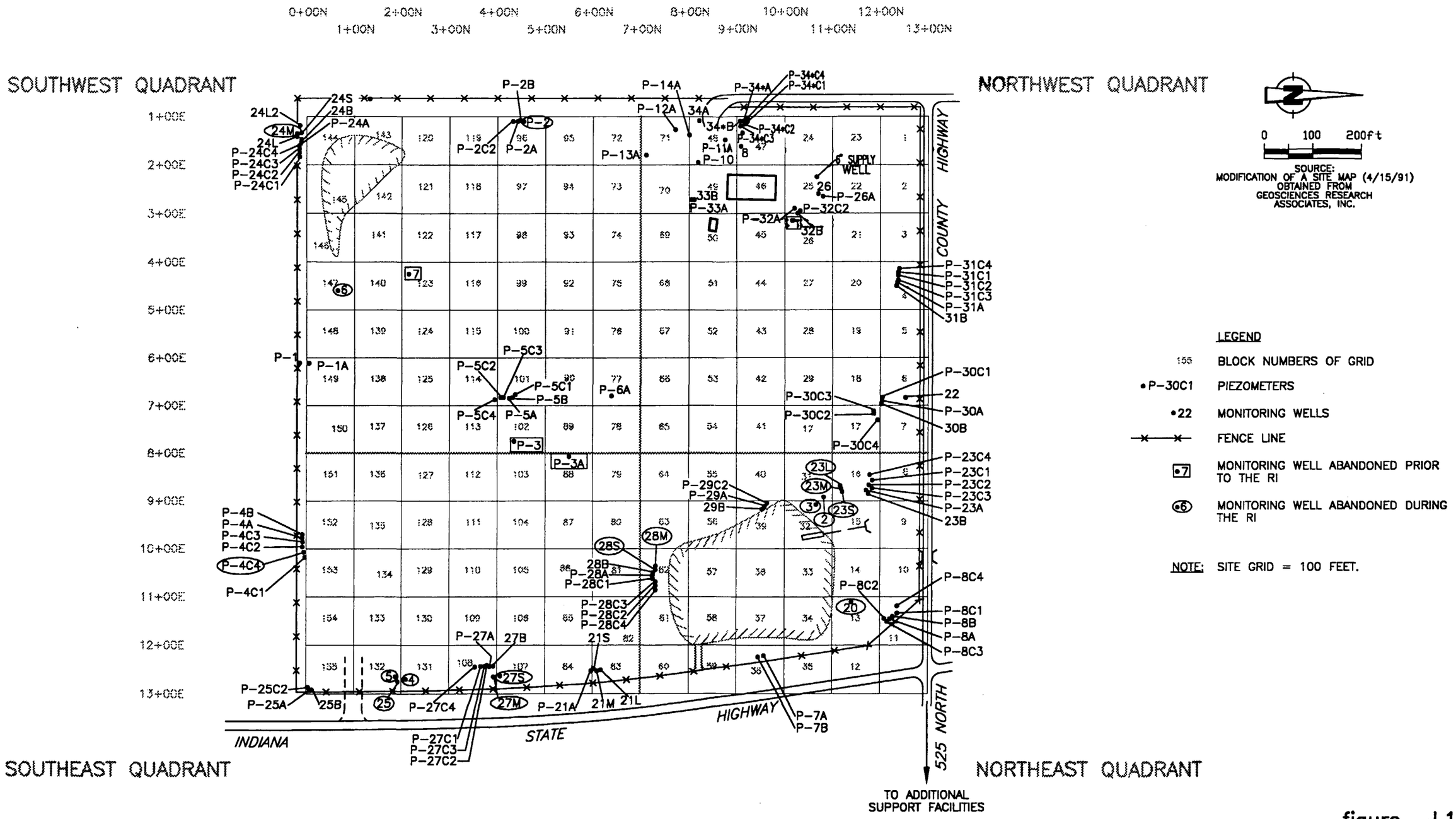


figure J.1

MONITORING WELL LOCATIONS
FOUR COUNTY LANDFILL SITE
Fulton County, Indiana

CRA

5369(11)–MAR. 28, 96–REV.0–(C)(P155)

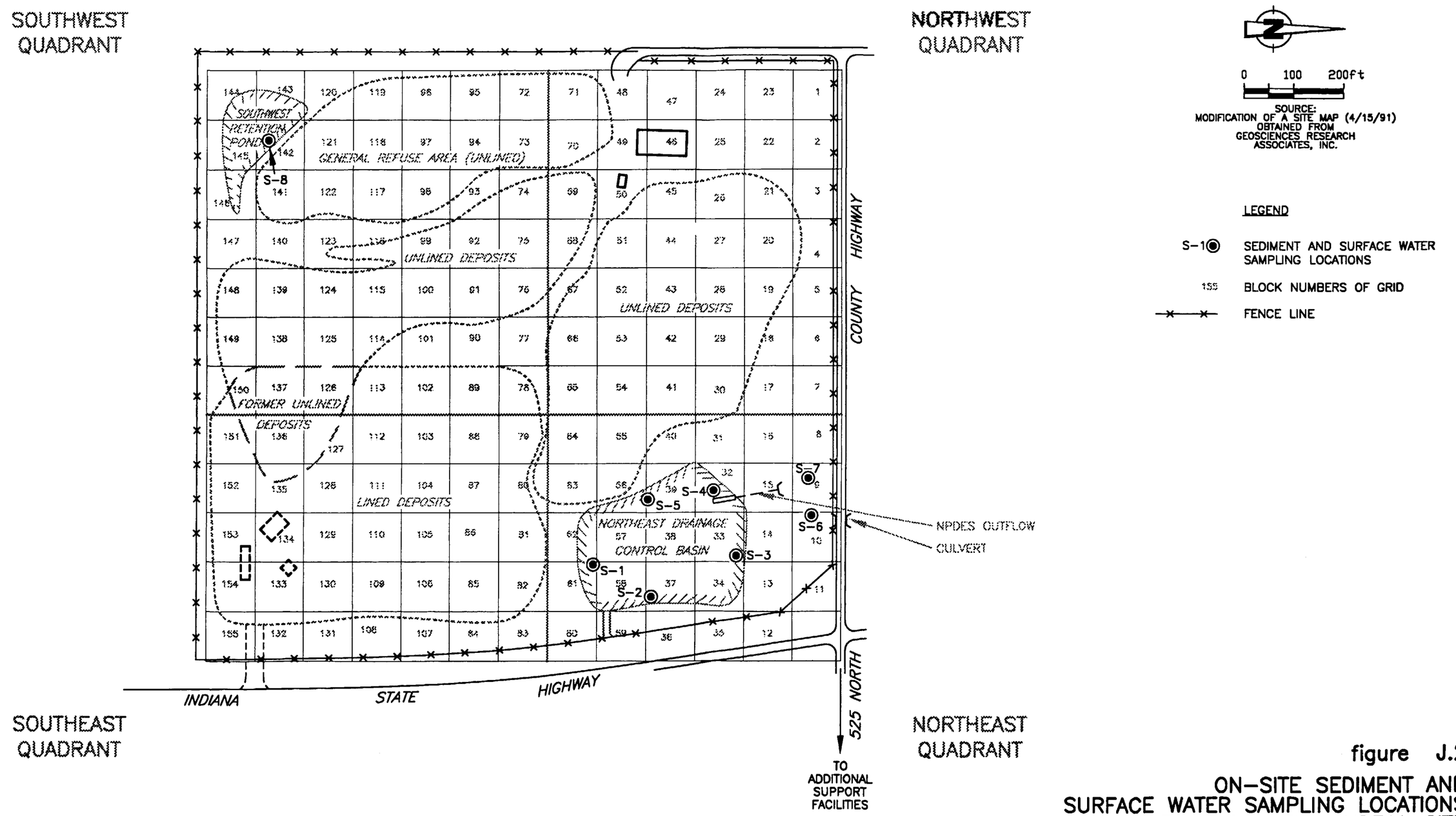


figure J.2

ON-SITE SEDIMENT AND SURFACE WATER SAMPLING LOCATIONS
FOUR COUNTY LANDFILL SITE
Fulton County, Indiana

CRA

5369(11)-JAN. 31, 96-REV.0-(C)(P121)

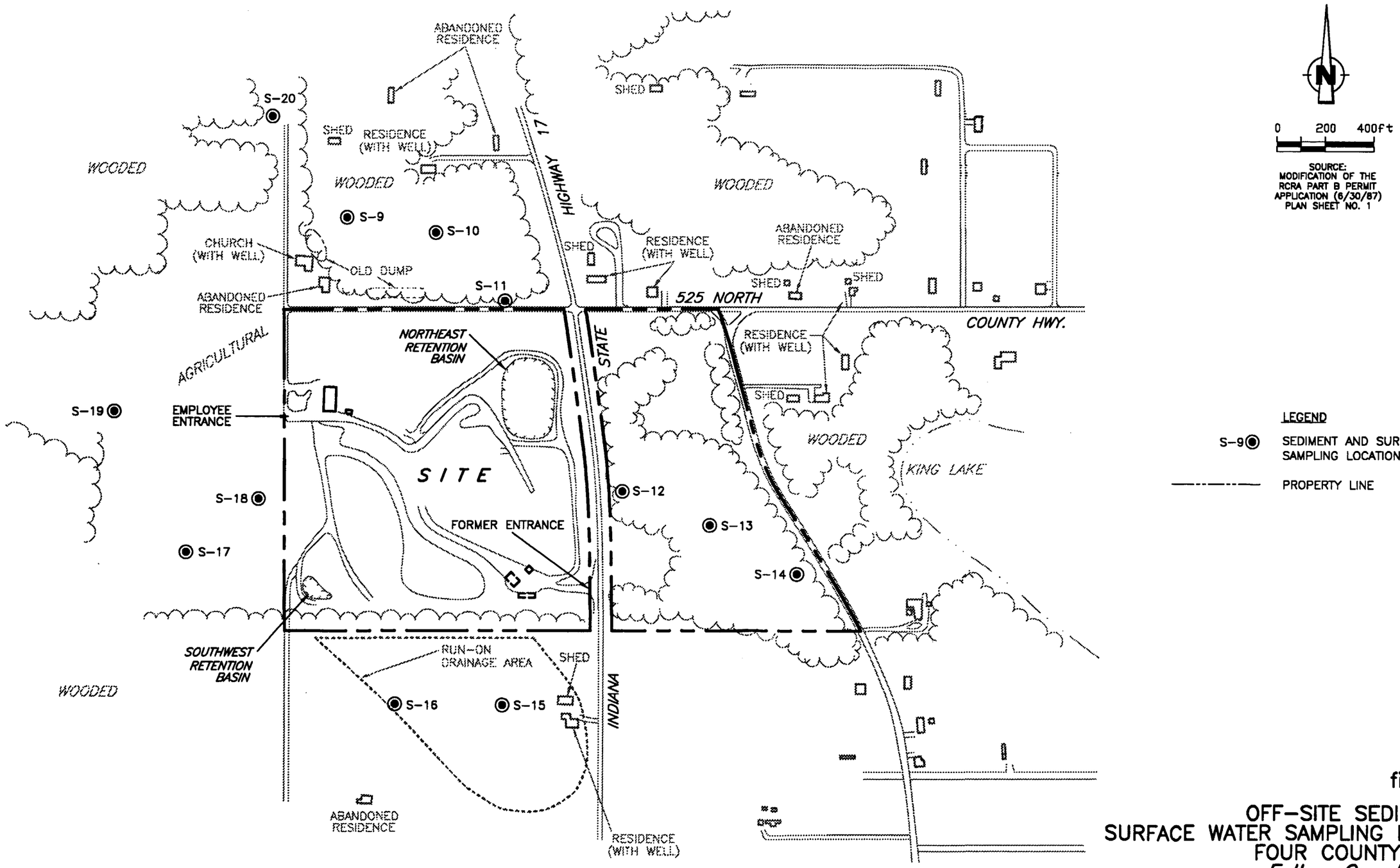


figure J.3

OFF-SITE SEDIMENT AND SURFACE WATER SAMPLING LOCATIONS FOUR COUNTY LANDFILL

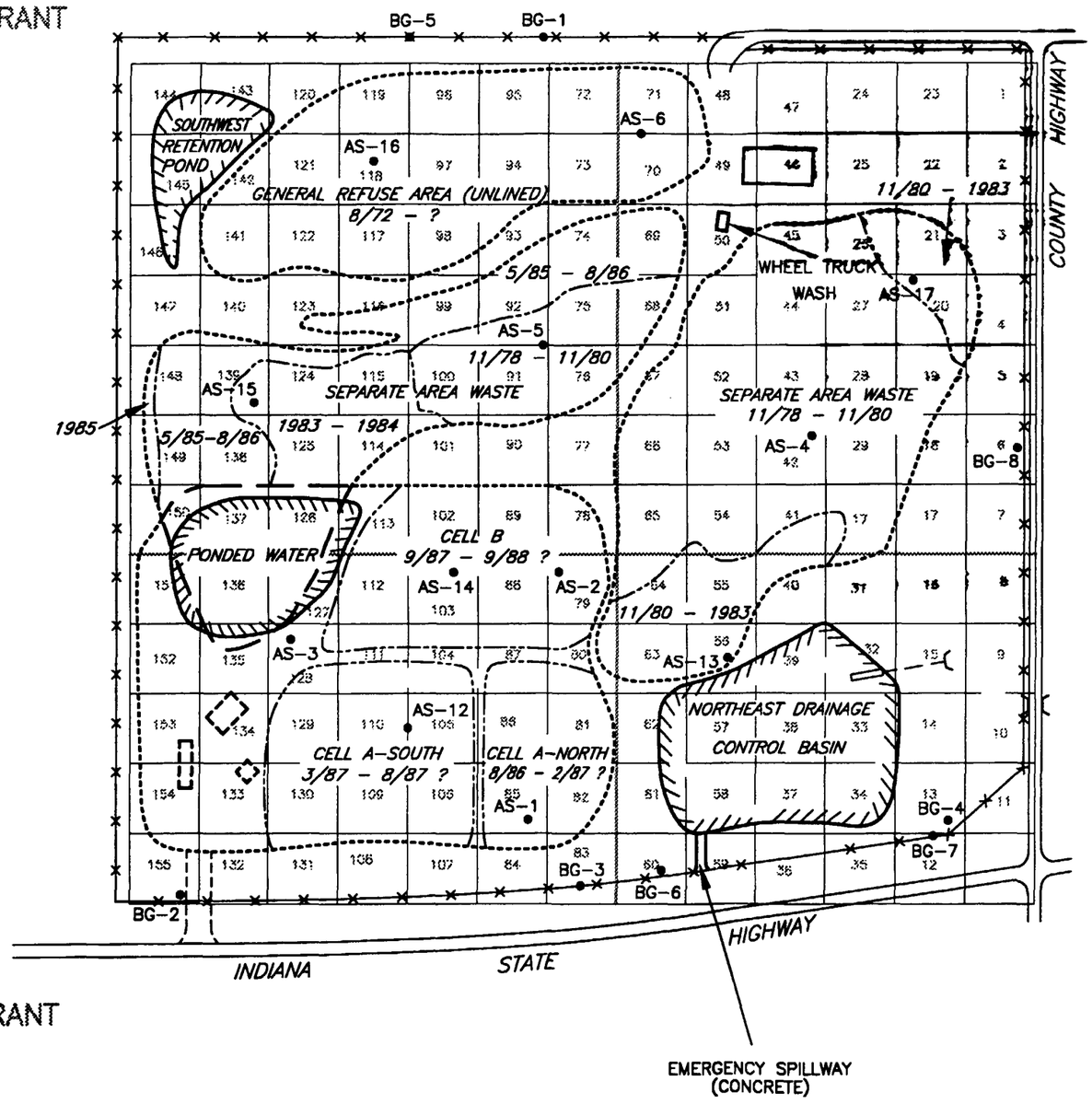
Fulton County, Indiana

CRA

5369(11) JAN. 31, 96-REV.0-(C)(P122)

SOUTHWEST QUADRANT

NORTHWEST QUADRANT



SOUTHEAST QUADRANT

NORTHEAST QUADRANT

EMERGENCY SPILLWAY (CONCRETE)

0 100 200ft

SOURCE:
MODIFICATION OF A SITE MAP (4/15/91) OBTAINED FROM GEOSCIENCES RESEARCH ASSOCIATES, INC.

LEGEND

155 BLOCK NUMBERS OF GRID

FENCE LINE

AS-1 ● AIR SAMPLING LOCATION AND IDENTIFIER

NOTES: 1. SITE GRID = 100 FEET.

2. AIR SAMPLING ACTIVITIES AT LOCATION AS-14 WERE CONDUCTED IN AUGUST OF 1994.

figure J.4

ON-SITE AIR SAMPLING LOCATIONS
FOUR COUNTY LANDFILL SITE
Fulton County, Indiana

CRA

5369(11) JAN. 31, 96-REV.0-(C)(P123)

TABLE J.1

SAMPLE SETS FOR GROUNDWATER SCENARIOS
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

CURRENT CONDITIONS		FUTURE CONDITIONS	
Downgradient Wells		Downgradient Wells	
Units B and C	Unit A		
MW-21L	P-1A	MW-20	P-2B
MW-21M	P-2A	MW-21L	P-2C2
MW-21S	P-8A	MW-21M	P-30C1
MW-23B	P-10	MW-21S	P-30C2
MW-25B	P-11A	MW-23B	P-30C3
MW-26	P-12A	MW-24B	P-30C4
MW-27B	P-13A	MW-25B	P-31C1
MW-30B	P-14A	MW-26	P-31C2
MW-31B	P-25A	MW-27B	P-31C3
MW-32B	P-26A	MW-28B	P-31C4
P-23C1	P-27A	MW-29B	P-32C2
P-23C2	P-28A	MW-30B	P-34*B
P-23C3	P-29A	MW-31B	P-34*C1
P-23C4	P-31A	MW-32B	P-34*C2
P-25C2	P-32A	MW-33B	P-34*C3
P-27C1	P-33A	MW-8	P-34*C4
P-27C2	P-34*A	P-1	P-4B
P-27C3		P-23C1	P-4C1
P-27C4		P-23C2	P-4C2
P-30C1		P-23C3	P-4C3
P-30C2		P-23C4	P-4C4
P-30C3		P-24C1	P-5B
P-30C4		P-24C2	P-5C1
P-31C1		P-24C3	P-5C2
P-31C2		P-24C4	P-5C3
P-31C3		P-25C2	P-5C4
P-31C4		P-27C1	P-7B
P-32C2		P-27C2	P-8B
P-7B		P-27C3	P-8C1
P-8B		P-27C4	P-8C2
P-8C1		P-28C1	P-8C3
P-8C2		P-28C2	P-8C4
P-8C3		P-28C3	
P-8C4		P-29C2	
34 SAMPLES ***	28 SAMPLES**	66 SAMPLES ***	

*** ACTUAL NUMBER OF SAMPLES IS LARGER THAN THE NUMBER OF WELLS SINCE MORE THAN ONE SAMPLE WAS COLLECTED FROM A FEW WELLS.

SUMMARY OF DETECTED COMPOUNDS IN ON-SITE GROUNDWATER FOR FUTURE USE SCENARIO
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

Location:	MW-8	MW-20	MW-21L	MW-21M	MW-21M	MW-21S	MW-21S	MW-23B	MW-24B	MW-25B	MW-26	MW-26	MW-27B	MW-28B	MW-29B	MW-30B	MW-31B
Sample I.D.:	*GW-WP-087*	*GW-WP-055*	*GW-WP-025*	*GW-WP-003*	*GW-WP-005*	*GW-WP-013*	*GW-WP-015*	*GW-WP-026*	*GW-WP-048*	*GW-WP-007*	*GW-WP-066*	*GW-WP-068*	*GW-WP-010*	*GW-WP-020*	*GW-WP-023*	*GW-WP-032*	*GW-WP-052*
					DUP		DUP					DUP					
PARAMETER																	
VOCs (ug/L)																	
Acetone	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
Benzene	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
Bromodichloromethane	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
Chloroethane	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	9.7	ND(1)	ND(1)
Chloroform	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1-Dichloroethane	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	6.1	ND(1)	ND(1)
1,2-Dichloroethane	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(1)	ND(1)
cis-1,2-Dichloroethene	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
Dichloromethane	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
Tetrachloroethene	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	2.7J	3.8J	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,2-Trichloroethane	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
Trichloroethene	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
Toluene	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
Vinyl Chloride	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
Xylenes (total)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
SVOCs (ug/L)																	
Bis(2-ethylhexyl)phthalate	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
METALS (mg/L)																	
Aluminum	ND(0.05)	6.1	1.1	30J	ND(0.05)	0.66	0.84	14	12	ND(0.05)	13J	10J	170	46	6.9	ND(0.05)	1.4
Arsenic	ND(0.005)	0.018	0.0062	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.013	0.025	0.029	0.012J	0.0087J	0.068	0.032	0.0084	0.053	ND(0.005)
Barium	0.11	0.11R	0.16	0.055	0.055	0.036	0.036	0.17	0.14R	0.16	0.12	0.11	0.41	0.19	0.1	0.075	0.05
Beryllium	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.0059	ND(0.005)	ND(0.005)	ND(0.005)
Cadmium	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Calcium	83	120	84	81	80	100	100	270	160	370	210	170	2000	380	160	240	210
Chromium	ND(0.01)	0.08	0.018	ND(0.01)	ND(0.01)	0.015	0.017	0.068	0.078	0.23	0.057J	0.04J	0.095	0.1	0.048	0.04	ND(0.01)
Cobalt	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	0.022	ND(0.01)	0.032	0.012J	ND(0.01)	0.066	0.049	0.015	ND(0.01)	ND(0.01)
Copper	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02)	0.027	0.024	0.05	0.02J	ND(0.02)	0.15	0.08	ND(0.02)	ND(0.02)	ND(0.02)
Iron	3.3	19	3.1	2.5	2.5	1.4	1.7	54	30	68	26	21	140	96	19	1.4	7.6
Lead	ND(0.003)	0.012	ND(0.003)	0.018J	0.0053J	ND(0.003)	0.0052	0.051	0.036	0.064	0.027J	0.02J	0.11	0.076	0.021	0.017	0.012
Magnesium	28	49	31	28	27	77	77	99	73	190	86	69	550	180	71	89	100
Manganese	0.044	0.99	0.13	0.07	0.069	0.48	0.5	1.4	0.69	2.1	0.76J	0.58J	8.6	2.5	0.95	1.6	0.72
Mercury	ND(0.0005)	ND(0.0002)	ND(0.0002)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0002)	ND(0.0002)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0002)	ND(0.0002)	ND(0.0002)	ND(0.0002)
Nickel	ND(0.01)	0.069	0.021	ND(0.01)	ND(0.01)	0.024	0.03	0.056	0.059	0.17	0.058	0.049	0.15	0.13	0.048	0.043R	0.012
Potassium	1.1	3.7	1.6	1.1	1.1	2.3	2.3	7.4	5.4	11	6.1	5	14	15	6.1	4.5	2.4
Silver	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Sodium	4.3J	5.9	5.8	2.9	2.9	8.4	8.2	9.8	5.6	6.5	5	4.2	16	12	14	12	4.9
Thallium	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Vanadium	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	0.032	0.023	0.055	0.023	0.019	0.11	0.078	0.017	0.015	ND(0.01)
Zinc	2.5	0.07R	0.084	0.04J	0.02J	0.04J	0.032J	0.2R	0.2	0.29J	0.18	0.15	0.57J	0.42	0.11	0.082R	0.062R

Notes:
DUP = Duplicate sample
J = Associated value is estimated
NA = Not Analyzed
ND(x) = Not Detected at associated detection limit
R = Rejected value

SUMMARY OF DETECTED COMPOUNDS IN ON-SITE GROUNDWATER FOR FUTURE USE SCENARIO
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

Location:	MW-32B	MW-33B	MW-33B	P-1	P-2B	P-2B DIL	P-2C2	P-2C2 DIL	P-4B	P-4C1	P-4C2	P-4C3	P-5B	P-5C1	P-5C2	P-5C2	P-5C2
Sample I.D.:	GW-WP-058	GW-WP-074	GW-WP-076 DUP	GW-WP-088	GW-WP-079	GW-WP-079	GW-WP-081	GW-WP-081	GW-WP-004	GW-WP-006	GW-WP-008	GW-SC-49	GW-WP-040	GW-WP-057	GW-WP-059	GW-CS-018	GW-CS-019 DUP
PARAMETER																	
VOCs (ug/L)																	
Acetone	ND(10)	210J	35	33	ND(10)	-	ND(10)	-	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	NA	NA
Benzene	ND(1.6)	ND(1)	ND(1)	ND(1)	-	190	-	1900J	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NA	NA
Bromodichloromethane	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	-	ND(1)	-	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NA	NA
Chloroethane	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	-	ND(1)	-	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NA	NA
Chloroform	ND(1)	1.4J	ND(1)	ND(1)	6.8	-	20J	-	ND(1)	ND(1)	ND(1)	2..2	ND(1)	ND(1)	ND(1)	NA	NA
1,1-Dichloroethane	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	-	ND(1)	-	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NA	NA
1,2-Dichloroethane	ND(4.1)	3.4J	6.1J	ND(1)	-	120	-	1300J	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NA	NA
cis-1,2-Dichloroethene	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	-	1.5J	-	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NA	NA
Dichloromethane	ND(1)	ND(1)	ND(1)	ND(1)	13	-	63J	-	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NA	NA
Tetrachloroethene	ND(1)	ND(1)	ND(1)	ND(1)	3	-	6.4J	-	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NA	NA
1,1,2-Trichloroethane	ND(1)	ND(1)	ND(1)	ND(1)	1.7	-	5.1J	-	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NA	NA
Trichloroethene	ND(1)	ND(1)	ND(1)	ND(1)	1.4	-	25J	-	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NA	NA
Toluene	ND(1)	ND(1)	ND(1)	ND(1)	11J	-	23J	-	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NA	NA
Vinyl Chloride	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	-	6.4J	-	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NA	NA
Xylenes (total)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	-	1.3J	-	ND(1)	ND(1)	ND(1)	NA	ND(1)	ND(1)	ND(1)	NA	NA
SVOCs (ug/L)																	
Bis(2-ethylhexyl)phthalate	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	NA	ND(10)	NA	ND(10)	ND(10)	ND(10)	NA	ND(10)	ND(10)	340	ND(10)	ND(10)
METALS (mg/L)																	
Aluminum	3.3	18J	17J	160	0.42	NA	3.7	NA	57	47	0.2	NA	ND(0.05)	0.14	0.72	NA	NA
Arsenic	ND(0.005)	0.02	0.017	0.087	0.022	NA	0.011	NA	0.076	0.04	ND(0.005)	ND(0.01)	0.068	0.0062	ND(0.005)	NA	NA
Barium	0.068	0.17	0.16	0.72	0.17	NA	0.083	NA	0.34	0.25	0.065	0.37	0.32	0.08R	0.065R	NA	NA
Beryllium	ND(0.005)	ND(0.005)	ND(0.005)	0.008J	ND(0.005)	NA	ND(0.005)	NA	0.0054	0.0054	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	NA	NA
Cadmium	ND(0.005)	0.013	0.015	ND(0.005)	ND(0.005)	NA	ND(0.005)	NA	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	NA	NA
Calcium	200	350	300	1100	100	NA	100	NA	840	530	78	NA	970	110	90	NA	NA
Chromium	0.021	0.12	0.11	0.29	ND(0.01)	NA	0.016	NA	0.15	0.12	ND(0.01)	ND(0.01)	0.13	ND(0.01)	ND(0.01)	NA	NA
Cobalt	ND(0.01)	0.025	0.02	0.15	ND(0.01)	NA	ND(0.01)	NA	0.063	0.051	ND(0.01)	NA	0.07	ND(0.01)	ND(0.01)	NA	NA
Copper	ND(0.02)	0.073	0.067	0.52	ND(0.02)	NA	ND(0.02)	NA	0.15	0.091	ND(0.02)	NA	0.18	ND(0.02)	ND(0.02)	NA	NA
Iron	9.8	52	46	320	2.7	NA	7.9	NA	170	110	2.3	NA	0.059R	3.7	3.5	NA	NA
Lead	0.012	0.043	0.046	0.29	ND(0.003)	NA	0.0052	NA	0.11	0.091	0.015	0.0058	0.14	ND(0.003)	0.0084	NA	NA
Magnesium	96	160	140	380	50	NA	40	NA	390	220	26	NA	430	39	31	NA	NA
Manganese	0.61	2.2	1.8	5.7	0.065	NA	0.24	NA	4.9	2.9	0.095	NA	5.8	1.2	0.11	NA	NA
Mercury	ND(0.0002)	ND(0.0005)	ND(0.0005)	0.00023	ND(0.0005)	NA	ND(0.0005)	NA	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0002)	ND(0.0002)	ND(0.0002)	ND(0.0002)	NA	NA
Nickel	0.028	0.1	0.1	0.42	ND(0.01)	NA	0.019	NA	0.17	0.13	ND(0.01)	ND(0.04)	0.16	ND(0.01)	ND(0.01)	NA	NA
Potassium	2.5	6.8	7.1	46	2.8	NA	2.2	NA	17	14	1.1	NA	15	1	1	NA	NA
Silver	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	NA	ND(0.01)	NA	ND(0.01)	ND(0.01)	ND(0.01)	NA	ND(0.01)	ND(0.01)	ND(0.01)	NA	NA
Sodium	5.6	4.3J	4.4J	7.4	8.8	NA	4	NA	67	4.6	2.9	NA	5.3	4.9	2.9	NA	NA
Thallium	ND(0.01)	ND(0.01)	ND(0.01)	0.017	ND(0.01)	NA	ND(0.01)	NA	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	NA	NA
Vanadium	ND(0.01)	0.041	0.036	0.27	ND(0.01)	NA	ND(0.01)	NA	0.11	0.09	ND(0.01)	NA	0.12	ND(0.01)	ND(0.01)	NA	NA
Zinc	0.048R	0.24	0.21	1.9	ND(0.02)	NA	0.039R	NA	0.54	0.4	0.027J	NA	0.58	ND(0.02)	ND(0.02)	NA	NA

Notes:
DUP = Duplicate sample
J = Associated value is estim
NA = Not Analyzed
ND(x) = Not Detected at ass
R = Rejected value

SUMMARY OF DETECTED COMPOUNDS IN ON-SITE GROUNDWATER FOR FUTURE USE SCENARIO
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

