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**REPORT OF
PHASE I ENVIRONMENTAL SITE ASSESSMENT**

**USTFields Site
821 Portage Avenue
South Bend, Indiana**

Prepared For:

**CITY OF SOUTH BEND
COMMUNITY AND ECONOMIC DEVELOPMENT
1200 COUNTY-CITY BUILDING
SOUTH BEND, INDIANA 46601**

**Prepared By:
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November 29, 2004

PROJECT NO: 24022

November 29, 2004

City of South Bend
Community and Economic Development
1200 County-City Building
South Bend, Indiana 46601

Attention: Ms. Tonya Zozulya

**Subject: Report of Phase I Environmental Site Assessment
USTFields Site
821 Portage Avenue
South Bend, Indiana
Project No: 24022**

Wightman Petrie Environmental, Inc. (WPE) is pleased to submit this Report of Phase I Environmental Site Assessment for the property identified as 821 Portage Avenue in South Bend, Indiana. The property was specifically recommended for assessment by the Portage Avenue Steering Committee as an "underutilized site", whose redevelopment potential is hindered by either known or perceived presence of environmental contamination associated with historical use as a gasoline service station. Funding for the assessment is provided to the City of South Bend as part of the Environmental Protection Agency's USTfields Pilot Grant, administered by the Indiana Department of Environmental Management (IDEM).

The Portage Avenue Steering Committee is a local citizen participation group formed as part of the Commercial Corridor Program Initiative by the City of South Bend, seeking public involvement in the revitalization within designated "Commercial Corridors" leading to and from the City of South Bend. The Portage Avenue Corridor is one of the five designated "Commercial Corridors" presently identified within the City of South Bend.

The subject site, consisting of approximately 1/4-acre, historically served as a gasoline service station from at least 1974 through 1984, although currently vacant (storage of personal goods by current owner, Ms. Leta Covington). The most recent occupant of the property was as a commercial tool repair operation (2000).

Visually, the gasoline dispenser units have been removed from the site, although all other components of the former gasoline service operation (i.e., USTs, underground piping, dispenser islands, fillports, vent pipes) remain present. A total of four UST systems were visually identified (presence of fillports) as remaining in the ground at the site. Three of the systems were noted as containing less than two inches of residual petroleum product, whereas the fourth UST system (likely a former diesel storage tank) appeared to have been filled with an inert material.

WPE is not aware of any prior environmental site investigations having been performed at the subject property.

The purpose of our services was to identify environmental concerns and recognized environmental conditions as a prelude to the performance of a Phase II Environmental Site Assessment as part of the USTFields Pilot Grant Program.

This report is intended for the use of the City of South Bend and the Indiana Department of Environmental Management (IDEM) subject to the qualifications and certifications presented herein. Use of this report for purposes beyond those reasonably intended by the City of South Bend, Indiana Department of Environmental Management and Wightman Petrie Environmental, Inc. would be at the sole risk of the user. If other parties wish to rely on this report, please have them contact us so that a mutual understanding and agreement to the terms and conditions for our services can be established prior to their use of this information.

This report presents project information, which includes survey procedures and limitations, along with our findings, conclusions and recommendations. We appreciate your selection of Wightman Petrie Environmental, Inc. for this project and look forward to assisting you on other future projects. If you have any questions, please do not hesitate to contact us.

Sincerely,

WIGHTMAN PETRIE ENVIRONMENTAL SERVICES, INC.

Conley B. Phifer
Senior Project Manager

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1.0 EXECUTIVE SUMMARY

PROPERTY NAME: USTFields Site
821 Portage Avenue
South Bend, Indiana

This executive summary is provided for convenience and should not substitute for review of a complete report.

On-Site

The subject site, located at 821 Portage Avenue, consists of approximately 1/4-acre that has been developed with an approximate 900 sq. ft. steel concrete block and steel frame, slab on grade building with brick facade building. Ms. Leta Covington, the current owner of the property, purchased the property via a tax sale (St. Joseph County) in 2003. Ms. Covington utilizes space within the existing building for the storage of personal effects. Although public utilities (water and sewer) are available to the subject site, all utilities, inclusive of electrical and natural gas, have been terminated based upon prolonged vacancy of the site.

A total of four UST systems were visually identified via the presence of fillports within the paved areas of the site. Subsequent “sticking” of the three fillports located directly in front of the existing building indicated less than two inches of residual petroleum product remaining in the tanks. The fourth UST system, located at the extreme southeastern corner of the property, likely a former diesel fuel storage tank, appeared to have been filled with an inert material (i.e., closed in place). Visually, the gasoline dispenser units have been removed from the site, although all other components of the former gasoline service operation (i.e., USTs, underground piping, dispenser islands, fillports, vent pipes) remain present. WPE did not identify the presence of hazardous or petroleum product containers (i.e., drums, pails, etc.) during our reconnaissance of the subject property.

WPE noted the presence of a small natural gas water heater and natural gas fired furnace system within the building interior. We note that the hot water heater is not properly supported and could potentially be a code violation with respect to any proposed future tenant activity.

As the building is currently vacant, solid waste services are not currently provided to the subject site. No other accumulations of trash or debris were identified on the subject site.

WPE did not observe any indications of the historical presence of hydraulic lifts associated with the former gasoline service station operations conducted at the subject property. Indeed, given the limited size of the building and its configuration, it is highly unlikely that any automobile service operations were ever conducted at the subject property.

Two stormwater collection basins are present on the subject property (dry wells). No other readily identifiable drains or sumps were noted during the site reconnaissance, although the storage of personal effects by the property owner within the building did not allow for a clear site view of the entire floor surface area. As such, additional floor drains may be present within the existing building.

Pits, ponds, lagoons, surface waters or wetland areas were not observed on the subject site. Similarly, WPE did not observe the presence of electrical transformers, staining, stressed vegetation or obnoxious odors during our reconnaissance.

The subject site was not listed on any of the environmental regulatory databases reviewed by Wightman Petrie Environmental.

A review of historical city directories indicates that the subject property (821 Portage Avenue) was a residential dwelling from at least 1923 through 1968. The 1970 and 1972 city directories do not list the subject property, an indication that there was no defined property use. The 1974 through 1984 historical directories indicate the presence of the Pacer Oil gasoline service station, whereas the 1985 through 1998 directories indicate the property to be vacant. The 2000 directory indicates the presence of the APA Repair Services (commercial tool repair repair-last known occupant), with no listing of the property in subsequent years.

It should be noted that the 821 Portage Avenue address as it currently exists, is a historical combination of addresses that include 821, 823 and 827 Portage Avenue. More specifically, a review of historical city directories indicate that the 823 Portage address was a residential dwelling from at least 1933 through 1965, and that the 827 Portage Avenue address served as a

shoe repair/sales operation from at least 1933 through 1970. Such uses are verified through a review of the 1917 and 1949 historical Sanborn Fire Insurance Maps. We note that the 1980 Sanborn Map indicates the conversion of all three addresses to that of 821 Portage Avenue, which was identified as a gasoline filling station, with no listings of the 823 or 827 Portage Avenue addresses within the historical city directories after 1975 (the same year that the 821 Portage Avenue address was identified as the Pacer Oil Company filling station).

Off-Site

Surrounding land use is a combination of residential and commercial. To the north of the subject property are residential dwellings and a floral shop (Frepan's Floral at 909 Portage Avenue). To the northeast are a vacant lot (906 Portage Avenue) and the Ford Distribution Company complex (Ford Vending and A-1 Coffee) at 908-910 Portage Avenue. To the east of the site, across Portage Avenue is a restaurant (Taqueria El Gordo) at 838 Portage Avenue (intersection of Portage Avenue and Rex Avenue), and several smaller, primarily vacant, storefronts as part of a three four building complex (836 through 812 Portage Avenue). To the south, southwest, west and northwest are residential dwellings.

A review of the regulatory database search identified one RCRA Small Quantity Generator site at 938 Riverside (approximately 1/4-mile east and downgradient of the subject site), for which no violations of record were identified. One Registered Storage Tank facility (Vacant Property at 1002 – 1010 Portage Avenue, approximately 1/8-mile northeast of subject site) was identified as having had five UST systems Permanently Out Of Service, with closure dates of August 1997. The database search also identified one Leaking Underground Storage Tank (LUST) facility (Marathon Unit 1932), located at 1107 Lincolnway West, approximately 1/4-mile southwest of the subject site. The facility was noted as having had a release to soil and groundwater in 1990 and was listed as being "active" by IDEM. However based upon topographic considerations, distance from the subject site and date of release (1990) it is unlikely that substantial environmental impact to the subject site has resulted from the LUST condition.

Also noted in a review of historical city directories was the presence of a gasoline service station at the 838 Portage Avenue address (immediately northeast of the subject property, across Portage Avenue) from at least 1933 through 1950. The facility subsequently operated as a dry cleaning drop-off station and as a restaurant (various entities) through current date. Visually, WPE was

unable to determine if the aforementioned historical UST systems remained in the ground. Similarly we note the historical operation of a gasoline service station at 927 Portage Avenue (approximately 1/10-mile north/northwest of the subject property), which operated from at least 1933 through 1965. During the periods of operation for these facilities, there were no regulations requiring tank registration and/or minimum requirements for tank installation/monitoring. We note that the 927 Portage Avenue address is also being assessed under the USTFields Pilot Grant Program as an abandoned gasoline service station. Both of the aforementioned historical gasoline service stations would be considered as topographically downgradient of the subject site and would therefore not be expected to result in environmental conditions impacting the subject property.

Conclusions

Based on the information made available to Wightman Petrie Environmental, Inc. or obtained during our assessment of the subject property, historical uses of the subject site as a gasoline service station (1974 through at least 1984), with visual indications of the UST systems remaining in the ground, are considered a recognized environmental condition meriting additional environmental assessment. At least three underground storage tank systems remain in the ground at the property, although each of the tanks was determined to contain less than two inches of petroleum residual. A fourth UST (likely a former diesel storage tank) appeared to have been closed in place by filling of the tank with an inert material.

Given these factors, WPE recommends that additional assessment of the subject site be performed. Such assessment activities should include the collection of soil and groundwater samples to determine the presence of petroleum contamination, if any.

2.0 INTRODUCTION

Wightman Petrie Environmental, Inc. (WPE) has prepared this Report of Phase I Environmental Site Assessment for property located at 821 Portage Avenue in South Bend, Indiana. The subject site, consisting of approximately 1/4-acre, historically served as a gasoline service station from at least 1974 through 1984, although currently vacant (storage of personal goods by current owner, Ms. Leta Covington). A total of four UST systems were visually identified via the presence of fillports within the paved areas of the site. Visually, the gasoline dispenser units have been removed from the site, although all other components of the former gasoline service operation (i.e., USTs, underground piping, dispenser islands, fillports, vent pipes) remain present.

The purpose of our services was to identify recognized environmental conditions in connection with the property, based on readily available information and site observations.

2.1 BACKGROUND

The subject property was specifically selected from a series of former gasoline service station properties that were identified by citizen participation “steering committees” located within each of five designated “commercial corridors” within the City of South Bend. All of the subject sites that were initially identified by the various commercial corridor “steering committees” were considered to be abandoned, and/or sites for which redevelopment would likely not be possible due to a perception of the presence of contamination associated with the former service station operations. From the original “priority” listing of more than twenty-five sites presented for consideration by the “steering committees”, an evaluation was performed by the Department of Community and Economic Development to determine a limited number of sites for which assessment activities could be performed under the specific provisions of USTFields Pilot Grant Program. Each site was evaluated with respect to redevelopment potential, potential responsible party status, ownership, and willingness for participation within the USTFields Grant Program. A total of four sites were ultimately selected for assessment services that include a Phase I Environmental Site Assessment to identify recognized environmental conditions (i.e., UST systems, dispenser island locations, waste oil tanks, etc). Depending on the nature of the recognized environmental conditions identified at each of the four selected sites, a Phase II

Environmental Site Assessment involving the collection of soil and groundwater samples would also be performed. Property owners for each of the selected sites were required to sign an access agreement allowing for the completion of the assessment services. The access agreement for the 821 Portage Avenue property was approved and signed by Mrs. Leta Covington, owner of the subject site, on June 6, 2004.

2.2 PROCEDURES

The Phase I Environmental Site Assessment was performed using the American Society for Testing and Materials (ASTM) document ASTM E 1527-00.

The following services were provided for the assessment:

- A qualitative hydrogeologic evaluation of the site and vicinity using both published topographic and geologic maps and area observations to characterize the area drainage.
- A review of available documents, maps, aerial photographs and interviews with knowledgeable persons to evaluate past land uses.
- A review of available environmental reports published by state and federal agencies to determine if the site or nearby properties are listed as having a present or past environmental problem, are under investigation or are regulated by state or federal environmental regulatory agencies.
- A site and adjacent property reconnaissance for obvious indications of present or past activities that have or could have contaminated the site.
- Preparation of this report presenting our findings and conclusions.

2.3 QUALIFICATIONS

The findings and opinions presented are relative to the dates of our site work and should not be relied on to represent conditions at substantially later dates.

The opinions included herein are based on information obtained during the study and our experience. If additional information becomes available which might impact our environmental conclusions, we request the opportunity to review the information, reassess the potential concerns, and modify our opinions, if warranted. If this assessment included a review of documents prepared by others it must be recognized that Wightman Petrie Environmental has no responsibility for the accuracy of information contained therein.

Although this assessment has attempted to identify the potential for “recognized environmental conditions” to the subject property, potential sources of contamination may have escaped detection due to: (1) the limited scope of this assessment, (2) the inaccuracy of public records, (3) the presence of undetected or unreported environmental incidents, (4) inaccessible areas, and/or (5) deliberate concealment of detrimental information.

The client should realize that this report is not a comprehensive site characterization and should not be construed as such. The findings and conclusions presented in this report are predicated on the results of the site reconnaissance, a review of specified regulatory records, a review of historical usage of the subject property and surrounding properties. The absence of significant indicators that suggest that hazardous materials and/or wastes have impacted the subject property does not preclude the presence of hazardous materials and/or wastes at the property.

Therefore, the report should only be deemed conclusive with respect to the information obtained. No guarantee or warranty of the results of this assessment is expressed or implied within the context of the report or any subsequent reports, correspondence, or consultation. The client should also recognize that the services performed were conducted in general accordance with ASTM Standard E 1527-00 and local standards of care in the geographic region at the time the services were rendered.

ASTM E 1527-00 defines a “recognized environmental condition” as: “the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include de minimis conditions that generally do not present a material risk of harm to public health or the environment and that would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.”

3.0 SITE SETTING

Understanding of a site's physical setting is important to the recognition of environmental impacts to the property.

3.1 GENERAL DESCRIPTION

The subject site, consisting of approximately 1/4-acre, has been developed with an approximate 900 sq. ft. steel concrete block and steel frame, slab on grade with brick facade building. It should be noted that the 821 Portage Avenue address as it currently exists, is a historical combination of addresses that include 821, 823 and 827 Portage Avenue. WPE notes that the previously existing residential dwellings were demolished to allow for the construction of a gasoline service station as of at least 1974 (Pacer Oil Company), which operated at the site through at least 1984. The 1985 through 1998 directories indicate the property to be vacant. Visually, all components of the historical gas station (i.e., USTs, underground piping, fill ports, vent pipes, dispenser islands) remain present on the subject property, with the exception of the dispensers units.

3.2 HYDROGEOLOGY

A consideration of surface and subsurface drainage and geology are of interest since they provide an indication of the direction contaminants, if present on-site or off-site, could be transported. The term "upgradient" refers to a location hydraulically upstream.

Wightman Petrie Environmental, Inc. reviewed the following information in regard to the geology and hydrogeology of the site and surrounding area:

- USGS Topographic Map, South Bend West Quadrangle;
- Water Resource Availability in the St. Joseph River Basin, Indiana, dated 1987, published by the State of Indiana, Department of Natural Resources, Division of Water;
- Soil Survey of St. Joseph County, Indiana, issued November 1977, published by the U.S. Department of Agriculture - Soil Conservation Service.

3.2.1 Geologic Setting

The subject site is located within the St. Joseph River Basin that consists mainly of Paleozoic limestone, dolomite, sandstone, siltstone and shale, which represent deposits of ancient inland seas. Beneath these rocks are Precambrian igneous basement rocks composed mainly of granite, basalt and arkose. All of these rocks are deformed regionally to form the Kankakee and Cincinnati Arches, which together are a bedrock structural high that extends from northwestern through southeastern Indiana. Along the northern side of the high, including the St. Joseph Basin, the sedimentary formations dip about 30 feet per mile to the northeast into the major structural feature called the Michigan Basin. The rocks at the bedrock surface become progressively younger toward the northeast. Bedrock in the area is covered by a thick mantle of glacial drift and does not appear at the modern land surface anywhere in the drainage basin.