Location:	P-5C3	P-5C4	P-7B	P-8B	P-8B	P-8C1	P-8C2	P-8C3	P-8C4	P-8C4	P-23C1	P-23C2	P-23C3	P-23C4	P-24C1	P-24C2	P-24C2
Sample I.D.:	GW-SC-040	GW-SC-44	GW-WP-017	GW-WP-034	GW-WP-036 DUP	GW-WP-047	GW-WP-051	GW-SC-028	GW-SC-30	GW-SC-32 DUP	GW-WP-028	GW-WP-030	GW-SC-026	GW-SC-024	GW-WP-065	GW-WP-063	GW-SC-016
PARAMETER																	
VOCs (ug/L)																	
Acetone	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	28	ND(10)
Benzene	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
Bromodichloromethane	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
Chloroethane	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
Chloroform	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1-Dichloroethane	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-Dichloroethane	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
cis-1,2-Dichloroethene	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
Dichloromethane	1.3	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	1.4	1.2J	1.1J	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
Tetrachloroethene	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,2-Trichloroethane	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
Trichloroethene	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
Toluene	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
Vinyl Chloride	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
Xylenes (total)	NA	NA	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NA	NA	NA	ND(1)	ND(1)	NA	NA	ND(1)	ND(1)	ND(1)
SVOCs (ug/L)																	
Bis(2-ethylhexyl)phthalate	NA	NA	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	NA	NA	NA	ND(10)	ND(10)	NA	NA	ND(10)	29	NA
METALS (mg/L)																	
Aluminum	NA	NA	24	ND(0.05)	ND(0.05)	ND(0.05)	1.5	NA	NA	NA	0.37	4.2	NA	NA	0.24	1.2	NA
Arsenic	ND(0.01)	0.016	0.02	0.015	0.013	ND(0.005)	0.0094	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.005)	0.013	0.016	0.01	0.0052	0.006	NA
Barium	ND(0.2)	ND(0.2)	0.25	0.054	0.05	0.05	0.071R	ND(0.2)	ND(0.2)	ND(0.2)	0.049	0.12	ND(0.2)	ND(0.2)	0.064	0.059	NA
Beryllium	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	NA
Cadmium	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	NA
Calcium	NA	NA	400	170	180	120	100	NA	NA	NA	92	110	NA	NA	81	77	NA
Chromium	0.036	0.025	0.05	0.011J	0.038J	ND(0.01)	0.02	ND(0.01)	0.011	0.012	ND(0.01)	0.18	0.024	ND(0.01)	ND(0.01)	0.018	NA
Cobalt	NA	NA	0.023	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	NA	NA	NA	ND(0.01)	0.011	NA	NA	ND(0.01)	ND(0.01)	NA
Copper	NA	NA	0.062	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02)	NA	NA	NA	ND(0.02)	ND(0.02)	NA	NA	ND(0.02)	ND(0.02)	NA
Iron	NA	NA	57	0.66	0.74	3.5	6.2	NA	NA	NA	1.9	10	NA	NA	1.4	2.7	NA
Lead	0.0053	0.018	0.044	0.022	0.021	ND(0.003)	0.0034	ND(0.003)	ND(0.003)	ND(0.003)	ND(0.003)	ND(0.003)	0.0043	ND(0.003)	ND(0.003)	0.0041	NA
Magnesium	NA	NA	200	42	44	41	36	NA	NA	NA	38	40	NA	NA	31	28	NA
Manganese	NA	NA	1.8	1.5	1.5	0.38	0.19	NA	NA	NA	0.074	0.24	NA	NA	0.086	0.16	NA
Mercury	ND(0.0002)	ND(0.0002)	ND(0.0002)	ND(0.0002)	ND(0.0002)	ND(0.0002)	ND(0.0002)	ND(0.0002)	ND(0.0002)	ND(0.0002)	ND(0.0005)	ND(0.0005)	ND(0.0002)	ND(0.0002)	ND(0.0002)	ND(0.0002)	NA
Nickel	ND(0.04)	ND(0.04)	0.067	0.028R	0.042R	ND(0.01)	0.013	ND(0.04)	ND(0.04)	ND(0.04)	0.011	0.14	ND(0.04)	ND(0.04)	ND(0.01)	0.017	NA
Potassium	NA	NA	10	3.8	3.7	1.9	1.5	NA	NA	NA	1.3	2.3	NA	NA	1	1.3	NA
Silver	NA	NA	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	NA	NA	NA	ND(0.01)	ND(0.01)	NA	NA	ND(0.01)	ND(0.01)	NA
Sodium	NA	NA	110	5.2	5.1	12	4.1	NA	NA	NA	3.6	4.6	NA	NA	4.1	4.1	NA
Thallium	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	NA
Vanadium	NA	NA	0.051	0.012	0.012	ND(0.01)	ND(0.01)	NA	NA	NA	ND(0.01)	ND(0.01)	NA	NA	ND(0.01)	ND(0.01)	NA
Zinc	NA	NA	0.23	0.096R	0.096R	ND(0.02)	0.039R	NA	NA	NA	ND(0.02)	0.037	NA	NA	ND(0.02)	0.038	NA

Notes:
DUP = Duplicate sample
J = Associated value is estim
NA = Not Analyzed
ND(x) = Not Detected at ass
R = Rejected value

TABLE J.2

SUMMARY OF DETECTED COMPOUNDS IN ON-SITE GROUNDWATER FOR FUTURE USE SCENARIO
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

Location:	P-24C3	P-24C4	P-25C2	P-27C1	P-27C2	P-27C3	P-27C4	P-28C1	P-28C2	P-28C3	P-29C2	P-30C1	P-30C2	P-30C3	P-30C3	P-30C4	P-31C1
Sample I.D.:	GW-SC-47	GW-SC-043	GW-WP-011	GW-WP-012	GW-WP-014	GW-SC-057	GW-SC-53	GW-WP-022	GW-WP-024	GW-SC-46	GW-WP-049	GW-WP-045	GW-WP-043	GW-SC-027	GW-SC-029 DUP	GW-SC-025	GW-WP-067
PARAMETER																	
VOCs (ug/L)																	
Acetone	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
Benzene	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(5.3)
Bromodichloromethane	1.6	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
Chloroethane	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
Chloroform	5.8	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	1.1J
1,1-Dichloroethane	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-Dichloroethane	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(13)
cis-1,2-Dichloroethene	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
Dichloromethane	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	1.1J	1.2	ND(1)	ND(5.2)
Tetrachloroethene	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,2-Trichloroethane	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
Trichloroethene	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
Toluene	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
Vinyl Chloride	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
Xylenes (total)	NA	NA	ND(1)	ND(1)	ND(1)	NA	NA	ND(1)	ND(1)	NA	ND(1)	ND(1)	ND(1)	NA	NA	NA	ND(1)
SVOCs (ug/L)																	
Bis(2-ethylhexyl)phthalate	NA	NA	ND(10)	ND(10)	ND(10)	NA	NA	ND(10)	ND(10)	NA	ND(10)	ND(10)	ND(10)	NA	NA	NA	ND(10)
METALS (mg/L)																	
Aluminum	NA	NA	28	1.6	ND(0.05)	NA	NA	ND(0.05)	17	NA	ND(0.05)	ND(0.05)	ND(0.05)	NA	NA	NA	0.064
Arsenic	ND(0.01)	0.021	0.017	0.0052	ND(0.005)	ND(0.01)	0.01	ND(0.005)	0.018	ND(0.01)	0.0073	ND(0.005)	0.01	0.011	ND(0.01)	0.012	ND(0.005)
Barium	ND(0.2)	ND(0.2)	0.16	0.065	0.041	ND(0.2)	ND(0.2)	0.041	0.13	ND(0.2)	0.071	0.037	0.11	ND(0.2)	ND(0.2)	ND(0.2)	0.06
Beryllium	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Cadmium	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Calcium	NA	NA	240	75	78	NA	NA	89	210	NA	94	89	86	NA	NA	NA	96
Chromium	0.012	0.05	0.11	0.011	ND(0.01)	ND(0.01)	0.021	0.033	0.28	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	0.01	ND(0.01)
Cobalt	NA	NA	0.027	ND(0.01)	ND(0.01)	NA	NA	ND(0.01)	0.029	NA	ND(0.01)	ND(0.01)	ND(0.01)	NA	NA	NA	ND(0.01)
Copper	NA	NA	0.057	ND(0.02)	ND(0.02)	NA	NA	ND(0.02)	0.032	NA	ND(0.02)	ND(0.02)	ND(0.02)	NA	NA	NA	ND(0.02)
Iron	NA	NA	49	3.6	2.1	NA	NA	0.16R	38	NA	1.1	0.89	2.8	NA	NA	NA	0.7
Lead	ND(0.003)	0.042	0.055	0.0063	ND(0.003)	ND(0.003)	0.014	ND(0.003)	0.05	ND(0.003)	ND(0.003)	ND(0.003)	ND(0.003)	ND(0.003)	ND(0.003)	0.01	ND(0.003)
Magnesium	NA	NA	100	43	26	NA	NA	44	91	NA	35	38	28	NA	NA	NA	35
Manganese	NA	NA	1.4	0.2	0.079	NA	NA	0.29	1.2	NA	0.21	0.061	0.072	NA	NA	NA	0.047
Mercury	ND(0.0002)	ND(0.0002)	ND(0.0002)	ND(0.0005)	ND(0.0005)	ND(0.0002)	ND(0.0002)	ND(0.0002)	ND(0.0002)	ND(0.0002)	ND(0.0002)	ND(0.0002)	ND(0.0002)	ND(0.0002)	ND(0.0002)	ND(0.0002)	ND(0.0002)
Nickel	ND(0.04)	0.069	0.1	0.016	ND(0.01)	ND(0.04)	ND(0.04)	0.029R	0.22	ND(0.04)	0.011R	ND(0.01)	0.014R	ND(0.04)	ND(0.04)	ND(0.04)	ND(0.01)
Potassium	NA	NA	8.5	1.8	1.2	NA	NA	1.4	5.4	NA	1.3	0.89	0.98	NA	NA	NA	2.8
Silver	NA	NA	ND(0.01)	ND(0.01)	ND(0.01)	NA	NA	ND(0.01)	ND(0.01)	NA	ND(0.01)	ND(0.01)	ND(0.01)	NA	NA	NA	ND(0.01)
Sodium	NA	NA	4.3	4.6	2.6	NA	NA	6.8	4	NA	4.3	3.6	4.6	NA	NA	NA	9.1
Thallium	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Vanadium	NA	NA	0.041	ND(0.01)	ND(0.01)	NA	NA	ND(0.01)	0.03	NA	ND(0.01)	ND(0.01)	ND(0.01)	NA	NA	NA	ND(0.01)
Zinc	NA	NA	0.022	0.027	ND(0.02)	NA	NA	0.026R	0.056	NA	ND(0.02)	ND(0.02)	ND(0.02)	NA	NA	NA	0.021

Notes:
DUP = Duplicate sample
J = Associated value is estim
NA = Not Analyzed
ND(x) = Not Detected at ass
R = Rejected value

SUMMARY OF DETECTED COMPOUNDS IN ON-SITE GROUNDWATER FOR FUTURE USE SCENARIO
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

Location:	P-31C1	P-31C2	P-31C2	P-31C3	P-31C4	P-32C2	P-34*B	P-34*C1	P-34*C1	P-34*C2	P-34*C3	P-34*C4	TOTAL	POSITIVE	MEAN
Sample I.D.:	GW-SC-004	GW-WP-077	GW-SC-022	GW-SC-021	GW-SC-020	GW-WP-069	GW-WP-062	GW-WP-073	GW-WP-075 DUP	GW-WP-071	GW-SC-039	GW-SC-035	SAMPLES	DETECTS	
PARAMETER															
VOCs (ug/L)															
Acetone	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	68	3	7.48
Benzene	1	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	68	3	31.26
Bromodichloromethane	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	68	1	0.52
Chloroethane	ND(1)	1	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	68	2	0.64
Chloroform	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	68	6	1.00
1,1-Dichloroethane	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	68	1	0.58
1,2-Dichloroethane	ND(1)	100	170	360	1.7J	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	68	8	30.82
cis-1,2-Dichloroethene	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	68	1	0.51
Dichloromethane	ND(1)	ND(1)	ND(1)	1	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	68	7	1.69
Tetrachloroethene	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	68	3	0.66
1,1,2-Trichloroethane	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	68	2	0.59
Trichloroethene	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	68	2	0.87
Toluene	ND(1)	ND(1)	1.3	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	68	3	1.00
Vinyl Chloride	ND(1)	1	ND(1)	2.4	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	68	3	0.62
Xylenes (total)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NA	NA	52	1	0.52
SVOCs (ug/L)															
Bis(2-ethylhexyl)phthalate	NA	ND(10)	NA	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	NA	NA	50	2	12.33
METALS (mg/L)															
Aluminum	NA	0.18	NA	0.12	ND(0.05)	ND(0.05)	21	0.0079J	0.29J	0.31	NA	NA	49	36	13.78
Arsenic	NA	0.011	NA	0.01	0.015	0.0097	0.018	0.013	0.013	0.0092	ND(0.01)	0.018	65	44	0.015
Barium	NA	0.11	NA	0.12	0.14	0.1	0.22	0.1J	0.1	0.087	ND(0.2)	ND(0.2)	60	45	0.13
Beryllium	NA	ND(0.005)	NA	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	65	4	0.0027
Cadmium	NA	ND(0.005)	NA	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	65	1	0.0027
Calcium	NA	94	NA	96	90	85	420	90	90	92	NA	NA	49	49	246.32
Chromium	NA	ND(0.01)	NA	ND(0.01)	ND(0.01)	ND(0.01)	0.042	0.028	0.029	0.013	ND(0.01)	0.036	65	37	0.044
Cobalt	NA	ND(0.01)	NA	ND(0.01)	ND(0.01)	ND(0.01)	0.025	ND(0.01)	ND(0.01)	ND(0.01)	NA	NA	49	16	0.017
Copper	NA	ND(0.02)	NA	ND(0.02)	ND(0.02)	ND(0.02)	0.046	ND(0.02)	ND(0.02)	ND(0.02)	NA	NA	49	15	0.039
Iron	NA	2.7	NA	3.3	2.4	3.3	47	1.9	1.9	3.1	NA	NA	47	47	29.64
Lead	NA	ND(0.003)	NA	ND(0.003)	ND(0.003)	ND(0.003)	0.039	ND(0.00006)	ND(0.003)	ND(0.005)	0.0038	0.028	65	38	0.024
Magnesium	NA	35	NA	31	29	29	180	37	37	31	NA	NA	49	49	97.20
Manganese	NA	0.065	NA	0.058	0.061	0.061	1.9	0.2	0.2	0.13	NA	NA	49	49	1.12
Mercury	NA	ND(0.0005)	NA	ND(0.0002)	ND(0.0002)	ND(0.0002)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0002)	ND(0.0002)	65	1	0.00015
Nickel	NA	ND(0.01)	NA	ND(0.01)	ND(0.01)	ND(0.01)	0.066	0.026	0.025	0.015	ND(0.04)	ND(0.04)	60	29	0.049
Potassium	NA	1.6	NA	1	0.97	0.94	9.5	1.6	1.8	1.3	NA	NA	49	49	5.20
Silver	NA	ND(0.01)	NA	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.005)	ND(0.01)	0.012	NA	NA	49	1	0.0051
Sodium	NA	7	NA	5.4	5.2	4	27	5.9	6	4.3	NA	NA	49	49	9.87
Thallium	NA	ND(0.01)	NA	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	65	1	0.0052
Vanadium	NA	ND(0.01)	NA	ND(0.01)	ND(0.01)	ND(0.01)	0.039	ND(0.01)	ND(0.01)	ND(0.01)	NA	NA	49	18	0.027
Zinc	NA	0.025	NA	0.027	ND(0.02)	0.021	0.022	0.054J	ND(0.02)	0.024	NA	NA	35	25	0.22

Notes:
DUP = Duplicate sample
J = Associated value is estim
NA = Not Analyzed
ND(x) = Not Detected at ass
R = Rejected value

TABLE J.3

DETECTION FREQUENCY, MEAN, RANGE AND DETERMINATION OF COCs IN DETECTED COMPOUNDS ON-SITE GROUND WATER \FUTURE USE SCENARIO FOUR COUNTY LANDFILL SITE FULTON COUNTY, INDIANA

	FREQUENCY OF DETECTION (1)	*MEAN CONC.* (2)	*RANGE*	*BACKGROUND MEAN CONC.*	*COCs*	
VOCs (ug/L)						
Acetone	3/68	7.48	28 - 210J	NA		
Benzene	3/68	31.26	1 - 1900J	NA	X	
Bromodichloromethane	1/68	0.52	1.6	NA		
Chloroethane	2/68	0.64	1 - 9.7	NA		
Chloroform	6/68	1.00	1.1J - 20J	NA	X	
1,1-Dichloroethane	1/68	0.58	6.1	NA		
1,2-Dichloroethane	8/68	30.82	1.7J - 1300J	NA	X	
cis-1,2-Dichloroethene	1/68	0.51	1.5J	NA		
Dichloromethane	7/68	1.69	1 - 63J	NA	X	
Tetrachloroethene	3/68	0.66	2.7J - 3.8J	NA		
1,1,2-Trichloroethane	2/68	0.59	1.7 - 5.1J	NA		
Trichloroethene	2/68	0.87	1.4 - 25J	NA	X	
Toluene	3/68	1.00	1.3 - 23J	NA		
Vinyl Chloride	3/68	0.62	1 - 6.4J	NA	X	
Xylenes (total)	1/52	0.52	1.3J	NA		
SVOCs (ug/L)						
Bis(2-ethylhexyl)phthalate	2/50	12.33	29 - 340	NA		
METALS (mg/L)						
Aluminum	36/49	13.78	0.0079J - 170	NA		
Arsenic	44/65	0.015	0.0052 - 0.087	NA	X	
Barium	45/60	0.13	0.036 - 0.72	NA	X	
Beryllium	4/65	0.0027	0.0054 - 0.008J	NA	X	
Cadmium	1/65	0.0027	0.013 - 0.015	NA		
Calcium	49/49	246	75 - 2000	NA		
Chromium	37/65	0.044	0.01 - 0.29	NA	X	
Cobalt	16/49	0.017	0.011 - 0.15	NA	X	
Copper	15/49	0.039	0.02J - 0.52	NA	X	
Iron	47/47	29.64	0.66 - 320	NA		47/47
Lead	38/65	0.024	0.0034 - 0.29	NA	X	
Magnesium	49/49	97	26 - 550	NA		49/49
Manganese	49/49	1.12	0.044 - 8.6	NA	X	49/49
Mercury	1/65	0.00015	0.00023	NA		
Nickel	29/60	0.049	0.011 - 0.42	NA	X	
Potassium	49/49	5.2	0.89 - 46	NA		49/49
Selenium				NA		
Silver	1/49	0.0051	0.012	NA		
Sodium	49/49	9.87	2.6 - 110	NA		49/49
Thallium	1/65	0.0052	0.017	NA		
Vanadium	18/49	0.027	0.015 - 0.27	NA	X	
Zinc	25/35	0.22	0.02J - 1.9	NA	X	

Notes:

NA = Not Avaiable

J = Associate Value is an Estimate.

(1) Detection frequency is the number of detected samples versus the total number of samples analyzed.

(2) Arithmetic mean concentrations including non-detects at one half the detection limit.

SUMMARY OF DETECTED COMPOUNDS IN ON-SITE GROUNDWATER - UNIT A/CURRENT USE SCENARIO
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

Location:	P-1A	P-2A	P-2A	P-8A	P-11A	P-11A	P-11A	P-12A	P-13A	P-14A	P-24A	P-25A	P-25A	P-25A	P-26A
Sample ID:	GW-P-044	GW-WP-054	GW-WP-054	GW-WP-042	GW-WP-089	GW-SC-010	GW-SC-011	GW-WP-082	GW-WP-080	GW-WP-064	GW-WP-046	GW-WP-009	GW-SC-006	GW-SC-007	GW-WP-070
	6/8/94	6/7/94	6/7/94	6/8/94	6/9/94	4/26/95	4/26/95	6/8/94	6/8/94	6/7/94	6/6/94	6/1/94	4/26/95	4/26/95	6/8/94
			DUP				DUP							DUP	
PARAMETER															
VOCs (ug/L)															
1,1,2,2-Tetrachloroethane	ND (1)	ND(0.01)	ND(0.01)	ND(1)	ND(1)	NA	NA	ND(1000) J	ND(10000) J	ND(5000) J	ND(1)	ND(1)	ND(1)	ND(1)	ND(5000) J
1,1,2-Trichloroethane	ND (1)	18000J	11000J	ND(1)	ND(1)	NA	NA	1600J	11000	ND(5000) J	ND(1)	ND(1)	ND(1)	ND(1)	ND(5000) J
1,1-Dichloroethane	ND	ND(5000)	ND(0.01)	ND(1)	ND(1)	NA	NA	ND(1000) J	ND(10000) J	ND(5000) J	ND(1)	ND(1)	ND(1)	ND(1)	ND(5000) J
1,2-Dichloroethane	ND(1) J	630000J	380000J	ND(1)	ND(1)	NA	NA	44000J	630000	ND(5000) J	ND(1)	ND(1)	ND(1)	ND(1)	10000J
2-Butanone	ND(10)	ND(50000)	ND(50000)	ND(10)	ND(10)	NA	NA	ND(10000) J	ND(100000) J	ND(50000) J	ND(10)	ND(10)	ND(10)	ND(10)	ND(5000) J
4-Methyl-2-pentanone	ND(10)	20000J	ND(50000) J	ND(10)	ND(10)	NA	NA	ND(10000) J	ND(100000) J	ND(50000) J	ND(10)	ND(10)	ND(10)	ND(10)	ND(50000) J
Acetone	ND(10)	ND(50000)	ND(50000)	ND(10)	140	NA	NA	ND(10000) J	180000	ND(50000) J	ND(10)	74	ND(10)	ND(10)	ND(50000) J
Benzene	ND(1) J	750000J	520000J	ND(1) J	ND(1)	NA	NA	47000J	190000	ND(5000) J	ND(1)	ND(1)	ND(1)	ND(1)	7000J
Carbon Tetrachloride	ND (1)	ND(5000)	ND(5000)	ND(1)	8.7	NA	NA	ND(1000) J	60000	63000J	ND(1)	ND(1)	ND(1)	ND(1)	ND(5000) J
Chloroethane	ND (1)	ND(5000)	ND(5000)	ND(1)	ND(1)	NA	NA	ND(1000) J	ND(10000) J	ND(5000) J	ND(1)	ND(1)	ND(1)	ND(1)	ND(5000) J
Chloroform	ND (1)	180000J	120000J	ND(1)	6.8	NA	NA	51000J	150000	8000J	ND(1)	ND(1)	ND(1)	ND(1)	ND(5000) J
Dichloromethane	ND (1)	21000J	210000J	ND(1)	ND(1)	NA	NA	8200J	190000	ND(5000) J	ND(1)	ND(1)	ND(1)	ND(1)	ND(5000) J
Tetrachloroethene	ND (1)	8100J	5100J	ND(1)	ND(1)	NA	NA	1900J	ND(10000) J	ND(5000) J	ND(1)	ND(1)	ND(1)	ND(1)	ND(5000) J
Toluene	ND (1)	32000J	20000J	ND(1)	ND(1)	NA	NA	ND(1000) J	ND(10000) J	ND(5000) J	ND(1)	ND(1)	ND(1)	ND(1)	ND(5000) J
Trichloroethene	ND (1)	ND(50000)	ND(50000)	ND(1)	ND(1)	NA	NA	ND(1000) J	ND(10000) J	ND(5000) J	ND(1)	ND(1)	ND(1)	ND(1)	ND(5000) J
SVOCs (ug/L)															
4-Methylphenol	ND(10)	51	54	ND(10)	ND(10)	NA	NA	ND(10)	ND(1000)	ND(50)	ND(10)	ND(10)	--	--	ND(10)
Nitrobenzene	ND(10)	280	280	ND(10)	ND(10)	NA	NA	ND(10)	2800	570	ND(10)	ND(10)	--	--	ND(10)
Phenol	ND(10)	290	270	ND(10)	ND(10)	NA	NA	120J	2700	ND(50)	ND(10)	ND(10)	--	--	ND(10)
METALS (mg/L)															
Aluminum	80	0.89	1.2	1	NA	4.4	7.5	34	140J	50	220	2.8	0.053	--	41J
Antimony	ND(0.6)	ND(0.03)	ND(0.03)	ND(0.03)	NA	ND(0.03)	ND(0.03)	ND(0.03)	0.034	ND(0.6)	ND(0.3)	ND(0.03)	ND(0.03)	--	ND(0.03)
Arsenic	0.056	0.018	0.018	0.02	NA	0.0084	0.013	0.031	0.12	0.077	0.19	ND(0.005)	ND(0.005)	--	0.04
Barium	0.3	0.81	0.78	0.21	NA	0.16	0.19	0.59	3.3	0.36	0.69	0.24	0.083	--	0.27
Beryllium	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	NA	ND(0.005)	ND(0.005)	ND(0.005)	0.0051	ND(0.005)	0.01	ND(0.005)	ND(0.005)	--	ND(0.005)
Cadmium	ND(0.05)	ND(0.005)	ND(0.005)	ND(0.005)	NA	ND(0.005)	ND(0.005)	ND(0.005)	0.0089	ND(0.05)	ND(0.5)	ND(0.005)	ND(0.005)	--	ND(0.005)
Calcium	640	380	370	140	NA	150	180	430	1100	620	1200	230	120	--	340
Chromium	0.14	0.012J	0.021J	0.013	NA	0.04	0.06	0.08	0.32	0.1	0.37	0.21	ND(0.01)	--	0.09
Cobalt	0.089	ND(0.01)	ND(0.01)	ND(0.01)	NA	0.013	0.018	0.091	0.27	0.062	0.24	ND(0.01)	ND(0.01)	--	0.053
Copper	0.11	ND(0.02)	ND(0.02)	ND(0.02)	NA	ND(0.06)	ND(0.057)	0.11	0.54	0.12	0.53	ND(0.02)	ND(0.02)	--	0.11
Iron	170	75	73	12	NA	23	33	81	400	120	610	5.2	0.21	--	91
Lead	0.12	ND(0.003) J	0.0083J	ND(0.005)	NA	0.015	0.023	0.13	0.66	0.096	0.57	ND(0.003)	ND(0.003)	--	0.11

TABLE J.4

SUMMARY OF DETECTED COMPOUNDS IN ON-SITE GROUNDWATER - UNIT A/CURRENT USE SCENARIO
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

Location:	P-27A	P-28A	P-29A	P-31A	P-32A	P-33A	P-34*A			
Sample ID:	GW-SC-008 4/26/95	GW-WP-114 6/1/91	GW-WP-021 6/3/94	GW-SC-014 4/27/95	GW-SC-009 4/26/95	GW-WP-078 6/8/94	GW-SC-012 4/26/95	TOTAL SAMPLES	POSITIVE DETECTS	MEAN
PARAMETER										
VOCs (ug/L)										
1,1,2,2-Tetrachloroethane	ND(1)	ND(1)	ND(1)	ND(1) J	9J	ND(5000) J	ND	18	1	862
1,1,2-Trichloroethane	ND(1)	ND(1)	ND(1)	ND(1) J	170J	ND(5000) J	ND(5)	18	4	1932
1,1-Dichloroethane	ND(1)	ND(1)	30	6	ND(5) J	ND(5000) J	ND	18	2	864
1,2-Dichloroethane	ND(1)	ND(1)	12	ND(1) J	7100J	ND(5000) J	ND(5)	18	6	66729
2-Butanone	ND(10)	ND(10)	ND(10)	16	ND(10) J	ND(50000) J	ND(5)	18	1	7365
4-Methyl-2-pentanone	ND(10)	ND(10)	ND(10)	ND(10) J	ND(10) J	ND(50000) J	ND(10)	18	1	8974
Acetone	ND(10)	ND(10)	ND(10)	ND(10) J	260J	110000	290J	18	6	20600
Benzene	ND(1)	ND(1)	ND(1)	ND(1) J	ND(5) J	ND(5000) J	ND(5)	18	4	49112
Carbon Tetrachloride	ND(1)	ND(1)	ND(1)	ND(1) J	5500J	ND(5000) J	ND(5)	18	4	7584
Chloroethane	ND(1)	ND(1)	3.8	ND(1) J	ND(10) J	ND(5000) J	ND(5)	18	1	862
Chloroform	ND(1)	ND(1)	ND(1)	ND(1) J	2700J	ND(5000) J	ND(5)	18	6	20373
Dichloromethane	ND(1)	1.2	ND(1)	ND(1) J	170J	ND(5000) J	ND(5)	18	5	17854
Tetrachloroethene	ND(1)	ND(1)	ND(1)	ND(1) J	440J	ND(5000) J	ND(5)	18	3	1192
Toluene	ND(1)	7.4	ND(1)	ND(1) J	11J	ND(5000) J	ND(5)	18	3	2168
Trichloroethene	ND(1)	ND(1)	ND(1)	ND(1) J	9J	ND(5000) J	ND	18	1	2112
SVOCs (ug/L)										
4-Methylphenol	ND(10)	ND(10)	ND(10)	ND(10) R	ND(10)	ND(10)	NA	15	1	43
Nitrobenzene	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	NA	16	3	232
Phenol	ND(10)	ND(10)	ND(10)	ND(10) R	ND(10)	ND(10)	NA	15	3	212
METALS (mg/L)										
Aluminum	2.1	19	20	0.64	14	--	NA	16	16	39.47
Antimony	ND(0.03)	ND(0.03)	ND(0.03)	ND(0.03)	ND(0.03)	--	NA	16	1	0.0603
Arsenic	ND(0.005)	0.018	0.023	0.024	0.018	--	NA	16	13	0.0408
Barium	0.041	0.17	0.36	0.046	0.22	--	NA	16	16	0.4906
Beryllium	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	--	NA	16	2	0.0031
Cadmium	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	--	NA	16	1	0.0212
Calcium	150	610	320	230	210	--	NA	16	16	430
Chromium	0.035	0.024	0.041	0.054	0.076	--	NA	16	15	0.1015
Cobalt	ND(0.01)	0.024	0.027	0.03	0.04	--	NA	16	11	0.0604
Copper	ND(0.02)	0.047R	0.034	ND(0.095)	ND(0.074)	--	NA	15	8	0.1145
Iron	4.6	55	44	4.9	35	--	NA	16	16	108
Lead	ND(0.003)	0.066	0.024	0.022	0.064	--	NA	16	12	0.1183

SUMMARY OF DETECTED COMPOUNDS IN ON-SITE GROUNDWATER - UNIT A/CURRENT USE SCENARIO
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

Location:	P-1A	P-2A	P-2A	P-8A	P-11A	P-11A	P-11A	P-12A	P-13A	P-14A	P-24A	P-25A	P-25A	P-25A	P-26A
Sample ID:	GW-P-044	GW-WP-054	GW-WP-054	GW-WP-042	GW-WP-089	GW-SC-010	GW-SC-011	GW-WP-082	GW-WP-080	GW-WP-064	GW-WP-046	GW-WP-009	GW-SC-006	GW-SC-007	GW-WP-070
	6/8/94	6/7/94	6/7/94	6/8/94	6/9/94	4/26/95	4/26/95	6/8/94	6/8/94	6/7/94	6/6/94	6/1/94	4/26/95	4/26/95	6/8/94
			DUP				DUP							DUP	
PARAMETER															
METALS (mg/L)															
Magnesium	300	63	61	21	NA	46	58	160	400	220	610	91	46	--	140
Manganese	4.4	0.68	0.67	0.91	NA	1.5	1.9	7.6	31	5.6	12	0.35	0.013	--	3.9
Mercury	ND(0.0005)	ND(0.0002)	ND(0.0002)	ND(0.0005)	NA	ND(0.0002)	ND(0.0002)	ND(0.0005)	0.011	ND(0.0005)	ND(0.0002)	ND(0.0005)	ND(0.0002)	--	ND(0.0005)
Nickel	0.22	0.013	0.021J	0.016	NA	0.041	0.057	0.25	0.65	0.15	0.57	0.15	ND(0.01)	--	0.13
Potassium	25	1.6	1.6	3.2	NA	4.3	4.8	43	160	24	34	5.6	3.4	--	14
Selenium	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	NA	ND(0.005)	ND(0.005)	ND(0.005)	0.0083	ND(0.005)	ND(0.02)	ND(0.005)	ND(0.005)	--	0.0056
Silver	0.013	ND(0.01)	ND(0.01)	ND(0.01)	NA	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	0.012	ND(0.01)	ND(0.01)	--	ND(0.01)
Sodium	11	7.8	7.8	28	NA	190	180	40	160J	27	36	97	14	--	43J
Vanadium	0.13	ND(0.01)	ND(0.01)	ND(0.01)	NA	0.015	0.021	0.072	0.25	0.11	0.32	ND(0.01)	ND(0.01)	--	0.083
Zinc	0.61	0.045R	0.071R	0.036	NA	ND(0.01)	ND(0.013)	0.43	2.8	0.59	2.7	0.049	ND(0.02)	--	0.34

TABLE J.4

SUMMARY OF DETECTED COMPOUNDS IN ON-SITE GROUNDWATER - UNIT A/CURRENT USE SCENARIO
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

Location:	P-27A	P-28A	P-29A	P-31A	P-32A	P-33A	P-34*A			
Sample ID:	GW-SC-008 4/26/95	GW-WP-114 6/1/91	GW-WP-021 6/3/94	GW-SC-014 4/27/95	GW-SC-009 4/26/95	GW-WP-078 6/8/94	GW-SC-012 4/26/95	TOTAL SAMPLES	POSITIVE DETECTS	MEAN
PARAMETER										
METALS (mg/L)										
Magnesium	71	250	130	88	82	--	NA	16	16	170
Manganese	0.2	1.4	1.5	8.4	2	--	NA	16	16	5.10
Mercury	ND(0.0002)	ND(0.0005)	ND(0.0002)	ND(0.0002)	ND(0.0002)	--	NA	16	1	0.0008
Nickel	0.03	0.032	0.065	0.08	0.075	--	NA	16	15	0.1556
Potassium	1.5	8.4	9.8	2.3	4.8	--	NA	16	16	21.57
Selenium	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	--	NA	16	2	0.0035
Silver	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	--	NA	16	2	0.0059
Sodium	12	37	55	130	18	--	NA	16	16	56.30
Vanadium	ND(0.01)	0.039	0.043	ND(0.01)	0.035	--	NA	16	10	0.0706
Zinc	ND(0.038)	0.3	0.17R	0.05	0.18	--	NA	14	13	0.5800

Notes :
DUP = Duplicate Sample
J = Associated value is estimated.
NA = Not Analyzed
ND(x) = Not detected at associated value.
R = Rejected value

TABLE J.5

DETECTION FREQUENCY, MEAN, RANGE AND DETERMINATION OF COCs IN DETECTED COMPOUNDS
UNIT A\ON-SITE GROUND WATER\CURRENT USE SCENARIO
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

Location: *Sample ID:*	*FREQUENCY OF DETECTION (1)*	*MEAN CONC. (2)*	*RANGE*	*BACKGROUND MEAN CONC.*	*COCs*
PARAMETER					
VOCs (ug/L)					
1,1,2,2-Tetrachloroethane	1 / 18	862	9J	NA	X
1,1,2-Trichloroethane	4 / 18	1932	170J - 18000J	NA	X
1,1-Dichloroethane	2 / 18	864	6J - 30	NA	X
1,2-Dichloroethane	6 / 18	66729	12 - 630000J	NA	X
2-Butanone	1 / 18	7365	16J	NA	X
4-Methyl-2-pentanone	1 / 18	8974	20000J	NA	X
Acetone	6 / 18	20600	74 - 180000J	NA	X
Benzene	4 / 18	49112	7000J - 750000J	NA	X
Carbon Tetrachloride	4 / 18	7584	8.7 - 63000J	NA	X
Chloroethane	1 / 18	862	3.8	NA	X
Chloroform	6 / 18	20373	6.8 - 180000J	NA	X
Dichloromethane	5 / 18	17854	1.2 - 210000	NA	X
Tetrachloroethene	3 / 18	1192	440J - 8100J	NA	X
Toluene	3 / 18	2168	7.4 - 32000J	NA	X
Trichloroethene	1 / 18	2112	9J	NA	X
SVOCs (ug/L)					
4-Methylphenol	1 / 15	42.50	51 - 54	NA	X
Nitrobenzene	3 / 16	232	280 - 2800	NA	X
Phenol	3 / 15	212	120J - 2700	NA	X
METALS (mg/L)					
Aluminum	16 / 16	39.47	0.053 - 220	NA	
Antimony	1 / 16	0.06	0.034	NA	X
Arsenic	13 / 16	0.04	0.0084 - 0.19	NA	X
Barium	16 / 16	0.49	0.041 - 3.3	NA	X
Beryllium	2 / 16	0.0031	0.0051 - 0.01	NA	X
Cadmium	1 / 16	0.02	0.0089 - 0.0089	NA	X
Calcium	16 / 16	430	120 - 1200	NA	

TABLE J.5

DETECTION FREQUENCY, MEAN, RANGE AND DETERMINATION OF COCs IN DETECTED COMPOUNDS
UNIT A\ON-SITE GROUND WATER\CURRENT USE SCENARIO
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

Location: *Sample ID:*	*FREQUENCY OF DETECTION (1)*	*MEAN CONC. (2)*	*RANGE*	*BACKGROUND MEAN CONC.*	*COCs*
PARAMETER					
METALS (mg/L)					
Chromium	15 / 16	0.10	0.012J - 0.37	NA	X
Cobalt	11 / 16	0.06	0.013 - 0.27	NA	X
Copper	8 / 15	0.11	0.034 - 0.54	NA	X
Iron	16 / 16	108	0.21 - 610	NA	
Lead	12 / 16	0.12	0.0083J - 0.66	NA	X
Magnesium	16 / 16	170	21 - 610	NA	
Manganese	16 / 16	5.10	0.013 - 31	NA	X
Mercury	1 / 16	0.0008	0.011 - 0.011	NA	X
Nickel	15 / 16	0.1556	0.013J - 0.65	NA	X
Potassium	16 / 16	21.57	1.5 - 160	NA	
Selenium	2 / 16	0.0035	0.0056 - 0.0083	NA	X
Silver	2 / 16	0.0059	0.012 - 0.013	NA	X
Sodium	16 / 16	56.30	7.8 - 190	NA	
Vanadium	10 / 16	0.07	0.015 - 0.32	NA	X
Zinc	13 / 14	0.58	0.036 - 2.8	NA	

Notes :

J = Associated value is estimated.
NA = Not Analyzed
(1) Detection frequency is the number of detected samples versus the total number of samples analyzed.
(2) Arithmetic mean concentrations including non-detects at one half the detection limit.

SUMMARY OF DETECTED COMPOUNDS IN ON-SITE GROUNDWATER
UNITS B AND C DOWNGRADIENT PERIMETER /CURRENT USE SCENARIO
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

Location:	MW-21L	MW-21M	MW-21M	MW-21S	MW-21S	MW-23B	MW-25B	MW-26	MW-26	MW-27B	MW-30B	MW-31B	MW-32B	P-7B	P-8B
Sample I.D.:	GW-WP-025	GW-WP-003	GW-WP-005	GW-WP-013	GW-WP-015	GW-WP-026	GW-WP-007	GW-WP-066	GW-WP-068	GW-WP-010	GW-WP-032	GW-WP-052	GW-WP-058	GW-WP-017	GW-WP-034
			DUP		*DUP*				*DUP*						
PARAMETER															
VOCs (ug/L)															
Benzene	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1.6)	ND(1)	ND(1)
Chloroethane	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
Chloroform	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-Dichloroethane	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(4.1)	ND(1)	ND(1)
Dichloromethane	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
Tetrachloroethene	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	2.7J	3.8J	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
Toluene	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
Vinyl Chloride	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
METALS (mg/L)															
Aluminum	1.1	30J	ND(0.05)	0.66	0.84	14	ND(0.05)	13J	10J	170	ND(0.05)	1.4	3.3	24	ND(0.05)
Arsenic	0.0062	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.013	0.029	0.012J	0.0087J	0.068	0.053	ND(0.005)	ND(0.005)	0.02	0.015
Barium	0.16	0.055	0.055	0.036	0.036	0.17	0.16	0.12	0.11	0.41	0.075	0.05	0.068	0.25	0.054
Calcium	84	81	80	100	100	270	370	210	170	2000	240	210	200	400	170
Chromium	0.018	ND(0.01)	ND(0.01)	0.015	0.017	0.068	0.23	0.057J	0.04J	0.095	0.04	ND(0.01)	0.021	0.05	0.011J
Cobalt	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	0.022	0.032	0.012J	ND(0.01)	0.066	ND(0.01)	ND(0.01)	ND(0.01)	0.023	ND(0.01)
Copper	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02)	0.027	0.05	0.02J	ND(0.02)	0.15	ND(0.02)	ND(0.02)	ND(0.02)	0.062	ND(0.02)
Iron	3.1	2.5	2.5	1.4	1.7	54	68	26	21	140	1.4	7.6	9.8	57	0.66
Lead	ND(0.003)	0.018J	0.0053J	ND(0.003)	0.0052	0.051	0.064	0.027J	0.02J	0.11	0.017	0.012	0.012	0.044	0.022
Magnesium	31	28	27	77	77	99	190	86	69	550	89	100	96	200	42
Manganese	0.13	0.07	0.069	0.48	0.5	1.4	2.1	0.76J	0.58J	8.6	1.6	0.72	0.61	1.8	1.5
Nickel	0.021	ND(0.01)	ND(0.01)	0.024	0.03	0.056	0.17	0.058	0.049	0.15	0.043R	0.012	0.028	0.067	0.028R
Potassium	1.6	1.1	1.1	2.3	2.3	7.4	11	6.1	5	14	4.5	2.4	2.5	10	3.8
Sodium	5.8	2.9	2.9	8.4	8.2	9.8	6.5	5	4.2	16	12	4.9	5.6	110	5.2
Vanadium	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	0.032	0.055	0.023	0.019	0.11	0.015	ND(0.01)	ND(0.01)	0.051	0.012
Zinc	0.084	0.04J	0.02J	0.04J	0.032J	0.2R	0.29J	0.18	0.15	0.57J	0.082R	0.062R	0.048R	0.23	0.096R

Notes:
DUP = Duplicate sample
J = Associated value is estimated
NA = Not Analyzed
ND(x) = Not Detected at associated detection limit
R = Rejected value

SUMMARY OF DETECTED COMPOUNDS IN ON-SITE GROUNDWATER
UNITS B AND C DOWNGRADIENT PERIMETER /CURRENT USE SCENARIO
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

Location:	P-8B	P-8C1	P-8C2	P-8C3	P-8C4	P-8C4	P-23C1	P-23C2	P-23C3	P-23C4	P-25C2	P-27C1	P-27C2	P-27C3	P-27C4
Sample I.D.:	GW-WP-036 DUP	GW-WP-047	GW-WP-051	GW-SC-028	GW-SC-30	GW-SC-32 DUP	GW-WP-028	GW-WP-030	GW-WP-026	GW-SC-024	GW-WP-011	GW-WP-012	GW-WP-014	GW-SC-057	GW-SC-53
PARAMETER															
VOCs (ug/L)															
Benzene	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
Chloroethane	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
Chloroform	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-Dichloroethane	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
Dichloromethane	ND(1)	ND(1)	ND(1)	1.4	1.2J	1.1J	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
Tetrachloroethene	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
Toluene	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
Vinyl Chloride	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
METALS (mg/L)															
Aluminum	ND(0.05)	ND(0.05)	1.5	NA	NA	NA	0.37	4.2	NA	NA	28	1.6	ND(0.05)	NA	NA
Arsenic	0.013	ND(0.005)	0.0094	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.005)	0.013	0.016	0.01	0.017	0.0052	ND(0.005)	ND(0.01)	0.01
Barium	0.05	0.05	0.071R	ND(0.2)	ND(0.2)	ND(0.2)	0.049	0.12	ND(0.2)	ND(0.2)	0.16	0.065	0.041	ND(0.2)	ND(0.2)
Calcium	180	120	100	NA	NA	NA	92	110	NA	NA	240	75	78	NA	NA
Chromium	0.038J	ND(0.01)	0.02	ND(0.01)	0.011	0.012	ND(0.01)	0.18	0.024	ND(0.01)	0.11	0.011	ND(0.01)	ND(0.01)	0.021
Cobalt	ND(0.01)	ND(0.01)	ND(0.01)	NA	NA	NA	ND(0.01)	0.011	NA	NA	0.027	ND(0.01)	ND(0.01)	NA	NA
Copper	ND(0.02)	ND(0.02)	ND(0.02)	NA	NA	NA	ND(0.02)	ND(0.02)	NA	NA	0.057	ND(0.02)	ND(0.02)	NA	NA
Iron	0.74	3.5	6.2	NA	NA	NA	1.9	10	NA	NA	49	3.6	2.1	NA	NA
Lead	0.021	ND(0.003)	0.0034	ND(0.003)	ND(0.003)	ND(0.003)	ND(0.003)	ND(0.003)	0.0043	ND(0.003)	0.055	0.0063	ND(0.003)	ND(0.003)	0.014
Magnesium	44	41	36	NA	NA	NA	38	40	NA	NA	100	43	26	NA	NA
Manganese	1.5	0.38	0.19	NA	NA	NA	0.074	0.24	NA	NA	1.4	0.2	0.079	NA	NA
Nickel	0.042R	ND(0.01)	0.013	ND(0.04)	ND(0.04)	ND(0.04)	0.011	0.14	ND(0.04)	ND(0.04)	0.1	0.016	ND(0.01)	ND(0.04)	ND(0.04)
Potassium	3.7	1.9	1.5	NA	NA	NA	1.3	2.3	NA	NA	8.5	1.8	1.2	NA	NA
Sodium	5.1	12	4.1	NA	NA	NA	3.6	4.6	NA	NA	4.3	4.6	2.6	NA	NA
Vanadium	0.012	ND(0.01)	ND(0.01)	NA	NA	NA	ND(0.01)	ND(0.01)	NA	NA	0.041	ND(0.01)	ND(0.01)	NA	NA
Zinc	0.096R	ND(0.02)	0.039R	NA	NA	NA	ND(0.02)	0.037	NA	NA	0.022	0.027	ND(0.02)	NA	NA

Notes:
DUP = Duplicate sample
J = Associated value is estim
NA = Not Analyzed
ND(x) = Not Detected at ass
R = Rejected value

SUMMARY OF DETECTED COMPOUNDS IN ON-SITE GROUNDWATER
UNITS B AND C DOWNGRADIENT PERIMETER /CURRENT USE SCENARIO
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

Location:	P-30C1	P-30C2	P-30C3	P-30C3	P-30C4	P-31C1	P-31C1	P-31C2	P-31C2	P-31C3	P-31C4	P-32C2	TOTAL	POSITIVE	MEAN
Sample I.D.:	GW-WP-045	GW-WP-043	GW-SC-027	GW-SC-029 DUP	GW-SC-025	GW-WP-067	GW-SC-004	GW-WP-077	GW-SC-022	GW-SC-021	GW-SC-020	GW-SC-069	SAMPLES	DETECTS	
PARAMETER															
VOCs (ug/L)															
Benzene	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(5.3)	1	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	36	1	0.58
Chloroethane	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	1	ND(1)	ND(1)	ND(1)	ND(1)	36	1	0.51
Chloroform	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	1.1J	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	36	1	0.52
1,2-Dichloroethane	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(13)	ND(1)	100	170	360	1.7J	ND(1)	36	4	18.20
Dichloromethane	ND(1)	ND(1)	1.1J	1.2	ND(1)	ND(5.2)	ND(1)	ND(1)	ND(1)	1	ND(1)	ND(1)	36	4	0.63
Tetrachloroethene	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	36	1	0.58
Toluene	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	1.3	ND(1)	ND(1)	ND(1)	36	1	0.52
Vinyl Chloride	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	1	ND(1)	2.4	ND(1)	ND(1)	36	2	0.57
METALS (mg/L)															
Aluminum	ND(0.05)	ND(0.05)	NA	NA	NA	0.064	NA	0.18	NA	0.12	ND(0.05)	ND(0.05)	26	17	10.67
Arsenic	ND(0.005)	0.01	0.011	ND(0.01)	0.012	ND(0.005)	NA	0.011	NA	0.01	0.015	0.0097	34	22	0.012
Barium	0.037	0.11	ND(0.2)	ND(0.2)	ND(0.2)	0.06	NA	0.11	NA	0.12	0.14	0.1	33	25	0.11
Calcium	89	86	NA	NA	NA	96	NA	94	NA	96	90	85	26	26	221.94
Chromium	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	0.01	ND(0.01)	NA	ND(0.01)	NA	ND(0.01)	ND(0.01)	ND(0.01)	34	18	0.032
Cobalt	ND(0.01)	ND(0.01)	NA	NA	NA	ND(0.01)	NA	ND(0.01)	NA	ND(0.01)	ND(0.01)	ND(0.01)	26	7	0.011
Copper	ND(0.02)	ND(0.02)	NA	NA	NA	ND(0.02)	NA	ND(0.02)	NA	ND(0.02)	ND(0.02)	ND(0.02)	26	6	0.022
Iron	0.89	2.8	NA	NA	NA	0.7	NA	2.7	NA	3.3	2.4	3.3	26	26	17.75
Lead	ND(0.003)	ND(0.003)	ND(0.003)	ND(0.003)	0.01	ND(0.003)	NA	ND(0.003)	NA	ND(0.003)	ND(0.003)	ND(0.003)	34	17	0.014
Magnesium	38	28	NA	NA	NA	35	NA	35	NA	31	29	29	26	26	81.88
Manganese	0.061	0.072	NA	NA	NA	0.047	NA	0.065	NA	0.058	0.061	0.061	26	26	0.87
Nickel	ND(0.01)	0.014R	ND(0.04)	ND(0.04)	ND(0.04)	ND(0.01)	NA	ND(0.01)	NA	ND(0.01)	ND(0.01)	ND(0.01)	31	14	0.03
Potassium	0.89	0.98	NA	NA	NA	2.8	NA	1.6	NA	1	0.97	0.94	26	26	3.61
Sodium	3.6	4.6	NA	NA	NA	9.1	NA	7	NA	5.4	5.2	4	26	26	10.34
Vanadium	ND(0.01)	ND(0.01)	NA	NA	NA	ND(0.01)	NA	ND(0.01)	NA	ND(0.01)	ND(0.01)	ND(0.01)	26	8	0.016
Zinc	ND(0.02)	ND(0.02)	NA	NA	NA	0.021	NA	0.025	NA	0.027	ND(0.02)	0.021	20	14	0.079

Notes:
DUP = Duplicate sample
J = Associated value is estim
NA = Not Analyzed
ND(x) = Not Detected at ass
R = Rejected value

TABLE J.7

DETECTION FREQUENCY, MEAN, RANGE AND DETERMINATION OF COCs FOR DETECTED COMPOUNDS IN ON-SITE GROUND WATER DOWNGRADIENT PERIMETER/UNITS B AND C CURRENT USE SCENARIO FOUR COUNTY LANDFILL SITE FULTON COUNTY, INDIANA

PARAMETER	*FREQUECY OF DETECTION (1)*	*MEAN CONC. (2)*	*RANGE OF DETECTION*	*BACKGROUND MEAN CONC.*	*COCS*
VOCs (ug/L)					
Benzene	1/36	0.58	1	NA	
Chloroethane	1/36	0.51	1	NA	
Chloroform	1/36	0.52	1.1J	NA	
1,2-Dichloroethane	4/36	18.20	1.7J - 360	NA	X
Dichloromethane	4/36	0.63	1 - 1.4	NA	X
Tetrachloroethene	1/36	0.58	2.7J - 3.8J	NA	
Toluene	1/36	0.52	1.3	NA	
Vinyl Chloride	2/36	0.57	1 - 2.4	NA	X
METALS (mg/L)					
Aluminum	17/26	10.67	0.064 - 170	NA	
Arsenic	22/34	0.012	0.0052 - 0.068	NA	X
Barium	25/33	0.11	0.036 - 0.41	NA	X
Calcium	26/26	222	75 - 2000	NA	
Chromium	18/34	0.032	0.01 - 0.23	NA	X
Cobalt	7/26	0.011	0.011 - 0.066	NA	X
Copper	6/26	0.022	0.02J - 0.15	NA	X
Iron	26/26	17.75	0.66 - 140	NA	
Lead	17/34	0.014	0.0034 - 0.11	NA	X
Magnesium	26/26	81.88	26 - 550	NA	
Manganese	26/26	0.87	0.047 - 8.6	NA	X
Nickel	14/31	0.03	0.011 - 0.17	NA	X
Potassium	26/26	3.61	0.89 - 14	NA	
Sodium	26/26	10.34	2.6 - 110	NA	
Vanadium	8/26	0.016	0.012 - 0.11	NA	X
Zinc	14/20	0.079	0.02J - 0.57J	NA	X

Notes:

NA = Not Avaiable

J = Associate Value is an Estimate.

(1) Detection frequency is the number of detected samples versus the total number of samples analyzed.

(2) Arithmetic mean concentrations including non-detects at one half the detection limit.

TABLE J.8

SUMMARY OF DETECTED COMPOUNDS FROM ON-SITE SEDIMENT SAMPLES
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

	NORTHEAST POND							NORTHEAST POND	SOUTHWEST POND			
	S-1	S-2	S-3	S-4	S-4	S-5	S-6	S-7	S-8	TOTAL	POSITIVE	MEAN
	D-WP-014	D-WP-012	D-WP-010	D-WP-006	D-WP-008	D-WP-016	D-WP-002	D-WP-004	D-WP-104	SAMPLES	DETECTS	
	6/4/94	6/4/94	6/4/94	6/4/94	6/4/94	6/4/94	6/4/94	6/4/94	6/15/94			
PARAMETER					DUP.							
VOCs (mg/kg)												
Acetone	0.034	0.033	ND(0.02)	0.069J	0.024J	ND(0.02)	0.43	ND(0.05)	0.031	8	5	0.077
Dichloromethane	0.015	ND(0.005)	0.015J	0.008J	ND(0.005)	ND(0.005)	ND(0.005)	0.012	ND(0.005)	8	4	0.0072
Toluene	0.013	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	8	1	0.0038
SVOCs (mg/kg)												
Butylbenzyl Phthalate	ND(0.33)	0.41	ND(0.33)	ND(0.33)	ND(0.33)	0.65	ND(0.33)	1.1	ND(0.33)	8	3	0.373
METALS (mg/kg)												
Aluminum	5800	11000	12000	11000	9900	13000	10000	4100	6900	8	8	9156
Arsenic	4.3	6.5	6.3	5.6	5.7	6	4.8	2.8	5.3	8	8	5.21
Barium	20	34	38	39	39	26	41	22	28	8	8	31
Beryllium	ND(0.50)	0.53	0.53	ND(0.50)	ND(0.50)	0.53	ND(0.50)	0.79	ND(0.5)	8	4	0.423
Calcium	52000	38000	36000	31000	29000	39000	21000	21000	28000	8	8	33125
Chromium	13	25	26	28	22	22	20	8.8	13	8	8	19.1
Cobalt	6.3	10	10	6.5J	10J	8.7	4.3	9.2	8	8	8	8.09
Copper	14	24	24	27	25	22	18	12	16	8	8	19.5
Iron	13000	23000	22000	21000	21000	20000	15000	8700	17000	8	8	17463
Lead	21	28	24	22	23	23	30	10	16	8	8	21.81
Magnesium	24000	19000	19000	16000	15000	20000	11000	12000	14000	8	8	16813
Manganese	360	400	380	320	330	380	150	340	350	8	8	335.6
Nickel	15R	30	30	34	30	41	17	12R	19	8	6	28.17
Potassium	1500	2500	3300	3200J	2200J	3700	2300	940	1400	8	8	2293
Sodium	100R	100R	130R	120R	100R	170R	71J	120R	81R	8	1	71
Vanadium	12	19	21	20	17	22	8.9	19	13	8	8	16.68
Zinc	120	150	130	130	130	130	130	70	81	8	8	117.6
Cyanide	1.8	1.1	0.74	0.67	0.57	0.58	ND(0.25)	ND(0.25)	ND(0.25)	8	5	0.652

J = Associated Value is Estimated
R = Rejected Value
ND = Not Detected
DUP = Duplicate

TABLE J.9

DETERMINATION OF COCs FOR ON-SITE SEDIMENT
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

Parameter	*Carc. Class (2)*	*Frequency of Detection (1)*	*Maximum Detected Concentration (mg/kg)*	*Oral CSF (2) (1/(mg/kg/d))*	*Carcinogenic Score (3)*	*Fraction of Total Score*	*Oral RfD (2) (mg/kg/d)*	*Non Carcinogenic Score (4)*	*Fraction of Total Score*	*Mean (mg/kg)*	*Site Background (mg/kg) (5)*	*COCs*
VOCs												
Acetone	D	5/8	0.43	NA	NA	0.00	0.1	2.69	2.50E-05	0.077	NA	
Dichloromethane	C	4/8	0.015	0.0075	5.63E-05	5.00E-06	0.06	0.13	1.154E-06	0.0072	0.00875	
Toluene	D	1/8	0.013	NA	NA	0.00	0.2	8.13E-03	7.5E-08	0.0038	NA	
SVOCs												
Butylbenzyl Phthalate	C	3/8	1.1	NA	NA	0.00	0.2	2.06	1.90E-05	0.37	NA	
METALS												
Aluminum	NA	8/8	13000	NA	NA	0.00	NA	NA	0.00	9156	5450	
Arsenic	A	8/8	6.5	1.5	9.75	0.85	0.0003	21667	0.20	5.21	3.15	
Barium	NA	8/8	41	NA	NA	0.00	0.07	585.71	0.005	31	47	
Beryllium	B2	4/8	0.79	4.3	1.70	0.15	0.005	79	7.29E-04	0.42	NA	X
Calcium	NA	8/8	52000	NA	NA	0.00	NA	NA	0.00	33125	800	
Chromium*	NA	8/8	28	NA	NA	0.00	1	28	2.58E-04	19.1	7.65	
Cobalt	NA	8/8	10	NA	NA	0.00	NA	NA	0.00	8.09	3.8	
Copper	D	8/8	27	NA	NA	0.00	0.037	729.73	0.007	19.5	3.45	
Iron	C	8/8	23000	NA	NA	0.00	NA	NA	0.00	17463	5450	
Lead	B2	8/8	30	NA	NA	0.00	NA	NA	0.00	21.81	13.85	
Magnesium	NA	8/8	24000	NA	NA	0.00	NA	NA	0.00	16813	800	
Manganese	D	8/8	400	NA	NA	0.00	0.005	80000	0.74	335.6	495	
Nickel	A	6/8	41	NA	NA	0.00	0.02	1537.5	0.01	28.17	6.55	X
Potassium	NA	8/8	3700	NA	NA	0.00	NA	NA	0.00	2293	390	
Sodium	NA	1/8	71	NA	NA	0.00	NA	NA	0.00	71	NA	
Vanadium	NA	8/8	22	NA	NA	0.00	0.007	3142.86	0.03	16.68	14.45	
Zinc	D	8/8	150	NA	NA	0.00	0.3	500	0.005	117.6	40	
Cyanide	D	5/8	1.8	NA	NA	0.00	0.02	56.25	5.19E-04	0.65	NA	
TOTAL					11.45	1.00		108331	1.00			

Notes:

* RfD value is for chromium III

NA = Not Available

(1) Frequency is the number of detected samples versus the number of samples analyzed.

(2) CSF, RfD, and carcinogenic class are from the EPAs Integrated Risk Information System, Oct, 1995.

(3) Score = detection frequency x maximum concentration x CSF.

(4) Score = detection frequency x (maximum concentration/Rfd).

(5) Site background concentrations are the mean of samples S-15 and S-16.

TABLE J.10

SUMMARY OF DETECTED COMPOUNDS IN OFF-SITE SEDIMENT SAMPLES
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

	NORTH SECTOR					*EAST SECTOR*			*WEST SECTOR*					
	S-9	S-10	S-11	S-11	S-20	S-12	S-13	S-14	S-17	S-18	S-19	TOTAL	POSITIVE	MEAN
	D-WP-100	D-WP-102	D-WP-097	D-WP-098	D-WP-029	D-WP-031	D-WP-033	D-WP-037	D-KJJ-109	D-KJJ-107	D-KJJ-108	SAMPLES	DETECTS	
	6/15/94	6/15/94	6/15/94	6/15/94	6/4/94	6/4/94	6/4/94	6/4/94	8/30/94	8/30/94	8/30/94			
PARAMETER				DUP.										
VOCs (mg/kg)														
Acetone	0.032	0.029	ND(0.05)	ND(0.05)	0.049	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.05)	ND(0.05)	ND(0.05)	10	3	0.024
Dichloromethane	ND(0.005)	ND(0.005)	0.009J	0.022J	ND(0.005)	0.006	0.009	ND(0.005)	0.006	ND(0.005)	0.008	10	5	0.0057
4-Methyl-2-Pentanone	0.019	ND(0.01)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.01)	ND(0.05)	ND(0.05)	ND(0.05)	10	1	0.0204
METALS (mg/kg)														
Aluminum	1000	4300	11000	7700	3000	10000	15000	11000	9200	11000	9100	10	10	8294
Antimony	ND(30)	ND(300)	ND(300)	ND(300)	ND(3.0)	ND(3.0)	ND(150)	ND(150)	3.2J	6.7J	3.8J	10	3	48.17
Arsenic	0.91	2.1	6.1	5.7	0.6	5.9	7.3	5.2	4.1	6.6	5.3	10	10	4.391
Barium	16	50	33	30	25	67	59	54	56	50	64	10	10	47.25
Beryllium	ND(0.50)	ND(0.50)	0.6	ND(0.50)	ND(0.50)	ND(0.50)	0.79	ND(0.50)	0.55J	0.66J	0.53J	10	5	0.4205
Cadmium	ND(0.50)	ND(0.50)	ND(5.0)	ND(5.0)	ND(2.5)	ND(2.5)	ND(0.50)	ND(0.50)	0.67	1.3	0.95	10	3	0.667
Calcium	1400	2200	4200J	39000J	7300	25000	21000	9100	1900	17000	4600	10	10	11110
Chromium	3	7.7	11	11	6.3	24	28	20	13	22	16	10	10	15.1
Cobalt	ND(1.0)	2	7.3	7.5	2.7	9.3	9.8	7.4	5.8	8.9	8	10	9	6.18
Copper	2.7	7.4	13	12	ND(10.0)	27	28	19	9.9	16	14	10	9	14.15
Iron	1300	4900	17000	17000	4000	19000	24000	16000	14000	21000	18000	10	10	13920
Lead	11	24	11	11	6.5	36	35	26	14	27	22	10	10	21.25
Magnesium	200	550	3800J	12000J	2600	13000	13000	6600	1900	9300	3600	10	10	5865
Manganese	36R	43R	210J	220J	65	1600	670	430	140	410	280	10	10	476.25
Nickel	1.8	5.5	12U	12U	8.8R	26	27	19	13	25	18	10	8	15.03
Potassium	140	410	1700	1500	420	2000	2900	2000	860J	1900J	1200J	10	10	1343
Selenium	ND(0.50)	0.51	ND(0.50)	ND(0.50)	0.74	ND(0.50)	ND(0.50)	ND(0.50)	0.54	ND(0.50)	0.59	10	4	0.388
Silver	1.1	1.1	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	10	2	0.62
Thallium	ND(1.0)	ND(1.0)	1.1J	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	10	1	0.53
Vanadium	1.8	7.3	21	16	6.9	18	26	20	20	20	19	10	10	15.75
Zinc	21R	40R	69	62	33R	170	160	120	47R	140	100	10	6	125.9
Cyanide	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.50)	ND(0.25)	ND(0.25)	0.31R	ND(0.25)	0.18	ND(0.12)	0.18	10	2	0.137

U = Compound was not detected above the level of the associated value due to blank concentrations
J = Associated Value is Estimated
R = Rejected Value
ND = Not Detected
DUP = Duplicate

TABLE J.11

DETERMINATION OF COCs FOR OFF-SITE SEDIMENT
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

Parameter	*Carc. Class (2)*	*Frequency of Detection (1)*	*Maximum Detected Concentration (mg/kg)*	*Oral CSF (2) (1/(mg/kg/d))*	*Carcinogenic Score (3)*	*Fraction of Total Score*	*Oral RfD (2) (mg/kg/d)*	*Non Carcinogenic Score (4)*	*Fraction of Total Score*	*Mean (mg/kg)*	*Site Background (mg/kg) (5)*	*COCs*
VOCs												
Acetone	D	3/10	0.049	NA	NA	0.00	0.1	0.15	4.09E-07	0.024	NA	
Dichloromethane	C	5/10	0.022	0.0075	8.25E-05	6.52E-06	0.06	0.18	5.11E-07	0.0057	0.00875	
4-Methyl-2-Pentanone	NA	1/10	0.019	NA	NA	0.00	0.08	0.0238	6.64E-08	0.02		
METALS												
Aluminum	NA	10/10	15000	NA	NA	0.00	NA	NA	0.00	8294	5450	
Antimony	NA	3/10	6.7	NA	NA	0.00	0.0004	5025	0.01	48.17	NA	X
Arsenic	A	10/10	7.3	1.5	10.95	0.87	0.0003	24333	0.07	4.39	3.15	
Barium	NA	10/10	67	NA	NA	0.00	0.07	957	0.003	47.25	47	
Beryllium	B2	5/10	0.79	4.3	1.70	0.13	0.005	79	2.20E-04	0.42	NA	X
Cadmium	B	3/10	1.3	NA	NA	0.00	0.0005	780	0.002	0.67	NA	
Calcium	NA	10/10	39000	NA	NA	0.00	NA	NA	0.00	11110	800	
Chromium*	NA	10/10	28	NA	NA	0.00	1	28	7.81E-05	15.1	7.65	
Cobalt	NA	9/10	9.8	NA	NA	0.00	NA	NA	0.00	6.18	3.8	
Copper	D	9/10	28	NA	NA	0.00	0.037	681	0.002	14.15	3.45	
Iron	C	10/10	24000	NA	NA	0.00	NA	NA	0.00	13920	5450	
Lead	B2	10/10	36	NA	NA	0.00	NA	NA	0.00	21.25	13.85	
Magnesium	NA	10/10	13000	NA	NA	0.00	NA	NA	0.00	5865	800	
Manganese	D	10/10	1600	NA	NA	0.00	0.005	320000	0.89	476.25	495	
Nickel	A	8/10	27	NA	NA	0.00	0.02	1080	0.003	15.03	6.55	
Potassium	NA	10/10	2900	NA	NA	0.00	NA	NA	0.00	1343	390	
Selenium	D	4/10	0.74	NA	NA	0.00	0.005	59.2	1.65E-04	0.39	0.3075	
Silver	D	2/10	1.1	NA	NA	0.00	0.005	44	1.23E-04	0.62	NA	
Thallium	NA	1/10	1.1	NA	NA	0.00	7.00E-05	1571	0.004	0.53	NA	
Vanadium	NA	10/10	26	NA	NA	0.00	0.007	3714	0.01	15.75	14.45	
Zinc	D	6/10	170	NA	NA	0.00	0.3	340	9.48E-04	125.9	40	
Cyanide	D	2/10	0.18	NA	NA	0.00	0.02	1.8	5.00E-06	0.14	NA	
TOTAL					12.65	1.00		358693	1.00			

Notes:

* RfD value is for chromium III

NA = Not Available

(1) Frequency is the number of detected samples versus the number of samples analyzed.