According to the Soil Survey of St. Joseph County, the general area surrounding the site is of the Tyner Series. The Tyner Series is characterized by deep, somewhat excessively drained; coarse textured soils. These soils are nearly level to moderately sloping and occupy outwash plains along the main streams and in the uplands. They are formed under mixed hardwoods in sandy outwash material. A representative profile has a dark-brown loamy sand in the surface layer of approximately 8-inches. The subsurface layer is brown, friable loamy sand about 4-inches thick. The subsoil is about 38-inches thick. The upper 6-inches is dark yellowish-brown, friable loamy sand, with the next 22-inches a dark-brown, very friable loamy sand, and the lower 10-inches a yellowish-brown, loose loamy sand. The underlying material is yellowish-brown, loose fine sand.

Tyner soils have a low available moisture capacity and low organic-matter content. They have rapid permeability and slow or medium runoff. Droughtiness is a limitation and erosion is a hazard in moderately sloping areas. We note that the subject site is classified as Tyner loamy sand, 0 to 2 percent slopes, which has a soil profile described as representative of the series.

3.2.2 Surface Drainage

According to the United States Geologic Survey (USGS) Topographic Map of South Bend (West), Indiana Quadrangle, the subject site is relatively level, at an elevation of approximately 700 feet above the National Geodetic Vertical Datum (NGVD) of 1929. We note a gradual

elevation drop to the east of the subject property (across Portage Avenue, with a more severe change in elevation closer to the St. Joseph River, located approximately 1/4-mile east of the subject site. We note the presence of two stormwater drains (dry wells) on the subject property, with appropriate grading to allow for the collection of sheet flow runoff from the subject property. We also note the presence of municipal stormwater drains along both Potage Avenue (east) and Cushing Street (west) for the movement of stormwater runoff. Based upon these factors, the potential for stormwater run-on to the subject property is considered minimal.

3.2.3 Groundwater

Groundwater resources in the St. Joseph River basin are probably the most abundant in Indiana. Significant groundwater supplies are confined to unconsolidated glacial sand and gravel deposits. Wells yielding 200 to 500 gallons per minute are common throughout the basin. Yields of 500 to 1500 gallons per minute are common in areas where sand and gravel deposits are thick. Underlying bedrock, which consists primarily of shale, is not considered an important groundwater source. Recharge to the water table occurs primarily through precipitation infiltrating the upper soils and percolating downward, under the influence of gravity, to the groundwater table. Typically, the water table is not a level surface, but a subdued reflection of the land surface.

Groundwater generally flows in directions subparallel to the natural ground surface slopes and under the influence of gravity toward points of discharge such as rivers, creeks, swamps, drainage swales or pumped groundwater wells. Based on surface topography for the general area of the subject site, it would appear as though groundwater flow in the general area is to the east/northeast toward the St. Joseph River, located approximately 1/4-mile east of the subject site.

The average annual rainfall in the area of the site is approximately 35 inches per year, with annual snowfall ranging from 35 to 70 inches.

4.0 REGULATORY INFORMATION

WPE reviewed regulatory search information prepared by Environmental Data Resources, Inc. (EDR) as contained in Appendix C. This regulatory records search is based on information published by State and Federal regulatory agencies and is used to evaluate if the site or nearby properties are listed as having a past or present record of actual or potential environmental impact. Please note that regulatory listings include only those sites that are known to the regulatory agencies at the time of publication to be: (1) contaminated, (2) in the process of evaluation for potential contamination, or (3) regulated.

EPA NATIONAL PRIORITIES LIST (NPL)

The Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) established the National Priorities List (NPL) of federal "superfund" sites. NPL sites are targeted for long-term remedial action in accordance with the provisions established by CERCLA. Nationally, over 1,200 hazardous waste sites that require some level of remedial action are listed on the NPL. The following information was found on the EPA National Priority List, dated April 2004:

- The subject site does not appear on the NPL. List.
- There are no facilities listed on the NPL List within a one- mile radius of the site.

EPA COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION AND LIABILITY INFORMATION SYSTEM (CERCLIS) LIST

The Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) List is a comprehensive listing of sites that have been reported to EPA by states, municipalities, private companies and/or private persons pursuant to Section 103 of CERCLA. Such sites are either proposed to or on the National Priority List, or are in the screening or assessment phase for further consideration. On the EPA's CERCLIS List, dated May 2004, the following information was found:

- The subject site does not appear on the CERCLIS List.
- There were no facilities listed on the CERCLIS List within a one-half mile radius of the site.

EPA CERCLIS - NO FURTHER REMEDIAL ACTION PLANNED (NFRAP) LIST

NFRAP is the EPA database of former CERCLIS sites where “no further remedial action is planned” under CERCLA. NFRAP sites typically are sites where, following an initial investigation, no contamination was found, contamination was removed quickly without need for additional consideration for NPL inclusion, or the contamination was not serious enough to require additional action by EPA. On the EPA’s CERCLIS/NFRAP List, dated May 2004, the following information was found:

- The subject site does not appear on the NFRAP list
- There were no facilities listed on the NFRAP list within a one-quarter mile radius of the site.

EPA CORRECTIVE ACTION (CORRACTS) LIST

The CORRACTS List identifies facilities that have conducted, or are currently conducting a corrective action pursuant to a Corrective Action Order based upon a release of hazardous wastes into the environment from a RCRA facility. The following information was identified from the CORRACTS List, dated June 2004:

- The subject site does not appear on the CORRACTS List.
- There are no facilities listed on the CORRACTS List within a one-mile radius of the subject site.

EPA RESOURCE CONSERVATION & RECOVERY INFORMATION SYSTEM (RCRIS) LIST

RCRIS is the EPA database of facilities that generate, transport, store, or dispose of hazardous wastes under the Resource Conservation and Recovery Act. The following information was identified from the various RCRIS Lists, dated August 2004:

RCRA facilities designated for the treatment, storage and disposal (TSD) of hazardous wastes are identified on the RCRIS-TSD List.

- The subject site does not appear on the TSD List.
- There are no facilities listed on the TSD List within a one-half mile radius of the subject site.

RCRA Large Quantity Generators are facilities that generate at least 1,000 kilograms/month of non-acute hazardous waste (or 1 kilogram/month of acute hazardous waste).

- The site does not appear on the RCRIS Large Quantity Generator List.
- There are no facilities listed on the RCRA Large Quantity Generator List within one-quarter mile of the subject site.

Small Quantity Generators are facilities that generate less than 1,000 kilograms/month of non-acute hazardous wastes.

- The subject site does not appear on the RCRIS Small Quantity Generator List.
- There is one facility listed on the RCRIS Small Quantity Generators List within a one-quarter mile radius of the site, as follows:

NAME	ADDRESS	APPROX. LOCATION FROM SUBJECT PROPERTY	REGULATORY NOTATION
Mr. & Mrs. Tidmarsh	938 Riverside Drive	Approximately 1/4-mile E of subject site, downgradient	No Violations

Based upon topographic considerations, presumed groundwater flow direction and absence of any reported violations, WPE does not consider the aforementioned RCRA Small Quantity Generator Site to be a recognized environmental condition with the potential for environmental impact to the subject property.

EPA EMERGENCY RESPONSE NOTIFICATION (ERNS) SYSTEM LIST

The ERNS list is a list of hazardous material spills reported to various State agencies. On the ERNS List, dated December 2003, the following information was found:

- The subject site does not appear on the ERNS list.

INDIANA-HAZARDOUS WASTE RESPONSE SITES LIST

Lists of hazardous waste sites that have been assigned a high priority by the Indiana Department of Environmental Management are identified on the Hazardous Waste Response Sites List. A review of the Hazardous Waste Response List, dated March 2004, indicated the following:

- The subject site does not appear on the Hazardous Waste Response Sites List.
- There are no facilities identified on the Hazardous Waste Response Sites List within one mile of the subject site.

INDIANA VOLUNTARY REMEDIATION PROGRAM LIST

The Indiana Department of Environmental Management, Voluntary Remediation Program (VRP) was established in 1993. The VRP provides a mechanism for site owners, operators or potential purchasers to voluntarily enter into an agreement to cleanup contaminated property. When the cleanup is successfully completed, IDEM will issue a Certificate of Completion and the Governor's Office will issue a Covenant Not To Sue for the property. A review of the IDEM Voluntary Remediation Program List, dated July 2004, indicated the following:

- The subject site does not appear on the Voluntary Remediation Program List.
- There are no facilities identified on the Voluntary Remediation Program List within one-half mile of the subject site.

INDIANA LANDFILL LISTS

Lists of special waste disposal sites and inactive or permitted solid waste landfills are maintained by the Indiana Department of Environmental Management. A review of the various IDEM lists regarding landfill sites, dated June 2004, indicated the following:

- The subject site does not appear on lists identifying special waste disposal sites, active or inactive solid waste sites.
- There are no facilities identified as a special waste disposal site, active or inactive solid waste site within one-half mile of the subject site.

LEAKING UNDERGROUND STORAGE TANK (LUST) LIST

The Leaking Underground Storage Tank (LUST) List identifies facilities within the State of Indiana that have reported releases of UST contents. The Indiana Department of Environmental Management, UST Section, maintains the LUST list. A review of the LUST List, dated June 2004, indicated the following:

- The subject site does not appear on the LUST List.
- There was one facility listed on the LUST List within one-half mile of the subject site.

NAME	ADDRESS	APPROX. LOCATION FROM SUBJECT PROPERTY	REGULATORY NOTATION
Marathon Unit 1932	1107 Lincolnway West	Approximately 3/8-mile SW of subject site, upgradient/crossgradient	Release reported in 1990, soil and groundwater contamination, medium priority, site identified as "active" by IDEM

Based upon a combination of factors, which include current regulatory status (i.e., active remediation), topographic considerations and distance from the subject property, WPE does not consider the aforementioned LUST facilities to pose a recognized environmental condition with respect to the subject site.

REGISTERED UNDERGROUND STORAGE TANK (UST) LIST

The Registered Underground Storage Tank (UST) List is a listing of underground storage tank systems that are registered with the Indiana Department of Environmental Management, UST Section. A review of the UST List, dated June 2004, indicated the following:

- The site does not appear on the Registered Underground Storage Tank list. We note that operation of the subject site as a gasoline service station occurred from at least 1974 to 1984. Visually, all components of the operating gas station (i.e., USTs, underground piping, fill ports, vent pipes, dispenser islands) remain present on the subject property, with the exception of the dispensers units. As such, historical property use of the subject property as a gasoline service station is considered a recognized environmental condition meriting additional environmental assessment activities.
- There is one facility listed on the Registered Storage Tank list identified as being within one-quarter mile of the subject site.

NAME	ADDRESS	APPROX. LOCATION FROM SUBJECT PROPERTY	REGULATORY NOTATION
Vacant Property	1002-1010 Portage Ave.	Approximately 1/8-mile NE of subject property, crossgradient	Total of five UST systems identified, four system noted as Permanently Out of Service, installation date listed as January 1960, with closure noted as August 1997; remaining UST system identified as non-regulated, with date of closure listed as August 1997.

Also noted in a review of historical city directories was the presence of a gasoline service station at the 838 Portage Avenue address (immediately northeast of the subject property, across Portage Avenue) from at least 1933 through 1950. The facility subsequently operated as a dry cleaning drop-off station and as a restaurant (various entities) through current date. We note that during the time period that the 838 Portage address served as a gasoline service station, there were no regulations requiring tank registration and/or minimum requirements for tank installation/monitoring. Visually, WPE was unable to determine if the aforementioned historical UST systems remained in the ground. Similarly we note the historical operation of a gasoline service station at 927 Portage Avenue (approximately 1/10-mile north/northwest of the subject property), which operated from at least 1933 through 1965. Similarly, during the time period that the 927 Portage address served as a gasoline service station, there were no regulations requiring tank registration and/or minimum requirements for tank installation/monitoring. We note that the 927 Portage Avenue address is also being assessed under the USTFields Pilot Grant Program as an abandoned gasoline service station. Both of the aforementioned historical gasoline service stations would be considered as topographically downgradient of the subject site and would therefore not be expected to result in environmental conditions impacting the subject property.

INDIANA SPILLS LIST

The Indiana Spills List is an accumulation of sites for which spills of petroleum and/or hazardous materials have been reported to the Indiana Department of Environmental Management. A review of the Spills List, dated June 2004, indicated the following:

- The site does not appear on the Spills List.
- There are no Spills List properties within one-eighth mile of the subject site.

OTHER LISTED FACILITIES

Orphan Sites - Four orphan sites were initially identified during the list search. Orphan sites are those sites that are not mapped by EDR due to poor or inadequate geocoding information. All orphan sites were subsequently located by WPE. Based upon their locations and/or distances relative to the subject property and/or actions taken to date, none of the four aforementioned orphan sites would be expected to environmentally impact the subject site.

5.0 SITE INFORMATION AND USE

Wightman Petrie Environmental, Inc. performed a site and vicinity reconnaissance, conducted interviews and reviewed available historical information in order to evaluate the current and historical uses of the site and surrounding properties and to evaluate past or present activities of potential environmental concern. The following sources are referenced:

USGS Topographic Map, “South Bend East and South Bend West, Indiana” Quadrangles;

Aerial Photographs, dated 1966, 1971 and 1986, available from the St. Joseph County Area Planning Commission, County-City Building, South Bend, Indiana;

Aerial Photographs, dated 1998 and 2002, available from the Michiana Area Council of Governments (MACOG), Geographic Information System (GIS), www.macoggis.com;

Polk City Directories, South Bend, Indiana, dated 1933, 1940, 1944/45, 1950, 1954/55, 1960, 1965, 1970, 1975, 1980, 1985, 1989/90, 1992, 1994, 1996, 1999, 2001 and 2003, available at the South Bend Branch of the St. Joseph County Public Library;

Sanborn Fire Insurance Maps, dated 1917, 1949 and 1980, available from Environmental Data Resources (EDR).

Conley B. Phifer, environmental professional with Wightman Petrie Environmental, Inc. experienced in environmental site assessments, conducted site and area visits on November 15, 2004. The site reconnaissance was performed on foot, and the area reconnaissance was a driving tour on public-access routes. Ms. Leta Covington, current owner of the subject site, provided access to the building interior and accompanied WPE on our site reconnaissance.

5.1 CURRENT SITE USE

Wightman Petrie Environmental, Inc. (WPE) has prepared this Report of Phase I Environmental Site Assessment for property located at 821 Portage Avenue, in South Bend, Indiana. Although currently vacant, the property historical served as a gasoline service station operation from at least 1974 to 1984 (Pacer Oil Company). The last identified use of the existing building was as a commercial tool repair shop (APA Repair Services) in 2000. Ms. Leta Covington, the current owner of the property, purchased the property via a tax sale (St. Joseph County) in 2003. Ms. Covington utilizes space within the existing building for the storage of personal effects.

The following conditions were specifically assessed for their potential to create environmental concern.

5.1.1 Storage Tanks

As previously indicated, the subject site historically operated as a gasoline service station from at least 1974 through 1984 (Pacer Oil Company). Our reconnaissance of the subject property noted that the UST systems associated with the former service station remain in the ground. Fillports for at least three UST systems were readily identified within the concrete pavement, immediately north of the existing building. Although the dispenser units had been removed, piping connections to the former dispensers and underground piping to the tanks also remain in the ground at the site. Vent pipes for the three UST systems were noted along the western exterior wall of the building. Subsequent “sticking” of the USTs indicated less than two inches of residual petroleum product remaining in the tanks. Also noted was the presence of a fourth UST system that was segregated at the southeast corner (adjacent to entrance drive from Portage Avenue) of the subject property. The tank system appeared to have been filled with an inert material as part of a “closure in place”. It is likely that such UST system may have been utilized for the storage of diesel fuel, as opposed to gasoline. Vent piping for the fourth UST system was not identified during the site reconnaissance.

5.1.2 Hazardous and Petroleum Products Containers/Drums

WPE did not identify the presence of hazardous or petroleum product containers during our reconnaissance of the subject property.

5.1.3 Heating and Cooling Fuels and Chemicals

Natural gas is available to the area of the subject site through Northern Indiana Public Service Company (NIPSCO). According to Ms. Leta Covington, utilities to the subject site are not currently connected, given the absence of tenant activity. WPE noted the presence of a small natural gas water heater and natural gas fired furnace system within the building interior. We note that the hot water heater is not properly supported and could potentially be a code violation with respect to any proposed future tenant activity. When operating as a gasoline service station, hot water was provided to the men and women’s bathrooms, located at the eastern and western ends of the building (separate access doors).

5.1.4 Solid Waste

As the building is currently vacant, solid waste services are not currently provided to the subject site. No other accumulations of trash or debris were identified on the subject site.

5.1.5 Sewage Disposal/Septic Tanks

Although all utility services to the subject property have been disconnected in the absence of tenant activity, municipal sanitary sewer service is currently available in the immediate area of the subject site through the City of South Bend, Bureau of Sewers. Indications of the historical presence of any historical on-site septic systems were not apparent during the site reconnaissance of the property.

5.1.6 Hydraulic Equipment

WPE did not observe any indications of the historical presence of hydraulic lifts associated with the former gasoline service station operations conducted at the subject property. Indeed, given the limited size of the building and its configuration, it is highly unlikely that any automobile service operations were ever conducted at the subject property.

5.1.7 Contracted Maintenance Services

Contracted maintenance services are not currently provided for the subject property. The property owner, Ms. Leta Covington, performs mowing of the limited lawn areas present at the subject property on an as-needed basis.

5.1.8 Electrical Transformers

Electrical transformers are a source of environmental concern due to the potential presence of polychlorinated biphenyls (PCBs) contained in dielectric fluids used in some units.

American Electric Power (AEP) provides electrical power to the area of the subject site. WPE did not observe any electrical transformers to be present on the subject site. Pole-mounted electrical transformers are present along Portage Avenue to the east, and Cushing Avenue to the west of the subject site. The transformers are owned and maintained by AEP. Although there were no labels on the transformer regarding PCB content, previous conversations with AEP have indicated their willingness to take responsibility for all releases associated with its transformer

units. WPE did not observe any staining or other indications of current or historical releases from the transformer units.

5.1.9 Water Supply and Wells

Municipal water service is currently, and has historically been available to the area of the subject site through the City of South Bend Water Department. WPE did not observe the presence of existing or historical wells on the subject property during our site reconnaissance.

5.1.10 Drains and Sumps

Two stormwater collection basins are present on the subject property (dry wells). No other readily identifiable drains or sumps were noted during the site reconnaissance, although the storage of personal effects by the property owner within the building did not allow for a clear site view of the entire floor surface area. As such, additional floor drains may be present within the existing building.

5.1.11 Pits, Ponds Lagoons and Surface Waters

Pits, ponds, lagoons, or surface waters were not observed on the subject site.

5.1.12 Staining

Wightman Petrie Environmental's reconnaissance did not identify any significant areas of staining during the reconnaissance of the subject site.

5.1.13 Stressed Vegetation

Other than small grass-covered areas adjacent to the sidewalks along Portage Avenue and Cushing Avenue, essentially all of the subject property is covered with paved surfaces. As such there is no vegetation present at the subject property.

5.1.14 Odors

No unusual odors were detected during the site reconnaissance.

5.1.15 Wetlands

Existing wetland areas or the presence of vegetation consistent with the presence of wetland areas was not observed during the site reconnaissance.

5.2 PAST SITE USE

A review of the ownership records (Tax ID # 18-1058-2458) indicate ownership of the property by Daisy Pogotis as of September 4, 1939, by Harvey H. and Mildred P Gordy as of December 15, 1939, by Thomas W. Elliot as of August 22, 1966, by Chic-n-Joy Systems as of June 19, 1969 Pacer Oil Company as of May 11, 1971, by St. Joseph County as of November 2, 1994, and Alfred Perkins as of April 21, 1995. Also noted was a reference in the South Bend Fire Department Records, based upon a 1985 inspection, that the facility was in bankruptcy (Pacer Oil Company) and that the tanks associated with gasoline service station operations remained in the ground. Ms. Leta Covington reportedly purchased the subject property at a 2003 Tax Sale conducted by St. Joseph County for properties having delinquent taxes due. Since ownership, there has not been tenant occupation of the building, and no substantial improvements other than grounds maintenance activities, have been performed.

A review of historical city directories indicates that the subject property (821 Portage Avenue) was a residential dwelling from at least 1923 through 1968. The 1970 and 1972 city directories do not list the subject property, an indication that there was no defined property use. The 1974 through 1984 historical directories indicate the presence of the Pacer Oil gasoline service station, whereas the 1985 through 1998 directories indicate the property to be vacant. The 2000 directory indicates the presence of the APA Repair Services (commercial tool repair repair-last known occupant), with no listing of the property in subsequent years.

It should be noted that the 821 Portage Avenue address as it currently exists, is a historical combination of addresses that include 821, 823 and 827 Portage Avenue. More specifically, a review of historical city directories indicate that the 823 Portage address was a residential dwelling from at least 1933 through 1965, and that the 827 Portage Avenue address served as a shoe repair/sales operation from at least 1933 through 1970. Such uses are verified through a review of the 1917 and 1949 historical Sanborn Fire Insurance Maps. We do note that the 1980 Sanborn Map indicates the conversion of all three addresses to that of 821 Portage Avenue, which was identified as a gasoline filling station, with no listings of the 823 or 827 Portage Avenue addresses within the historical city directories after 1975 (the same year (actually 1974) that the 821 Portage Avenue address was identified as the Pacer Oil Company filling station).

A review of the 1966 and 1971 historical aerial photographs indicate the presence of residential dwellings at the 821 and 825 Portage Avenue addresses. A storefront type building was also identified at the 827 Portage Avenue address (extreme corner of Portage Avenue and North Cushing Avenue intersection). The 1986 aerial indicates the newer configuration of the property (i.e., former residential dwelling and shoe store building demolished, pavement consistent with a former service station, and an existing building along the southern property boundary consistent with newer construction). The 1998 and 2002 aerials are similar to the 1986 aerial and consistent with the current site configuration.

5.3 SURROUNDING LAND USE

Nearby property usage could potentially impact the surface and subsurface conditions of a property. Developing a history of past and present uses or occupancies can provide an indication of the likelihood of environmental concern.

5.3.1 North

To the north of the subject property is the intersection of Portage Avenue, Cushing Avenue and Rex Avenue. Further to the north are residential dwellings at 901, 903, 905 and 907 (behind 905). Further to the north are Frepan Floral (909 Portage Avenue) and a paved parking area. To the northeast of the subject property, across the intersection of Rex and Portage Avenues is a vacant lot (906 Portage Avenue) and the Ford Distribution Company complex (Ford Vending and A-1 Coffee) at 908-910 Portage Avenue. To the northwest of the subject site are residential dwellings along Cushing Avenue.

A review of historical city directories indicates residential dwellings north of the subject site, at the 901, 903, 905 and 907 Portage Avenue addresses, dating back to at least 1933. We do note the presence of Stanley Wilson, Osteopath, at the 901 Portage Avenue address during the period of 1954/55 through 1975. The 909 Portage Avenue address was noted as Frepan Floral from 1960 through current date, vacant in 1954/55, and residential from 1933 through 1950.

To the northeast of the site, historical directories indicate that the 906 Portage Avenue address was not listed from 1996 through current date, and that from 1994 dating back to at least 1989/90, the property was vacant or a use could not be verified. It is logical to assume that the previously existing structure at 906 Portage Avenue was demolished during the period of 1996

through 1998. The 1980 through 1985 directories indicated the presence of Ford Music Vending, whereas property use from 1960 through 1975 was identified as Ward Baking/Surplus Foods, and from 1954/55 back to 1933, property use was noted as Ward Baking/Frepan Floral and Grocery. Further to the northeast, the 908-910 Portage Avenue address was noted as A-1Coffee/Ford Vending from current date back to at least 1980. Prior to 1980 (back to at least 1933), Ward Baking occupied the 908-910 Portage Avenue addresses.

To the northwest of the subject property, historical city directories indicate the presence of residential dwellings along Cushing Avenue dating back to at least 1933.

No significant changes in property use, from that previously described by city directories, to the north, northeast or northwest of the subject property were identified in our review of historical Sanborn Maps or aerial photography. We do note that the 1998 aerial photograph indicates that the 906 Portage Avenue address to be a vacant property.

5.3.2 East

To the east of the site, across Portage Avenue is a restaurant (Taqueria El Gordo) at 838 Portage Avenue (intersection of Portage Avenue and Rex Avenue), and several smaller storefronts as part of a three four building complex (836 through 812 Portage Avenue). Current nameplates indicated the presence of Kandy's Paints (vacant) at 836 Portage, Institute of Devine Metaphysical Research (vacant) at 834 Portage, vacancy at 832 through 824, Lax's Bait and Tackle (no address) and the Greater Mary Memorial Temple at 812 Portage. Further to the east are residential dwellings along Rex Avenue and Ashland Avenue.

A review of historical city directories indicates that the 838 Portage Avenue address has been associated with various restaurant operations dating from current date, back to at least 1980. From 1960 through 1975, the facility served as a dry cleaning drop off location for Ziker Cleaners, vacant in 1954/55, and as a gasoline service station from at least 1933 through 1950 (various entities). With respect to the 812 through 836 Portage Avenue addresses, retail operations have been extremely varied and were identified from 1933 through current date. Several key occupants of the buildings have included a pharmacy, printer, boot shop, Domino's Pizza, Laundromat, and a TV repair/sales operation.

No significant changes in property use, from that previously described by city directories, to the east of the subject property were identified in our review of historical Sanborn Maps or aerial photography.

5.3.3 South

To the south of the subject property is a vacant and cleared lot and a residential dwelling (811 Portage Avenue). Further to the south are two additional residential dwellings (807 and 803 Portage Avenue), a vacant lot (801 Portage Avenue, and Van Buren Avenue. To the southeast of the subject site are parts of the 812 to 836 Portage Avenue storefront complex, a parking lot and additional residential dwellings. To the southwest of the subject property are residential dwellings along Cushing Avenue.

A review of historical city directories and aerial photography indicates that property use to the south, southeast and southwest of the subject site has been residential from at least 1933 through current date, although the vacant lot located immediately south of the subject property was cleared of a former residential dwelling at 817 Portage Avenue at some point after 2001.

5.3.4 West

To the west of the subject site are residential dwellings along Cushing Street that have been present dating back to at least 1933.

6.0 CONCLUSIONS

Based on the information made available to Wightman Petrie Environmental, Inc. or obtained during our assessment of the subject property, historical uses of the subject site as a gasoline service station (1974 through at least 1984), with visual indications of the UST systems remaining in the ground, are considered a recognized environmental condition meriting additional environmental assessment. At least three underground storage tank systems remain in the ground at the property, although each of the tanks was determined to contain less than two inches of petroleum residual. A fourth UST (likely a former diesel storage tank) appeared to have been closed in place by filling of the tank with an inert material.

Given these factors, as well as the historical presence of additional gasoline service station operations adjacent to the subject site (northeast), WPE recommends that additional assessment of the subject site be performed. Such assessment activities should include the collection of soil and groundwater samples to determine the presence of petroleum contamination, if any.

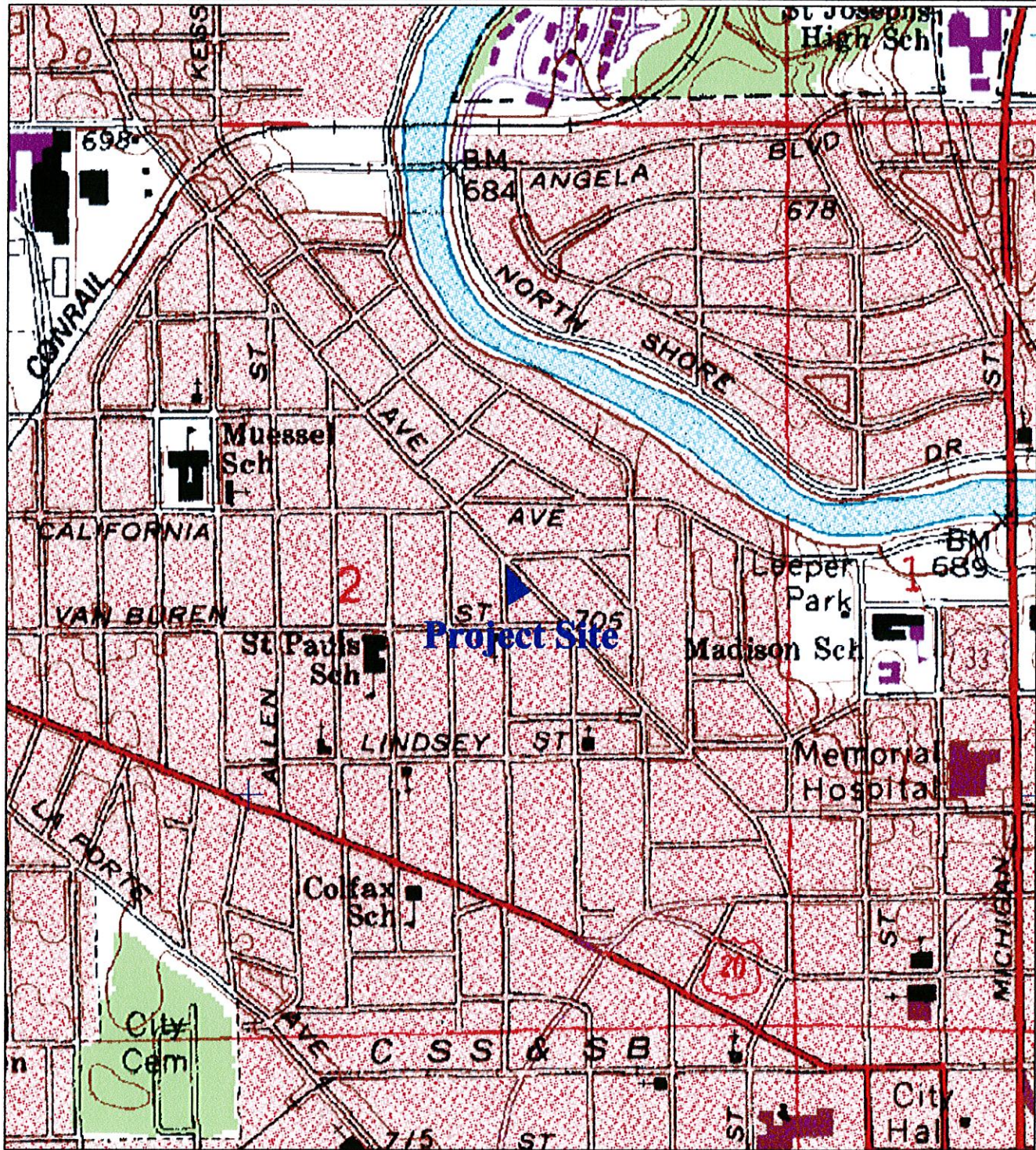
7.0 CERTIFICATION

- 1) Wightman Petrie Environmental, Inc. certifies to the City of South Bend and the Indiana Department of Environmental Management that this Phase I Environmental Site Assessment 821 Portage Avenue property (former gasoline service station operation), in South Bend, Indiana (approximately 0.25-acre), along with the activities performed in connection with its preparation were performed in general accordance with the ASTM Document E 1527-00 (the document) for Phase I Environmental Site Assessments.
- 2) Wightman Petrie Environmental, Inc. certifies to the City of South Bend and the Indiana Department of Environmental Management that this Phase I Environmental Site Assessment was prepared, and the activities performed in connection with its preparation were conducted by and under the direction, supervision and control of Conley Phifer, who qualifies as an “environmental professional” as defined by the document.
- 3) Wightman Petrie Environmental, Inc. certifies to the City of South Bend and the Indiana Department of Environmental Management that it has in effect at the time of the Phase I Environmental Site Assessment, and has maintained during the entire duration of the activities performed in connection with this Phase I Environmental Site Assessment, environmental consultants professional liability insurance coverage in an amount exceeding five hundred thousand dollars (\$500,000), issued by an insurance company licensed to do business in Indiana, which insurance policy provides coverage for the acts of errors and omissions of all persons involved in the performance and preparation of this Phase I Environmental Site Assessment and related activities. Wightman Petrie Environmental, Inc., covenants to the City of South Bend and the Indiana Department of Environmental Management, that it shall maintain such insurance, without reduction in or narrowing of the described coverage, for at least one year after the date of the Phase I Environmental Site Assessment.