(2) CSF, RfD, and carcinogenic class are from the EPAs Integrated Risk Information System, Oct, 1995.

(3) Score = detection frequency x maximum concentration x CSF.

(4) Score = detection frequency x (maximum concentration/Rfd).

(5) Site background concentrations are the mean of samples S-15 and S-16.

TABLE J.12

SUMMARY OF DETECTED COMPOUNDS IN ON-SITE SURFACE WATER SAMPLES
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

	NORTHEAST POND						*NORTHEAST POND*	*SOUTHWEST POND*			
PARAMETER	S-1 SW-KJJ-110 8/30/94	S-2 SW-WP-091 6/15/94	S-3 SW-WP-092 6/15/94	S-4 SW-WP-093 6/15/94	S-5 SW-KJJ-111 8/30/94	S-6 SW-WP-002 6/4/94	S-6 SW-WP-004 6/4/94 DUP	S-8 SW-WP-091 6/15/94	TOTAL SAMPLES	POSITIVE DETECTS	MEAN
VOCs (mg/L)											
Acetone	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	0.016J	ND(0.01)	ND(0.01)	7	1	0.00614
METALS (mg/L)											
Aluminum	5.8	3.6	4.2	3.1	5	1.5	1.6	0.54	7	7	3.4
Arsenic	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.012	0.012	ND(0.005)	7	1	0.00386
Barium	0.04	0.034	0.036	0.03	0.039	0.059	0.059	0.019	7	7	0.0367
Calcium	48	46	47	45	48	73	73	29	7	7	48
Iron	4.3	3.1	3.5	2.7	4.2	5.1	4.7	1.1	7	7	3.4
Lead	0.0056	0.0073	0.0036	0.0031	0.0054	0.0058	0.0059	0.0034	7	7	0.00489
Magnesium	13	9.9	10	9.7	13	23	23	15	7	7	13.37
Manganese	0.061	0.049	0.05	0.05	0.061	1.1	1.1	0.057	7	7	0.204
Nickel	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	0.013R	0.013R	0.016	7	1	0.00683
Potassium	5.8	5.7	6.2	5.5	5.7	4.4	4.6	2	7	7	5.06
Silver	ND(0.01)	0.013	0.012	0.013	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	7	3	0.00829
Sodium	6.8	9	9.3	8.9	6.8	33	33	4.5	7	7	11.19
Zinc	0.031	0.041R	0.045R	0.042R	0.034	0.052R	0.037R	ND(0.02)	7	2	0.025

J = Associated Value is Estimated
R = Rejected Value
ND = Not Detected
DUP = Duplicate
U = Compound was not detected above the level of the associated value due to blank contamination.

NOTE :
1) Surface water sample S-7 was not tested.

TABLE J.13

DETERMINATION OF COCs FOR ON-SITE SURFACE WATER
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

Parameter	*Carc. Class (2)*	*Frequency of Detection (1)*	*Maximum Detected Concentration (mg/l)*	*Oral CSF (2) (1/(mg/kg/d))*	*Carcinogenic Score (3)*	*Fraction of Total Score*	*Oral RfD (2) (mg/kg/d)*	*Non Carcinogenic Score (4)*	*Fraction of Total Score*	*Mean (mg/l)*	*Site Background (mg/l) (5)*	*COCs*
VOCs												
Acetone	D	1/7	0.016	NA	NA	0.00	0.1	0.02	1.00E-04	0.0061	0.027	
METALS												
Aluminum	NA	7/7	5.8	NA	NA	0.00	NA	NA	NA	3.4	18	
Arsenic	A	1/7	0.012	1.5	0.0026	1.00	0.0003	5.72	0.03	0.0039	0.018	
Barium	NA	7/7	0.059	NA	NA	0.00	0.07	0.84	0.004	0.037	0.17	
Calcium	NA	7/7	73	NA	NA	0.00	NA	NA	NA	48	63	
Iron	C	7/7	5.1	NA	NA	0.00	NA	NA	NA	3.4	55	
Lead	B2	7/7	0.0073	NA	NA	0.00	NA	NA	NA	0.0049	0.067	
Magnesium	NA	7/7	23	NA	NA	0.00	NA	NA	NA	13.37	17	
Manganese	D	7/7	1.1	NA	NA	0.00	0.005	220	0.97	0.2	1.4	
Nickel	A	1/7	0.016	NA	NA	0.00	0.02	0.11	5.02E-04	0.0068	0.032	
Potassium	NA	7/7	6.2	NA	NA	0.00	NA	NA	NA	5.06	8.6	
Silver	D	3/7	0.013	NA	NA	0.00	0.005	1.11	0.005	0.0083	NA	
Sodium	NA	7/7	33	NA	NA	0.00	NA	NA	NA	11.19	3.7	
Zinc	D	2/7	0.034	NA	NA	0.00	0.3	0.03	1.42E-04	0.025	NA	
TOTAL					0.0026	1.00		227.84	1.00			

Notes:

NA = Not Available
(1) Frequency is the number of detected samples versus the number of samples analyzed.
(2) CSF, RfD, and carcinogenic class are from the EPAs Integrated Risk Information System, Oct, 1995.
(3) Score = detection frequency x maximum concentration x CSF.
(4) Score = detection frequency x (maximum concentration/Rfd).
(5) Site background concentrations are the values from sample S-15.

TABLE J.14

SUMMARY OF DETECTED COMPOUNDS IN OFF-SITE SURFACE WATER SAMPLES
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

	NORTH SECTOR						
	S-10	S-11	S-11	S-20	TOTAL	POSITIVE	MEAN
	SW-WP-099	SW-WP-095	SW-WP-095	SW-WP-027	SAMPLES	DETECTS	
	6/15/94	6/15/94	6/15/94	6/4/94			
PARAMETER			DUP				
VOCs (mg/L)							
Acetone	0.022	0.012	0.013	ND(0.01)	3	2	0.0132
Toluene	0.0096	ND(0.001)	ND(0.001)	ND(0.001)	3	1	0.0035
METALS (mg/L)							
Aluminum	2.1	0.36	0.4	0.21	3	3	0.897
Barium	0.073	0.058	0.058	0.051	3	3	0.0607
Calcium	50	89	88	63	3	3	67.17
Iron	6.9	3.5	3.7	0.65	3	3	3.72
Lead	0.0068	ND(0.003)	ND(0.003)	ND(0.003)	3	1	0.0033
Magnesium	13	21	21	17	3	3	17
Manganese	0.75	0.68	0.69	0.15	3	3	0.528
Potassium	6.3	5.6	5.5	1.1	3	3	4.32
Sodium	6.4	21	21	2.2	3	3	9.87
Zinc	0.077R	0.81	0.83	ND(0.02)	3	1	0.415

J = Associated Value is Estimated
R = Rejected Value
ND = Not Detected
DUP = Duplicate

NOTE :
1) Surface water sample S-9 was not tested due to the absence of surface water.

TABLE J.15

DETERMINATION OF COCs FOR OFF-SITE SURFACE WATER
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

Parameter	*Carc. Class (2)*	*Frequency of Detection (1)*	*Maximum Detected Concentration (mg/l)*	*Oral CSF (2) (1/(mg/kg/d))*	*Carcinogenic Score (3)*	*Fraction of Total Score*	*Oral RfD (2) (mg/kg/d)*	*Non Carcinogenic Score (4)*	*Fraction of Total Score*	*Mean (mg/l)*	*Site Background (mg/l) (5)*	*COCs*
VOCs												
Acetone	D	2/3	0.022	NA	NA	NA	0.1	0.15	9.60E-04	0.013	0.027	
Toluene	D	1/3	0.0096	NA	NA	NA	0.2	0.016	1.10E-04	0.0035	0.0061	
METALS												
Aluminum	NA	3/3	2.1	NA	NA	NA	NA	NA	NA	0.9	18	
Barium	NA	3/3	0.073	NA	NA	NA	0.07	1.04	0.007	0.06	0.17	
Calcium	NA	3/3	89	NA	NA	NA	NA	NA	NA	67.17	63	
Iron	C	3/3	6.9	NA	NA	NA	NA	NA	NA	3.72	55	
Lead	B2	1/3	0.0068	NA	NA	NA	NA	NA	NA	0.0033	0.067	
Magnesium	NA	3/3	21	NA	NA	NA	NA	NA	NA	17	17	
Manganese	D	3/3	0.75	NA	NA	NA	0.005	150	0.99	0.53	1.4	
Potassium	NA	3/3	6.3	NA	NA	NA	NA	NA	NA	4.32	8.6	
Sodium	NA	3/3	6.4	NA	NA	NA	NA	NA	NA	9.87	3.7	
Zinc	D	1/3	0.83	NA	NA	NA	0.3	0.92	0.006	0.42	NA	
TOTAL					NA	NA		152.13	1.00			

Notes:

NA = Not Available
(1) Frequency is the number of detected samples versus the number of samples analyzed.
(2) CSF, RfD, and carcinogenic class are from the EPAs Integrated Risk Information System, Oct, 1995.
(3) Score = detection frequency x maximum concentration x CSF.
(4) Score = detection frequency x (maximum concentration/Rfd).
(5) Site background concentrations are the values from sample S-15.

TABLE J.16

SUMMARY OF DETECTED COMPOUNDS IN ON-SITE AIR SAMPLES
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

PARAMETER	AS-1 A-ML-001 6/8/94	AS-1 A-ML-007 6/8/94 DUP	AS-2 A-ML-002 6/8/94	AS-3 A-ML-003 6/8/94	AS-4 A-ML-004 6/8/94	AS-5 A-ML-005 6/8/94	AS-6 A-ML-006 6/8/94	BG-2 A-ML-009 6/8/94	BG-3 A-ML-010 6/8/94	BG-4 A-ML-011 6/10/94	AS-12 A-ML-001 7/6/94	AS-13 A-ML-002 7/6/94	AS-13 A-ML-003 7/6/94 DUP
VOCs (ppm v/v)													
Acetone	0.016	ND(.01)	ND(.01)	ND(.01)	ND(.01)	ND(.01)	ND(.01)	ND(.01)	ND(.01)	ND(.01)	0.012	ND(.01)	ND(.01)
1,1-Dichloroethene	ND(.002)	ND(.002)	ND(.002)	ND(.002)	ND(.002)	ND(.002)	ND(.002)	ND(.002)	ND(.002)	ND(.002)	ND(.002)	ND(.002)	0.0027

ND = Not Detected
DUP = Duplicate

SUMMARY OF DETECTED COMPOUNDS IN ON-SITE AIR SAMPLES
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

PARAMETER	AS-14 A-KJJ-012 8/30/94	AS-15 A-ML-005 7/6/94	AS-16 A-ML-006 7/6/94	AS-17 A-ML-007 7/6/94	BG-6 A-ML-009 7/6/94	BG-7 A-ML-010 7/6/94	BG-8 A-ML-011 7/6/94	TOTAL SAMPLES	POSITIVE DETECTS	MEAN
VOCs (ppm v/v)										
Acetone	ND(.043)	0.012	ND(.01)	ND(.01)	ND(.01)	ND(.01)	ND(.01)	18	3	0.007
1,1-Dichloroethene	ND(.0086)	ND(.002)	ND(.002)	ND(.002)	ND(.002)	ND(.002)	ND(.002)	18	1	0.0012

ND = Not Detected
DUP = Duplicate

TABLE J.17

DETERMINATION OF COCs FOR ON-SITE AIR
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

Parameter	*Carc. Class (2)*	*Frequency of Detection (1)*	*Maximum Detected Concentration (ppm)*	*Inhalation CSF (2) (1/(mg/kg/d))*	*Carcinogenic Score (3)*	*Fraction of Total Score*	*Inhalation RfD (2) (mg/kg/d)*	*Non Carcinogenic Score (4)*	*Fraction of Total Score*	*Mean (ppm)*	*Site Background (ppm) (5)*	*COCs*
VOCs												
Acetone	D	3/18	0.016	NA	NA	0.00	3	8.89E-04	1.00	0.007	0.011	X
1,1-Dichloroethene	C	1/18	0.0027	0.175	2.63E-05	1.00	NA	ND	0.00	0.0012	NA	X
TOTAL					2.63E-05	1.00		8.89E-04	1.00			

Notes:

ND = Not Detected
NA = Not Available
(1) Frequency is the number of detected samples versus the number of samples analyzed.
(2) CSF, RfD, and carcinogenic class are from the EPAs Integrated Risk Information System, Oct, 1995.
(3) Score = detection frequency x maximum concentration x CSF.
(4) Score = detection frequency x (maximum concentration/Rfd).
(5) Site background concentrations are the mean of samples BG-1 and BG-5.

TABLE J.18

GROUNDWATER/UNIT A/CURRENT SCENARIO
SUMMARY OF MEAN, 95% UCL AND MAXIMUM
DETECTED CONCENTRATIONS FOR COCs
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

	MEAN CONC. (1)	*MAXIMUM DETECTED CONCENTRATION*	*95% UCL* (2)
PARAMETER			
VOCs (ug/L)			
1,1,2,2-Tetrachloroethane	862	9J	1594
1,1,2-Trichloroethane	1932	18000J	3970
1,1-Dichloroethane	864	30	1596
1,2-Dichloroethane	66729	630000J	158104
2-Butanone	7365	16J	14429
4-Methyl-2-pentanone	8974	20000J	16368
Acetone	20600	180000J	44348
Benzene	49112	750000J	125225
Carbon Tetrachloride	7584	63000J	17371
Chloroethane	862	3.8	1595
Chloroform	20373	180000J	44561
Dichloromethane	17854	210000	43095
Tetrachloroethene	1192	8100J	2168
Toluene	2168	32000J	5209
Trichloroethene	2112	9J	5039
SVOCs (ug/L)			
4-Methylphenol	43	54	113
Nitrobenzene	232	2800	606
Phenol	212	2700	595
METALS (mg/L)			
Antimony	0.0603	0.034	0.11
Arsenic	0.0408	0.19	0.07
Barium	0.4906	3.3	0.91
Beryllium	0.0031	0.01	0.0042
Cadmium	0.0212	0.0089	0.05
Chromium	0.1015	0.37	0.16
Cobalt	0.0604	0.27	0.10
Copper	0.1145	0.54	0.21
Lead	0.1183	0.66	0.22
Manganese	5.10	31	9.22
Mercury	0.0008	0.011	0.0023
Nickel	0.1556	0.65	0.26
Selenium	0.0035	0.0083	0.0048
Silver	0.0059	0.013	0.0073
Vanadium	0.0706	0.32	0.12
Zinc	0.5800	2.8	1.12

Notes:

J = Associated value is estimated.
(1) Arithmetic mean concentrations including non-detects at one half the detection limit.
(2) UCL = 95th% upper confidence level of the arithmetic mean which includes non-detects at one half the detection limit.

TABLE J.19A

ESTIMATED MEAN VOC EMISSIONS FROM LEACHATE POOL
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

Leachate Surface Area =	250000 cmΔ
Temperature =	10 °C
Surface Velocity =	0.035 cm/s
Depth of Lagoon =	1 m

Parameters	*Mean Leachate Concentration (mg/L)*	*Molecular Weight (g/mol)*	*Liquid Phase Mass Transfer Coefficient (g-mol/cm2-sec)*	*Mean Emission Rate (g/sec)*
VOCs				
1,1,2,2-Tetrachloroethane	8.62E-01	167.85	2.87E-05	1.11E-04
1,1,2 Trichloroethane	1.93E+00	133.42	3.22E-05	2.80E-04
1,1-Dichloroethane	8.64E-01	98.96	3.73E-05	1.45E-04
1,2 Dichloroethane	6.67E+01	98.96	3.73E-05	1.12E-02
2-Butanone	7.37E+00	72.11	4.37E-05	1.45E-03
4-Methyl-2-Pentanone	8.97E+00	100.16	3.71E-05	1.50E-03
Acetone	2.06E+01	58.08	4.87E-05	4.52E-03
Benzene	4.91E+01	78.10	4.20E-05	9.29E-03
Carbon Tetrachloride	7.58E+00	153.80	3.00E-05	1.02E-03
Chloroethane	8.62E-01	64.52	4.62E-05	1.79E-04
Chloroform	2.04E+01	119.40	3.40E-05	3.12E-03
Dichloromethane	1.79E+01	85.00	4.03E-05	3.24E-03
Tetrachloroethene	1.19E+00	165.90	2.88E-05	1.55E-04
Toluene	2.17E+00	92.00	3.87E-05	3.78E-04
Trichloroethene	2.11E+00	131.39	3.24E-05	3.08E-04
Semi-VOCs				
4-Methylphenol	2.19E-02	108.13	3.57E-05	3.52E-06
Nitrobenzene	2.15E-01	123.11	3.35E-05	3.24E-05
Phenol	1.08E-01	94.10	3.83E-05	1.86E-05

TABLE J.19B

ESTIMATED RME VOC EMISSIONS FROM LEACHATE POOL
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

Leachate Surface Area = 250000 cmΔ
Temperature = 10 °C
Surface Velocity = 0.035 cm/s
Depth of Lagoon = 1 m

Parameters	*RME Leachate Concentration (mg/L)*	*Molecular Weight (g/mol)*	*Liquid Phase Mass Transfer Coefficient (g-mol/cm2-sec)*	*RME Emission Rate (g/sec)*
VOCs				
1,1,2,2-Tetrachloroethane	1.59E+00	167.85	2.87E-05	2.06E-04
1,1,2 Trichloroethane	3.97E+00	133.42	3.22E-05	5.74E-04
1,1-Dichloroethane	1.60E+00	98.96	3.73E-05	2.68E-04
1,2 Dichloroethane	1.58E+02	98.96	3.73E-05	2.66E-02
2-Butanone	1.44E+01	72.11	4.37E-05	2.84E-03
4-Methyl-2-Pentanone	1.64E+01	100.16	3.71E-05	2.73E-03
Acetone	4.43E+01	58.08	4.87E-05	9.73E-03
Benzene	1.25E+02	78.10	4.20E-05	2.37E-02
Carbon Tetrachloride	1.74E+01	153.80	3.00E-05	2.34E-03
Chloroethane	1.60E+00	64.52	4.62E-05	3.32E-04
Chloroform	4.46E+01	119.40	3.40E-05	6.82E-03
Dichloromethane	4.31E+01	85.00	4.03E-05	7.81E-03
Tetrachlroethene	2.17E+00	165.90	2.88E-05	2.81E-04
Toluene	5.21E+00	92.00	3.87E-05	9.08E-04
Trichloroethene	5.04E+00	131.39	3.24E-05	7.35E-04
Semi-VOCs				
4-Methylphenol	5.40E-02	108.13	3.57E-05	8.68E-06
Nitrobenzene	5.70E-01	123.11	3.35E-05	8.59E-05
Phenol	2.90E-01	94.10	3.83E-05	5.00E-05

Notes:

RME - Reasonable Maximum Exposure

TABLE J.20A

FOUR COUNTY LANDFILL SITE
ESTIMATED GROUNDWATER LEVEL VOC CONCENTRATION
FULTON COUNTY, INDIANA

Parameters	*Estimated Mean Emission Rates (1)* *(g/sec)*	*Estimated Maximum Mean Exposure Concentration* *(ug/cu. m)*
VOCs		
1,1,2,2-Tetrachloroethane	1.11E-04	1.81
1,1,2 Trichloroethane	2.80E-04	4.55
1,1-Dichloroethane	1.45E-04	2.36
1,2 Dichloroethane	1.12E-02	182.53
2-Butanone	1.45E-03	23.60
4-Methyl-2-Pentanone	1.50E-03	24.40
Acetone	4.52E-03	73.55
Benzene	9.29E-03	151.22
Carbon Tetrachloride	1.02E-03	16.64
Chlororthane	1.79E-04	2.92
Chloroform	3.12E-03	50.73
Dichloromethane	3.24E-03	52.70
Tetrachloroethene	1.55E-04	2.52
Toluene	3.78E-04	6.15
Trichloroethene	3.08E-04	5.01
Semi-VOCs		
4-Methylphenol	3.52E-06	0.06
Nitrobenzene	3.24E-05	0.53
Phenol	1.86E-05	0.30

Note:
(1) From Table 19A.

TABLE J.20B

FOUR COUNTY LANDFILL SITE
ESTIMATED GROUNDWATER LEVEL VOC CONCENTRATION
FULTON COUNTY, INDIANA

Parameters	*Estimated RME Emission Rates (1) (g/sec)*	*Estimated Maximum RME Exposure Concentration (ug/cu. m)*
VOCs		
1,1,2,2-Tetrachloroethane	2.06E-04	3.35
1,1,2 Trichloroethane	5.74E-04	9.35
1,1-Dichloroethane	2.68E-04	4.37
1,2 Dichloroethane	2.66E-02	432.48
2-Butanone	2.84E-03	46.24
4-Methyl-2-Pentanone	2.73E-03	44.50
Acetone	9.73E-03	158.35
Benzene	2.37E-02	385.58
Carbon Tetrachloride	2.34E-03	38.12
Chloroethane	3.32E-04	5.40
Chloroform	6.82E-03	110.97
Dichloromethane	7.81E-03	127.20
Tetrachloroethene	2.81E-04	4.58
Toluene	9.08E-04	14.78
Trichloroethene	7.35E-04	11.96
Semi-VOCs		
4-Methylphenol	8.68E-06	0.14
Nitrobenzene	8.59E-05	1.40
Phenol	5.00E-05	0.81

Note:
(1) From Table 19B.
RME - Reasonable Maximum Exposure

TABLE J.21

GROUNDWATER VAPOR/UNIT A/CURRENT USE SCENARIO
SUMMARY OF MEAN AND 95% UCL CONCENTRATIONS FOR COCs
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

	MEAN CONC.	*95% UCL*
	(1)	*(2)*
PARAMETER		
VOCs (mg/m3)		
1,1,2,2-Tetrachloroethane	0.00181	0.00335
1,1,2-Trichloroethane	0.00455	0.00935
1,1-Dichloroethane	0.00236	0.00437
1,2-Dichloroethane	0.18253	0.43248
2-Butanone	0.0236	0.04624
4-Methyl-2-pentanone	0.0244	0.0445
Acetone	0.07355	0.15835
Benzene	0.15122	0.38535
Carbon Tetrachloride	0.01664	0.03812
Chloroethane	0.00292	0.0054
Chloroform	0.05073	0.11097
Dichloromethane	0.0527	0.1272
Tetrachloroethene	0.00252	0.00458
Toluene	0.00615	0.01478
Trichloroethene	0.00501	0.01196
SVOCs (mg/m3)		
4-Methylphenol	0.00006	0.00014
Nitrobenzene	0.00053	0.0014
Phenol	0.0003	0.00081

Notes:

J = Associated value is estimated.

(1) Arithmetic mean concentrations including non-detects at one half the detection limit.

(2) UCL = 95th% upper confidence level of the arithmetic mean which includes non-detects at one half the detection limit.

TABLE J.22

GROUND WATER - ON-SITE/FUTURE USE SCENARIO
SUMMARY OF MEAN, 95% UCL, AND
MAXIMUM DETECTED CONCENTRATIONS FOR COCs
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

PARAMETER	*MEAN CONC.* (1)	*MAXIMUM DETECTED CONCENTRATION*	*95% UCL* (2)
VOCs (ug/L)			
Benzene	31.26	1900J	87.21
Chloroform	1.00	20J	1.61
1,2-Dichloroethane	30.82	1300J	70.59
Dichloromethane	1.69	63J	3.55
Trichloroethene	0.87	25J	1.59
Vinyl Chloride	0.62	6.4J	0.80
METALS (mg/L)			
Arsenic	0.015	0.087	0.02
Barium	0.13	0.72	0.16
Beryllium	0.003	0.008J	0.0029
Cadmium	0.003	0.015	0.003
Chromium	0.044	0.29	0.06
Cobalt	0.017	0.15	0.024
Copper	0.039	0.52	0.062
Lead	0.024	0.29	0.035
Manganese	1.12	8.6	1.63
Mercury	0.00015	0.00023	0.00017
Nickel	0.049	0.42	0.068
Silver	0.005	0.012	0.0054
Thallium	0.005	0.017	0.0056
Vanadium	0.027	0.27	0.04
Zinc	0.22	1.9	0.39

Notes:

J = Associated value is estimated.

(1) Arithmetic mean concentrations including non-detects at one half the detection limit.

(2) UCL = 95th% upper confidence level of the arithmetic mean which includes non-detects at one half the detection limit.

TABLE J.23

GROUND WATER - ON SITE/DOWNGRADIENT PERIMETER/CURRENT USE SCENARIO
SUMMARY OF MEAN, 95% UCL AND MAXIMUM
DETECTED CONCENTRATIONS FOR COCs
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

PARAMETER	*MEAN CONC.* (1)	*MAXIMUM CONCENTRATION DETECTED*	*95% UCL CONC. DETECTED* (2)
VOCs (ug/L)			
1,2-Dichloroethane	18.20	360	40.83
Dichloromethane	0.63	1.4	0.77
Vinyl Chloride	0.57	2.4	0.68
METALS (mg/L)			
Arsenic	0.012	0.068	0.017
Barium	0.11	0.41	0.13
Chromium	0.032	0.23	0.05
Cobalt	0.011	0.066	0.017
Copper	0.022	0.15	0.034
Lead	0.014	0.11	0.022
Manganese	0.87	8.6	1.56
Nickel	0.035	0.17	0.051
Vanadium	0.016	0.11	0.026
Zinc	0.079	0.57	0.14

J = Associated value is estimated.

(1) Arithmetic mean concentrations including non-detects at one half the detection limit.

(2) UCL = 95th% upper confidence level of the arithmetic mean which includes non-detects at one half the detection limit.

TABLE J.24

SEDIMENT - ON SITE
SUMMARY OF MEAN, 95% UCL,
AND MAXIMUM DETECTED CONCENTRATIONS FOR COCs
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

Northeast Pond Sector (1) (3)	*Mean*	*Maximum Concentration Detected*	*95% UCL*
METAL (mg/kg)			
Beryllium	0.447	0.79	0.638
Nickel	30	41	40.64
Southwest Pond Sector (2)			
METAL (mg/kg)			
Beryllium	ND	ND	ND
Nickel	19	19	NA

Notes:

ND = Not Detected
NA = Not Available
(1) Arithmetic mean concentrations including non-detects at one-half of the detection limit, but not including rejected values. Based on sampling locations: S-1, S-2, S-3, S-4, S-5, S-6, and S-7.
(2) There is only one sampling point for this sector: S-8. Therefore no 95th% UCL can be calculated.
(3) 95th% UCL of the arithmetic mean which includes non-detects at one-half of the detection limit.

TABLE J.25

SEDIMENT - OFF SITE
SUMMARY OF MEAN, 95% UCL,
AND MAXIMUM DETECTED CONCENTRATIONS FOR COCs
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

North Sector (2)	*Mean*	*Maximum Concentration Detected*	*95% UCL (1)*
METALS (mg/kg)			
Antimony	ND	ND	ND
Beryllium	0.29	0.6	0.43
East Sector (3)			
METALS (mg/kg)			
Antimony	ND	ND	ND
Beryllium	0.43	0.79	1.2
West Sector (4)			
METALS (mg/kg)			
Antimony	4.57	6.7	9.22
Beryllium	0.58	0.66	0.75

Notes:

ND = Not Detected

(1) 95th% UCL of the arithmetic mean which includes non-detects at one-half of the detection limit.

(2) North Sector: arithmetic mean concentrations including non-detects at one-half of the detection limit. Based on sampling locations: S-9, S-10, S-11, and S-20.

(3) East Sector: same as (2) but based on sampling locations: S-12, S-13 and S-14.

(4) West Sector: same as (2) but based on sampling locations: S-17, S-18 and S-19.

TABLE J.26

AIR - ON SITE
SUMMARY OF MEAN, 95% UCL,
AND MAXIMUM DETECTED CONCENTRATIONS FOR COCs
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

Entire Site	*Mean* (1)	*Maximum Concentration Detected*	*95% UCL* (2)
VOCs (ppm v/v)			
Acetone	0.007	0.016	0.0092
1,1-Dichloroethene	0.0012	0.0027	0.0016

Notes:

(1) Arithmetic mean concentrations including non-detects at one-half of the detection limit. Based on sampling locations: AS-1, AS-2, AS-3, AS-4, AS-5, AS-6, AS-12, AS-13, AS-14, AS-15, AS-16, AS-17, BG-2, BG-3, BG-4, BG-6, BG-7, and BG-8.

(2) 95th% UCL of the arithmetic mean which includes non-detects at one-half of the detection limit.