Conley B. Phifer
Sr. Project Manager

Date

APPENDIX A
FIGURES



Wightman Petrie Environmental

713 S Scott St.
PH. (574) 232-4388

South Bend, Indiana 46601
FAX (574) 232-4333

Date: 11-17-04

Received:

Drawn By: K LW

Scale: None

Approved By: C B P

UST Fields Pilot Grant - 821 Portage Ave.
South Bend, IN

Title: Vicinity Map

Project No. 24022

Drawing No. Figure 1.0



LEGEND

- | | | |
|---|---|---------------------------------------|
| 1 = Taqueria El Gordo Rest. (838 Portage) | 4 = Ford Distributing/A-1 Coffee (908-910 Portage) | 8 = Residential (901 Portage) |
| 2 = Various Retail Storefronts (812-836 Portage) | 5 = Frepan Floral (909 Portage) | 9 = Residential (821 Cushing) |
| 3 = Vacant Parcel (906 Portage) | 6 = Residential (905 Portage) | 10 = Residential (819 Cushing) |
| | 7 = Residential (903 Portage) | 11 = Vacant Lot (817 Portage) |
| | | 12 = Residential (811 Portage) |

Wightman Petrie Environmental

713 S Scott St.
PH. (574) 232-4388

South Bend, Indiana 46801
FAX (574) 232-4333

Date: 11-17-04

Received:

Drawn By: K LW

Scale: None

Approved By: C B P

UST Fields Pilot Grant - 821 Portage Ave.
South Bend, IN

Title: Area Property Use

Project No. 24022

Drawing No. Figure 2.0

**APPENDIX B
PHOTOGRAPHS**



Subject property - existing building and dispenser islands



Subject site - UST system fillports (three)



Additional UST system - former diesel dispenser island



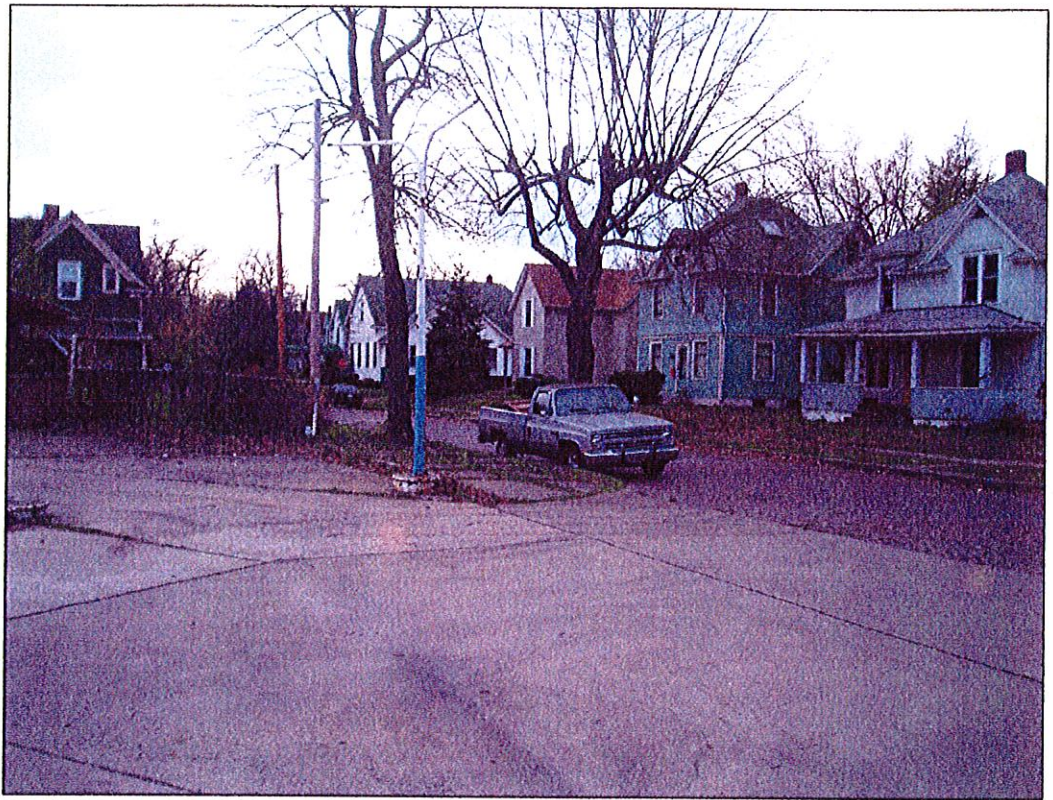
Subject site - UST system fillports (three)



Subject site - building interior (personal storage)



Property use to N/NE - residential and commercial (Ford Dist.)



Property use to W/SW - residential along Cushing Ave.



Property use to E/NE - restaurant (former gas station (838 Portage))



Property use to west - commercial storefronts (majority vacant)



Property use to south - vacant lot, residential

APPENDIX C
REGULATORY SEARCH INFORMATION



EDR™ Environmental
Data Resources Inc

The EDR Radius Map with GeoCheck®

**UST Fields Site
821 Portage Avenue
South Bend, IN 46616**

Inquiry Number: 01241419.1r

August 02, 2004

The Standard in Environmental Risk Management Information

**440 Wheelers Farms Road
Milford, Connecticut 06460**

Nationwide Customer Service

**Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com**

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc. (EDR). The report meets the government records search requirements of ASTM Standard Practice for Environmental Site Assessments, E 1527-00. Search distances are per ASTM standard or custom distances requested by the user.

TARGET PROPERTY INFORMATION

ADDRESS

821 PORTAGE AVENUE
SOUTH BEND, IN 46616

COORDINATES

Latitude (North): 41.686700 - 41° 41' 12.1"
Longitude (West): 86.260900 - 86° 15' 39.2"
Universal Transverse Mercator: Zone 16
UTM X (Meters): 561511.8
UTM Y (Meters): 4615042.5
Elevation: 700 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property: 41086-F3 SOUTH BEND WEST, IN
Source: USGS 7.5 min quad index

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the ASTM E 1527-00 search radius around the target property for the following databases:

FEDERAL ASTM STANDARD

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP..... CERCLIS No Further Remedial Action Planned
CORRACTS..... Corrective Action Report
RCRIS-TSD..... Resource Conservation and Recovery Information System
RCRIS-LQG..... Resource Conservation and Recovery Information System
ERNS..... Emergency Response Notification System

STATE ASTM STANDARD

SHWS..... List of Hazardous Waste Response Sites Scored Using the Indiana Scoring Model

EXECUTIVE SUMMARY

SWF/LF..... Permitted Solid Waste Facilities
VCP..... Voluntary Remediation Program Site List

FEDERAL ASTM SUPPLEMENTAL

CONSENT..... Superfund (CERCLA) Consent Decrees
ROD..... Records Of Decision
Delisted NPL..... National Priority List Deletions
FINDS..... Facility Index System/Facility Identification Initiative Program Summary Report
HMIRS..... Hazardous Materials Information Reporting System
MLTS..... Material Licensing Tracking System
MINES..... Mines Master Index File
NPL Liens..... Federal Superfund Liens
PADS..... PCB Activity Database System
DOD..... Department of Defense Sites
US BROWNFIELDS..... A Listing of Brownfields Sites
UMTRA..... Uranium Mill Tailings Sites
FUDS..... Formerly Used Defense Sites
INDIAN RESERV..... Indian Reservations
RAATS..... RCRA Administrative Action Tracking System
TRIS..... Toxic Chemical Release Inventory System
TSCA..... Toxic Substances Control Act
SSTS..... Section 7 Tracking Systems
FTTS INSP..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

STATE OR LOCAL ASTM SUPPLEMENTAL

IN Spills..... Spills Incidents
BULK..... Registered Bulk Fertilizer and Pesticide Storage Facilities

EDR PROPRIETARY HISTORICAL DATABASES

Coal Gas..... Former Manufactured Gas (Coal Gas) Sites

BROWNFIELDS DATABASES

US BROWNFIELDS..... A Listing of Brownfields Sites
Brownfields..... Brownfields Site List
AUL..... Sites with Restrictions
VCP..... Voluntary Remediation Program Site List

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property. Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

EXECUTIVE SUMMARY

FEDERAL ASTM STANDARD

RCRIS: Resource Conservation and Recovery Information System. RCRIS includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs): generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs): generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs): generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRIS-SQG list, as provided by EDR, and dated 06/15/2004 has revealed that there is 1 RCRIS-SQG site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>TIDMARSH JAY MR & MRS</i>	<i>938 RIVERSIDE DR</i>	<i>1/8 - 1/4 ENE</i>	<i>2</i>	<i>7</i>

STATE ASTM STANDARD

LUST: Lust List.

A review of the LUST list, as provided by EDR, and dated 03/12/2004 has revealed that there is 1 LUST site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>MARATHON UNIT 1932</i>	<i>1107 LINCOLNWAY</i>	<i>1/4 - 1/2 SW</i>	<i>3</i>	<i>7</i>

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Management's Indiana Registered Underground Storage Tanks list.

A review of the UST list, as provided by EDR, and dated 06/02/2004 has revealed that there is 1 UST site within approximately 0.25 miles of the target property.

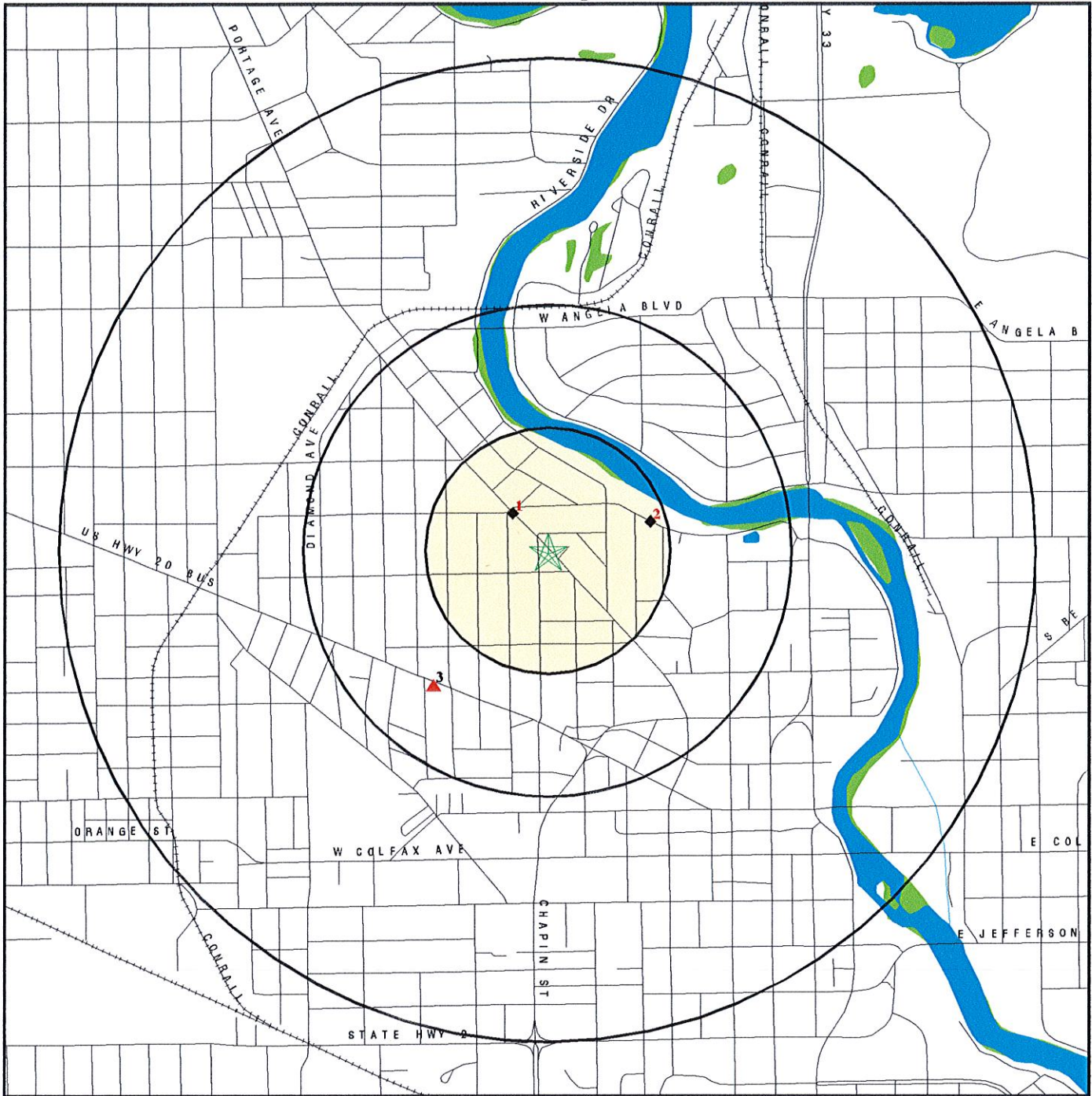
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>VACANT PROPERTY</i>	<i>1002 - 1010 PORTAGE AVE</i>	<i>0 - 1/8 NW</i>	<i>1</i>	<i>6</i>

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

<u>Site Name</u>	<u>Database(s)</u>
CHIPPEWA AVENUE WELL FIELD	SHWS
WHITE LIGHTING SITE (F)	Brownfields
UNIVERSITY OF NOTRE DAME COAL ASH SITE	VCP
FACILITY SITE, 3201 WEST CALVERT	ERNS

OVERVIEW MAP - 01241419.1r - Wightman Petrie Environmental

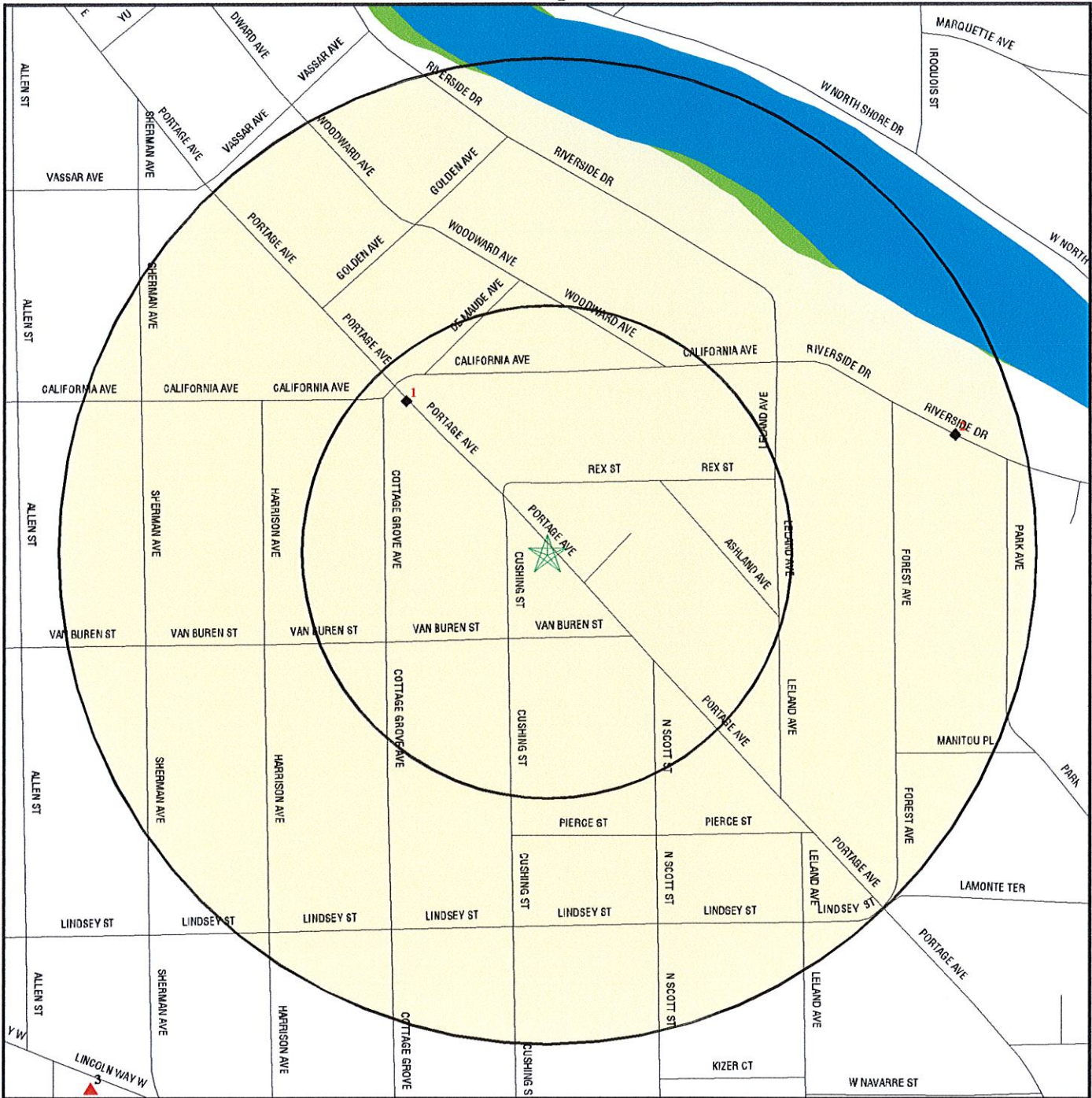


- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Coal Gasification Sites
- National Priority List Sites
- Landfill Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Oil & Gas pipelines
- Federal Wetlands

TARGET PROPERTY: UST Fields Site
ADDRESS: 821 Portage Avenue
CITY/STATE/ZIP: South Bend IN 46616
LAT/LONG: 41.6867 / 86.2609

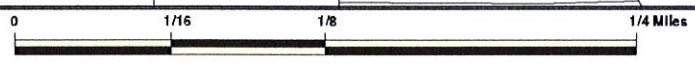
CUSTOMER: Wightman Petrie Environmental
CONTACT: Conley Phifer
INQUIRY #: 01241419.1r
DATE: August 02, 2004 1:07 pm

DETAIL MAP - 01241419.1r - Wightman Petrie Environmental



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Coal Gasification Sites
- ◆ Sensitive Receptors
- National Priority List Sites
- Landfill Sites
- Dept. Defense Sites

- Indian Reservations BIA
- Oil & Gas pipelines
- Federal Wetlands



TARGET PROPERTY: ADDRESS: CITY/STATE/ZIP: LAT/LONG:	UST Fields Site 821 Portage Avenue South Bend IN 46616 41.6867 / 86.2609	CUSTOMER: CONTACT: INQUIRY #: DATE:	Wightman Petrie Environmental Conley Phifer 01241419.1r August 02, 2004 1:07 pm
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MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<u>FEDERAL ASTM STANDARD</u>								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		0.250	0	0	NR	NR	NR	0
CORRACTS		1.000	0	0	0	0	NR	0
RCRIS-TSD		0.500	0	0	0	NR	NR	0
RCRIS Lg. Quan. Gen.		0.250	0	0	NR	NR	NR	0
RCRIS Sm. Quan. Gen.		0.250	0	1	NR	NR	NR	1
ERNS		TP	NR	NR	NR	NR	NR	0
<u>STATE ASTM STANDARD</u>								
State Haz. Waste		1.000	0	0	0	0	NR	0
State Landfill		0.500	0	0	0	NR	NR	0
LUST		0.500	0	0	1	NR	NR	1
UST		0.250	1	0	NR	NR	NR	1
VCP		0.500	0	0	0	NR	NR	0
<u>FEDERAL ASTM SUPPLEMENTAL</u>								
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
FINDS		TP	NR	NR	NR	NR	NR	0
HMIRS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
NPL Liens		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
UMTRA		0.500	0	0	0	NR	NR	0
FUDS		1.000	0	0	0	0	NR	0
INDIAN RESERV		1.000	0	0	0	0	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
<u>STATE OR LOCAL ASTM SUPPLEMENTAL</u>								
IN Spills		TP	NR	NR	NR	NR	NR	0
BULK		TP	NR	NR	NR	NR	NR	0
<u>EDR PROPRIETARY HISTORICAL DATABASES</u>								
Coal Gas		1.000	0	0	0	0	NR	0

MAP FINDINGS SUMMARY

<u>Database</u>	<u>Target Property</u>	<u>Search Distance (Miles)</u>	<u>< 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>> 1</u>	<u>Total Plotted</u>
<u>BROWNFIELDS DATABASES</u>								
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
Brownfields		0.500	0	0	0	NR	NR	0
AUL		0.250	0	0	NR	NR	NR	0
VCP		0.500	0	0	0	NR	NR	0

NOTES:

AQUIFLOW - see EDR Physical Setting Source Addendum

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

Coal Gas Site Search: No site was found in a search of Real Property Scan's ENVIROHAZ database.

1 VACANT PROPERTY UST U003188651
NW 1002 - 1010 PORTAGE AVE N/A
< 1/8 SOUTH BEND, IN 46616
556 ft.

Relative: UST:
Lower Facility ID: 16105
Tank Number: 4
Actual: Tank Status: PERMANENTLY OUT OF SERVICE
686 ft. Install Date: 08/27/1997
Closure Date: 8/27/1997 0:00
Owner Id: 13612
Company Name: Not reported
Mailing Address: 1215 Lincolnway West
South Bend, IN 46624

Facility ID: 16105
Tank Number: 3
Tank Status: PERMANENTLY OUT OF SERVICE
Install Date: 01/01/1960
Closure Date: 8/27/1997 0:00
Owner Id: 13612
Company Name: Not reported
Mailing Address: 1215 Lincolnway West
South Bend, IN 46624

Facility ID: 16105
Tank Number: 2
Tank Status: PERMANENTLY OUT OF SERVICE
Install Date: 01/01/1960
Closure Date: 8/27/1997 0:00
Owner Id: 13612
Company Name: Not reported
Mailing Address: 1215 Lincolnway West
South Bend, IN 46624

Facility ID: 16105
Tank Number: 1
Tank Status: PERMANENTLY OUT OF SERVICE
Install Date: 01/01/1960
Closure Date: 8/27/1997 0:00
Owner Id: 13612
Company Name: Not reported
Mailing Address: 1215 Lincolnway West
South Bend, IN 46624

Facility ID: 16105
Tank Number: 5
Tank Status: UNREGULATED
Install Date: 01/01/2001
Closure Date: 8/27/1997 0:00
Owner Id: 13612
Company Name: Not reported
Mailing Address: 1215 Lincolnway West
South Bend, IN 46624

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s) EDR ID Number
 EPA ID Number

2 **TIDMARSH JAY MR & MRS**
ENE **938 RIVERSIDE DR**
1/8-1/4 **SO BEND, IN 46616**
1145 ft.

RCRIS-SQG **1001404673**
FINDS **INR000003566**

Relative:
Lower

RCRIS:
 Owner: TIDMARSH JAY
 (219) 674-0161
 EPA ID: INR000003566
 Contact: JAY TIDMARSH
 Classification: Small Quantity Generator
 TSDF Activities: Not reported
 Violation Status: No violations found

Actual:
687 ft.

FINDS:
 Other Pertinent Environmental Activity Identified at Site:
 Indiana Facility Registry System
 Resource Conservation and Recovery Act Information system

3 **MARATHON UNIT 1932**
SW **1107 LINCOLNWAY**
1/4-1/2 **SOUTH BEND, IN 0**
1893 ft.

LUST **U000194825**
UST **N/A**

Relative:
Higher

LUST:
 Facility ID: 16907
 Owner Name: Sitos Restuarant
 Incident Number: 199007550
 Priority: Medium
 Affected Area: Groundwater
 Description: Active

Actual:
707 ft.

Facility ID: 16907
 Owner Name: Sitos Restuarant
 Incident Number: 199007550
 Priority: Medium
 Affected Area: Soil
 Description: Active

UST:
 Facility ID: 16907
 Tank Number: 5
 Tank Status: PERMANENTLY OUT OF SERVICE
 Install Date: / /
 Closure Date: Not reported
 Owner Id: 110
 Company Name: Marathon Ashland Petroleum Llc
 Mailing Address: 539 S Main St
 Findlay, OH 45840 - 3295

Facility ID: 16907
 Tank Number: 4
 Tank Status: PERMANENTLY OUT OF SERVICE
 Install Date: / /
 Closure Date: Not reported
 Owner Id: 110
 Company Name: Marathon Ashland Petroleum Llc
 Mailing Address: 539 S Main St

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

MARATHON UNIT 1932 (Continued)

U000194825

Findlay, OH 45840 - 3295

Facility ID: 16907
Tank Number: 3
Tank Status: PERMANENTLY OUT OF SERVICE
Install Date: / /
Closure Date: Not reported
Owner Id: 110
Company Name: Marathon Ashland Petroleum Llc
Mailing Address: 539 S Main St
Findlay, OH 45840 - 3295

Facility ID: 16907
Tank Number: 2
Tank Status: PERMANENTLY OUT OF SERVICE
Install Date: / /
Closure Date: Not reported
Owner Id: 110
Company Name: Marathon Ashland Petroleum Llc
Mailing Address: 539 S Main St
Findlay, OH 45840 - 3295

Facility ID: 16907
Tank Number: 1
Tank Status: PERMANENTLY OUT OF SERVICE
Install Date: / /
Closure Date: Not reported
Owner Id: 110
Company Name: Marathon Ashland Petroleum Llc
Mailing Address: 539 S Main St
Findlay, OH 45840 - 3295

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
SOUTH BEND	S105299361	CHIPPEWA AVENUE WELL FIELD	SOUTH BEND WELL FIELDS		SHWS
SOUTH BEND	S105202494	UNIVERSITY OF NOTRE DAME COAL ASH SITE	SE CORNER EDISON / EDDY STS		VCP
SOUTH BEND	8863084	FACILITY SITE, 3201 WEST CALVERT	FACILITY SITE, 3201 WEST CALVERT		ERNS
SOUTH BEND	S105702651	WHITE LIGHTING SITE (F)	520,522 LINCOLN WAY WEST / 335	46601	Brownfields

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Elapsed ASTM days: Provides confirmation that this EDR report meets or exceeds the 90-day updating requirement of the ASTM standard.

FEDERAL ASTM STANDARD RECORDS

NPL: National Priority List

Source: EPA

Telephone: N/A

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 04/27/04

Date Made Active at EDR: 05/21/04

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 05/04/04

Elapsed ASTM days: 17

Date of Last EDR Contact: 05/04/04

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)

Telephone: 202-564-7333

EPA Region 1

Telephone 617-918-1143

EPA Region 3

Telephone 215-814-5418

EPA Region 4

Telephone 404-562-8033

EPA Region 6

Telephone: 214-655-6659

EPA Region 8

Telephone: 303-312-6774

Proposed NPL: Proposed National Priority List Sites

Source: EPA

Telephone: N/A

Date of Government Version: 04/27/04

Date Made Active at EDR: 05/21/04

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 05/04/04

Elapsed ASTM days: 17

Date of Last EDR Contact: 05/04/04

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

Source: EPA

Telephone: 703-413-0223

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 02/26/04

Date Made Active at EDR: 04/02/04

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 03/22/04

Elapsed ASTM days: 11

Date of Last EDR Contact: 06/23/04

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Source: EPA

Telephone: 703-413-0223

As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/26/04
Date Made Active at EDR: 04/02/04
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 03/22/04
Elapsed ASTM days: 11
Date of Last EDR Contact: 06/23/04

CORRACTS: Corrective Action Report

Source: EPA
Telephone: 800-424-9346

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/15/04
Date Made Active at EDR: 04/15/04
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 03/25/04
Elapsed ASTM days: 21
Date of Last EDR Contact: 06/07/04

RCRIS: Resource Conservation and Recovery Information System

Source: EPA
Telephone: 800-424-9346

Resource Conservation and Recovery Information System. RCRIS includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs): generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs): generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs): generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 06/15/04
Date Made Active at EDR: 07/20/04
Database Release Frequency: Varies

Date of Data Arrival at EDR: 06/23/04
Elapsed ASTM days: 27
Date of Last EDR Contact: 06/23/04

ERNS: Emergency Response Notification System

Source: National Response Center, United States Coast Guard
Telephone: 202-260-2342

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/03
Date Made Active at EDR: 03/12/04
Database Release Frequency: Annually

Date of Data Arrival at EDR: 01/26/04
Elapsed ASTM days: 46
Date of Last EDR Contact: 07/26/04

FEDERAL ASTM SUPPLEMENTAL RECORDS

BRS: Biennial Reporting System

Source: EPA/NTIS
Telephone: 800-424-9346

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/01/01
Database Release Frequency: Biennially

Date of Last EDR Contact: 06/22/04
Date of Next Scheduled EDR Contact: 09/13/04

CONSENT: Superfund (CERCLA) Consent Decrees

Source: EPA Regional Offices
Telephone: Varies

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: N/A
Database Release Frequency: Varies

Date of Last EDR Contact: N/A
Date of Next Scheduled EDR Contact: N/A

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ROD: Records Of Decision

Source: EPA

Telephone: 703-416-0223

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 04/08/04

Database Release Frequency: Annually

Date of Last EDR Contact: 07/07/04

Date of Next Scheduled EDR Contact: 10/04/04

DELISTED NPL: National Priority List Deletions

Source: EPA

Telephone: N/A

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 04/27/04

Database Release Frequency: Quarterly

Date of Last EDR Contact: 05/04/04

Date of Next Scheduled EDR Contact: 08/02/04

FINDS: Facility Index System/Facility Identification Initiative Program Summary Report

Source: EPA

Telephone: N/A

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 04/08/04

Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/06/04

Date of Next Scheduled EDR Contact: 10/04/04

HMIRS: Hazardous Materials Information Reporting System

Source: U.S. Department of Transportation

Telephone: 202-366-4555

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 02/17/04

Database Release Frequency: Annually

Date of Last EDR Contact: 04/20/04

Date of Next Scheduled EDR Contact: 07/19/04

MLTS: Material Licensing Tracking System

Source: Nuclear Regulatory Commission

Telephone: 301-415-7169

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/19/04

Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/06/04

Date of Next Scheduled EDR Contact: 10/04/04

MINES: Mines Master Index File

Source: Department of Labor, Mine Safety and Health Administration

Telephone: 303-231-5959

Date of Government Version: 03/05/04

Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 06/30/04

Date of Next Scheduled EDR Contact: 09/27/04

NPL LIENS: Federal Superfund Liens

Source: EPA

Telephone: 202-564-4267

Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/15/91
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 05/24/04
Date of Next Scheduled EDR Contact: 08/23/04

PADS: PCB Activity Database System

Source: EPA

Telephone: 202-564-3887

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 03/30/04
Database Release Frequency: Annually

Date of Last EDR Contact: 05/12/04
Date of Next Scheduled EDR Contact: 08/09/04

DOD: Department of Defense Sites

Source: USGS

Telephone: 703-692-8801

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 10/01/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 05/14/04
Date of Next Scheduled EDR Contact: 08/09/04

STORMWATER: Storm Water General Permits

Source: Environmental Protection Agency

Telephone: 202 564-0746

A listing of all facilities with Storm Water General Permits.

Date of Government Version: N/A
Database Release Frequency: Quarterly

Date of Last EDR Contact: N/A
Date of Next Scheduled EDR Contact: N/A

INDIAN RESERV: Indian Reservations

Source: USGS

Telephone: 202-208-3710

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 10/01/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 05/14/04
Date of Next Scheduled EDR Contact: 08/09/04

US BROWNFIELDS: A Listing of Brownfields Sites

Source: Environmental Protection Agency

Telephone: 202-566-2777

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become BCRLF cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 04/14/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 06/14/04
Date of Next Scheduled EDR Contact: 09/13/04

RMP: Risk Management Plans

Source: Environmental Protection Agency

Telephone: 202-564-8600

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A
Database Release Frequency: N/A

Date of Last EDR Contact: N/A
Date of Next Scheduled EDR Contact: N/A

FUDS: Formerly Used Defense Sites

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 10/01/03
Database Release Frequency: Varies

Date of Last EDR Contact: 07/06/04
Date of Next Scheduled EDR Contact: 10/04/04

UMTRA: Uranium Mill Tailings Sites

Source: Department of Energy
Telephone: 505-845-0011

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized. In 1978, 24 inactive uranium mill tailings sites in Oregon, Idaho, Wyoming, Utah, Colorado, New Mexico, Texas, North Dakota, South Dakota, Pennsylvania, and on Navajo and Hopi tribal lands, were targeted for cleanup by the Department of Energy.

Date of Government Version: 04/22/04
Database Release Frequency: Varies

Date of Last EDR Contact: 06/21/04
Date of Next Scheduled EDR Contact: 09/20/04

RAATS: RCRA Administrative Action Tracking System

Source: EPA
Telephone: 202-564-4104

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/95
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 06/07/04
Date of Next Scheduled EDR Contact: 09/06/04

TRIS: Toxic Chemical Release Inventory System

Source: EPA
Telephone: 202-566-0250

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/01
Database Release Frequency: Annually

Date of Last EDR Contact: 06/22/04
Date of Next Scheduled EDR Contact: 09/20/04

TSCA: Toxic Substances Control Act

Source: EPA
Telephone: 202-260-5521

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/02
Database Release Frequency: Every 4 Years

Date of Last EDR Contact: 06/07/04
Date of Next Scheduled EDR Contact: 09/06/04

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Source: EPA
Telephone: 202-564-2501

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/13/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/21/04
Date of Next Scheduled EDR Contact: 09/20/04

SSTS: Section 7 Tracking Systems

Source: EPA
Telephone: 202-564-5008

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/01
Database Release Frequency: Annually

Date of Last EDR Contact: 07/20/04
Date of Next Scheduled EDR Contact: 10/18/04

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-564-2501

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/13/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/21/04
Date of Next Scheduled EDR Contact: 09/20/04

STATE OF INDIANA ASTM STANDARD RECORDS

SHWS: List of Hazardous Waste Response Sites Scored Using the Indiana Scoring Model

Source: Department of Environmental Management
Telephone: 317-308-3052

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 03/01/04
Date Made Active at EDR: 04/21/04
Database Release Frequency: Annually

Date of Data Arrival at EDR: 03/31/04
Elapsed ASTM days: 21
Date of Last EDR Contact: 07/02/04

SWF/LF: Permitted Solid Waste Facilities

Source: Department of Environmental Management
Telephone: 317-232-0066

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 02/05/04
Date Made Active at EDR: 05/19/04
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 04/13/04
Elapsed ASTM days: 36
Date of Last EDR Contact: 07/13/04

LUST: LUST Leaking Underground Storage Tank List

Source: Department of Environmental Management
Telephone: 317-308-3008

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 03/12/04
Date Made Active at EDR: 04/13/04
Database Release Frequency: Annually

Date of Data Arrival at EDR: 03/30/04
Elapsed ASTM days: 14
Date of Last EDR Contact: 06/30/04

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST: Indiana Registered Underground Storage Tanks
Source: Department of Environmental Management
Telephone: 317-308-3008

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 06/02/04
Date Made Active at EDR: 07/29/04
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 06/30/04
Elapsed ASTM days: 29
Date of Last EDR Contact: 06/30/04

VCP: Voluntary Remediation Program Site List
Source: Department of Environmental Management
Telephone: 317-234-0966

A current list of Voluntary Remediation Program sites that are no longer confidential.

Date of Government Version: 03/31/04
Date Made Active at EDR: 06/02/04
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 05/11/04
Elapsed ASTM days: 22
Date of Last EDR Contact: 05/11/04

STATE OF INDIANA ASTM SUPPLEMENTAL RECORDS

SPILLS: Spills Incidents
Source: Department of Environmental Management
Telephone: 317-308-3008

Date of Government Version: 03/12/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 06/30/04
Date of Next Scheduled EDR Contact: 09/27/04

BULK: Registered Bulk Fertilizer and Pesticide Storage Facilities
Source: Office of Indiana State Chemist
Telephone: 765-494-0579

A listing of registered dry or liquid bulk fertilizer and pesticide storage facilities.

Date of Government Version: 06/14/04
Database Release Frequency: Varies

Date of Last EDR Contact: 05/12/04
Date of Next Scheduled EDR Contact: 09/13/04

EDR PROPRIETARY HISTORICAL DATABASES

Former Manufactured Gas (Coal Gas) Sites: The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. ©Copyright 1993 Real Property Scan, Inc. For a technical description of the types of hazards which may be found at such sites, contact your EDR customer service representative.