TABLE J.27

SUMMARY OF ESTIMATED RISK AND HAZARD ANALYSIS
CONSTRUCTION WORKER/GROUNDWATER/ON SITE/CURRENT USE
UNIT A
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

	Estimated Cancer Risk		*Hazard Index*	
UNIT A - GROUNDWATER	*Mean*	*RME*	*Mean*	*RME*
CONSTRUCTION WORKER				
Dermal/Ingestion Risk :	2.83E-06	3.65E-05	2.10E-04	2.36E-03
CONSTRUCTION WORKER				
Inhalation Risk :	1.47E-06	1.04E-05	5.93E-03	3.67E-02
TOTAL :	4.30E-06	4.69E-05	6.14E-03	3.91E-02

TABLE J.28

SUMMARY OF ESTIMATED RISK AND HAZARD ANALYSIS
RESIDENTIAL/DRINKING WATER + BATH AND SHOWER/CURRENT USE
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

	Estimated Cancer Risk (1)		*Hazard Index (1)*	
Downgradient Perimeter Wells	*Mean*	*RME*	*Mean*	*RME*
VOCs				
1,2-Dichloroethane	1.78E-05	1.05E-04	0.00E+00	0.00E+00
Dichloromethane	5.08E-08	1.62E-07	1.26E-03	1.54E-03
Vinyl Chloride	1.16E-05	3.63E-05	0.00E+00	0.00E+00
METALS (TOTAL)				
Arsenic	9.68E-05	3.59E-04	2.40E+00	3.40E+00
Barium	0.00E+00	0.00E+00	9.42E-02	1.11E-01
Chromium	0.00E+00	0.00E+00	1.92E-03	3.00E-03
Cobalt	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Copper	0.00E+00	0.00E+00	3.56E-02	5.51E-02
Lead	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Manganese	0.00E+00	0.00E+00	1.12E+00	2.00E+00
Nickel	0.00E+00	0.00E+00	1.05E-01	1.53E-01
Vandium	0.00E+00	0.00E+00	1.37E-01	2.23E-01
Zinc	0.00E+00	0.00E+00	1.58E-02	2.80E-02
Total	1.26E-04	5.00E-04	3.91E+00	5.97E+00

Notes:

(1) Based on sampling locations listed in Table J.1.

TABLE J.29

SUMMARY OF ESTIMATED RISK AND HAZARD ANALYSIS
RESIDENTIAL/DRINKING WATER + BATH AND SHOWER/FUTURE USE
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

	Estimated Cancer Risk (1)		*Hazard Index (1)*	
Entire Site Wells	*Mean*	*RME*	*Mean*	*RME*
VOCs				
Benzene	9.75E-06	7.11E-05	0.00E+00	0.00E+00
Chloroform	6.56E-08	2.76E-07	1.20E-02	1.93E-02
1,2-Dichloroethane	3.02E-05	1.81E-04	0.00E+00	0.00E+00
Dichloromethane	1.36E-07	7.49E-07	3.38E-03	7.09E-03
Trichloroethene	1.03E-07	4.92E-07	0.00E+00	0.00E+00
Vinyl Chloride	1.27E-05	4.28E-05	0.00E+00	0.00E+00
METALS (TOTAL)				
Arsenic	1.21E-04	4.22E-04	3.00E+00	4.00E+00
Barium	0.00E+00	0.00E+00	1.11E-01	1.37E-01
Beryllium	6.94E-05	1.75E-04	3.60E-02	3.48E-02
Cadmium	0.00E+00	0.00E+00	3.60E-01	3.60E-01
Chromium	0.00E+00	0.00E+00	2.64E-03	3.60E-03
Cobalt	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Copper	0.00E+00	0.00E+00	6.32E-02	1.00E-01
Lead	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Manganese	0.00E+00	0.00E+00	1.44E+00	2.09E+00
Mercury	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Nickel	0.00E+00	0.00E+00	1.47E-01	2.04E-01
Silver	0.00E+00	0.00E+00	5.99E-02	6.47E-02
Thallium	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Vandium	0.00E+00	0.00E+00	2.31E-01	3.42E-01
Zinc	0.00E+00	0.00E+00	4.39E-02	7.79E-02
Total	2.43E-04	8.93E-04	5.51E+00	7.44E+00

Notes:

(1) Based on sampling locations listed in Table J.1.

TABLE J.30

SUMMARY OF ESTIMATED RISK AND HAZARD ANALYSIS
TRESPASSER/SEDIMENT - ON SITE
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

	Estimated Cancer Risk		*Hazard Index*	
Northeast Pond Sector (1)	*Mean*	*RME*	*Mean*	*RME*
METAL (mg/kg)				
Beryllium	3.21E-08	4.21E-07	1.16E-05	4.56E-05
Nickel	0.00E+00	0.00E+00	1.95E-04	7.27E-04
Total	3.21E-08	4.21E-07	2.06E-04	7.72E-04
Southwest Pond Sector (2)				
METAL (mg/kg)				
Beryllium	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Nickel	0.00E+00	0.00E+00	1.23E-04	3.40E-04
Total	0.00E+00	0.00E+00	1.23E-04	3.40E-04

Notes:

(1) Based on sampling locations: S-1, S-2, S-3, S-4, S-5, S-6, and S-7.
(2) There is only one sampling point for this sector: S-8.

TABLE J.31

SUMMARY OF ESTIMATED RISK AND HAZARD ANALYSIS
INDUSTRIAL WORKER/SEDIMENT - ON SITE
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

	Estimated Cancer Risk		*Hazard Index*	
Northeast Pond Sector (1)	*Mean*	*RME*	*Mean*	*RME*
METAL (mg/kg)				
Beryllium	1.62E-08	2.35E-07	2.12E-06	3.07E-05
Nickel	0.00E+00	0.00E+00	3.55E-05	4.88E-04
Total	1.62E-08	2.35E-07	3.76E-05	5.19E-04
Southwest Pond Sector (2)				
METAL (mg/kg)				
Beryllium	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Nickel	0.00E+00	0.00E+00	2.25E-05	2.28E-04
Total	0.00E+00	0.00E+00	2.25E-05	2.28E-04

Notes:

(1) Based on sampling locations: S-1, S-2, S-3, S-4, S-5, S-6, and S-7.
(2) There is only one sampling point for this sector: S-8.

TABLE J.32

SUMMARY OF ESTIMATED RISK AND HAZARD ANALYSIS
HIKER - RECREATIONAL/SEDIMENT - OFF SITE
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

	Estimated Cancer Risk		*Hazard Index*	
North Sector (1)	*Mean*	*RME*	*Mean*	*RME*
METAL (mg/kg)				
Antimony	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Beryllium	4.16E-08	5.67E-07	1.50E-05	6.15E-05
Total	4.16E-08	5.67E-07	1.50E-05	6.15E-05
East Sector (2)				
METAL (mg/kg)				
Antimony	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Beryllium	6.17E-08	1.04E-06	2.23E-05	1.13E-04
Total	6.17E-08	1.04E-06	2.23E-05	1.13E-04
West Sector (3)				
METAL (mg/kg)				
Antimony	0.00E+00	0.00E+00	2.96E-03	1.20E-02
Beryllium	8.32E-08	8.70E-07	3.01E-05	9.44E-05
Total	8.32E-08	8.70E-07	2.99E-03	1.21E-02

Notes:

(1) Based on sampling locations: S-9, S-10, S-11, and S-20.
(2) Based on sampling locations: S-12, S-13, and S-14.
(3) Based on sampling locations: S-17, S-18 and S-19.

TABLE J.33

SUMMARY OF ESTIMATED RISK AND HAZARD ANALYSIS
RESIDENTIAL/SEDIMENT - OFF SITE
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

	Estimated Cancer Risk		*Hazard Index*	
North Sector (1)	*Mean*	*RME*	*Mean*	*RME*
METAL (mg/kg)				
Antimony	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Beryllium	1.23E-06	3.37E-06	7.32E-04	1.30E-03
Total	1.23E-06	3.37E-06	7.32E-04	1.30E-03
East Sector (2)				
METAL (mg/kg)				
Antimony	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Beryllium	1.83E-06	6.20E-06	1.08E-03	2.39E-03
Total	1.83E-06	6.20E-06	1.08E-03	2.39E-03
West Sector (3)				
METAL (mg/kg)				
Antimony	0.00E+00	0.00E+00	1.44E-01	2.53E-01
Beryllium	2.46E-06	5.18E-06	1.46E-03	2.00E-03
Total	2.46E-06	5.18E-06	1.46E-01	2.55E-01

Notes:

(1) Based on sampling locations: S-9, S-10, S-11, and S-20.
(2) Based on sampling locations: S-12, S-13, and S-14.
(3) Based on sampling locations: S-17, S-18 and S-19.

TABLE J.34

SUMMARY OF ESTIMATED RISK AND HAZARD ANALYSIS
INDUSTRIAL WORKER/AMBIENT AIR
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

	Estimated Cancer Risk (1)		*Hazard Index (1)*	
Entire Site	*Mean*	*RME*	*Mean*	*RME*
VOCs (mg/m^3)				
Acetone	0.00E+00	0.00E+00	2.09E-05	1.25E-04
1,1-Dichloroethene	6.60E-07	3.96E-06	0.00E+00 (2)	0.00E+00 (2)
Total	6.60E-07	3.96E-06	2.09E-05	1.25E-04

Notes:

(1) Based on maximum reported concentrations at monitoring stations on-Site.
(2) RfD not available.

TABLE J.35

SUMMARY OF ESTIMATED RISK AND HAZARD ANALYSIS
RESIDENTIAL/AMBIENT AIR
FOUR COUNTY LANDFILL SITE
FULTON COUNTY, INDIANA

	Estimated Cancer Risk (1)		*Hazard Index (1)*	
Entire Site	*Mean*	*RME*	*Mean*	*RME*
VOCs (mg/m^3)				
Acetone	0.00E+00	0.00E+00	4.47E-04	8.82E-04
1,1-Dichloroethene	3.53E-06	1.40E-05	0.00E+00 (2)	0.00E+00 (2)
Total	3.53E-06	1.40E-05	4.47E-04	8.82E-04

Notes:

(1) Based on sampling locations: AS-1, AS-2, AS-3, AS-4, AS-5, AS-6, AS-12, AS-13, AS-14, AS-15, AS-16, AS-17, BG-2, BG-3, BG-4, BG-6, BG-7, and BG-8.
(2) RfD not available.

TABLE : J.36

EXPOSURE SCENARIO FORMULA AND ASSUMPTIONS

EXPOSURE SCENARIO : CONSTRUCTION WORKER
MEDIA: GROUND WATER
SITE : FOUR COUNTY
SECTOR : UNIT A
LOCATION : ON-SITE

EQUATION : INTAKE (mg/kg-day) = $\frac{CW \times SA \times PC \times CF \times ET \times EF \times ED}{BW \times AT} + \frac{CW \times IR \times EF \times ET \times ED}{BW \times AT}$

where :

CW = Chemical Concentration in Water (mg/liter)
IR = Ingestion Rate (litres/hour)
SA = Skin Surface Area Avaiable for Contact (cm2/event)
PC = Permeability Constant (cm/hr)
CF = Conversion Factor (1 Litre/1000cm3 = 0.001)
ET = Exposure Time (hours/day)
EF = Exposure Frequency (days/year)
ED = Exposure Duration (years)
BW = Body Weight (kg)
AT = Averaging Time - period over which exposure is averaged (days)

VARIABLE	MEAN	RME	REFERENCES:
CW (mg/liter)	MEAN	95th %	RAGS (1,2)
IR adult (L/hour)	0.01	0.02	RAGS (1,2)
SA adult (cm2)	4750	6350	TOTAL BODY - EFH(3)
PC (cm/hr)	0.0008	0.0008	SEAM (4)
CF (L/cm3)	0.001	0.001	RAGS (1,2)
ET (hrs/day)	8	8	RAGS (1,2)
EF (days/yr)	5	15	PROFESSIONAL JUDGEMENT
ED - carc. (adult) (yr)	1	1	RAGS (1,2)
ED - non-carc. (yr)	1	1	RAGS (1,2)
BW adult (kg)	70	70	RAGS (1,2)
AT - carcinogen (70 years x 365 days/yr)	25550	25550	RAGS (1,2)
AT - non-carcinogen (ED x 365 days/yr)	365	365	RAGS (1,2)

NOTES :
(1) EPA "RISK ASSESSMENT GUIDANCE FOR SUPERFUND" MANUAL, DECEMBER 1989; EPA/540/1-89/002.
(2) SUPPLEMENTAL GUIDANCE: "STANDARD DEFAULT EXPOSURE FACTORS", OSWER DIRECTIVE: 9285.6-03, MARCH 25, 1991.
(3) EXPOSURE FACTORS HANDBOOK, MARCH 1990, EPA/600/8-89/043.
(4) SUPERFUND EXPOSURE ASSESSMENT MANUAL, EPA/540/1-88/001, APRIL 1988.

TABLE : J.37

MEDIA CONCENTRATIONS/CONSTANTS

SITE : FOUR COUNTY
SECTOR : UNIT A
LOCATION : ON-SITE
MEDIA : GROUND WATER
EXPOSURE SCENARIO : CONSTRUCTION WORKER

	MEDIA CONCENTRATION			
PARAMETER	MEAN mg/L	RME mg/L	ORAL CSF 1/(mg/kg/d)	ORAL RfD mg/kg/d
VOCs				
1,1,2,2-TETRACHLOROETHANE	8.62E-01	1.59E+00	2.00E-01	NA
1,1,2-TRICHLOROETHANE	1.93E+00	3.97E+00	5.70E-02	4.00E-03
1,1-DICHLOROETHANE	8.64E-01	1.60E+00	NA	1.00E-01
1,2-DICHLOROETHANE	6.67E+01	1.58E+02	9.10E-02	NA
2-BUTANONE	7.37E+00	1.44E+01	NA	6.00E-01
4-METHYL-2-PENTANONE	8.97E+00	1.64E+01	NA	8.00E-02
ACETONE	2.06E+01	4.43E+01	NA	1.00E-01
BENZENE	4.91E+01	1.25E+02	2.90E-02	NA
CARBON TETRACHLORIDE	7.58E+00	1.74E+01	1.30E-01	7.00E-04
CHLOROETHANE	8.62E-01	1.60E+00	NA	NA
CHLOROFORM	2.04E+01	4.46E+01	6.10E-03	1.00E-02
DICHLOROMETHANE	1.79E+01	4.31E+01	7.50E-03	6.00E-02
TETRACHLOROETHENE	1.19E+00	2.17E+00	5.10E-02	1.00E-02
TOLUENE	2.17E+00	5.21E+00	NA	2.00E-01
TRICHLOROETHENE	2.11E+00	5.04E+00	1.10E-02	NA
SVOCs				
4-METHYLPHENOL	4.30E-02	1.13E-01	NA	5.00E-03
NITROBENZENE	2.32E-01	6.06E-01	NA	5.00E-04
PHENOL	2.12E-01	5.95E-01	NA	6.00E-01
METALS				
ANTIMONY	6.03E-02	1.10E-01	NA	4.00E-04
ARSENIC	4.08E-02	7.00E-02	1.50E+00	3.00E-04
BARIUM	4.91E-01	9.10E-01	NA	7.00E-02
BERYLLIUM	3.10E-03	4.20E-03	4.30E+00	5.00E-03
CADMIUM	2.12E-02	5.00E-02	NA	5.00E-04
CHROMIUM	1.02E-01	1.60E-01	NA	1.00E+00
COBALT	6.04E-02	1.00E-01	NA	NA
COPPER	1.15E-01	2.10E-01	NA	3.70E-02
LEAD	1.18E-01	2.20E-01	NA	NA
MANGANESE	5.10E+00	9.22E+00	NA	4.67E-02
MERCURY	8.00E-04	2.30E-03	NA	NA
NICKEL	1.56E-01	2.60E-01	NA	2.00E-02
SELENIUM	3.50E-03	4.80E-03	NA	5.00E-03
SILVER	5.90E-03	7.30E-03	NA	5.00E-03
VANADIUM	7.06E-02	1.20E-01	NA	7.00E-03
ZINC	5.80E-01	1.12E+00	NA	3.00E-01

NA = NOT AVAILABLE

TABLE : J.38

EXPOSURE, RISK AND HAZARD CALCULATIONS

SITE : FOUR COUNTY
SECTOR : UNIT A
LOCATION : ON-SITE
MEDIA : GROUND WATER
EXPOSURE SCENARIO : CONSTRUCTION WORKER

	LIFETIME AVERAGE DAILY INTAKE (mg/kg/day)		LIFETIME UPPER BOUND EXCESS CANCER RISK		ANNUAL AVERAGE DAILY INTAKE (mg/kg/d)		HAZARD QUOTIENT CDI/RfD	
PARAMETER	MEAN	RME	MEAN	95th %	MEAN	95th %	MEAN	95th %
VOC								
1,1,2,2-TETRACHLOROETHANE	2.66E-07	2.68E-06	5.32E-08	5.36E-07	1.86E-05	1.88E-04	0.00E+00	0.00E+00
1,1,2-TRICHLOROETHANE	5.96E-07	6.68E-06	3.40E-08	3.81E-07	4.17E-05	4.68E-04	1.67E-07	1.87E-06
1,1-DICHLOROETHANE	2.67E-07	2.69E-06	0.00E+00	0.00E+00	1.87E-05	1.88E-04	1.87E-06	1.88E-05
1,2-DICHLOROETHANE	2.06E-05	2.66E-04	1.87E-06	2.42E-05	1.44E-03	1.86E-02	0.00E+00	0.00E+00
2-BUTANONE	2.27E-06	2.43E-05	0.00E+00	0.00E+00	1.59E-04	1.70E-03	9.55E-05	1.02E-03
4-METHYL-2-PENTANONE	2.77E-06	2.75E-05	0.00E+00	0.00E+00	1.94E-04	1.93E-03	1.55E-05	1.54E-04
ACETONE	6.36E-06	7.46E-05	0.00E+00	0.00E+00	4.45E-04	5.22E-03	4.45E-05	5.22E-04
BENZENE	1.52E-05	2.11E-04	4.40E-07	6.11E-06	1.06E-03	1.47E-02	0.00E+00	0.00E+00
CARBON TETRACHLORIDE	2.34E-06	2.92E-05	3.04E-07	3.80E-06	1.64E-04	2.05E-03	1.15E-07	1.43E-06
CHLOROETHANE	2.66E-07	2.68E-06	0.00E+00	0.00E+00	1.86E-05	1.88E-04	0.00E+00	0.00E+00
CHLOROFORM	6.29E-06	7.50E-05	3.84E-08	4.57E-07	4.40E-04	5.25E-03	4.40E-06	5.25E-05
DICHLOROMETHANE	5.51E-06	7.25E-05	4.13E-08	5.44E-07	3.86E-04	5.08E-03	2.31E-05	3.05E-04
TETRACHLOROETHENE	3.68E-07	3.65E-06	1.88E-08	1.86E-07	2.58E-05	2.55E-04	2.58E-07	2.55E-06
TOLUENE	6.69E-07	8.77E-06	0.00E+00	0.00E+00	4.68E-05	6.14E-04	9.37E-06	1.23E-04
TRICHLOROETHENE	6.52E-07	8.48E-06	7.17E-09	9.33E-08	4.56E-05	5.94E-04	0.00E+00	0.00E+00
SVOCs								
4-METHYLPHENOL	1.33E-08	1.90E-07	0.00E+00	0.00E+00	9.29E-07	1.33E-05	4.65E-09	6.66E-08
NITROBENZENE	7.16E-08	1.02E-06	0.00E+00	0.00E+00	5.01E-06	7.14E-05	2.51E-09	3.57E-08
PHENOL	6.54E-08	1.00E-06	0.00E+00	0.00E+00	4.58E-06	7.01E-05	2.75E-06	4.21E-05
METALS								
ANTIMONY	1.86E-08	1.85E-07	0.00E+00	0.00E+00	1.30E-06	1.30E-05	5.21E-10	5.18E-09
ARSENIC	1.26E-08	1.18E-07	1.89E-08	1.77E-07	8.81E-07	8.25E-06	2.64E-10	2.47E-09
BARIUM	1.51E-07	1.53E-06	0.00E+00	0.00E+00	1.06E-05	1.07E-04	7.42E-07	7.50E-06
BERYLLIUM	9.57E-10	7.07E-09	4.11E-09	3.04E-08	6.70E-08	4.95E-07	3.35E-10	2.47E-09
CADMIUM	6.54E-09	8.41E-08	0.00E+00	0.00E+00	4.58E-07	5.89E-06	2.29E-10	2.94E-09
CHROMIUM	3.13E-08	2.69E-07	0.00E+00	0.00E+00	2.19E-06	1.88E-05	2.19E-06	1.88E-05
COBALT	1.86E-08	1.68E-07	0.00E+00	0.00E+00	1.30E-06	1.18E-05	0.00E+00	0.00E+00
COPPER	3.53E-08	3.53E-07	0.00E+00	0.00E+00	2.47E-06	2.47E-05	9.15E-08	9.15E-07
LEAD	3.65E-08	3.70E-07	0.00E+00	0.00E+00	2.56E-06	2.59E-05	0.00E+00	0.00E+00
MANGANESE	1.57E-06	1.55E-05	0.00E+00	0.00E+00	1.10E-04	1.09E-03	5.15E-06	5.07E-05
MERCURY	2.47E-10	3.87E-09	0.00E+00	0.00E+00	1.73E-08	2.71E-07	0.00E+00	0.00E+00
NICKEL	4.80E-08	4.38E-07	0.00E+00	0.00E+00	3.36E-06	3.06E-05	6.72E-08	6.13E-07
SELENIUM	1.08E-09	8.08E-09	0.00E+00	0.00E+00	7.56E-08	5.65E-07	3.78E-10	2.83E-09
SILVER	1.82E-09	1.23E-08	0.00E+00	0.00E+00	1.27E-07	8.60E-07	6.37E-10	4.30E-09
VANADIUM	2.18E-08	2.02E-07	0.00E+00	0.00E+00	1.53E-06	1.41E-05	1.07E-08	9.89E-08
ZINC	1.79E-07	1.88E-06	0.00E+00	0.00E+00	1.25E-05	1.32E-04	3.76E-06	3.96E-05
TOTAL ADDITIONAL ESTIMATED CANCER RISKS:			2.83E-06	3.65E-05	HAZARD INDEX :		2.10E-04	2.36E-03

TABLE : J.39

SUMMARY TABLE

SITE : FOUR COUNTY
SECTOR : UNIT A
LOCATION : ON-SITE
MEDIA : GROUND WATER
EXPOSURE SCENARIO : CONSTRUCTION WORKER

	MEDIA CONCENTRATION		LIFETIME UPPER BOUND EXCESS CANCER RISK		HAZARD QUOTIENT CDI/RfD	
PARAMETER	MEAN mg/L	RME mg/L	MEAN	95th %	MEAN	95th %
VOC						
1,1,2,2-TETRACHLOROETHANE	8.62E-01	1.59E+00	5.32E-08	5.36E-07	0.00E+00	0.00E+00
1,1,2-TRICHLOROETHANE	1.93E+00	3.97E+00	3.40E-08	3.81E-07	1.67E-07	1.87E-06
1,1-DICHLOROETHANE	8.64E-01	1.60E+00	0.00E+00	0.00E+00	1.87E-06	1.88E-05
1,2-DICHLOROETHANE	6.67E+01	1.58E+02	1.87E-06	2.42E-05	0.00E+00	0.00E+00
2-BUTANONE	7.37E+00	1.44E+01	0.00E+00	0.00E+00	9.55E-05	1.02E-03
4-METHYL-2-PENTANONE	8.97E+00	1.64E+01	0.00E+00	0.00E+00	1.55E-05	1.54E-04
ACETONE	2.06E+01	4.43E+01	0.00E+00	0.00E+00	4.45E-05	5.22E-04
BENZENE	4.91E+01	1.25E+02	4.40E-07	6.11E-06	0.00E+00	0.00E+00
CARBON TETRACHLORIDE	7.58E+00	1.74E+01	3.04E-07	3.80E-06	1.15E-07	1.43E-06
CHLOROETHANE	8.62E-01	1.60E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHLOROFORM	2.04E+01	4.46E+01	3.84E-08	4.57E-07	4.40E-06	5.25E-05
DICHLOROMETHANE	1.79E+01	4.31E+01	4.13E-08	5.44E-07	2.31E-05	3.05E-04
ETRACHLOROETHENE	1.19E+00	2.17E+00	1.88E-08	1.86E-07	2.58E-07	2.55E-06
TOLUENE	2.17E+00	5.21E+00	0.00E+00	0.00E+00	9.37E-06	1.23E-04
TRICHLOROETHENE	2.11E+00	5.04E+00	7.17E-09	9.33E-08	0.00E+00	0.00E+00
SVOCs						
4-METHYLPHENOL	4.30E-02	1.13E-01	0.00E+00	0.00E+00	4.65E-09	6.66E-08
NITROBENZENE	2.32E-01	6.06E-01	0.00E+00	0.00E+00	2.51E-09	3.57E-08
PHENOL	2.12E-01	5.95E-01	0.00E+00	0.00E+00	2.75E-06	4.21E-05
METALS						
ANTIMONY	6.03E-02	1.10E-01	0.00E+00	0.00E+00	5.21E-10	5.18E-09
ARSENIC	4.08E-02	7.00E-02	1.89E-08	1.77E-07	2.64E-10	2.47E-09
BARIUM	4.91E-01	9.10E-01	0.00E+00	0.00E+00	7.42E-07	7.50E-06
BERYLLIUM	3.10E-03	4.20E-03	4.11E-09	3.04E-08	3.35E-10	2.47E-09
CADMIUM	2.12E-02	5.00E-02	0.00E+00	0.00E+00	2.29E-10	2.94E-09
CHROMIUM	1.02E-01	1.60E-01	0.00E+00	0.00E+00	2.19E-06	1.88E-05
COBALT	6.04E-02	1.00E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00
COPPER	1.15E-01	2.10E-01	0.00E+00	0.00E+00	9.15E-08	9.15E-07
LEAD	1.18E-01	2.20E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MANGANESE	5.10E+00	9.22E+00	0.00E+00	0.00E+00	5.15E-06	5.07E-05
MERCURY	8.00E-04	2.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NICKEL	1.56E-01	2.60E-01	0.00E+00	0.00E+00	6.72E-08	6.13E-07
SELENIUM	3.50E-03	4.80E-03	0.00E+00	0.00E+00	3.78E-10	2.83E-09
SILVER	5.90E-03	7.30E-03	0.00E+00	0.00E+00	6.37E-10	4.30E-09
VANADIUM	7.06E-02	1.20E-01	0.00E+00	0.00E+00	1.07E-08	9.89E-08
ZINC	5.80E-01	1.12E+00	0.00E+00	0.00E+00	3.76E-06	3.96E-05
	TOTAL ADDITIONAL ESTIMATED CANCER RISKS:				HAZARD INDEX :	
			2.83E-06	3.65E-05	2.10E-04	2.36E-03

TABLE : J.40

EXPOSURE SCENARIO FORMULA AND ASSUMPTIONS

EXPOSURE SCENARIO : CONSTRUCTION WORKER
MEDIA: AIR
SITE : FOUR COUNTY
SECTOR : UNIT A
LOCATION : ON-SITE

EQUATION : INTAKE (mg/kg-day) = $\frac{CA \times IR \times ET \times EF \times ED}{AT \times BW}$

where :
CA = Chemical Concentration in Air (mg/m3)
IR = Inhalation Rate (m3/hour)
ET = Exposure Time (hours/day)
EF = Exposure Frequency (days/years)
ED = Exposure Duration (years)
BW = Body Weight (kg)
AT = Averaging Time (period over which exposure is averaged -- days)

VARIABLE ASSUMPTIONS	MEAN	RME	REFERENCES
CA (mg/m3)	MEAN	95th %	RAGS (1, 2)
IR - adult (m3/hour)	2.5	2.5	RAGS (1, 2); EFH (3)
ET - (hours/day)	8	8	RAGS (1, 2)
EF - (days/year)	5	15	PROFESSIONAL JUDGEMENT
ED - carcinogen (adult) (years)	1	1	RAGS (1, 2)
ED - non-carcinogen (years)	1	1	RAGS (1, 2)
BW (adult) kg	70	70	RAGS (1, 2)
AT (carcinogen) (70 yrs x 365 days/yr)	25550	25550	RAGS (1, 2)
T (non-carcinogen) (ED x 365 days/yr)	365	365	RAGS (1, 2)

NOTE:
(1) EPA "RISK ASSESSMENT GUIDANCE FOR SUPERFUND MANUAL, DECEMBER 1989, EPA/540/1-89/002.
(2) SUPPLEMENTAL GUIDANCE: "STANDARD DEFAULT EXPOSURE FACTORS", OSWER DIRECTIVE: 9285.6-03, MARCH 25, 1991.
(3) EXPOSURE FACTORS HANDBOOK, MARCH 1990, EPA/600/8-89/043.

TABLE : J.41

MEDIA CONCENTRATIONS AND CHEMICAL CONSTANTS

SITE : FOUR COUNTY
SECTOR : UNIT A
LOCATION : ON-SITE
MEDIA : AIR
EXPOSURE SCENARIO : CONSTRUCTION WORKER

	MEDIA CONCENTRATION			
			INHALATION	INHALATION
	MEAN	RME	CSF	RfD
PARAMETER	mg/m3	mg/m3	1/(mg/kg/d)	mg/kg/d
VOCs				
1,1,2,2-TETRACHLOROETHANE	1.81E-03	3.35E-03	2.00E-01	NA
1,1,2-TRICHLOROETHANE	4.55E-03	9.35E-03	5.60E-02	4.00E-03
1,1-DICHLOROETHANE	2.36E-03	4.37E-03	NA	1.40E-01
1,2-DICHLOROETHANE	1.83E-01	4.32E-01	9.10E-02	NA
2-BUTANONE	2.36E-02	4.62E-02	NA	2.86E-01
4-METHYL-2-PENTANONE	2.44E-02	4.45E-02	NA	2.00E-01
ACETONE	7.36E-02	1.58E-01	NA	3.00E+00
BENZENE	1.51E-01	3.85E-01	2.90E-02	NA
CARBON TETRACHLORIDE	1.66E-02	3.81E-02	5.25E-02	NA
CHLOROETHANE	2.92E-03	5.40E-03	NA	2.86E+00
CHLOROFORM	5.07E-02	1.11E-01	8.10E-02	NA
DICHLOROMETHANE	5.27E-02	1.27E-01	1.65E-03	8.57E-01
TETRACHLOROETHENE	2.52E-03	4.58E-03	NA	NA
TOLUENE	6.15E-03	1.48E-02	NA	1.14E-01
TRICHLOROETHENE	5.01E-03	1.20E-02	NA	NA
SVOCs				
4-METHYLPHENOL	6.00E-05	1.40E-04	NA	NA
ITROBENZENE	5.30E-04	1.40E-03	NA	NA
.HENOL	3.00E-04	8.10E-04	NA	2.00E-02

NA = NOT AVAILABLE

TABLE : J.42

EXPOSURE, RISK AND HAZARD CALCULATIONS

SITE : FOUR COUNTY
SECTOR : UNIT A
LOCATION : ON-SITE
MEDIA : AIR
EXPOSURE SCENARIO : CONSTRUCTION WORKER

	LIFETIME AVERAGE DAILY INTAKE (mg/kg/day)		LIFETIME UPPER BOUND EXCESS CANCER RISK		ANNUAL AVERAGE DAILY INTAKE (mg/kg/d)		HAZARD QUOTIENT CDI/RfD	
PARAMETER	MEAN	RME	MEAN	RME	MEAN	RME	MEAN	RME
VOCs								
1,1,2,2-TETRACHLOROETHANE	1.01E-07	5.62E-07	2.02E-08	1.12E-07	7.08E-06	3.93E-05	0.00E+00	0.00E+00
1,1,2-TRICHLOROETHANE	2.54E-07	1.57E-06	1.42E-08	8.78E-08	1.78E-05	1.10E-04	4.45E-03	2.74E-02
1,1-DICHLOROETHANE	1.32E-07	7.33E-07	0.00E+00	0.00E+00	9.24E-06	5.13E-05	6.60E-05	3.67E-04
1,2-DICHLOROETHANE	1.02E-05	7.25E-05	9.29E-07	6.60E-06	7.14E-04	5.08E-03	0.00E+00	0.00E+00
2-BUTANONE	1.32E-06	7.76E-06	0.00E+00	0.00E+00	9.24E-05	5.43E-04	3.23E-04	1.90E-03
4-METHYL-2-PENTANONE	1.36E-06	7.46E-06	0.00E+00	0.00E+00	9.55E-05	5.23E-04	4.77E-04	2.61E-03
ACETONE	4.11E-06	2.66E-05	0.00E+00	0.00E+00	2.88E-04	1.86E-03	9.60E-05	6.20E-04
BENZENE	8.46E-06	6.46E-05	2.45E-07	1.87E-06	5.92E-04	4.52E-03	0.00E+00	0.00E+00
CARBON TETRACHLORIDE	9.30E-07	6.39E-06	4.88E-08	3.36E-07	6.51E-05	4.48E-04	0.00E+00	0.00E+00
CHLOROETHANE	1.63E-07	9.06E-07	0.00E+00	0.00E+00	1.14E-05	6.34E-05	4.00E-06	2.22E-05
CHLOROFORM	2.84E-06	1.86E-05	2.30E-07	1.51E-06	1.99E-04	1.30E-03	0.00E+00	0.00E+00
DICHLOROMETHANE	2.95E-06	2.13E-05	4.86E-09	3.52E-08	2.06E-04	1.49E-03	2.41E-04	1.74E-03
TETRACHLOROETHENE	1.41E-07	7.68E-07	0.00E+00	0.00E+00	9.86E-06	5.38E-05	0.00E+00	0.00E+00
TOLUENE	3.44E-07	2.48E-06	0.00E+00	0.00E+00	2.41E-05	1.74E-04	2.11E-04	1.52E-03
TRICHLOROETHENE	2.80E-07	2.01E-06	0.00E+00	0.00E+00	1.96E-05	1.40E-04	0.00E+00	0.00E+00
SVOCs								
4-METHYLPHENOL	3.35E-09	2.35E-08	0.00E+00	0.00E+00	2.35E-07	1.64E-06	0.00E+00	0.00E+00
NITROBENZENE	2.96E-08	2.35E-07	0.00E+00	0.00E+00	2.07E-06	1.64E-05	0.00E+00	0.00E+00
HENOL	1.68E-08	1.36E-07	0.00E+00	0.00E+00	1.17E-06	9.51E-06	5.87E-05	4.76E-04
	TOTAL LIFETIME ADDED CANCER RISK:		1.47E-06	1.04E-05	**HAZARD INDEX:**		5.93E-03	3.67E-02

TABLE : J.43

SUMMARY TABLE

SITE : FOUR COUNTY
SECTOR : UNIT A
LOCATION : ON-SITE
MEDIA : AIR
EXPOSURE SCENARIO : CONSTRUCTION WORKER

	MEDIA CONCENTRATION		LIFETIME UPPER BOUND EXCESS CANCER RISK		HAZARD QUOTIENT CDI/RfD	
PARAMETER	MEAN mg/m3	RME mg/m3	MEAN	95th %	MEAN	95th %
VOCs						
1,1,2,2-TETRACHLOROETHANE	1.81E-03	3.35E-03	2.02E-08	1.12E-07	0.00E+00	0.00E+00
1,1,2-TRICHLOROETHANE	4.55E-03	9.35E-03	1.42E-08	8.78E-08	4.45E-03	2.74E-02
1,1-DICHLOROETHANE	2.36E-03	4.37E-03	0.00E+00	0.00E+00	6.60E-05	3.67E-04
1,2-DICHLOROETHANE	1.83E-01	4.32E-01	9.29E-07	6.60E-06	0.00E+00	0.00E+00
2-BUTANONE	2.36E-02	4.62E-02	0.00E+00	0.00E+00	3.23E-04	1.90E-03
4-METHYL-2-PENTANONE	2.44E-02	4.45E-02	0.00E+00	0.00E+00	4.77E-04	2.61E-03
ACETONE	7.36E-02	1.58E-01	0.00E+00	0.00E+00	9.60E-05	6.20E-04
BENZENE	1.51E-01	3.85E-01	2.45E-07	1.87E-06	0.00E+00	0.00E+00
CARBON TETRACHLORIDE	1.66E-02	3.81E-02	4.88E-08	3.36E-07	0.00E+00	0.00E+00
CHLOROETHANE	2.92E-03	5.40E-03	0.00E+00	0.00E+00	4.00E-06	2.22E-05
CHLOROFORM	5.07E-02	1.11E-01	2.30E-07	1.51E-06	0.00E+00	0.00E+00
DICHLOROMETHANE	5.27E-02	1.27E-01	4.86E-09	3.52E-08	2.41E-04	1.74E-03
TETRACHLOROETHENE	2.52E-03	4.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TOLUENE	6.15E-03	1.48E-02	0.00E+00	0.00E+00	2.11E-04	1.52E-03
TRICHLOROETHENE	5.01E-03	1.20E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SVOCs						
METHYLPHENOL	6.00E-05	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ITROBENZENE	5.30E-04	1.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PHENOL	3.00E-04	8.10E-04	0.00E+00	0.00E+00	5.87E-05	4.76E-04
	TOTAL LIFETIME ADDED CANCER RISK:		1.47E-06	1.04E-05		
			HAZARD INDEX:		5.93E-03	3.67E-02

TABLE : J.44

EXPOSURE SCENARIO FORMULA AND ASSUMPTIONS

EXPOSURE SCENARIO : RESIDENTIAL\DRINKING WATER + BATH & SHOWER\CURRENT
MEDIA: GROUND WATER - DOWNGRADIENT PERIMETER
SITE : FOUR COUNTY LANDFILL
SECTOR : UNITS B AND C - CURRENT

EQUATION : INTAKE (mg/kg-day) = $\frac{CW \times IR \times EF \times ED}{BW \times AT} \times BSF$

where :

CW = Chemical Concentration in Water (mg/liter)
IR = Ingestion Rate (liters/day)
EF = Exposure Frequency (days/year)
ED = Exposure Duration (years)
BW = Body Weight (kg)
AT = Averaging Time - period over which exposure is averaged (days)
BSF = Bath and Shower Factor (unitlesss)

VARIABLE	MEAN	RME	REFERENCES:
CW (mg/liter)	MEAN	95th %	RAGS (1,2)
IR child (liters/day)	1	1	RAGS (1,2)
IR older child & adult (liters/day)	1.4	2	RAGS (1,2)
EF (days/yr)	350	350	RAGS (1,2)
ED - carc. (child) (yr)	5	5	RAGS (1,2)
ED - carc. (older child & adult) (yr)	4	25	RAGS (1,2)
ED - non-carc. (yr)	5	5	RAGS (1,2)
BW child (kg)	16	16	RAGS (1,2)
BW older child & adult (kg)	70	70	RAGS (1,2)
AT - carcinogen (70 years x 365 days/yr)	25550	25550	RAGS (1,2)
AT - non-carcinogen (ED x 365 days/yr)	1825	1825	RAGS (1,2)
BSF - chemical specific			(3)

NOTES :
(1) EPA "RISK ASSESSMENT GUIDANCE FOR SUPERFUND" MANUAL, DECEMBER 1989; EPA/540/1-89/002.
(2) SUPPLEMENTAL GUIDANCE: "STANDARD DEFAULT EXPOSURE FACTORS", OSWER DIRECTIVE: 9285.6-03, MARCH 25, 1991
(3) BSF values: VOCs = 2.0, SVOCs = 1.5, Inorganics = 1.0.

TABLE : J.45

MEDIA CONCENTRATIONS/CONSTANTS

SITE : FOUR COUNTY LANDFILL
SECTOR : UNITS B AND C - CURRENT
MEDIA : GROUND WATER - DOWNGRADIENT PERIMETER
EXPOSURE SCENARIO : RESIDENTIAL\DRINKING WATER + BATH & SHOWER\CURRENT

	MEDIA CONCENTRATION				
PARAMETER	MEAN mg/L	RME mg/L	ORAL CSF 1/(mg/kg/d)	ORAL RfD mg/kg/d	BATH & SHOWER FACTOR
VOCs					
1,2-DICHLOROETHANE	1.82E-02	4.08E-02	9.10E-02	NA	2
DICHLOROMETHANE	6.30E-04	7.70E-04	7.50E-03	6.00E-02	2
VINYL CHLORIDE	5.70E-04	6.80E-04	1.90E+00	NA	2
METALS (TOTAL)					
ARSENIC	1.20E-02	1.70E-02	1.50E+00	3.00E-04	1
BARIUM	1.10E-01	1.30E-01	NA	7.00E-02	1
CHROMIUM	3.20E-02	5.00E-02	NA	1.00E+00	1
COBALT	1.10E-02	1.70E-02	NA	NA	1
COPPER	2.20E-02	3.40E-02	NA	3.70E-02	1
LEAD	1.40E-02	2.20E-02	NA	NA	1
MANGANESE	8.70E-01	1.56E+00	NA	4.67E-02	1
NICKEL	3.50E-02	5.10E-02	NA	2.00E-02	1
VANDIUM	1.60E-02	2.60E-02	NA	7.00E-03	1
ZINC	7.90E-02	1.40E-01	NA	3.00E-01	1

NA = NOT AVAILABLE

TABLE : J.46

EXPOSURE, RISK AND HAZARD CALCULATIONS

SITE : FOUR COUNTY LANDFILL
SECTOR : UNITS B AND C - CURRENT
MEDIA : GROUND WATER - DOWNGRADIENT PERIMETER
EXPOSURE SCENARIO : RESIDENTIAL\DRINKING WATER + BATH & SHOWER\CURRENT

	LIFETIME AVERAGE DAILY INTAKE (mg/kg/day)		LIFETIME UPPER BOUND EXCESS CANCER RISK		ANNUAL AVERAGE DAILY INTAKE (mg/kg/d)		HAZARD QUOTIENT CDI/RfD	
PARAMETER	MEAN	RME	MEAN	95th %	MEAN	95th %	MEAN	95th %
VOCs								
1,2-DICHLOROETHANE	1.96E-04	1.15E-03	1.78E-05	1.05E-04	2.18E-03	4.89E-03	0.00E+00	0.00E+00
DICHLOROMETHANE	6.77E-06	2.17E-05	5.08E-08	1.62E-07	7.55E-05	9.23E-05	1.26E-03	1.54E-03
VINYL CHLORIDE	6.13E-06	1.91E-05	1.16E-05	3.63E-05	6.83E-05	8.15E-05	0.00E+00	0.00E+00
METALS (TOTAL)								
ARSENIC	6.45E-05	2.39E-04	9.68E-05	3.59E-04	7.19E-04	1.02E-03	2.40E+00	3.40E+00
BARIUM	5.91E-04	1.83E-03	0.00E+00	0.00E+00	6.59E-03	7.79E-03	9.42E-02	1.11E-01
CHROMIUM	1.72E-04	7.03E-04	0.00E+00	0.00E+00	1.92E-03	3.00E-03	1.92E-03	3.00E-03
COBALT	5.91E-05	2.39E-04	0.00E+00	0.00E+00	6.59E-04	1.02E-03	0.00E+00	0.00E+00
COPPER	1.18E-04	4.78E-04	0.00E+00	0.00E+00	1.32E-03	2.04E-03	3.56E-02	5.51E-02
LEAD	7.53E-05	3.09E-04	0.00E+00	0.00E+00	8.39E-04	1.32E-03	0.00E+00	0.00E+00
MANGANESE	4.68E-03	2.19E-02	0.00E+00	0.00E+00	5.21E-02	9.35E-02	1.12E+00	2.00E+00
NICKEL	1.88E-04	7.17E-04	0.00E+00	0.00E+00	2.10E-03	3.06E-03	1.05E-01	1.53E-01
VANDIUM	8.60E-05	3.66E-04	0.00E+00	0.00E+00	9.59E-04	1.56E-03	1.37E-01	2.23E-01
ZINC	4.25E-04	1.97E-03	0.00E+00	0.00E+00	4.73E-03	8.39E-03	1.58E-02	2.80E-02
	TOTAL ADDITIONAL ESTIMATED CANCER RISKS:		1.26E-04	5.00E-04	HAZARD INDEX :		3.90E+00	5.97E+00

TABLE : J.47

SUMMARY TABLE

SITE : FOUR COUNTY LANDFILL
SECTOR : UNITS B AND C - CURRENT
MEDIA : GROUND WATER - DOWNGRADIENT PERIMETER
EXPOSURE SCENARIO : RESIDENTIAL\DRINKING WATER + BATH & SHOWER\CURRENT

	MEDIA CONCENTRATION		LIFETIME UPPER BOUND EXCESS CANCER RISK		HAZARD QUOTIENT CDI/RfD	
PARAMETER	MEAN mg/L	RME mg/L	MEAN	95th %	MEAN	95th %
VOCs						
1,2-DICHLOROETHANE	1.82E-02	4.08E-02	1.78E-05	1.05E-04	0.00E+00	0.00E+00
DICHLOROMETHANE	6.30E-04	7.70E-04	5.08E-08	1.62E-07	1.26E-03	1.54E-03
VINYL CHLORIDE	5.70E-04	6.80E-04	1.16E-05	3.63E-05	0.00E+00	0.00E+00
METALS (TOTAL)						
ARSENIC	1.20E-02	1.70E-02	9.68E-05	3.59E-04	2.40E+00	3.40E+00
BARIUM	1.10E-01	1.30E-01	0.00E+00	0.00E+00	9.42E-02	1.11E-01
CHROMIUM	3.20E-02	5.00E-02	0.00E+00	0.00E+00	1.92E-03	3.00E-03
COBALT	1.10E-02	1.70E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
COPPER	2.20E-02	3.40E-02	0.00E+00	0.00E+00	3.56E-02	5.51E-02
LEAD	1.40E-02	2.20E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MANGANESE	8.70E-01	1.56E+00	0.00E+00	0.00E+00	1.12E+00	2.00E+00
NICKEL	3.50E-02	5.10E-02	0.00E+00	0.00E+00	1.05E-01	1.53E-01
VANDIUM	1.60E-02	2.60E-02	0.00E+00	0.00E+00	1.37E-01	2.23E-01
ZINC	7.90E-02	1.40E-01	0.00E+00	0.00E+00	1.58E-02	2.80E-02
	TOTAL ADDITIONAL ESTIMATED CANCER RISKS:				**HAZARD INDEX :**	
			1.26E-04	5.00E-04	3.90E+00	5.97E+00

TABLE : J.48

EXPOSURE SCENARIO FORMULA AND ASSUMPTIONS

EXPOSURE SCENARIO : RESIDENTIAL\DRINKING WATER + BATH & SHOWER\FUTURE
MEDIA: GROUND WATER
SITE : FOUR COUNTY LANDFILL
SECTOR : NA

EQUATION : INTAKE (mg/kg-day) = $\frac{CW \times IR \times EF \times ED}{BW \times AT} \times BSF$

where :

CW = Chemical Concentration in Water (mg/liter)
IR = Ingestion Rate (liters/day)
EF = Exposure Frequency (days/year)
ED = Exposure Duration (years)
BW = Body Weight (kg)
AT = Averaging Time - period over which exposure is averaged (days)
BSF = Bath and Shower Factor (unitlesss)

VARIABLE	MEAN	RME	REFERENCES:
CW (mg/liter)	MEAN	95th %	RAGS (1,2)
IR child (liters/day)	1	1	RAGS (1,2)
IR older child & adult (liters/day)	1.4	2	RAGS (1,2)
EF (days/yr)	350	350	RAGS (1,2)
ED - carc. (child) (yr)	5	5	RAGS (1,2)
ED - carc. (older child & adult) (yr)	4	25	RAGS (1,2)
ED - non-carc. (yr)	5	5	RAGS (1,2)
BW child (kg)	16	16	RAGS (1,2)
BW older child & adult (kg)	70	70	RAGS (1,2)
AT - carcinogen (70 years x 365 days/yr)	25550	25550	RAGS (1,2)
AT - non-carcinogen (ED x 365 days/yr)	1825	1825	RAGS (1,2)
BSF - chemical specific			(3)

NOTES :
(1) EPA "RISK ASSESSMENT GUIDANCE FOR SUPERFUND" MANUAL, DECEMBER 1989; EPA/540/1-89/002.
(2) SUPPLEMENTAL GUIDANCE: "STANDARD DEFAULT EXPOSURE FACTORS", OSWER DIRECTIVE: 9285.6-03, MARCH 25, 1991
(3) BSF values: VOCs = 2.0, SVOCs = 1.5, Inorganics = 1.0.

TABLE : J.49

MEDIA CONCENTRATIONS/CONSTANTS

SITE : FOUR COUNTY LANDFILL
SECTOR : NA
MEDIA : GROUND WATER
EXPOSURE SCENARIO : RESIDENTIAL\DRINKING WATER + BATH & SHOWER\FUTURE

	MEDIA CONCENTRATION				
PARAMETER	MEAN mg/L	RME mg/L	ORAL CSF 1/(mg/kg/d)	ORAL RfD mg/kg/d	BATH & SHOWER FACTOR
VOCs					
BENZENE	3.13E-02	8.72E-02	2.90E-02	NA	2
CHLOROFORM	1.00E-03	1.61E-03	6.10E-03	1.00E-02	2
1,2-DICHLOROETHANE	3.08E-02	7.06E-02	9.10E-02	NA	2
DICHLOROMETHANE	1.69E-03	3.55E-03	7.50E-03	6.00E-02	2
TRICHLOROETHENE	8.70E-04	1.59E-03	1.10E-02	NA	2
VINYL CHLORIDE	6.20E-04	8.00E-04	1.90E+00	NA	2
METALS (TOTAL)					
ARSENIC	1.50E-02	2.00E-02	1.50E+00	3.00E-04	1
BARIUM	1.30E-01	1.60E-01	NA	7.00E-02	1
BERYLLIUM	3.00E-03	2.90E-03	4.30E+00	5.00E-03	1
CADMIUM	3.00E-03	3.00E-03	NA	5.00E-04	1
CHROMIUM	4.40E-02	6.00E-02	NA	1.00E+00	1
COBALT	1.70E-02	2.40E-02	NA	NA	1
COPPER	3.90E-02	6.20E-02	NA	3.70E-02	1
LEAD	2.40E-02	3.50E-02	NA	NA	1
MANGANESE	1.12E+00	1.63E+00	NA	4.67E-02	1
MERCURY	1.50E-04	1.70E-04	NA	NA	1
NICKEL	4.90E-02	6.80E-02	NA	2.00E-02	1
SILVER	5.00E-03	5.40E-03	NA	5.00E-03	1
THALLIUM	5.00E-03	5.60E-03	NA	NA	1
VANDIUM	2.70E-02	4.00E-02	NA	7.00E-03	1
ZINC	2.20E-01	3.90E-01	NA	3.00E-01	1

NA = NOT AVAILABLE

TABLE : J.50

EXPOSURE, RISK AND HAZARD CALCULATIONS

SITE : FOUR COUNTY LANDFILL
SECTOR : NA
MEDIA : GROUND WATER
EXPOSURE SCENARIO : RESIDENTIAL\DRINKING WATER + BATH & SHOWER\FUTURE

	LIFETIME AVERAGE DAILY INTAKE (mg/kg/day)		LIFETIME UPPER BOUND EXCESS CANCER RISK		ANNUAL AVERAGE DAILY INTAKE (mg/kg/d)		HAZARD QUOTIENT CDI/RfD	
PARAMETER	MEAN	RME	MEAN	95th %	MEAN	95th %	MEAN	95th %
VOCs								
BENZENE	3.36E-04	2.45E-03	9.75E-06	7.11E-05	3.75E-03	1.05E-02	0.00E+00	0.00E+00
CHLOROFORM	1.08E-05	4.53E-05	6.56E-08	2.76E-07	1.20E-04	1.93E-04	1.20E-02	1.93E-02
1,2-DICHLOROETHANE	3.31E-04	1.99E-03	3.02E-05	1.81E-04	3.69E-03	8.46E-03	0.00E+00	0.00E+00
DICHLOROMETHANE	1.82E-05	9.99E-05	1.36E-07	7.49E-07	2.03E-04	4.26E-04	3.38E-03	7.09E-03
TRICHLOROETHENE	9.36E-06	4.47E-05	1.03E-07	4.92E-07	1.04E-04	1.91E-04	0.00E+00	0.00E+00
VINYL CHLORIDE	6.67E-06	2.25E-05	1.27E-05	4.28E-05	7.43E-05	9.59E-05	0.00E+00	0.00E+00
METALS (TOTAL)								
ARSENIC	8.07E-05	2.81E-04	1.21E-04	4.22E-04	8.99E-04	1.20E-03	3.00E+00	4.00E+00
BARIUM	6.99E-04	2.25E-03	0.00E+00	0.00E+00	7.79E-03	9.59E-03	1.11E-01	1.37E-01
BERYLLIUM	1.61E-05	4.08E-05	6.94E-05	1.75E-04	1.80E-04	1.74E-04	3.60E-02	3.48E-02
CADMIUM	1.61E-05	4.22E-05	0.00E+00	0.00E+00	1.80E-04	1.80E-04	3.60E-01	3.60E-01
CHROMIUM	2.37E-04	8.44E-04	0.00E+00	0.00E+00	2.64E-03	3.60E-03	2.64E-03	3.60E-03
COBALT	9.14E-05	3.38E-04	0.00E+00	0.00E+00	1.02E-03	1.44E-03	0.00E+00	0.00E+00
COPPER	2.10E-04	8.72E-04	0.00E+00	0.00E+00	2.34E-03	3.72E-03	6.32E-02	1.00E-01
LEAD	1.29E-04	4.92E-04	0.00E+00	0.00E+00	1.44E-03	2.10E-03	0.00E+00	0.00E+00
MANGANESE	6.02E-03	2.29E-02	0.00E+00	0.00E+00	6.71E-02	9.77E-02	1.44E+00	2.09E+00
MERCURY	8.07E-07	2.39E-06	0.00E+00	0.00E+00	8.99E-06	1.02E-05	0.00E+00	0.00E+00
NICKEL	2.63E-04	9.56E-04	0.00E+00	0.00E+00	2.94E-03	4.08E-03	1.47E-01	2.04E-01
SILVER	2.69E-05	7.60E-05	0.00E+00	0.00E+00	3.00E-04	3.24E-04	5.99E-02	6.47E-02
THALLIUM	2.69E-05	7.88E-05	0.00E+00	0.00E+00	3.00E-04	3.36E-04	0.00E+00	0.00E+00
VANDIUM	1.45E-04	5.63E-04	0.00E+00	0.00E+00	1.62E-03	2.40E-03	2.31E-01	3.42E-01
ZINC	1.18E-03	5.49E-03	0.00E+00	0.00E+00	1.32E-02	2.34E-02	4.39E-02	7.79E-02
	TOTAL ADDITIONAL ESTIMATED CANCER RISKS:		2.43E-04	8.93E-04	HAZARD INDEX :		5.50E+00	7.44E+00

TABLE : J.51

SUMMARY TABLE

SITE : FOUR COUNTY LANDFILL
SECTOR : NA
MEDIA : GROUND WATER
EXPOSURE SCENARIO : RESIDENTIAL\DRINKING WATER + BATH & SHOWER\FUTURE

	MEDIA CONCENTRATION		LIFETIME UPPER BOUND EXCESS CANCER RISK		HAZARD QUOTIENT CDI/RfD	
PARAMETER	MEAN mg/L	RME mg/L	MEAN	95th %	MEAN	95th %
VOCs						
BENZENE	3.13E-02	8.72E-02	9.75E-06	7.11E-05	0.00E+00	0.00E+00
CHLOROFORM	1.00E-03	1.61E-03	6.56E-08	2.76E-07	1.20E-02	1.93E-02
1,2-DICHLOROETHANE	3.08E-02	7.06E-02	3.02E-05	1.81E-04	0.00E+00	0.00E+00
DICHLOROMETHANE	1.69E-03	3.55E-03	1.36E-07	7.49E-07	3.38E-03	7.09E-03
TRICHLOROETHENE	8.70E-04	1.59E-03	1.03E-07	4.92E-07	0.00E+00	0.00E+00
VINYL CHLORIDE	6.20E-04	8.00E-04	1.27E-05	4.28E-05	0.00E+00	0.00E+00
METALS (TOTAL)						
ARSENIC	1.50E-02	2.00E-02	1.21E-04	4.22E-04	3.00E+00	4.00E+00
BARIUM	1.30E-01	1.60E-01	0.00E+00	0.00E+00	1.11E-01	1.37E-01
BERYLLIUM	3.00E-03	2.90E-03	6.94E-05	1.75E-04	3.60E-02	3.48E-02
CADMIUM	3.00E-03	3.00E-03	0.00E+00	0.00E+00	3.60E-01	3.60E-01
CHROMIUM	4.40E-02	6.00E-02	0.00E+00	0.00E+00	2.64E-03	3.60E-03
COBALT	1.70E-02	2.40E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
COPPER	3.90E-02	6.20E-02	0.00E+00	0.00E+00	6.32E-02	1.00E-01
LEAD	2.40E-02	3.50E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MANGANESE	1.12E+00	1.63E+00	0.00E+00	0.00E+00	1.44E+00	2.09E+00
MERCURY	1.50E-04	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NICKEL	4.90E-02	6.80E-02	0.00E+00	0.00E+00	1.47E-01	2.04E-01
SILVER	5.00E-03	5.40E-03	0.00E+00	0.00E+00	5.99E-02	6.47E-02
THALLIUM	5.00E-03	5.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00
VANDIUM	2.70E-02	4.00E-02	0.00E+00	0.00E+00	2.31E-01	3.42E-01
ZINC	2.20E-01	3.90E-01	0.00E+00	0.00E+00	4.39E-02	7.79E-02
	TOTAL ADDITIONAL ESTIMATED CANCER RISKS:				**HAZARD INDEX :**	
			2.43E-04	8.93E-04	5.50E+00	7.44E+00

TABLE : J.52

EXPOSURE SCENARIO FORMULA AND ASSUMPTIONS

EXPOSURE SCENARIO : INDUSTRIAL WORKER-SEDIMENT
SITE : FOUR COUNTY LANDFILL SITE
SECTOR : NORTHEAST POND
LOCATION : ON-SITE

$$\text{EQUATION : INTAKE (mg/kg-day)} = \frac{CS \times CF \times SA \times AF \times ABS \times EF \times ED}{AT \times BW} + \frac{CS \times IR \times ABS \times CF \times EF \times ED}{AT \times BW} \times PTF$$

where :
CS = Chemical Concentration in Sediment (mg/kg)
IR = Ingestion Rate (mg sediment/day)
SA = Skin Surface Area Available for Contact (cm2/event)
CF = Conversion Factor (10E-06 kg/mg)
EF = Exposure Frequency (days/years)
ED = Exposure Duration (years)
BW = Body Weight (kg)
AT = Averaging Time (period over which exposure is averaged -- days)
AF = Soil to Skin Adherence Factor (mg/cm2)
ABS = Absorption Factor (unitless)
PTF = Percent of Time Factor: Percent of time in contaminated area. (%/100)

VARIABLE ASSUMPTIONS	MEAN	RME	REFERENCES
CS (mg/kg)	MEAN	95th %	RAGS (1, 2)
IR - (mg/exposure)	50	50	RAGS (1, 2)
SA (cm2)	5230	5230	DEAP (3)
CF (kg/mg)	0.000001	0.000001	RAGS (1, 2)
EF - ADULT (days/year)	10	60	PROFESSIONAL JUDGEMENT
ED - ADULT CARCINOGEN (years)	25	25	RAGS (1, 2)
ED - ADULT CARCINOGEN (years)	1	1	RAGS (1, 2)
BW (ADULT) kg	70	70	RAGS (1, 2)
AT (CARCINOGEN) (yrs x days/yr)	25550	25550	RAGS (1, 2)
AT (NON-CARCINOGEN) (yrs x days/yr)	365	365	RAGS (1, 2)
AF (mg/cm2)	0.2	1	DEAP (3)
ABS ORAL (CHEMICAL SPECIFIC)			
DERMAL (CHEMICAL SPECIFIC)			
PTF	1	1	PROFESSIONAL JUDGEMENT

NOTE:
(1) EPA "RISK ASSESSMENT GUIDANCE FOR SUPERFUND MANUAL, DECEMBER 1989, EPA/540/1-89/002.
(2) SUPPLEMENTAL GUIDANCE: "STANDARD DEFAULT EXPOSURE FACTORS", OSWER DIRECTIVE: 9285.6-03, MARCH 25, 1991
(3) EPA DERMAL EXPOSURE ASSESSMENT: PRINCIPLES AND APPLICATIONS, EPA/600/8-89/011B, JANUARY 1992.

TABLE : J.53

MEDIA CONCENTRATIONS AND CHEMICAL CONSTANTS

SITE : FOUR COUNTY LANDFILL SITE
SECTOR : NORTHEAST POND
LOCATION : ON-SITE
MEDIA : SEDIMENT
POPULATION : ADULTS
EXPOSURE SCENARIO : INDUSTRIAL WORKER-SEDIMENT

	MEDIA CONCENTRATION				ORAL BIOAVAIL. FACTOR		DERMAL BIOAVAIL. FACTOR	
PARAMETER	MEAN mg/kg	RME mg/kg	ORAL CSF 1/(mg/kg/d)	ORAL RfD mg/kg/d	MEAN %/100	RME %/100	MEAN %/100	RME %/100
METALS								
BERYLLIUM	4.47E-01	6.38E-01	4.30E+00	5.00E-03	1.00	1.00	0.01	0.01
NICKEL	3.00E+01	4.06E+01	NA	2.00E-02	1.00	1.00	0.01	0.01

NA = NOT AVAILABLE

TABLE : J.54

EXPOSURE, RISK AND HAZARD CALCULATIONS

SITE : FOUR COUNTY LANDFILL SITE
SECTOR : NORTHEAST POND
LOCATION : ON-SITE
MEDIA : SEDIMENT
POPULATION : ADULTS
EXPOSURE SCENARIO : INDUSTRIAL WORKER-SEDIMENT

	LIFETIME AVERAGE DAILY INTAKE (mg/kg/day)		LIFETIME UPPER BOUND EXCESS CANCER RISK		ANNUAL AVERAGE DAILY INTAKE (mg/kg/d)		HAZARD QUOTIENT CDI/RfD	
PARAMETER	MEAN	RME	MEAN	RME	MEAN	RME	MEAN	RME
METALS								
BERYLLIUM	3.78E-09	5.47E-08	1.62E-08	2.35E-07	1.06E-08	1.53E-07	2.12E-06	3.07E-05
NICKEL	2.54E-07	3.49E-06	0.00E+00	0.00E+00	7.10E-07	9.76E-06	3.55E-05	4.88E-04
	TOTAL LIFETIME ADDED CANCER RISK:		1.62E-08	2.35E-07	**HAZARD INDEX:**		3.76E-05	5.19E-04

TABLE : J.55

SUMMARY TABLE

SITE : FOUR COUNTY LANDFILL SITE
SECTOR : NORTHEAST POND
LOCATION : ON-SITE
MEDIA : SEDIMENT
POPULATION : ADULTS
EXPOSURE SCENARIO : INDUSTRIAL WORKER-SEDIMENT

	MEDIA CONCENTRATION		LIFETIME UPPER BOUND EXCESS CANCER RISK		HAZARD QUOTIENT CDI/RfD	
PARAMETER	MEAN mg/kg	RME mg/kg	MEAN	95th %	MEAN	95th %
METALS						
BERYLLIUM	4.47E-01	6.38E-01	1.62E-08	2.35E-07	2.12E-06	3.07E-05
NICKEL	3.00E+01	4.06E+01	0.00E+00	0.00E+00	3.55E-05	4.88E-04
TOTAL LIFETIME ADDED CANCER RISK:			1.62E-08	2.35E-07		
			HAZARD INDEX:		3.76E-05	5.19E-04

TABLE : J.56

EXPOSURE SCENARIO FORMULA AND ASSUMPTIONS

EXPOSURE SCENARIO : INDUSTRIAL WORKER-SEDIMENT
SITE : FOUR COUNTY LANDFILL SITE
SECTOR : SOUTHWEST POND
LOCATION : ON-SITE

$$\text{EQUATION : INTAKE (mg/kg-day)} = \frac{CS \times CF \times SA \times AF \times ABS \times EF \times ED}{AT \times BW} + \frac{CS \times IR \times ABS \times CF \times EF \times ED}{AT \times BW} \times PTF$$

where :
CS = Chemical Concentration in Sediment (mg/kg)
IR = Ingestion Rate (mg sediment/day)
SA = Skin Surface Area Available for Contact (cm2/event)
CF = Conversion Factor (10E-06 kg/mg)
EF = Exposure Frequency (days/years)
ED = Exposure Duration (years)
BW = Body Weight (kg)
AT = Averaging Time (period over which exposure is averaged -- days)
AF = Soil to Skin Adherence Factor (mg/cm2)
ABS = Absorption Factor (unitless)
PTF = Percent of Time Factor: Percent of time in contaminated area. (%/100)

VARIABLE ASSUMPTIONS	MEAN	RME	REFERENCES
CS (mg/kg)	MEAN	95th %	RAGS (1, 2)
IR - (mg/exposure)	50	50	RAGS (1, 2)
SA (cm2)	5230	5230	DEAP (3)
CF (kg/mg)	0.000001	0.000001	RAGS (1, 2)
EF- ADULT (days/year)	10	60	PROFESSIONAL JUDGEMENT
ED - ADULT (years)	25	25	RAGS (1, 2)
ED - ADULT (years)	1	1	RAGS (1, 2)
BW (ADULT) kg	70	70	RAGS (1, 2)
AT (CARCINOGEN) (yrs x days/yr)	25550	25550	RAGS (1, 2)
AT (NON-CARCINOGEN) (yrs x days/yr)	365	365	RAGS (1, 2)
AF (mg/cm2)	0.2	1	DEAP (3)
ABS ORAL (CHEMICAL SPECIFIC)			
DERMAL (CHEMICAL SPECIFIC)			
PTF	1	1	PROFESSIONAL JUDGEMENT

NOTE:
(1) EPA "RISK ASSESSMENT GUIDANCE FOR SUPERFUND MANUAL, DECEMBER 1989, EPA/540/1-89/002.
(2) SUPPLEMENTAL GUIDANCE: "STANDARD DEFAULT EXPOSURE FACTORS", OSWER DIRECTIVE: 9285.6-03, MARCH 25, 1991
(3) EPA DERMAL EXPOSURE ASSESSMENT: PRINCIPLES AND APPLICATIONS, EPA/600/8-89/011B, JANUARY 1992.