Disclaimer Provided by Real Property Scan, Inc.

The information contained in this report has predominantly been obtained from publicly available sources produced by entities other than Real Property Scan. While reasonable steps have been taken to insure the accuracy of this report, Real Property Scan does not guarantee the accuracy of this report. Any liability on the part of Real Property Scan is strictly limited to a refund of the amount paid. No claim is made for the actual existence of toxins at any site. This report does not constitute a legal opinion.

BROWNFIELDS DATABASES

Brownfields: Brownfields Site List
Source: Department of Environmental Management
Telephone: 317-233-2570

A brownfield site is an industrial or commercial property that is abandoned, inactive, or underutilized, on which expansion or redevelopment is complicated due to the actual or perceived environmental contamination.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/28/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 06/28/04
Date of Next Scheduled EDR Contact: 09/27/04

VCP: Voluntary Remediation Program Site List

Source: Department of Environmental Management
Telephone: 317-234-0966

A current list of Voluntary Remediation Program sites that are no longer confidential.

Date of Government Version: 03/31/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 05/11/04
Date of Next Scheduled EDR Contact: 08/09/04

AUL: Sites with Restrictions

Source: Department of Environmental Management
Telephone: 317-232-8603

Activity and use limitations include both engineering controls and institutional controls. A listing of Comfort/Site Status Letter sites that have been issued with controls.

Date of Government Version: 04/05/04
Database Release Frequency: Varies

Date of Last EDR Contact: 06/28/04
Date of Next Scheduled EDR Contact: 09/27/04

US BROWNFIELDS: A Listing of Brownfields Sites

Source: Environmental Protection Agency
Telephone: 202-566-2777

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become BCRLF cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: N/A
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: N/A
Date of Next Scheduled EDR Contact: N/A

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data

Source: PennWell Corporation
Telephone: (800) 823-6277

This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: child Care Listing

Source: Family & Social Services Administration

Telephone: 317-232-4740

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 from the U.S. Fish and Wildlife Service.

STREET AND ADDRESS INFORMATION

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GEOCHECK® - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

UST FIELDS SITE
821 PORTAGE AVENUE
SOUTH BEND, IN 46616

TARGET PROPERTY COORDINATES

Latitude (North): 41.686699 - 41° 41' 12.1"
Longitude (West): 86.260902 - 86° 15' 39.2"
Universal Transverse Mercator: Zone 16
UTM X (Meters): 561511.8
UTM Y (Meters): 4615042.5
Elevation: 700 ft. above sea level

EDR's GeoCheck Physical Setting Source Addendum has been developed to assist the environmental professional with the collection of physical setting source information in accordance with ASTM 1527-00, Section 7.2.3. Section 7.2.3 requires that a current USGS 7.5 Minute Topographic Map (or equivalent, such as the USGS Digital Elevation Model) be reviewed. It also requires that one or more additional physical setting sources be sought when (1) conditions have been identified in which hazardous substances or petroleum products are likely to migrate to or from the property, and (2) more information than is provided in the current USGS 7.5 Minute Topographic Map (or equivalent) is generally obtained, pursuant to local good commercial or customary practice, to assess the impact of migration of recognized environmental conditions in connection with the property. Such additional physical setting sources generally include information about the topographic, hydrologic, hydrogeologic, and geologic characteristics of a site, and wells in the area.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata. EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

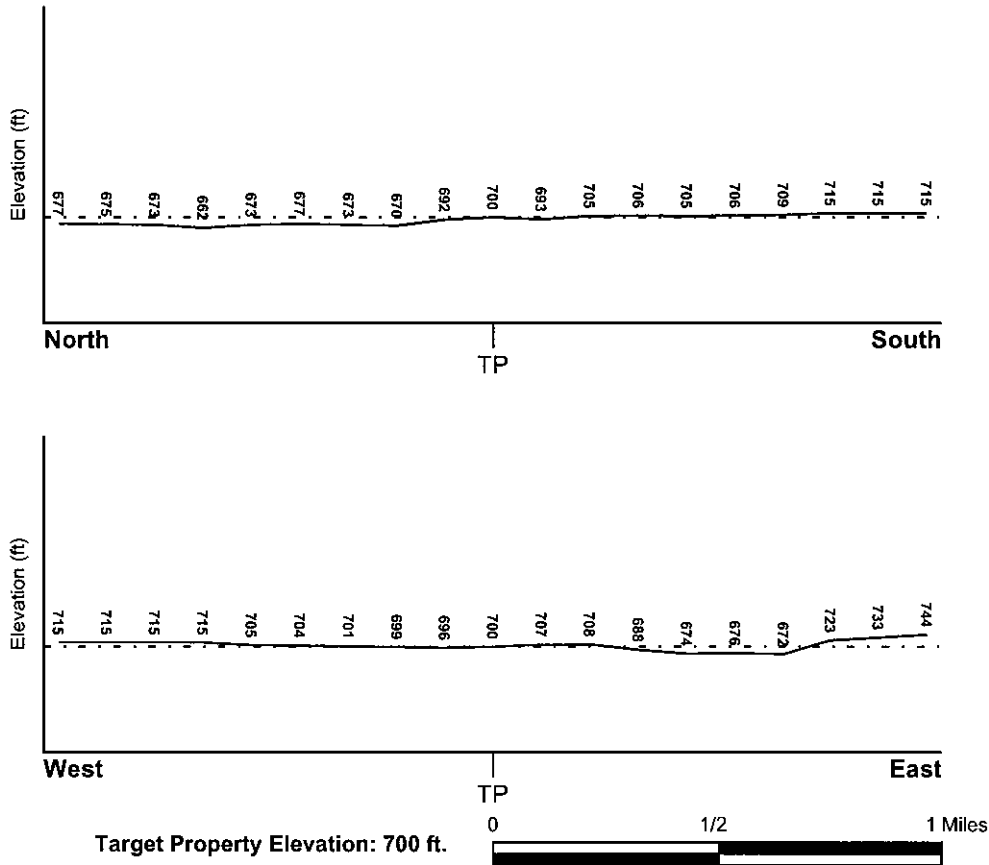
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

USGS Topographic Map: 41086-F3 SOUTH BEND WEST, IN
General Topographic Gradient: General NNW
Source: USGS 7.5 min quad index

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

<u>Target Property County</u>	<u>FEMA Flood Electronic Data</u>
ST JOSEPH, IN	Not Available

Flood Plain Panel at Target Property: Not Reported

Additional Panels in search area: Not Reported

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
SOUTH BEND WEST	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
4	1/4 - 1/2 Mile SW	N
G25	1/2 - 1 Mile ESE	E
H32	1/2 - 1 Mile NW	NW
H35	1/2 - 1 Mile NW	ENE

For additional site information, refer to Physical Setting Source Map Findings.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era: Paleozoic
System: Mississippian
Series: Osagean and Kinderhookian Series
Code: M1 (*decoded above as Era, System & Series*)

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: COLOMA
Soil Surface Texture: loamy sand
Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.
Soil Drainage Class: Excessively. Soils have very high and high hydraulic conductivity and low water holding capacity. Depth to water table is more than 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: LOW

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 60 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	4 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 20.00 Min: 6.00	Max: 7.30 Min: 4.50
2	4 inches	39 inches	sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand.	Max: 20.00 Min: 6.00	Max: 7.30 Min: 4.50
3	39 inches	60 inches	stratified	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand.	Max: 20.00 Min: 6.00	Max: 7.30 Min: 4.50

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: sand
loamy fine sand
fine sand
sandy loam
fine sandy loam

Surficial Soil Types: sand
loamy fine sand
fine sand
sandy loam
fine sandy loam

Shallow Soil Types: sandy loam
sandy clay loam

Deeper Soil Types: fine sand
sand
loam

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

ADDITIONAL ENVIRONMENTAL RECORD SOURCES

According to ASTM E 1527-00, Section 7.2.2, "one or more additional state or local sources of environmental records may be checked, in the discretion of the environmental professional, to enhance and supplement federal and state sources... Factors to consider in determining which local or additional state records, if any, should be checked include (1) whether they are reasonably ascertainable, (2) whether they are sufficiently useful, accurate, and complete in light of the objective of the records review (see 7.1.1), and (3) whether they are obtained, pursuant to local, good commercial or customary practice." One of the record sources listed in Section 7.2.2 is water well information. Water well information can be used to assist the environmental professional in assessing sources that may impact groundwater flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	USGS0264189	1/8 - 1/4 Mile North
A2	USGS0264129	1/4 - 1/2 Mile ENE
A3	USGS0264128	1/4 - 1/2 Mile ENE
5	USGS0264208	1/4 - 1/2 Mile NNE
6	USGS0264102	1/4 - 1/2 Mile East
B7	USGS0264116	1/4 - 1/2 Mile East
B8	USGS0264127	1/4 - 1/2 Mile East
B9	USGS0264126	1/4 - 1/2 Mile East
C10	USGS0264151	1/2 - 1 Mile NW
11	USGS0264283	1/2 - 1 Mile NNW
C12	USGS0264215	1/2 - 1 Mile NW
13	USGS0264066	1/2 - 1 Mile SE
D14	USGS0264191	1/2 - 1 Mile ENE
D17	USGS0264138	1/2 - 1 Mile ENE
18	USGS0264241	1/2 - 1 Mile North
F19	USGS0264125	1/2 - 1 Mile East
F20	USGS0264182	1/2 - 1 Mile East
F21	USGS0264124	1/2 - 1 Mile East
F22	USGS0264123	1/2 - 1 Mile East
F23	USGS0264180	1/2 - 1 Mile East
F24	USGS0264181	1/2 - 1 Mile East
26	USGS0264240	1/2 - 1 Mile North
H29	USGS0264216	1/2 - 1 Mile NW
30	USGS0264186	1/2 - 1 Mile West
I33	USGS0263991	1/2 - 1 Mile SSE
I34	USGS0263992	1/2 - 1 Mile SSE
J36	USGS0264008	1/2 - 1 Mile SE
K37	USGS0263966	1/2 - 1 Mile South
K38	USGS0263965	1/2 - 1 Mile South
39	USGS0264290	1/2 - 1 Mile NW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
L40	USGS0264245	1/2 - 1 Mile NNW
J41	USGS0264065	1/2 - 1 Mile SE
M42	USGS0264312	1/2 - 1 Mile NNW
M43	USGS0264311	1/2 - 1 Mile NNW
N44	USGS0264119	1/2 - 1 Mile West
N45	USGS0264117	1/2 - 1 Mile West
N46	USGS0264118	1/2 - 1 Mile West
47	USGS0264051	1/2 - 1 Mile SE
O48	USGS0264209	1/2 - 1 Mile NW
P49	USGS0264091	1/2 - 1 Mile ESE
P50	USGS0264090	1/2 - 1 Mile ESE
L51	USGS0264306	1/2 - 1 Mile NNW
L52	USGS0264305	1/2 - 1 Mile NNW
53	USGS0264313	1/2 - 1 Mile North
Q54	USGS0263964	1/2 - 1 Mile SSE
Q55	USGS0263963	1/2 - 1 Mile SSE
Q56	USGS0263958	1/2 - 1 Mile SSE
R57	USGS0264291	1/2 - 1 Mile NW
R58	USGS0264293	1/2 - 1 Mile NW
R59	USGS0264292	1/2 - 1 Mile NW
R60	USGS0264294	1/2 - 1 Mile NW
O61	USGS0264279	1/2 - 1 Mile NW
O62	USGS0264277	1/2 - 1 Mile NW
O63	USGS0264278	1/2 - 1 Mile NW
Q64	USGS0263903	1/2 - 1 Mile SSE
Q65	USGS0263897	1/2 - 1 Mile SSE
S66	USGS0263990	1/2 - 1 Mile SE
S67	USGS0263987	1/2 - 1 Mile SE
S68	USGS0263988	1/2 - 1 Mile SE
S69	USGS0264045	1/2 - 1 Mile SE
S70	USGS0263989	1/2 - 1 Mile SE
S71	USGS0264044	1/2 - 1 Mile SE
T72	USGS0264026	1/2 - 1 Mile ESE
73	USGS0264295	1/2 - 1 Mile NW
74	USGS0264101	1/2 - 1 Mile East
U76	USGS0264121	1/2 - 1 Mile West
U77	USGS0264120	1/2 - 1 Mile West
78	USGS0264323	1/2 - 1 Mile North
V79	USGS0264050	1/2 - 1 Mile SE
V80	USGS0263983	1/2 - 1 Mile SE
81	USGS0264263	1/2 - 1 Mile NNW
82	USGS0263947	1/2 - 1 Mile SSE
W83	USGS0264308	1/2 - 1 Mile NW
W84	USGS0264307	1/2 - 1 Mile NW
85	USGS0263866	1/2 - 1 Mile South
86	USGS0264337	1/2 - 1 Mile North

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

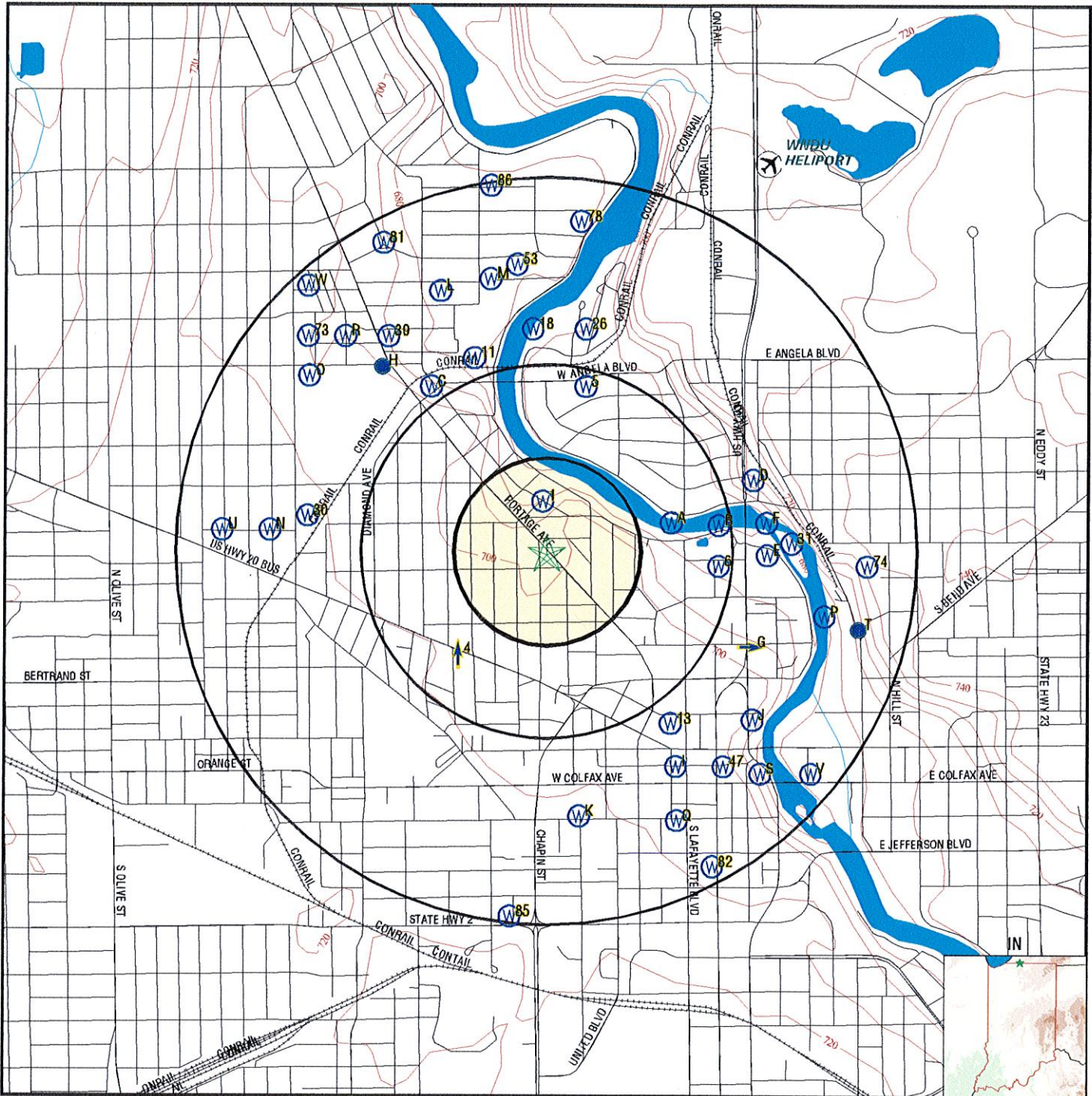
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
G28	IN2710107	1/2 - 1 Mile ESE

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
E15	C2626	1/2 - 1 Mile East
E16	C2627	1/2 - 1 Mile East
E27	C2625	1/2 - 1 Mile East
31	C2628	1/2 - 1 Mile East

PHYSICAL SETTING SOURCE MAP - 01241419.1r



- County Boundary
- Major Roads
- Contour Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location