TABLE : J.57

MEDIA CONCENTRATIONS AND CHEMICAL CONSTANTS

SITE : FOUR COUNTY LANDFILL SITE
SECTOR : SOUTHWEST POND
LOCATION : ON-SITE
MEDIA : SEDIMENT
POPULATION : ADULTS
EXPOSURE SCENARIO : INDUSTRIAL WORKER-SEDIMENT

	MEDIA CONCENTRATION				ORAL BIOAVAIL. FACTOR		DERMAL BIOAVAIL. FACTOR	
PARAMETER	MEAN mg/kg	RME mg/kg	ORAL CSF 1/(mg/kg/d)	ORAL RfD mg/kg/d	MEAN %/100	RME %/100	MEAN %/100	RME %/100
METALS								
BERYLLIUM	ND	ND	4.30E+00	5.00E-03	1.00	1.00	0.01	0.01
NICKEL	1.90E+01	1.90E+01	NA	2.00E-02	1.00	1.00	0.01	0.01

NA = NOT AVAILABLE
ND = NOT DETECTED

TABLE : J.58

EXPOSURE, RISK AND HAZARD CALCULATIONS

SITE : FOUR COUNTY LANDFILL SITE
SECTOR : SOUTHWEST POND
LOCATION : ON-SITE
MEDIA : SEDIMENT
POPULATION : ADULTS
EXPOSURE SCENARIO : INDUSTRIAL WORKER-SEDIMENT

	LIFETIME AVERAGE DAILY INTAKE (mg/kg/day)		LIFETIME UPPER BOUND EXCESS CANCER RISK		ANNUAL AVERAGE DAILY INTAKE (mg/kg/d)		HAZARD QUOTIENT CDI/RfD	
PARAMETER	MEAN	RME	MEAN	RME	MEAN	RME	MEAN	RME
METALS								
BERYLLIUM	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NICKEL	1.61E-07	1.63E-06	0.00E+00	0.00E+00	4.50E-07	4.56E-06	2.25E-05	2.28E-04
	TOTAL LIFETIME ADDED CANCER RISK:		0.00E+00	0.00E+00	**HAZARD INDEX:**		2.25E-05	2.28E-04

TABLE : J.59

SUMMARY TABLE

SITE : FOUR COUNTY LANDFILL SITE
SECTOR : SOUTHWEST POND
LOCATION : ON-SITE
MEDIA : SEDIMENT
POPULATION : ADULTS
EXPOSURE SCENARIO : INDUSTRIAL WORKER-SEDIMENT

	MEDIA CONCENTRATION		LIFETIME UPPER BOUND EXCESS CANCER RISK		HAZARD QUOTIENT CDI/RfD	
PARAMETER	MEAN mg/kg	RME mg/kg	MEAN	95th %	MEAN	95th %
METALS						
BERYLLIUM	ND	ND	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NICKEL	1.90E+01	1.90E+01	0.00E+00	0.00E+00	2.25E-05	2.28E-04
	TOTAL LIFETIME ADDED CANCER RISK:		0.00E+00	0.00E+00		
			HAZARD INDEX:		2.25E-05	2.28E-04

TABLE : J.60

EXPOSURE SCENARIO FORMULA AND ASSUMPTIONS

EXPOSURE SCENARIO : TRESPASSER-SEDIMENT
SITE : FOUR COUNTY LANDFILL SITE
SECTOR : NORTHEAST POND
LOCATION : ON-SITE

$$\text{EQUATION : INTAKE (mg/kg-day)} = \frac{CS \times CF \times SA \times AF \times ABS \times EF \times ED}{AT \times BW} + \frac{CS \times IR \times ABS \times CF \times EF \times ED}{AT \times BW} \times PTF$$

where :
CS = Chemical Concentration in Sediment (mg/kg)
IR = Ingestion Rate (mg sediment/day)
SA = Skin Surface Area Available for Contact (cm2/event)
CF = Conversion Factor (10E-06 kg/mg)
EF = Exposure Frequency (days/years)
ED = Exposure Duration (years)
BW = Body Weight (kg)
AT = Averaging Time (period over which exposure is averaged -- days)
AF = Soil to Skin Adherence Factor (mg/cm2)
ABS = Absorption Factor (unitless)
PTF = Percent of Time Factor: Percent of time in contaminated area. (%/100)

VARIABLE ASSUMPTIONS	MEAN	RME	REFERENCES
CS (mg/kg)	MEAN	95th %	RAGS (1, 2)
IR - (mg/exposure)	100	100	RAGS (1, 2)
SA (cm2)	5230	5230	DEAP (3)
CF (kg/mg)	0.000001	0.000001	RAGS (1, 2)
EF- OLDER CHILD AND ADULT (days/ye:	30	60	PROFESSIONAL JUDGEMENT
ED- OLDER CHILD AND ADULT (years)	9	30	RAGS (1, 2)
BW (OLDER CHILD AND ADULT) kg	70	70	RAGS (1, 2)
AT (CARCINOGEN) (yrs x days/yr)	25550	25550	RAGS (1, 2)
AT (NON-CARCINOGEN) (yrs x days/yr)	3285	10950	RAGS (1, 2)
AF (mg/cm2)	0.2	1	DEAP (3)
ABS ORAL (CHEMICAL SPECIFIC)			
DERMAL (CHEMICAL SPECIFIC)			
PTF	1	1	PROFESSIONAL JUDGEMENT

NOTE:
(1) EPA "RISK ASSESSMENT GUIDANCE FOR SUPERFUND MANUAL, DECEMBER 1989, EPA/540/1-89/002.
(2) SUPPLEMENTAL GUIDANCE: "STANDARD DEFAULT EXPOSURE FACTORS", OSWER DIRECTIVE: 9285.6-03, MARCH 25, 1991
(3) EPA DERMAL EXPOSURE ASSESSMENT: PRINCIPLES AND APPLICATIONS, EPA/600/8-89/011B, JANUARY 1992.

TABLE : J.61

MEDIA CONCENTRATIONS AND CHEMICAL CONSTANTS

SITE : FOUR COUNTY LANDFILL SITE
SECTOR : NORTHEAST POND
LOCATION : ON-SITE
MEDIA : SEDIMENT
POPULATION : OLDER CHILDREN AND ADULTS
EXPOSURE SCENARIO : TRESPASSER-SEDIMENT

	MEDIA CONCENTRATION				ORAL BIOAVAIL. FACTOR		DERMAL BIOAVAIL. FACTOR	
PARAMETER	MEAN mg/kg	RME mg/kg	ORAL CSF 1/(mg/kg/d)	ORAL RfD mg/kg/d	MEAN %/100	RME %/100	MEAN %/100	RME %/100
METALS								
BERYLLIUM	4.47E-01	6.38E-01	4.30E+00	5.00E-03	1.00	1.00	0.01	0.01
NICKEL	3.00E+01	4.06E+01	NA	2.00E-02	1.00	1.00	0.01	0.01

NA = NOT AVAILABLE

TABLE : J.62

EXPOSURE, RISK AND HAZARD CALCULATIONS

SITE : FOUR COUNTY LANDFILL SITE
SECTOR : NORTHEAST POND
LOCATION : ON-SITE
MEDIA : SEDIMENT
POPULATION : OLDER CHILDREN AND ADULTS
EXPOSURE SCENARIO : TRESPASSER-SEDIMENT

	LIFETIME AVERAGE DAILY INTAKE (mg/kg/day)		LIFETIME UPPER BOUND EXCESS CANCER RISK		ANNUAL AVERAGE DAILY INTAKE (mg/kg/d)		HAZARD QUOTIENT CDI/RfD	
PARAMETER	MEAN	RME	MEAN	RME	MEAN	RME	MEAN	RME
METALS								
BERYLLIUM	7.45E-09	9.78E-08	3.21E-08	4.21E-07	5.80E-08	2.28E-07	1.16E-05	4.56E-05
NICKEL	5.00E-07	6.23E-06	0.00E+00	0.00E+00	3.89E-06	1.45E-05	1.95E-04	7.27E-04
	TOTAL LIFETIME ADDED CANCER RISK:		3.21E-08	4.21E-07	**HAZARD INDEX:**		2.06E-04	7.72E-04

TABLE : J.63

SUMMARY TABLE

SITE : FOUR COUNTY LANDFILL SITE
SECTOR : NORTHEAST POND
LOCATION : ON-SITE
MEDIA : SEDIMENT
POPULATION : OLDER CHILDREN AND ADULTS
EXPOSURE SCENARIO : TRESPASSER-SEDIMENT

	MEDIA CONCENTRATION		LIFETIME UPPER BOUND EXCESS CANCER RISK		HAZARD QUOTIENT CDI/RfD	
PARAMETER	MEAN mg/kg	RME mg/kg	MEAN	95th %	MEAN	95th %
METALS						
BERYLLIUM	4.47E-01	6.38E-01	3.21E-08	4.21E-07	1.16E-05	4.56E-05
NICKEL	3.00E+01	4.06E+01	0.00E+00	0.00E+00	1.95E-04	7.27E-04
	TOTAL LIFETIME ADDED CANCER RISK:		3.21E-08	4.21E-07		
			HAZARD INDEX:		2.06E-04	7.72E-04

TABLE : J.64

EXPOSURE SCENARIO FORMULA AND ASSUMPTIONS

EXPOSURE SCENARIO : TRESPASSER-SEDIMENT
SITE : FOUR COUNTY LANDFILL SITE
SECTOR : SOUTHWEST POND
LOCATION : ON-SITE

$$\text{EQUATION : INTAKE (mg/kg-day)} = \frac{CS \times CF \times SA \times AF \times ABS \times EF \times ED}{AT \times BW} + \frac{CS \times IR \times ABS \times CF \times EF \times ED}{AT \times BW} \times PTF$$

where :
CS = Chemical Concentration in Sediment (mg/kg)
IR = Ingestion Rate (mg sediment/day)
SA = Skin Surface Area Available for Contact (cm2/event)
CF = Conversion Factor (10E-06 kg/mg)
EF = Exposure Frequency (days/years)
ED = Exposure Duration (years)
BW = Body Weight (kg)
AT = Averaging Time (period over which exposure is averaged -- days)
AF = Soil to Skin Adherence Factor (mg/cm2)
ABS = Absorption Factor (unitless)
PTF = Percent of Time Factor: Percent of time in contaminated area. (%/100)

VARIABLE ASSUMPTIONS	MEAN	RME	REFERENCES
CS (mg/kg)	MEAN	95th %	RAGS (1, 2)
IR - (mg/exposure)	100	100	RAGS (1, 2)
SA (cm2)	5230	5230	DEAP (3)
CF (kg/mg)	0.000001	0.000001	RAGS (1, 2)
EF- OLDER CHILD AND ADULT (days/ye:	30	60	PROFESSIONAL JUDGEMENT
ED- OLDER CHILD AND ADULT (years)	9	30	RAGS (1, 2)
BW (OLDER CHILD AND ADULT) kg	70	70	RAGS (1, 2)
AT (CARCINOGEN) (yrs x days/yr)	25550	25550	RAGS (1, 2)
AT (NON-CARCINOGEN) (yrs x days/yr)	3285	10950	RAGS (1, 2)
AF (mg/cm2)	0.2	1	DEAP (3)
ABS ORAL (CHEMICAL SPECIFIC)			
DERMAL (CHEMICAL SPECIFIC)			
PTF	1	1	PROFESSIONAL JUDGEMENT

NOTE:
(1) EPA "RISK ASSESSMENT GUIDANCE FOR SUPERFUND MANUAL, DECEMBER 1989, EPA/540/1-89/002.
(2) SUPPLEMENTAL GUIDANCE: "STANDARD DEFAULT EXPOSURE FACTORS", OSWER DIRECTIVE: 9285.6-03, MARCH 25, 1991
(3) EPA DERMAL EXPOSURE ASSESSMENT: PRINCIPLES AND APPLICATIONS, EPA/600/8-89/011B, JANUARY 1992.

TABLE : J.65

MEDIA CONCENTRATIONS AND CHEMICAL CONSTANTS

SITE : FOUR COUNTY LANDFILL SITE
SECTOR : SOUTHWEST POND
LOCATION : ON-SITE
MEDIA : SEDIMENT
POPULATION : OLDER CHILDREN AND ADULTS
EXPOSURE SCENARIO : TRESPASSER-SEDIMENT

	MEDIA CONCENTRATION				ORAL BIOAVAIL. FACTOR		DERMAL BIOAVAIL. FACTOR	
PARAMETER	MEAN mg/kg	RME mg/kg	ORAL CSF 1/(mg/kg/d)	ORAL RfD mg/kg/d	MEAN %/100	RME %/100	MEAN %/100	RME %/100
METALS								
BERYLLIUM	ND	ND	4.30E+00	5.00E-03	1.00	1.00	0.01	0.01
NICKEL	1.90E+01	1.90E+01	NA	2.00E-02	1.00	1.00	0.01	0.01

NA = NOT AVAILABLE
ND = NOT DETECTED

TABLE : J.66

EXPOSURE, RISK AND HAZARD CALCULATIONS

SITE : FOUR COUNTY LANDFILL SITE
SECTOR : SOUTHWEST POND
LOCATION : ON-SITE
MEDIA : SEDIMENT
POPULATION : OLDER CHILDREN AND ADULTS
EXPOSURE SCENARIO : TRESPASSER-SEDIMENT

	LIFETIME AVERAGE DAILY INTAKE (mg/kg/day)		LIFETIME UPPER BOUND EXCESS CANCER RISK		ANNUAL AVERAGE DAILY INTAKE (mg/kg/d)		HAZARD QUOTIENT CDI/RfD	
PARAMETER	MEAN	RME	MEAN	RME	MEAN	RME	MEAN	RME
METALS								
BERYLLIUM	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NICKEL	3.17E-07	2.91E-06	0.00E+00	0.00E+00	2.46E-06	6.80E-06	1.23E-04	3.40E-04
	TOTAL LIFETIME ADDED CANCER RISK:		0.00E+00	0.00E+00	**HAZARD INDEX:**		1.23E-04	3.40E-04

TABLE : J.67

SUMMARY TABLE

SITE : FOUR COUNTY LANDFILL SITE
SECTOR : SOUTHWEST POND
LOCATION : ON-SITE
MEDIA : SEDIMENT
POPULATION : OLDER CHILDREN AND ADULTS
EXPOSURE SCENARIO : TRESPASSER-SEDIMENT

	MEDIA CONCENTRATION		LIFETIME UPPER BOUND EXCESS CANCER RISK		HAZARD QUOTIENT CDI/RfD	
PARAMETER	MEAN mg/kg	RME mg/kg	MEAN	95th %	MEAN	95th %
METALS						
BERYLLIUM	ND	ND	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NICKEL	1.90E+01	1.90E+01	0.00E+00	0.00E+00	1.23E-04	3.40E-04
	TOTAL LIFETIME ADDED CANCER RISK:		0.00E+00	0.00E+00		
			HAZARD INDEX:		1.23E-04	3.40E-04

TABLE : J.68

EXPOSURE SCENARIO FORMULA AND ASSUMPTIONS

EXPOSURE SCENARIO : HIKER/RECREATIONAL-SEDIMENT
SITE : FOUR COUNTY LANDFILL SITE
SECTOR : NORTH SECTOR
LOCATION : OFF-SITE

$$\text{EQUATION : INTAKE (mg/kg-day)} = \frac{CS \times CF \times SA \times AF \times ABS \times EF \times ED}{AT \times BW} + \frac{CS \times IR \times ABS \times CF \times EF \times ED}{AT \times BW} \times PTF$$

where :
CS = Chemical Concentration in Sediment (mg/kg)
IR = Ingestion Rate (mg sediment/day)
SA = Skin Surface Area Available for Contact (cm2/event)
CF = Conversion Factor (10E-06 kg/mg)
EF = Exposure Frequency (days/years)
ED = Exposure Duration (years)
BW = Body Weight (kg)
AT = Averaging Time (period over which exposure is averaged -- days)
AF = Soil to Skin Adherence Factor (mg/cm2)
ABS = Absorption Factor (unitless)
PTF = Percent of Time Factor: Percent of time in contaminated area. (%/100)

VARIABLE ASSUMPTIONS	MEAN	RME	REFERENCES
CS (mg/kg)	MEAN	95th %	RAGS (1, 2)
IR - (mg/exposure)	100	100	RAGS (1, 2)
SA (cm2)	5230	5230	DEAP (3)
CF (kg/mg)	0.000001	0.000001	RAGS (1, 2)
EF- OLDER CHILD AND ADULT (days/year	60	120	PROFESSIONAL JUDGEMENT
ED- OLDER CHILD AND ADULT (years)	9	30	RAGS (1, 2)
BW (OLDER CHILD AND ADULT) kg	70	70	RAGS (1, 2)
AT (CARCINOGEN) (yrs x days/yr)	25550	25550	RAGS (1, 2)
AT (NON-CARCINOGEN) (yrs x days/yr)	3285	10950	RAGS (1, 2)
AF (mg/cm2)	0.2	1	DEAP (3)
ABS ORAL (CHEMICAL SPECIFIC)			
DERMAL (CHEMICAL SPECIFIC)			
PTF	1	1	PROFESSIONAL JUDGEMENT

NOTE:
(1) EPA "RISK ASSESSMENT GUIDANCE FOR SUPERFUND MANUAL, DECEMBER 1989, EPA/540/1-89/002.
(2) SUPPLEMENTAL GUIDANCE: "STANDARD DEFAULT EXPOSURE FACTORS", OSWER DIRECTIVE: 9285.6-03, MARCH 25, 1991
(3) EPA DERMAL EXPOSURE ASSESSMENT: PRINCIPLES AND APPLICATIONS, EPA/600/8-89/011B, JANUARY 1992.

TABLE : J.69

MEDIA CONCENTRATIONS AND CHEMICAL CONSTANTS

SITE : FOUR COUNTY LANDFILL SITE
SECTOR : NORTH SECTOR
LOCATION : OFF-SITE
MEDIA : SEDIMENT
POPULATION : OLDER CHILDREN AND ADULTS
EXPOSURE SCENARIO : HIKER/RECREATIONAL-SEDIMENT

	MEDIA CONCENTRATION				ORAL BIOAVAIL. FACTOR		DERMAL BIOAVAIL. FACTOR	
PARAMETER	MEAN mg/kg	RME mg/kg	ORAL CSF 1/(mg/kg/d)	ORAL RfD mg/kg/d	MEAN %/100	RME %/100	MEAN %/100	RME %/100
METALS								
ANTIMONY	ND	ND	NA	4.00E-04	1.00	1.00	0.01	0.01
BERYLLIUM	2.90E-01	4.30E-01	4.30E+00	5.00E-03	1.00	1.00	0.01	0.01

NA = NOT AVAILABLE
ND = NOT DETECTED

TABLE : J.70

EXPOSURE, RISK AND HAZARD CALCULATIONS

SITE : FOUR COUNTY LANDFILL SITE
SECTOR : NORTH SECTOR
LOCATION : OFF-SITE
MEDIA : SEDIMENT
POPULATION : OLDER CHILDREN AND ADULTS
EXPOSURE SCENARIO : HIKER/RECREATIONAL-SEDIMENT

	LIFETIME AVERAGE DAILY INTAKE (mg/kg/day)		LIFETIME UPPER BOUND EXCESS CANCER RISK		ANNUAL AVERAGE DAILY INTAKE (mg/kg/d)		HAZARD QUOTIENT CDI/RfD	
PARAMETER	MEAN	RME	MEAN	RME	MEAN	RME	MEAN	RME
METALS								
ANTIMONY	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
BERYLLIUM	9.67E-09	1.32E-07	4.16E-08	5.67E-07	7.52E-08	3.08E-07	1.50E-05	6.15E-05
	TOTAL LIFETIME ADDED CANCER RISK:		4.16E-08	5.67E-07	**HAZARD INDEX:**		1.50E-05	6.15E-05

TABLE : J.71

SUMMARY TABLE

SITE : FOUR COUNTY LANDFILL SITE
SECTOR : NORTH SECTOR
LOCATION : OFF-SITE
MEDIA : SEDIMENT
POPULATION : OLDER CHILDREN AND ADULTS
EXPOSURE SCENARIO : HIKER/RECREATIONAL-SEDIMENT

	MEDIA CONCENTRATION		LIFETIME UPPER BOUND EXCESS CANCER RISK		HAZARD QUOTIENT CDI/RfD	
PARAMETER	MEAN mg/kg	RME mg/kg	MEAN	95th %	MEAN	95th %
METALS						
ANTIMONY	ND	ND	0.00E+00	0.00E+00	0.00E+00	0.00E+00
BERYLLIUM	2.90E-01	4.30E-01	4.16E-08	5.67E-07	1.50E-05	6.15E-05
	TOTAL LIFETIME ADDED CANCER RISK:		4.16E-08	5.67E-07		
			HAZARD INDEX:		1.50E-05	6.15E-05

TABLE : J.72

EXPOSURE SCENARIO FORMULA AND ASSUMPTIONS

EXPOSURE SCENARIO : HIKER/RECREATIONAL-SEDIMENT
SITE : FOUR COUNTY LANDFILL SITE
SECTOR : EAST SECTOR
LOCATION : OFF-SITE

$$\text{EQUATION : INTAKE (mg/kg-day)} = \frac{CS \times CF \times SA \times AF \times ABS \times EF \times ED}{AT \times BW} + \frac{CS \times IR \times ABS \times CF \times EF \times ED}{AT \times BW} \times PTF$$

where :
CS = Chemical Concentration in Sediment (mg/kg)
IR = Ingestion Rate (mg sediment/day)
SA = Skin Surface Area Available for Contact (cm2/event)
CF = Conversion Factor (10E-06 kg/mg)
EF = Exposure Frequency (days/years)
ED = Exposure Duration (years)
BW = Body Weight (kg)
AT = Averaging Time (period over which exposure is averaged -- days)
AF = Soil to Skin Adherence Factor (mg/cm2)
ABS = Absorption Factor (unitless)
PTF = Percent of Time Factor: Percent of time in contaminated area. (%/100)

VARIABLE ASSUMPTIONS	MEAN	RME	REFERENCES
CS (mg/kg)	MEAN	95th %	RAGS (1, 2)
IR - (mg/exposure)	100	100	RAGS (1, 2)
SA (cm2)	5230	5230	DEAP (3)
CF (kg/mg)	0.000001	0.000001	RAGS (1, 2)
EF- OLDER CHILD AND ADULT (days/year	60	120	PROFESSIONAL JUDGEMENT
ED- OLDER CHILD AND ADULT (years)	9	30	RAGS (1, 2)
BW (OLDER CHILD AND ADULT) kg	70	70	RAGS (1, 2)
AT (CARCINOGEN) (yrs x days/yr)	25550	25550	RAGS (1, 2)
AT (NON-CARCINOGEN) (yrs x days/yr)	3285	10950	RAGS (1, 2)
AF (mg/cm2)	0.2	1	DEAP (3)
ABS ORAL (CHEMICAL SPECIFIC)			
DERMAL (CHEMICAL SPECIFIC)			
PTF	1	1	PROFESSIONAL JUDGEMENT

NOTE:
(1) EPA "RISK ASSESSMENT GUIDANCE FOR SUPERFUND MANUAL, DECEMBER 1989, EPA/540/1-89/002.
(2) SUPPLEMENTAL GUIDANCE: "STANDARD DEFAULT EXPOSURE FACTORS", OSWER DIRECTIVE: 9285.6-03, MARCH 25, 1991
(3) EPA DERMAL EXPOSURE ASSESSMENT: PRINCIPLES AND APPLICATIONS, EPA/600/8-89/011B, JANUARY 1992.

TABLE : J.73

MEDIA CONCENTRATIONS AND CHEMICAL CONSTANTS

SITE : FOUR COUNTY LANDFILL SITE
SECTOR : EAST SECTOR
LOCATION : OFF-SITE
MEDIA : SEDIMENT
POPULATION : OLDER CHILDREN AND ADULTS
EXPOSURE SCENARIO : HIKER/RECREATIONAL-SEDIMENT

	MEDIA CONCENTRATION				ORAL BIOAVAIL. FACTOR		DERMAL BIOAVAIL. FACTOR	
PARAMETER	MEAN mg/kg	RME mg/kg	ORAL CSF 1/(mg/kg/d)	ORAL RfD mg/kg/d	MEAN %/100	RME %/100	MEAN %/100	RME %/100
METALS								
ANTIMONY	ND	ND	NA	4.00E-04	1.00	1.00	0.01	0.01
BERYLLIUM	4.30E-01	7.90E-01	4.30E+00	5.00E-03	1.00	1.00	0.01	0.01

NA = NOT AVAILABLE
ND = NOT DETECTED

TABLE : J.74

EXPOSURE, RISK AND HAZARD CALCULATIONS

SITE : FOUR COUNTY LANDFILL SITE
SECTOR : EAST SECTOR
LOCATION : OFF-SITE
MEDIA : SEDIMENT
POPULATION : OLDER CHILDREN AND ADULTS
EXPOSURE SCENARIO : HIKER/RECREATIONAL-SEDIMENT

	LIFETIME AVERAGE DAILY INTAKE (mg/kg/day)		LIFETIME UPPER BOUND EXCESS CANCER RISK		ANNUAL AVERAGE DAILY INTAKE (mg/kg/d)		HAZARD QUOTIENT CDI/RfD	
PARAMETER	MEAN	RME	MEAN	RME	MEAN	RME	MEAN	RME
METALS								
ANTIMONY	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
BERYLLIUM	1.43E-08	2.42E-07	6.17E-08	1.04E-06	1.12E-07	5.65E-07	2.23E-05	1.13E-04
	TOTAL LIFETIME ADDED CANCER RISK:		6.17E-08	1.04E-06	**HAZARD INDEX:**		2.23E-05	1.13E-04

TABLE : J.75

SUMMARY TABLE

SITE : FOUR COUNTY LANDFILL SITE
SECTOR : EAST SECTOR
LOCATION : OFF-SITE
MEDIA : SEDIMENT
POPULATION : OLDER CHILDREN AND ADULTS
EXPOSURE SCENARIO : HIKER/RECREATIONAL-SEDIMENT

	MEDIA CONCENTRATION		LIFETIME UPPER BOUND EXCESS CANCER RISK		HAZARD QUOTIENT CDI/RfD	
PARAMETER	MEAN mg/kg	RME mg/kg	MEAN	95th %	MEAN	95th %
METALS						
ANTIMONY	ND	ND	0.00E+00	0.00E+00	0.00E+00	0.00E+00
BERYLLIUM	4.30E-01	7.90E-01	6.17E-08	1.04E-06	2.23E-05	1.13E-04
	TOTAL LIFETIME ADDED CANCER RISK:		6.17E-08	1.04E-06		
			HAZARD INDEX:		2.23E-05	1.13E-04

TABLE : J.76

EXPOSURE SCENARIO FORMULA AND ASSUMPTIONS

EXPOSURE SCENARIO : HIKER/RECREATIONAL-SEDIMENT
SITE : FOUR COUNTY LANDFILL SITE
SECTOR : WEST SECTOR
LOCATION : OFF-SITE

$$\text{EQUATION : INTAKE (mg/kg-day)} = \frac{CS \times CF \times SA \times AF \times ABS \times EF \times ED}{AT \times BW} + \frac{CS \times IR \times ABS \times CF \times EF \times ED}{AT \times BW} \times PTF$$

where :
CS = Chemical Concentration in Sediment (mg/kg)
IR = Ingestion Rate (mg sediment/day)
SA = Skin Surface Area Available for Contact (cm2/event)
CF = Conversion Factor (10E-06 kg/mg)
EF = Exposure Frequency (days/years)
ED = Exposure Duration (years)
BW = Body Weight (kg)
AT = Averaging Time (period over which exposure is averaged -- days)
AF = Soil to Skin Adherence Factor (mg/cm2)
ABS = Absorption Factor (unitless)
PTF = Percent of Time Factor: Percent of time in contaminated area. (%/100)

VARIABLE ASSUMPTIONS	MEAN	RME	REFERENCES
CS (mg/kg)	MEAN	95th %	RAGS (1, 2)
IR - (mg/exposure)	100	100	RAGS (1, 2)
SA (cm2)	5230	5230	DEAP (3)
CF (kg/mg)	0.000001	0.000001	RAGS (1, 2)
EF- OLDER CHILD AND ADULT (days/ye:	60	120	PROFESSIONAL JUDGEMENT
ED- OLDER CHILD AND ADULT (years)	9	30	RAGS (1, 2)
BW (OLDER CHILD AND ADULT) kg	70	70	RAGS (1, 2)
AT (CARCINOGEN) (yrs x days/yr)	25550	25550	RAGS (1, 2)
AT (NON-CARCINOGEN) (yrs x days/yr)	3285	10950	RAGS (1, 2)
AF (mg/cm2)	0.2	1	DEAP (3)
ABS ORAL (CHEMICAL SPECIFIC)			
DERMAL (CHEMICAL SPECIFIC)			
PTF	1	1	PROFESSIONAL JUDGEMENT

NOTE:
(1) EPA "RISK ASSESSMENT GUIDANCE FOR SUPERFUND MANUAL, DECEMBER 1989, EPA/540/1-89/002.
(2) SUPPLEMENTAL GUIDANCE: "STANDARD DEFAULT EXPOSURE FACTORS", OSWER DIRECTIVE: 9285.6-03, MARCH 25, 1991
(3) EPA DERMAL EXPOSURE ASSESSMENT: PRINCIPLES AND APPLICATIONS, EPA/600/8-89/011B, JANUARY 1992.

TABLE : J.77

MEDIA CONCENTRATIONS AND CHEMICAL CONSTANTS

SITE : FOUR COUNTY LANDFILL SITE
SECTOR : WEST SECTOR
LOCATION : OFF-SITE
MEDIA : SEDIMENT
POPULATION : OLDER CHILDREN AND ADULTS
EXPOSURE SCENARIO : HIKER/RECREATIONAL-SEDIMENT

	MEDIA CONCENTRATION				ORAL BIOAVAIL. FACTOR		DERMAL BIOAVAIL. FACTOR	
PARAMETER	MEAN mg/kg	RME mg/kg	ORAL CSF 1/(mg/kg/d)	ORAL RfD mg/kg/d	MEAN %/100	RME %/100	MEAN %/100	RME %/100
METALS								
ANTIMONY	4.57E+00	6.70E+00	NA	4.00E-04	1.00	1.00	0.01	0.01
BERYLLIUM	5.80E-01	6.60E-01	4.30E+00	5.00E-03	1.00	1.00	0.01	0.01

NA = NOT AVAILABLE

TABLE : J.78

EXPOSURE, RISK AND HAZARD CALCULATIONS

SITE : FOUR COUNTY LANDFILL SITE
SECTOR : WEST SECTOR
LOCATION : OFF-SITE
MEDIA : SEDIMENT
POPULATION : OLDER CHILDREN AND ADULTS
EXPOSURE SCENARIO : HIKER/RECREATIONAL-SEDIMENT

	LIFETIME AVERAGE DAILY INTAKE (mg/kg/day)		LIFETIME UPPER BOUND EXCESS CANCER RISK		ANNUAL AVERAGE DAILY INTAKE (mg/kg/d)		HAZARD QUOTIENT CDI/RfD	
PARAMETER	MEAN	RME	MEAN	RME	MEAN	RME	MEAN	RME
METALS								
ANTIMONY	1.52E-07	2.05E-06	0.00E+00	0.00E+00	1.19E-06	4.79E-06	2.96E-03	1.20E-02
BERYLLIUM	1.93E-08	2.02E-07	8.32E-08	8.70E-07	1.50E-07	4.72E-07	3.01E-05	9.44E-05
	TOTAL LIFETIME ADDED CANCER RISK:		8.32E-08	8.70E-07	**HAZARD INDEX:**		2.99E-03	1.21E-02

TABLE : J.79

SUMMARY TABLE

SITE : FOUR COUNTY LANDFILL SITE
SECTOR : WEST SECTOR
LOCATION : OFF-SITE
MEDIA : SEDIMENT
POPULATION : OLDER CHILDREN AND ADULTS
EXPOSURE SCENARIO : HIKER/RECREATIONAL-SEDIMENT

	MEDIA CONCENTRATION		LIFETIME UPPER BOUND EXCESS CANCER RISK		HAZARD QUOTIENT CDI/RfD	
PARAMETER	MEAN mg/kg	RME mg/kg	MEAN	95th %	MEAN	95th %
METALS						
ANTIMONY	4.57E+00	6.70E+00	0.00E+00	0.00E+00	2.96E-03	1.20E-02
BERYLLIUM	5.80E-01	6.60E-01	8.32E-08	8.70E-07	3.01E-05	9.44E-05
	TOTAL LIFETIME ADDED CANCER RISK:		8.32E-08	8.70E-07		
			HAZARD INDEX:		2.99E-03	1.21E-02

TABLE : J.80

EXPOSURE SCENARIO FORMULA AND ASSUMPTIONS

EXPOSURE SCENARIO : RESIDENTIAL-SEDIMENT
SITE : FOUR COUNTY LANDFILL SITE
SECTOR : NORTH SECTOR
LOCATION : OFF-SITE

$$\text{EQUATION : INTAKE (mg/kg-day)} = \frac{CS \times CF \times SA \times AF \times ABS \times EF \times ED}{AT \times BW} + \frac{CS \times IR \times ABS \times CF \times EF \times ED}{AT \times BW} \times PTF$$

where :
CS = Chemical Concentration in Sediment (mg/kg)
IR = Ingestion Rate (mg sediment/day)
SA = Skin Surface Area Available for Contact (cm2/event)
CF = Conversion Factor (10E-06 kg/mg)
EF = Exposure Frequency (days/years)
ED = Exposure Duration (years)
BW = Body Weight (kg)
AT = Averaging Time (period over which exposure is averaged -- days)
AF = Soil to Skin Adherence Factor (mg/cm2)
ABS = Absorption Factor (unitless)
PTF = Percent of Time Factor: Percent of time in contaminated area. (%/100)

VARIABLE ASSUMPTIONS	MEAN	RME	REFERENCES
CS (mg/kg)	MEAN	95th %	RAGS (1, 2)
IR - CHILD (mg/day)	200	200	RAGS (1, 2)
IR - OLDER CHILD & ADULT (mg/day)	100	100	RAGS (1, 2)
SA (cm2)	5230	5230	DEAP (3)
CF (kg/mg)	0.000001	0.000001	RAGS (1, 2)
EF (days/year)	350	350	PROFESSIONAL JUDGEMENT
ED- CARCINOGEN (older child & adult) (years	4	25	RAGS (1, 2)
ED - CARCINOGEN (child) (years)	5	5	RAGS (1, 2)
ED - NON-CARCINOGEN (years)	9	30	RAGS (1, 2)
BW (OLDER CHILD AND ADULT) kg	70	70	RAGS (1, 2)
BW (CHILD) kg	16	16	RAGS (1, 2)
AT (CARCINOGEN) (yrs x days/yr)	25550	25550	RAGS (1, 2)
AT (NON-CARCINOGEN) (yrs x days/yr)	3285	10950	RAGS (1, 2)
AF (mg/cm2)	0.2	1	DEAP (3)
ABS ORAL (CHEMICAL SPECIFIC)			
DERMAL (CHEMICAL SPECIFIC)			
PTF	1	1	PROFESSIONAL JUDGEMENT

NOTE:
(1) EPA "RISK ASSESSMENT GUIDANCE FOR SUPERFUND MANUAL, DECEMBER 1989, EPA/540/1-89/002.
(2) SUPPLEMENTAL GUIDANCE: "STANDARD DEFAULT EXPOSURE FACTORS", OSWER DIRECTIVE: 9285.6-03, MARCH 25, 1991
(3) EPA DERMAL EXPOSURE ASSESSMENT: PRINCIPLES AND APPLICATIONS, EPA/600/8-89/011B, JANUARY 1992.

TABLE : J.81

MEDIA CONCENTRATIONS AND CHEMICAL CONSTANTS

SITE : FOUR COUNTY LANDFILL SITE
SECTOR : NORTH SECTOR
LOCATION : OFF-SITE
MEDIA : SEDIMENT
POPULATION : CHILDREN AND ADULTS
EXPOSURE SCENARIO : RESIDENTIAL-SEDIMENT

	MEDIA CONCENTRATION				ORAL BIOAVAIL. FACTOR		DERMAL BIOAVAIL. FACTOR	
PARAMETER	MEAN mg/kg	RME mg/kg	ORAL CSF 1/(mg/kg/d)	ORAL RfD mg/kg/d	MEAN %/100	RME %/100	MEAN %/100	RME %/100
METALS								
ANTIMONY	ND	ND	NA	4.00E-04	1.00	1.00	0.01	0.01
BERYLLIUM	2.90E-01	4.30E-01	4.30E+00	5.00E-03	1.00	1.00	0.01	0.01

NA = NOT AVAILABLE
ND = NOT DETECTED

TABLE : J.82

EXPOSURE, RISK AND HAZARD CALCULATIONS

SITE : FOUR COUNTY LANDFILL SITE
SECTOR : NORTH SECTOR
LOCATION : OFF-SITE
MEDIA : SEDIMENT
POPULATION : CHILDREN AND ADULTS
EXPOSURE SCENARIO : RESIDENTIAL-SEDIMENT

	LIFETIME AVERAGE DAILY INTAKE (mg/kg/day)		LIFETIME UPPER BOUND EXCESS CANCER RISK		ANNUAL AVERAGE DAILY INTAKE (mg/kg/d)		HAZARD QUOTIENT CDI/RfD	
PARAMETER	MEAN	RME	MEAN	RME	MEAN	RME	MEAN	RME
METALS								
ANTIMONY	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
BERYLLIUM	2.86E-07	7.85E-07	1.23E-06	3.37E-06	3.66E-06	6.50E-06	7.32E-04	1.30E-03
	TOTAL LIFETIME ADDED CANCER RISK:		1.23E-06	3.37E-06	**HAZARD INDEX:**		7.32E-04	1.30E-03

TABLE : J.83

SUMMARY TABLE

SITE : FOUR COUNTY LANDFILL SITE
SECTOR : NORTH SECTOR
LOCATION : OFF-SITE
MEDIA : SEDIMENT
POPULATION : CHILDREN AND ADULTS
EXPOSURE SCENARIO : RESIDENTIAL-SEDIMENT

	MEDIA CONCENTRATION		LIFETIME UPPER BOUND EXCESS CANCER RISK		HAZARD QUOTIENT CDI/RfD	
PARAMETER	MEAN mg/kg	RME mg/kg	MEAN	95th %	MEAN	95th %
METALS						
ANTIMONY	ND	ND	0.00E+00	0.00E+00	0.00E+00	0.00E+00
BERYLLIUM	2.90E-01	4.30E-01	1.23E-06	3.37E-06	7.32E-04	1.30E-03
	TOTAL LIFETIME ADDED CANCER RISK:		1.23E-06	3.37E-06		
			HAZARD INDEX:		7.32E-04	1.30E-03

TABLE : J.84

EXPOSURE SCENARIO FORMULA AND ASSUMPTIONS

EXPOSURE SCENARIO : RESIDENTIAL-SEDIMENT
SITE : FOUR COUNTY LANDFILL SITE
SECTOR : EAST SECTOR
LOCATION : OFF-SITE

$$\text{EQUATION : INTAKE (mg/kg-day)} = \frac{CS \times CF \times SA \times AF \times ABS \times EF \times ED}{AT \times BW} + \frac{CS \times IR \times ABS \times CF \times EF \times ED}{AT \times BW} \times PTF$$

where :
CS = Chemical Concentration in Sediment (mg/kg)
IR = Ingestion Rate (mg sediment/day)
SA = Skin Surface Area Available for Contact (cm2/event)
CF = Conversion Factor (10E-06 kg/mg)
EF = Exposure Frequency (days/years)
ED = Exposure Duration (years)
BW = Body Weight (kg)
AT = Averaging Time (period over which exposure is averaged -- days)
AF = Soil to Skin Adherence Factor (mg/cm2)
ABS = Absorption Factor (unitless)
PTF = Percent of Time Factor: Percent of time in contaminated area. (%/100)

VARIABLE ASSUMPTIONS	MEAN	RME	REFERENCES
CS (mg/kg)	MEAN	95th %	RAGS (1, 2)
IR - CHILD (mg/day)	200	200	RAGS (1, 2)
IR - OLDER CHILD & ADULT (mg/day)	100	100	RAGS (1, 2)
SA (cm2)	5230	5230	DEAP (3)
CF (kg/mg)	0.000001	0.000001	RAGS (1, 2)
EF (days/year)	350	350	PROFESSIONAL JUDGEMENT
ED- CARCINOGEN (older child & adult) (year:	4	25	RAGS (1, 2)
ED - CARCINOGEN (child) (years)	5	5	RAGS (1, 2)
ED - NON-CARCINOGEN (years)	9	30	RAGS (1, 2)
BW (OLDER CHILD AND ADULT) kg	70	70	RAGS (1, 2)
BW (CHILD) kg	16	16	RAGS (1, 2)
AT (CARCINOGEN) (yrs x days/yr)	25550	25550	RAGS (1, 2)
AT (NON-CARCINOGEN) (yrs x days/yr)	3285	10950	RAGS (1, 2)
AF (mg/cm2)	0.2	1	DEAP (3)
ABS ORAL (CHEMICAL SPECIFIC)			
DERMAL (CHEMICAL SPECIFIC)			
PTF	1	1	PROFESSIONAL JUDGEMENT

NOTE:
(1) EPA "RISK ASSESSMENT GUIDANCE FOR SUPERFUND MANUAL, DECEMBER 1989, EPA/540/1-89/002.
(2) SUPPLEMENTAL GUIDANCE: "STANDARD DEFAULT EXPOSURE FACTORS", OSWER DIRECTIVE: 9285.6-03, MARCH 25, 1991
(3) EPA DERMAL EXPOSURE ASSESSMENT: PRINCIPLES AND APPLICATIONS, EPA/600/8-89/011B, JANUARY 1992.

TABLE : J.85

MEDIA CONCENTRATIONS AND CHEMICAL CONSTANTS

SITE : FOUR COUNTY LANDFILL SITE
SECTOR : EAST SECTOR
LOCATION : OFF-SITE
MEDIA : SEDIMENT
POPULATION : CHILDREN AND ADULTS
EXPOSURE SCENARIO : RESIDENTIAL-SEDIMENT

	MEDIA CONCENTRATION				ORAL BIOAVAIL. FACTOR		DERMAL BIOAVAIL. FACTOR	
PARAMETER	MEAN mg/kg	RME mg/kg	ORAL CSF 1/(mg/kg/d)	ORAL RfD mg/kg/d	MEAN %/100	RME %/100	MEAN %/100	RME %/100
METALS								
ANTIMONY	ND	ND	NA	4.00E-04	1.00	1.00	0.01	0.01
BERYLLIUM	4.30E-01	7.90E-01	4.30E+00	5.00E-03	1.00	1.00	0.01	0.01

NA = NOT AVAILABLE
ND = NOT DETECTED

TABLE : J.86

EXPOSURE, RISK AND HAZARD CALCULATIONS

SITE : FOUR COUNTY LANDFILL SITE
SECTOR : EAST SECTOR
LOCATION : OFF-SITE
MEDIA : SEDIMENT
POPULATION : CHILDREN AND ADULTS
EXPOSURE SCENARIO : RESIDENTIAL-SEDIMENT

	LIFETIME AVERAGE DAILY INTAKE (mg/kg/day)		LIFETIME UPPER BOUND EXCESS CANCER RISK		ANNUAL AVERAGE DAILY INTAKE (mg/kg/d)		HAZARD QUOTIENT CDI/RfD	
PARAMETER	MEAN	RME	MEAN	RME	MEAN	RME	MEAN	RME
METALS								
ANTIMONY	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
BERYLLIUM	4.25E-07	1.44E-06	1.83E-06	6.20E-06	5.42E-06	1.19E-05	1.08E-03	2.39E-03
	TOTAL LIFETIME ADDED CANCER RISK:		1.83E-06	6.20E-06	**HAZARD INDEX:**		1.08E-03	2.39E-03

TABLE : J.87

SUMMARY TABLE

SITE : FOUR COUNTY LANDFILL SITE
SECTOR : EAST SECTOR
LOCATION : OFF-SITE
MEDIA : SEDIMENT
POPULATION : CHILDREN AND ADULTS
EXPOSURE SCENARIO : RESIDENTIAL-SEDIMENT

	MEDIA CONCENTRATION		LIFETIME UPPER BOUND EXCESS CANCER RISK		HAZARD QUOTIENT CDI/RfD	
	MEAN	RME				
PARAMETER	mg/kg	mg/kg	MEAN	95th %	MEAN	95th %
METALS						
ANTIMONY	ND	ND	0.00E+00	0.00E+00	0.00E+00	0.00E+00
BERYLLIUM	4.30E-01	7.90E-01	1.83E-06	6.20E-06	1.08E-03	2.39E-03
	TOTAL LIFETIME ADDED CANCER RISK:		1.83E-06	6.20E-06		
			HAZARD INDEX:		1.08E-03	2.39E-03

TABLE : J.88

EXPOSURE SCENARIO FORMULA AND ASSUMPTIONS

EXPOSURE SCENARIO : RESIDENTIAL-SEDIMENT
SITE : FOUR COUNTY LANDFILL SITE
SECTOR : WEST SECTOR
LOCATION : OFF-SITE

$$\text{EQUATION : INTAKE (mg/kg-day)} = \frac{CS \times CF \times SA \times AF \times ABS \times EF \times ED}{AT \times BW} + \frac{CS \times IR \times ABS \times CF \times EF \times ED}{AT \times BW} \times PTF$$

where :
CS = Chemical Concentration in Sediment (mg/kg)
IR = Ingestion Rate (mg sediment/day)
SA = Skin Surface Area Available for Contact (cm2/event)
CF = Conversion Factor (10E-06 kg/mg)
EF = Exposure Frequency (days/years)
ED = Exposure Duration (years)
BW = Body Weight (kg)
AT = Averaging Time (period over which exposure is averaged -- days)
AF = Soil to Skin Adherence Factor (mg/cm2)
ABS = Absorption Factor (unitless)
PTF = Percent of Time Factor: Percent of time in contaminated area. (%/100)

VARIABLE ASSUMPTIONS	MEAN	RME	REFERENCES
CS (mg/kg)	MEAN	95th %	RAGS (1, 2)
IR - CHILD (mg/day)	200	200	RAGS (1, 2)
IR - OLDER CHILD & ADULT (mg/day)	100	100	RAGS (1, 2)
SA (cm2)	5230	5230	DEAP (3)
CF (kg/mg)	0.000001	0.000001	RAGS (1, 2)
EF (days/year)	350	350	PROFESSIONAL JUDGEMENT
ED- CARCINOGEN (older child & adult) (years	4	25	RAGS (1, 2)
ED - CARCINOGEN (child) (years)	5	5	RAGS (1, 2)
ED - NON-CARCINOGEN (years)	9	30	RAGS (1, 2)
BW (OLDER CHILD AND ADULT) kg	70	70	RAGS (1, 2)
BW (CHILD) kg	16	16	RAGS (1, 2)
AT (CARCINOGEN) (yrs x days/yr)	25550	25550	RAGS (1, 2)
AT (NON-CARCINOGEN) (yrs x days/yr)	3285	10950	RAGS (1, 2)
AF (mg/cm2)	0.2	1	DEAP (3)
ABS ORAL (CHEMICAL SPECIFIC)			
DERMAL (CHEMICAL SPECIFIC)			
PTF	1	1	PROFESSIONAL JUDGEMENT

NOTE:
(1) EPA "RISK ASSESSMENT GUIDANCE FOR SUPERFUND MANUAL, DECEMBER 1989, EPA/540/1-89/002.
(2) SUPPLEMENTAL GUIDANCE: "STANDARD DEFAULT EXPOSURE FACTORS", OSWER DIRECTIVE: 9285.6-03, MARCH 25, 1991
(3) EPA DERMAL EXPOSURE ASSESSMENT: PRINCIPLES AND APPLICATIONS, EPA/600/8-89/011B, JANUARY 1992.

TABLE : J.89

MEDIA CONCENTRATIONS AND CHEMICAL CONSTANTS

SITE : FOUR COUNTY LANDFILL SITE
SECTOR : WEST SECTOR
LOCATION : OFF-SITE
MEDIA : SEDIMENT
POPULATION : CHILDREN AND ADULTS
EXPOSURE SCENARIO : RESIDENTIAL-SEDIMENT

	MEDIA CONCENTRATION				ORAL BIOAVAIL. FACTOR		DERMAL BIOAVAIL. FACTOR	
PARAMETER	MEAN mg/kg	RME mg/kg	ORAL CSF 1/(mg/kg/d)	ORAL RfD mg/kg/d	MEAN %/100	RME %/100	MEAN %/100	RME %/100
METALS								
ANTIMONY	4.57E+00	6.70E+00	NA	4.00E-04	1.00	1.00	0.01	0.01
BERYLLIUM	5.80E-01	6.60E-01	4.30E+00	5.00E-03	1.00	1.00	0.01	0.01

NA = NOT AVAILABLE
ND = NOT DETECTED

TABLE : J.90

EXPOSURE, RISK AND HAZARD CALCULATIONS

SITE : FOUR COUNTY LANDFILL SITE
SECTOR : WEST SECTOR
LOCATION : OFF-SITE
MEDIA : SEDIMENT
POPULATION : CHILDREN AND ADULTS
EXPOSURE SCENARIO : RESIDENTIAL-SEDIMENT

	LIFETIME AVERAGE DAILY INTAKE (mg/kg/day)		LIFETIME UPPER BOUND EXCESS CANCER RISK		ANNUAL AVERAGE DAILY INTAKE (mg/kg/d)		HAZARD QUOTIENT CDI/RfD	
PARAMETER	MEAN	RME	MEAN	RME	MEAN	RME	MEAN	RME
METALS								
ANTIMONY	4.51E-06	1.22E-05	0.00E+00	0.00E+00	5.76E-05	1.01E-04	1.44E-01	2.53E-01
BERYLLIUM	5.73E-07	1.20E-06	2.46E-06	5.18E-06	7.32E-06	9.98E-06	1.46E-03	2.00E-03
	TOTAL LIFETIME ADDED CANCER RISK:		2.46E-06	5.18E-06	**HAZARD INDEX:**		1.46E-01	2.55E-01

TABLE : J.91

SUMMARY TABLE

SITE : FOUR COUNTY LANDFILL SITE
SECTOR : WEST SECTOR
LOCATION : OFF-SITE
MEDIA : SEDIMENT
POPULATION : CHILDREN AND ADULTS
EXPOSURE SCENARIO : RESIDENTIAL-SEDIMENT

	MEDIA CONCENTRATION		LIFETIME UPPER BOUND EXCESS CANCER RISK		HAZARD QUOTIENT CDI/RfD	
PARAMETER	MEAN mg/kg	RME mg/kg	MEAN	95th %	MEAN	95th %
METALS						
ANTIMONY	4.57E+00	6.70E+00	0.00E+00	0.00E+00	1.44E-01	2.53E-01
BERYLLIUM	5.80E-01	6.60E-01	2.46E-06	5.18E-06	1.46E-03	2.00E-03
	TOTAL LIFETIME ADDED CANCER RISK:		2.46E-06	5.18E-06		
			HAZARD INDEX:		1.46E-01	2.55E-01

TABLE : J.92

EXPOSURE SCENARIO FORMULA AND ASSUMPTIONS

EXPOSURE SCENARIO : INDUSTRIAL WORKER - AIR
SITE : *FOUR COUNTY LANDFILL SITE*
SECTOR : NA
LOCATION : ON-SITE

EQUATION : INTAKE (mg/kg-day) = $\frac{CA \times IR \times EF \times ED}{AT \times BW}$

where :
CA = Chemical Concentration in Air (mg/m3)
IR = Inhalation Rate (m3/day)
EF = Exposure Frequency (days/years)
ED = Exposure Duration (years)
BW = Body Weight (kg)
AT = Averaging Time (period over which exposure is averaged -- days)

VARIABLE ASSUMPTIONS	MEAN	RME	REFERENCES
CA (mg/m3)	MAX	MAX	RAGS (1, 2)
IR - ADULT (m3/day)	10	10	RAGS (1, 2)
EF - (days/year)	10	60	RAGS (1, 2)
ED - CARCINOGEN (adult) (years)	25	25	RAGS (1, 2)
ED - NON-CARCINOGEN (years)	1	1	RAGS (1, 2)
BW (adult) kg	70	70	RAGS (1, 2)
AT (carcinogen) (yrs x days/yr)	25550	25550	RAGS (1, 2)
AT (non-carcinogen) (yrs x days/yr)	365	365	RAGS (1, 2)

NOTE:
(1) EPA "RISK ASSESSMENT GUIDANCE FOR SUPERFUND MANUAL, DECEMBER 1989, EPA/540/1-89/002.
(2) SUPPLEMENTAL GUIDANCE: "STANDARD DEFAULT EXPOSURE FACTORS", OSWER DIRECTIVE: 9285.6-03, MARCH 25, 1991

TABLE : J.93

MEDIA CONCENTRATIONS AND CHEMICAL CONSTANTS

SITE : FOUR COUNTY LANDFILL SITE
SECTOR : NA
LOCATION : ON-SITE
MEDIA : AIR
POPULATION : ADULT
EXPOSURE SCENARIO : INDUSTRIAL WORKER - AIR

	MEDIA CONCENTRATION			
			INHALATION	HALATION
	MEAN	RME	CSF	RfD
PARAMETER	mg/m3	mg/m3	/(mg/kg/d	mg/kg/d
VOCs				
ACETONE	1.60E-02	1.60E-02	NA	3.00E+00
1,1-DICHLOROETHENE	2.70E-03	2.70E-03	1.75E-01	NA

NA = NOT AVAILABLE

TABLE : J.94

EXPOSURE, RISK AND HAZARD CALCULATIONS

SITE : FOUR COUNTY LANDFILL SITE
SECTOR : NA
LOCATION : ON-SITE
MEDIA : AIR
POPULATION : ADULT
EXPOSURE SCENARIO : INDUSTRIAL WORKER - AIR

	LIFETIME AVERAGE DAILY INTAKE (mg/kg/day)		LIFETIME UPPER BOUN EXCESS CANCER RISK		ANNUAL AVERAGE DAILY INTAKE (mg/kg/d)		HAZARD QUOTIENT CDI/RfD	
PARAMETER	MEAN	RME	MEAN	RME	MEAN	RME	MEAN	RME
VOCs								
ACETONE	2.24E-05	1.34E-04	0.00E+00	0.00E+00	6.26E-05	3.76E-04	2.09E-05	1.25E-04
1,1-DICHLOROETHENE	3.77E-06	2.26E-05	6.60E-07	3.96E-06	1.06E-05	6.34E-05	0.00E+00	0.00E+00
	TOTAL LIFETIME ADDED CANCER RISI		6.60E-07	3.96E-06	**HAZARD INDEX:**		2.09E-05	1.25E-04

TABLE : J.95

SUMMARY TABLE

SITE : FOUR COUNTY LANDFILL SITE
SECTOR : NA
LOCATION : ON-SITE
MEDIA : AIR
POPULATION : ADULT
EXPOSURE SCENARIO : INDUSTRIAL WORKER - AIR

	MEDIA CONCENTRATIO		LIFETIME UPPER BOUN		HAZARD QUOTIENT	
			EXCESS CANCER RISK		CDI/RfD	
	MEAN	RME				
PARAMETER	mg/m3	mg/m3	MEAN	95th %	MEAN	95th %
VOCs						
ACETONE	1.60E-02	1.60E-02	0.00E+00	0.00E+00	2.09E-05	1.25E-04
1,1-DICHLOROETHENE	2.70E-03	2.70E-03	6.60E-07	3.96E-06	0.00E+00	0.00E+00
	TOTAL LIFETIME ADDED CANCER RISI		6.60E-07	3.96E-06		
			HAZARD INDEX:		2.09E-05	1.25E-04

TABLE : J.96

EXPOSURE SCENARIO FORMULA AND ASSUMPTIONS

EXPOSURE SCENARIO : RESIDENTIAL - AIR
SITE : FOUR COUNTY LANDFILL SITE
SECTOR : NA
LOCATION : ON-SITE

EQUATION : INTAKE (mg/kg-day) = $\frac{CA \times IR \times EF \times ED}{AT \times BW} \times PTF$

where :
CA = Chemical Concentration in Air (mg/m3)
IR = Inhalation Rate (m3/day)
EF = Exposure Frequency (days/years)
ED = Exposure Duration (years)
BW = Body Weight (kg)
AT = Averaging Time (period over which exposure is averaged -- days)
PTF = Percent of Time Factor: percent of time in contaminated area (%/100).

VARIABLE ASSUMPTIONS	MEAN	RME	REFERENCES
CA (mg/m3)	MEAN	95th %	RAGS (1, 2)
IR - CHILD (m3/day)	16	16	RAGS (1, 2)
IR - OLDER CHILD AND ADULT (m3/day)	20	20	RAGS (1, 2)
EF - (days/year)	350	350	RAGS (1, 2)
ED - CARCINOGEN (older child and adult) (years)	4	25	RAGS (1, 2)
ED - CARCINOGEN (child) (years)	5	5	RAGS (1, 2)
ED - NON-CARCINOGEN (years)	1	1	RAGS (1, 2)
BW (child) kg	16	16	RAGS (1, 2)
BW (older child and adult) kg	70	70	RAGS (1, 2)
AT (carcinogen) (yrs x days/yr)	25550	25550	RAGS (1, 2)
AT (non-carcinogen) (yrs x days/yr)	365	365	RAGS (1, 2)
PTF	0.2	0.3	PROFESSIONAL JUDGEMENT

NOTE:
(1) EPA "RISK ASSESSMENT GUIDANCE FOR SUPERFUND MANUAL, DECEMBER 1989, EPA/540/1-89/002.
(2) SUPPLEMENTAL GUIDANCE: "STANDARD DEFAULT EXPOSURE FACTORS", OSWER DIRECTIVE: 9285.6-03, MARCH 25, 1991

TABLE : J.97

MEDIA CONCENTRATIONS AND CHEMICAL CONSTANTS

SITE : FOUR COUNTY LANDFILL SITE
SECTOR : NA
LOCATION : ON-SITE
MEDIA : AIR
POPULATION : ADULT AND CHILD
EXPOSURE SCENARIO : RESIDENTIAL - AIR

	MEDIA CONCENTRATION			
			INHALATION	INHALATION
	MEAN	RME	CSF	RfD
PARAMETER	mg/m3	mg/m3	1/(mg/kg/d)	mg/kg/d
VOCs				
ACETONE	7.00E-03	9.20E-03	NA	3.00E+00
1,1-DICHLOROETHENE	1.20E-03	1.60E-03	1.75E-01	NA

NA = NOT AVAILABLE

TABLE : J.98

EXPOSURE, RISK AND HAZARD CALCULATIONS

SITE : FOUR COUNTY LANDFILL SITE
SECTOR : NA
LOCATION : ON-SITE
MEDIA : AIR
POPULATION : ADULT AND CHILD
EXPOSURE SCENARIO : RESIDENTIAL - AIR

	LIFETIME AVERAGE DAILY INTAKE (mg/kg/day)		LIFETIME UPPER BOUND EXCESS CANCER RISK		ANNUAL AVERAGE DAILY INTAKE (mg/kg/d)		HAZARD QUOTIENT CDI/RfD	
PARAMETER	MEAN	RME	MEAN	RME	MEAN	RME	MEAN	RME
VOCs								
ACETONE	1.18E-04	4.59E-04	0.00E+00	0.00E+00	1.34E-03	2.65E-03	4.47E-04	8.82E-04
1,1-DICHLOROETHENE	2.02E-05	7.98E-05	3.53E-06	1.40E-05	2.30E-04	4.60E-04	0.00E+00	0.00E+00
	TOTAL LIFETIME ADDED CANCER RISK:		3.53E-06	1.40E-05	**HAZARD INDEX:**		4.47E-04	8.82E-04

TABLE : J.99

SUMMARY TABLE

SITE : FOUR COUNTY LANDFILL SITE
SECTOR : NA
LOCATION : ON-SITE
MEDIA : AIR
POPULATION : ADULT AND CHILD
EXPOSURE SCENARIO : RESIDENTIAL - AIR

	MEDIA CONCENTRATION		LIFETIME UPPER BOUND EXCESS CANCER RISK		HAZARD QUOTIENT CDI/RfD	
PARAMETER	MEAN mg/m3	RME mg/m3	MEAN	95th %	MEAN	95th %
VOCs						
ACETONE	7.00E-03	9.20E-03	0.00E+00	0.00E+00	4.47E-04	8.82E-04
1,1-DICHLOROETHENE	1.20E-03	1.60E-03	3.53E-06	1.40E-05	0.00E+00	0.00E+00
	TOTAL LIFETIME ADDED CANCER RISK:		3.53E-06	1.40E-05		
			HAZARD INDEX:		4.47E-04	8.82E-04