TARGET PROPERTY: UST Fields Site
 ADDRESS: 821 Portage Avenue
 CITY/STATE/ZIP: South Bend IN 46616
 LAT/LONG: 41.6867 / 86.2609

CUSTOMER: Wightman Petrie Environmental
 CONTACT: Conley Phifer
 INQUIRY #: 01241419.1r
 DATE: August 02, 2004 1:08 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

1

North
1/8 - 1/4 Mile
Lower

FED USGS USGS0264189

Agency:	IN002	Site ID:	414119086154001
Site Name:	57144 REFERENCE NUMBER FROM IDNR-DOW DATABASE		
Dec. Latitude:	41.68866		
Dec. Longitude:	-86.26112		
Coord Sys:	NAD83		
State:	IN		
County:	St. Joseph County		
Altitude:	674.00		
Hydrologic code:	04050001		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	19110101	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	148.00		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

A2

ENE
1/4 - 1/2 Mile
Lower

FED USGS USGS0264129

Agency:	IN002	Site ID:	414116086151602
Site Name:	37/2E-01M4		
Dec. Latitude:	41.68783		
Dec. Longitude:	-86.25445		
Coord Sys:	NAD83		
State:	IN		
County:	St. Joseph County		
Altitude:	695		
Hydrologic code:	04050001		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	19470103	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	113		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

A3

ENE
1/4 - 1/2 Mile
Lower

FED USGS USGS0264128

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency:	IN002	Site ID:	414116086151601
Site Name:	37/2E-01M3		
Dec. Latitude:	41.68783		
Dec. Longitude:	-86.25445		
Coord Sys:	NAD83		
State:	IN		
County:	St. Joseph County		
Altitude:	695		
Hydrologic code:	04050001		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	19461108	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	125		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
-----	-----	-----
1946-11-08	13	

4 SW 1/4 - 1/2 Mile Higher	Site ID:	16907		
	Groundwater Flow:	N	AQUIFLOW	4278
	Water Table Depth:	11.02-14.79		
	Date:	Oct-90		

5 NNE 1/4 - 1/2 Mile Lower			FED USGS	USGS0264208
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Agency:	IN002	Site ID:	414135086153201
Site Name:	57143 REFERENCE NUMBER FROM IDNR-DOW DATABASE		
Dec. Latitude:	41.6931		
Dec. Longitude:	-86.2589		
Coord Sys:	NAD83		
State:	IN		
County:	St. Joseph County		
Altitude:	617.00		
Hydrologic code:	04050001		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	19110101	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	125.00		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

6
East
1/4 - 1/2 Mile
Lower

FED USGS USGS0264102

Agency:	IN002	Site ID:	414110086150701
Site Name:	37/2E-01M6		
Dec. Latitude:	41.68616		
Dec. Longitude:	-86.25195		
Coord Sys:	NAD83		
State:	IN		
County:	St. Joseph County		
Altitude:	685		
Hydrologic code:	04050001		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	19581216	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	111		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1958-12-16	16	

B7
East
1/4 - 1/2 Mile
Lower

FED USGS USGS0264116

Agency:	IN002	Site ID:	414115086150701
Site Name:	37/2E-01M5		
Dec. Latitude:	41.68755		
Dec. Longitude:	-86.25195		
Coord Sys:	NAD83		
State:	IN		
County:	St. Joseph County		
Altitude:	675		
Hydrologic code:	04050001		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	19510612	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	110		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

B8
East
1/4 - 1/2 Mile
Lower

FED USGS USGS0264127

Agency:	IN002	Site ID:	414116086150702
Site Name:	37/2E-01M2		
Dec. Latitude:	41.68783		
Dec. Longitude:	-86.25195		
Coord Sys:	NAD83		
State:	IN		
County:	St. Joseph County		
Altitude:	679		
Hydrologic code:	04050001		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	19400424	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	112		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

B9
East
1/4 - 1/2 Mile
Lower

FED USGS USGS0264126

Agency:	IN002	Site ID:	414116086150701
Site Name:	37/2E-01M1		
Dec. Latitude:	41.68783		
Dec. Longitude:	-86.25195		
Coord Sys:	NAD83		
State:	IN		
County:	St. Joseph County		
Altitude:	675		
Hydrologic code:	04050001		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	19391230	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	114		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

C10
NW
1/2 - 1 Mile
Lower

FED USGS USGS0264151

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency: IN002 Site ID: 414134086160101
 Site Name: 57148 REFERENCE NUMBER FROM IDNR-DOW DATABASE
 Dec. Latitude: 41.69283
 Dec. Longitude: -86.26695
 Coord Sys: NAD83
 State: IN
 County: St. Joseph County
 Altitude: 700.00
 Hydrologic code: 04050001
 Topographic: Not Reported
 Site Type: Ground-water other than Spring
 Const Date: 19270101 Inven Date: Not Reported
 Well Type: Single well, other than collector or Ranney type
 Primary Aquifer: Not Reported
 Aquifer type: Not Reported
 Well depth: 125.00
 Hole depth: Not Reported Source: Not Reported
 Project no: Not Reported

Ground-water levels, Number of Measurements: 0

11
NNW
1/2 - 1 Mile
Lower

FED USGS USGS0264283

Agency: IN002 Site ID: 414139086155301
 Site Name: 44090 REFERENCE NUMBER FROM IDNR-DOW DATABASE
 Dec. Latitude: 41.69421
 Dec. Longitude: -86.26473
 Coord Sys: NAD83
 State: IN
 County: St. Joseph County
 Altitude: 685.00
 Hydrologic code: 04050001
 Topographic: Not Reported
 Site Type: Ground-water other than Spring
 Const Date: 19731213 Inven Date: Not Reported
 Well Type: Single well, other than collector or Ranney type
 Primary Aquifer: 110QRNR
 Aquifer type: Not Reported
 Well depth: 115.00
 Hole depth: Not Reported Source: Not Reported
 Project no: Not Reported

Ground-water levels, Number of Measurements: 0

C12
NW
1/2 - 1 Mile
Lower

FED USGS USGS0264215

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency:	IN002	Site ID:	414136086160101
Site Name:	37/2E-02C3		
Dec. Latitude:	41.69338		
Dec. Longitude:	-86.26695		
Coord Sys:	NAD83		
State:	IN		
County:	St. Joseph County		
Altitude:	706		
Hydrologic code:	04050001		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	152		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

**13
SE
1/2 - 1 Mile
Higher**

FED USGS USGS0264066

Agency:	IN002	Site ID:	414048086151601
Site Name:	37/2E-12D8		
Dec. Latitude:	41.68005		
Dec. Longitude:	-86.25445		
Coord Sys:	NAD83		
State:	IN		
County:	St. Joseph County		
Altitude:	708		
Hydrologic code:	04050001		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	19410521	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	135		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

**D14
ENE
1/2 - 1 Mile
Higher**

FED USGS USGS0264191

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency:	IN002	Site ID:	414122086150101
Site Name:	37/2E-01F2		
Dec. Latitude:	41.68949		
Dec. Longitude:	-86.25028		
Coord Sys:	NAD83		
State:	IN		
County:	St. Joseph County		
Altitude:	672		
Hydrologic code:	04050001		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	19570204	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	104		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

E15
East
1/2 - 1 Mile
Lower

IN WELLS C2626

Pwsid:	5271014	Feature Name:	N#2a
Northing:	4615252.13	Easting:	562449.58
Msl:	166.094	Latitude:	41.68659
Longitude:	-86.24961	County:	St. Joseph
System:	South Bend Water Works	City:	South Bend
City served:	South Bend	Type:	Community Well

E16
East
1/2 - 1 Mile
Lower

IN WELLS C2627

Pwsid:	5271014	Feature Name:	N#3a
Northing:	4615340.65	Easting:	562463.56
Msl:	153.341	Latitude:	41.68739
Longitude:	-86.24943	County:	St. Joseph
System:	South Bend Water Works	City:	South Bend
City served:	South Bend	Type:	Community Well

D17
ENE
1/2 - 1 Mile
Higher

FED USGS USGS0264138

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency:	IN002	Site ID:	414122086150001
Site Name:	37/2E-01F1		
Dec. Latitude:	41.68949		
Dec. Longitude:	-86.25001		
Coord Sys:	NAD83		
State:	IN		
County:	St. Joseph County		
Altitude:	672		
Hydrologic code:	04050001		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	19560725	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	108		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1956-07-25	1	

18
North
1/2 - 1 Mile
Lower

FED USGS USGS0264241

Agency:	IN002	Site ID:	414143086154201
Site Name:	37/2E-02B1		
Dec. Latitude:	41.69533		
Dec. Longitude:	-86.26167		
Coord Sys:	NAD83		
State:	IN		
County:	St. Joseph County		
Altitude:	685		
Hydrologic code:	04050001		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	148		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

0000-00	4	

F19
East
1/2 - 1 Mile
Lower

FED USGS USGS0264125

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency:	IN002	Site ID:	414116086145806
Site Name:	37/2E-01L8		
Dec. Latitude:	41.68783		
Dec. Longitude:	-86.24945		
Coord Sys:	NAD83		
State:	IN		
County:	St. Joseph County		
Altitude:	679		
Hydrologic code:	04050001		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	19490817	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	105		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

F20
East
1/2 - 1 Mile
Lower

FED USGS USGS0264182

Agency:	IN002	Site ID:	414116086145803
Site Name:	37/2E-01L5		
Dec. Latitude:	41.68783		
Dec. Longitude:	-86.24945		
Coord Sys:	NAD83		
State:	IN		
County:	St. Joseph County		
Altitude:	680		
Hydrologic code:	04050001		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	19391214	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	110		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

F21
East
1/2 - 1 Mile
Lower

FED USGS USGS0264124

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency:	IN002	Site ID:	414116086145805
Site Name:	37/2E-01L7		
Dec. Latitude:	41.68783		
Dec. Longitude:	-86.24945		
Coord Sys:	NAD83		
State:	IN		
County:	St. Joseph County		
Altitude:	679		
Hydrologic code:	04050001		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	19400214	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	110		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

F22
East
1/2 - 1 Mile
Lower

FED USGS USGS0264123

Agency:	IN002	Site ID:	414116086145804
Site Name:	37/2E-01L6		
Dec. Latitude:	41.68783		
Dec. Longitude:	-86.24945		
Coord Sys:	NAD83		
State:	IN		
County:	St. Joseph County		
Altitude:	679		
Hydrologic code:	04050001		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	19400113	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	110		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1940-01-13	9	

F23
East
1/2 - 1 Mile
Lower

FED USGS USGS0264180

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency: IN002 Site ID: 414116086145801
 Site Name: 37/2E-01L3
 Dec. Latitude: 41.68783
 Dec. Longitude: -86.24945
 Coord Sys: NAD83
 State: IN
 County: St. Joseph County
 Altitude: 680
 Hydrologic code: 04050001
 Topographic: Not Reported
 Site Type: Ground-water other than Spring
 Const Date: 19390715 Inven Date: Not Reported
 Well Type: Single well, other than collector or Ranney type
 Primary Aquifer: Not Reported
 Aquifer type: Not Reported
 Well depth: 100
 Hole depth: Not Reported Source: Not Reported
 Project no: Not Reported

Ground-water levels, Number of Measurements: 0

F24
East
1/2 - 1 Mile
Lower

FED USGS USGS0264181

Agency: IN002 Site ID: 414116086145802
 Site Name: 37/2E-01L4
 Dec. Latitude: 41.68783
 Dec. Longitude: -86.24945
 Coord Sys: NAD83
 State: IN
 County: St. Joseph County
 Altitude: 680
 Hydrologic code: 04050001
 Topographic: Not Reported
 Site Type: Ground-water other than Spring
 Const Date: 19390921 Inven Date: Not Reported
 Well Type: Single well, other than collector or Ranney type
 Primary Aquifer: Not Reported
 Aquifer type: Not Reported
 Well depth: 103
 Hole depth: Not Reported Source: Not Reported
 Project no: Not Reported

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1939-09-21		3

G25
ESE
1/2 - 1 Mile
Lower

Site ID: 17284
 Groundwater Flow: E **AQUIFLOW 4280**
 Water Table Depth: NOT REPORTED
 Date: Nov-96

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

26
North
 1/2 - 1 Mile
 Lower

FED USGS USGS0264240

Agency:	IN002	Site ID:	414143086153201
Site Name:	37/2E-02A1		
Dec. Latitude:	41.69533		
Dec. Longitude:	-86.2589		
Coord Sys:	NAD83		
State:	IN		
County:	St. Joseph County		
Altitude:	685		
Hydrologic code:	04050001		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	125		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

E27
East
 1/2 - 1 Mile
 Lower

IN WELLS C2625

Pwsid:	5271014	Feature Name:	N#1
Northing:	4615159.77	Easting:	562486.32
Msl:	175.067	Latitude:	41.68576
Longitude:	-86.24918	County:	St. Joseph
System:	South Bend Water Works	City:	South Bend
City served:	South Bend	Type:	Community Well

G28
ESE
 1/2 - 1 Mile
 Lower

FRDS PWS IN2710107

PWS ID:	IN2710107	PWS Status:	Active
Date Initiated:	7601	Date Deactivated:	Not Reported
PWS Name:	COUNTRY CUPBOARD JEAN HESSTON 26394 S. R. 2 SOUTH BEND, IN 46619		

Addressee / Facility: Not Reported

Facility Latitude:	41 40 59	Facility Longitude:	086 15 00
City Served:	RUSHVILLE		
Treatment Class:	Untreated	Population:	00000200

PWS currently has or had major violation(s) or enforcement: Yes

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

VIOLATIONS INFORMATION:

Violation ID:	93V0001	Source ID:	Not Reported	PWS Phone:	Not Reported
Vio. beginning Date:	01/01/93	Vio. end Date:	12/31/93	Vio. Period:	012 Months
Num required Samples:	Not Reported	Number of Samples Taken:	000		
Analysis Result:	Not Reported	Maximum Contaminant Level:	Not Reported		
Analysis Method:	Not Reported				
Violation Type:	Monitoring, Regular				
Contaminant:	NITRATE				
Vio. Awareness Date:	Not Reported				

ENFORCEMENT INFORMATION:

System Name:	COUNTRY CUPBOARD		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1999-07-01 - 1999-09-30	Analytical Value:	0000000.000000000
Violation ID:	0000004	Enforcement ID:	Not Reported
Enforcement Date:	Not Reported	Enf. Action:	Not Reported
System Name:	COUNTRY CUPBOARD		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	2000-04-01 - 2000-06-30	Analytical Value:	0
Violation ID:	0000005	Enforcement ID:	01E0002
Enforcement Date:	2000-12-31	Enf. Action:	EPA Generated Implicit TCR RTC
System Name:	COUNTRY CUPBOARD		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	2001-01-01 - 2001-03-31	Analytical Value:	0
Violation ID:	0100006	Enforcement ID:	01E0001
Enforcement Date:	2001-09-30	Enf. Action:	EPA Generated Implicit TCR RTC
System Name:	COUNTRY CUPBOARD		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	2001-10-01 - 2001-12-31	Analytical Value:	0
Violation ID:	0200008	Enforcement ID:	02E0001
Enforcement Date:	2002-06-30	Enf. Action:	EPA Generated Implicit TCR RTC
System Name:	COUNTRY CUPBOARD		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	2002-07-01 - 2002-09-30	Analytical Value:	0
Violation ID:	0300010	Enforcement ID:	03E0001
Enforcement Date:	2003-03-31	Enf. Action:	EPA Generated Implicit TCR RTC
System Name:	COUNTRY CUPBOARD		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	2000-04-01 - 2000-06-30	Analytical Value:	0
Violation ID:	0300011	Enforcement ID:	0000010
Enforcement Date:	2000-08-09	Enf. Action:	State Public Notif Requested
System Name:	COUNTRY CUPBOARD		
Violation Type:	Monitoring, Regular		
Contaminant:	NITRATE		
Compliance Period:	2002-01-01 - 2002-12-31	Analytical Value:	0
Violation ID:	0400012	Enforcement ID:	0300020
Enforcement Date:	2003-02-10	Enf. Action:	State Public Notif Requested

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

ENFORCEMENT INFORMATION:

System Name:	COUNTRY CUPBOARD	Analytical Value:	0
Violation Type:	Monitoring, Regular	Enforcement ID:	0300021
Contaminant:	NITRATE	Enf. Action:	State Violation/Reminder Notice
Compliance Period:	2002-01-01 - 2002-12-31		
Violation ID:	0400012		
Enforcement Date:	2003-02-10		
System Name:	COUNTRY CUPBOARD	Analytical Value:	0
Violation Type:	Monitoring, Regular	Enforcement ID:	0400024
Contaminant:	NITRATE	Enf. Action:	State Compliance Achieved
Compliance Period:	2002-01-01 - 2002-12-31		
Violation ID:	0400012		
Enforcement Date:	2003-11-14		
System Name:	COUNTRY CUPBOARD	Analytical Value:	0
Violation Type:	Monitoring, Routine Major (TCR)	Enforcement ID:	0000011
Contaminant:	COLIFORM (TCR)	Enf. Action:	State Violation/Reminder Notice
Compliance Period:	2000-04-01 - 2000-06-30		
Violation ID:	0400012		
Enforcement Date:	2000-08-09		
System Name:	COUNTRY CUPBOARD	Analytical Value:	0
Violation Type:	Monitoring, Routine Major (TCR)	Enforcement ID:	0400024
Contaminant:	COLIFORM (TCR)	Enf. Action:	State Compliance Achieved
Compliance Period:	2000-04-01 - 2000-06-30		
Violation ID:	0400012		
Enforcement Date:	2003-11-14		
System Name:	COUNTRY CUPBOARD	Analytical Value:	0
Violation Type:	Monitoring, Routine Major (TCR)	Enforcement ID:	0100012
Contaminant:	COLIFORM (TCR)	Enf. Action:	State Public Notif Requested
Compliance Period:	2001-01-01 - 2001-03-31		
Violation ID:	0400012		
Enforcement Date:	2001-05-16		
System Name:	COUNTRY CUPBOARD	Analytical Value:	0
Violation Type:	Monitoring, Routine Major (TCR)	Enforcement ID:	0100013
Contaminant:	COLIFORM (TCR)	Enf. Action:	State Violation/Reminder Notice
Compliance Period:	2001-01-01 - 2001-03-31		
Violation ID:	0400012		
Enforcement Date:	2001-05-16		
System Name:	COUNTRY CUPBOARD	Analytical Value:	0
Violation Type:	Monitoring, Routine Major (TCR)	Enforcement ID:	0400024
Contaminant:	COLIFORM (TCR)	Enf. Action:	State Compliance Achieved
Compliance Period:	2001-01-01 - 2001-03-31		
Violation ID:	0400012		
Enforcement Date:	2003-11-14		
System Name:	COUNTRY CUPBOARD	Analytical Value:	0
Violation Type:	Monitoring, Routine Major (TCR)	Enforcement ID:	0200015
Contaminant:	COLIFORM (TCR)	Enf. Action:	State Public Notif Requested
Compliance Period:	2001-10-01 - 2001-12-31		
Violation ID:	0400012		
Enforcement Date:	2002-02-21		
System Name:	COUNTRY CUPBOARD	Analytical Value:	0
Violation Type:	Monitoring, Routine Major (TCR)	Enforcement ID:	0200016
Contaminant:	COLIFORM (TCR)	Enf. Action:	State Violation/Reminder Notice
Compliance Period:	2001-10-01 - 2001-12-31		
Violation ID:	0400012		
Enforcement Date:	2002-02-21		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

ENFORCEMENT INFORMATION:

System Name:	COUNTRY CUPBOARD	Analytical Value:	0
Violation Type:	Monitoring, Routine Major (TCR)	Enforcement ID:	0400024
Contaminant:	COLIFORM (TCR)	Enf. Action:	State Compliance Achieved
Compliance Period:	2001-10-01 - 2001-12-31		
Violation ID:	0400012		
Enforcement Date:	2003-11-14		
System Name:	COUNTRY CUPBOARD	Analytical Value:	0
Violation Type:	Monitoring, Routine Major (TCR)	Enforcement ID:	0300018
Contaminant:	COLIFORM (TCR)	Enf. Action:	State Violation/Reminder Notice
Compliance Period:	2002-07-01 - 2002-09-30		
Violation ID:	0400012		
Enforcement Date:	2002-10-31		
System Name:	COUNTRY CUPBOARD	Analytical Value:	0
Violation Type:	Monitoring, Routine Major (TCR)	Enforcement ID:	0300019
Contaminant:	COLIFORM (TCR)	Enf. Action:	State Public Notif Requested
Compliance Period:	2002-07-01 - 2002-09-30		
Violation ID:	0400012		
Enforcement Date:	2002-10-31		
System Name:	COUNTRY CUPBOARD	Analytical Value:	0
Violation Type:	Monitoring, Routine Major (TCR)	Enforcement ID:	0400024
Contaminant:	COLIFORM (TCR)	Enf. Action:	State Compliance Achieved
Compliance Period:	2002-07-01 - 2002-09-30		
Violation ID:	0400012		
Enforcement Date:	2003-11-14		
System Name:	COUNTRY CUPBOARD	Analytical Value:	0
Violation Type:	Monitoring, Routine Major (TCR)	Enforcement ID:	0400022
Contaminant:	COLIFORM (TCR)	Enf. Action:	State Violation/Reminder Notice
Compliance Period:	2003-07-01 - 2003-09-30		
Violation ID:	0400012		
Enforcement Date:	2003-10-28		
System Name:	COUNTRY CUPBOARD	Analytical Value:	0
Violation Type:	Monitoring, Routine Major (TCR)	Enforcement ID:	0400023
Contaminant:	COLIFORM (TCR)	Enf. Action:	State Public Notif Requested
Compliance Period:	2003-07-01 - 2003-09-30		
Violation ID:	0400012		
Enforcement Date:	2003-10-28		
System Name:	COUNTRY CUPBOARD	Analytical Value:	00000000.00
Violation Type:	Monitoring, Regular	Enforcement ID:	9600001E
Contaminant:	NITRATE	Enf. Action:	State Public Notif Requested
Compliance Period:	1995-01-01 - 1995-12-31		
Violation ID:	9600001V		
Enforcement Date:	1996-03-08		
System Name:	COUNTRY CUPBOARD	Analytical Value:	00000000.00
Violation Type:	Monitoring, Regular	Enforcement ID:	9700003E
Contaminant:	NITRATE	Enf. Action:	State Intentional no-action
Compliance Period:	1995-01-01 - 1995-12-31		
Violation ID:	9600001V		
Enforcement Date:	1997-09-25		

H29
NW
1/2 - 1 Mile
Higher

FED USGS USGS0264216

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency: IN002 Site ID: 414136086161101
 Site Name: 37/2E-02C1
 Dec. Latitude: 41.69338
 Dec. Longitude: -86.26973
 Coord Sys: NAD83
 State: IN
 County: St. Joseph County
 Altitude: 706
 Hydrologic code: 04050001
 Topographic: Not Reported
 Site Type: Ground-water other than Spring
 Const Date: Not Reported Inven Date: Not Reported
 Well Type: Single well, other than collector or Ranney type
 Primary Aquifer: Not Reported
 Aquifer type: Not Reported
 Well depth: 146
 Hole depth: Not Reported Source: Not Reported
 Project no: Not Reported

Ground-water levels, Number of Measurements: 0

30
West
1/2 - 1 Mile
Higher

FED USGS USGS0264186

Agency: IN002 Site ID: 414117086162401
 Site Name: 37/2E-02M1
 Dec. Latitude: 41.6881
 Dec. Longitude: -86.27334
 Coord Sys: NAD83
 State: IN
 County: St. Joseph County
 Altitude: 709
 Hydrologic code: 04050001
 Topographic: Not Reported
 Site Type: Ground-water other than Spring
 Const Date: Not Reported Inven Date: Not Reported
 Well Type: Single well, other than collector or Ranney type
 Primary Aquifer: Not Reported
 Aquifer type: Not Reported
 Well depth: 215
 Hole depth: Not Reported Source: Not Reported
 Project no: Not Reported

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
0000-00	25	

31
East
1/2 - 1 Mile
Lower

IN WELLS C2628

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pwsid:	5271014	Feature Name:	N#5
Northing:	4615301.54	Easting:	562571.93
Msl:	186.061	Latitude:	41.68703
Longitude:	-86.24814	County:	St. Joseph
System:	South Bend Water Works	City:	South Bend
City served:	South Bend	Type:	Community Well

H32	Site ID:	5485		
NW	Groundwater Flow:	NW	AQUIFLOW	4250
1/2 - 1 Mile	Water Table Depth:	14.08-16.34		
Lower	Date:	May-96		

I33			FED USGS	USGS0263991
SSE				
1/2 - 1 Mile				
Higher				

Agency:	IN002	Site ID:	414042086151501
Site Name:	37/2E-12D1		
Dec. Latitude:	41.67838		
Dec. Longitude:	-86.25417		
Coord Sys:	NAD83		
State:	IN		
County:	St. Joseph County		
Altitude:	706		
Hydrologic code:	04050001		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	19360826	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	138		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

I34			FED USGS	USGS0263992
SSE				
1/2 - 1 Mile				
Higher				

Agency:	IN002	Site ID:	414042086151502
Site Name:	37/2E-12D9		
Dec. Latitude:	41.67838		
Dec. Longitude:	-86.25417		
Coord Sys:	NAD83		
State:	IN		
County:	St. Joseph County		
Altitude:	708		
Hydrologic code:	04050001		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	138		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

H35	Site ID:	10549		
NW	Groundwater Flow:	ENE	AQUIFLOW	4262
1/2 - 1 Mile	Water Table Depth:	14.26-15.16		
Lower	Date:	Feb-93		

J36			FED USGS	USGS0264008
SE				
1/2 - 1 Mile				
Higher				

Agency:	IN002	Site ID:	414049086150102
Site Name:	57099 REFERENCE NUMBER FROM IDNR-DOW DATABASE		
Dec. Latitude:	41.68033		
Dec. Longitude:	-86.25028		
Coord Sys:	NAD83		
State:	IN		
County:	St. Joseph County		
Altitude:	710.00		
Hydrologic code:	04050001		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	19601115	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	110QRNR		
Aquifer type:	Not Reported		
Well depth:	139.00		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

K37			FED USGS	USGS0263966
South				
1/2 - 1 Mile				
Higher				

Agency:	IN002	Site ID:	414035086153302
Site Name:	37/2E-11K2		
Dec. Latitude:	41.67644		
Dec. Longitude:	-86.25917		
Coord Sys:	NAD83		
State:	IN		
County:	St. Joseph County		
Altitude:	718		
Hydrologic code:	04050001		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	19441027	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Primary Aquifer:	Not Reported	Source:	Not Reported
Aquifer type:	Not Reported		
Well depth:	125		
Hole depth:	Not Reported		
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
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1944-10-27 25

K38
South
1/2 - 1 Mile
Higher

FED USGS USGS0263965

Agency:	IN002	Site ID:	414035086153301
Site Name:	37/2E-11H1		
Dec. Latitude:	41.67644		
Dec. Longitude:	-86.25917		
Coord Sys:	NAD83		
State:	IN		
County:	St. Joseph County		
Altitude:	720		
Hydrologic code:	04050001		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	19480609	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	75		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
------	-----------------------	---------------------

1948-06-09 36

39
NW
1/2 - 1 Mile
Lower

FED USGS USGS0264290

Agency:	IN002	Site ID:	414142086160901
Site Name:	37/2E-02C2		
Dec. Latitude:	41.69505		
Dec. Longitude:	-86.26917		
Coord Sys:	NAD83		
State:	IN		
County:	St. Joseph County		
Altitude:	685		
Hydrologic code:	04050001		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

M42
NNW
1/2 - 1 Mile
Lower

FED USGS USGS0264312

Agency:	IN002	Site ID:	414150086155002
Site Name:	38/2E-35Q2		
Dec. Latitude:	41.69727		
Dec. Longitude:	-86.2639		
Coord Sys:	NAD83		
State:	IN		
County:	St. Joseph County		
Altitude:	680		
Hydrologic code:	04050001		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	19570913	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	126		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

M43
NNW
1/2 - 1 Mile
Lower

FED USGS USGS0264311

Agency:	IN002	Site ID:	414150086155001
Site Name:	38/2E-35Q1		
Dec. Latitude:	41.69727		
Dec. Longitude:	-86.2639		
Coord Sys:	NAD83		
State:	IN		
County:	St. Joseph County		
Altitude:	680		
Hydrologic code:	04050001		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	19441228	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	120		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1944-12-28	6	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

N44
West
1/2 - 1 Mile
Higher

FED USGS USGS0264119

Agency:	IN002	Site ID:	414115086163103
Site Name:	37/2E-03J5		
Dec. Latitude:	41.68755		
Dec. Longitude:	-86.27529		
Coord Sys:	NAD83		
State:	IN		
County:	St. Joseph County		
Altitude:	712		
Hydrologic code:	04050001		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	19460205	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	151		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1946-02-05	28	

N45
West
1/2 - 1 Mile
Higher

FED USGS USGS0264117

Agency:	IN002	Site ID:	414115086163101
Site Name:	37/2E-03J3		
Dec. Latitude:	41.68755		
Dec. Longitude:	-86.27529		
Coord Sys:	NAD83		
State:	IN		
County:	St. Joseph County		
Altitude:	712		
Hydrologic code:	04050001		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	19340524	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	133		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1934-05-24	14	

N46
West
1/2 - 1 Mile
Higher

FED USGS USGS0264118

Agency:	IN002	Site ID:	414115086163102
Site Name:	37/2E-03J4		
Dec. Latitude:	41.68755		
Dec. Longitude:	-86.27529		
Coord Sys:	NAD83		
State:	IN		
County:	St. Joseph County		
Altitude:	712		
Hydrologic code:	04050001		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	19460815	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	147		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

47
SE
1/2 - 1 Mile
Higher

FED USGS USGS0264051

Agency:	IN002	Site ID:	414042086150601
Site Name:	37/2E-12D6		
Dec. Latitude:	41.67838		
Dec. Longitude:	-86.25167		
Coord Sys:	NAD83		
State:	IN		
County:	St. Joseph County		
Altitude:	708		
Hydrologic code:	04050001		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	19090000	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	142		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

O48
NW
1/2 - 1 Mile
Higher

FED USGS USGS0264209

Agency:	IN002	Site ID:	414135086162301
Site Name:	57149 REFERENCE NUMBER FROM IDNR-DOW DATABASE		
Dec. Latitude:	41.6931		
Dec. Longitude:	-86.27306		
Coord Sys:	NAD83		
State:	IN		
County:	St. Joseph County		
Altitude:	701.00		
Hydrologic code:	04050001		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	19430914	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	163.00		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

P49
ESE
1/2 - 1 Mile
Lower

FED USGS USGS0264091

Agency:	IN002	Site ID:	414103086144702
Site Name:	37/2E-01P4		
Dec. Latitude:	41.68421		
Dec. Longitude:	-86.2464		
Coord Sys:	NAD83		
State:	IN		
County:	St. Joseph County		
Altitude:	680		
Hydrologic code:	04050001		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	19470627	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	102		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1947-06-27	16	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

P50
ESE
1/2 - 1 Mile
Lower

FED USGS USGS0264090

Agency:	IN002	Site ID:	414103086144701
Site Name:	37/2E-01P2		
Dec. Latitude:	41.68421		
Dec. Longitude:	-86.2464		
Coord Sys:	NAD83		
State:	IN		
County:	St. Joseph County		
Altitude:	691		
Hydrologic code:	04050001		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	19450000	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	120		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

L51
NNW
1/2 - 1 Mile
Lower

FED USGS USGS0264306

Agency:	IN002	Site ID:	414149086160002
Site Name:	38/2E-35P2		
Dec. Latitude:	41.69699		
Dec. Longitude:	-86.26667		
Coord Sys:	NAD83		
State:	IN		
County:	St. Joseph County		
Altitude:	680		
Hydrologic code:	04050001		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	19480505	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	135		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
------	-----------------------	---------------------

1948-05-05 4

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

L52
NNW
1/2 - 1 Mile
Lower

FED USGS USGS0264305

Agency:	IN002	Site ID:	414149086160001
Site Name:	38/2E-35P1		
Dec. Latitude:	41.69699		
Dec. Longitude:	-86.26667		
Coord Sys:	NAD83		
State:	IN		
County:	St. Joseph County		
Altitude:	680		
Hydrologic code:	04050001		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	19430603	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	124		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

53
North
1/2 - 1 Mile
Lower

FED USGS USGS0264313

Agency:	IN002	Site ID:	414152086154501
Site Name:	44095 REFERENCE NUMBER FROM IDNR-DOW DATABASE		
Dec. Latitude:	41.69783		
Dec. Longitude:	-86.26251		
Coord Sys:	NAD83		
State:	IN		
County:	St. Joseph County		
Altitude:	676.00		
Hydrologic code:	04050001		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	19620731	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	110QRNR		
Aquifer type:	Not Reported		
Well depth:	74.00		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

Q54
SSE
1/2 - 1 Mile
Higher

FED USGS USGS0263964

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency: IN002 Site ID: 414035086151503
 Site Name: 37/2E-12E2
 Dec. Latitude: 41.67644
 Dec. Longitude: -86.25417
 Coord Sys: NAD83
 State: IN
 County: St. Joseph County
 Altitude: 709
 Hydrologic code: 04050001
 Topographic: Not Reported
 Site Type: Ground-water other than Spring
 Const Date: 19540820 Inven Date: Not Reported
 Well Type: Single well, other than collector or Ranney type
 Primary Aquifer: Not Reported
 Aquifer type: Not Reported
 Well depth: 73
 Hole depth: Not Reported Source: Not Reported
 Project no: Not Reported

Ground-water levels, Number of Measurements: 0

Q55
SSE
1/2 - 1 Mile
Higher

FED USGS USGS0263963

Agency: IN002 Site ID: 414035086151501
 Site Name: 37/2E-12E1
 Dec. Latitude: 41.67644
 Dec. Longitude: -86.25417
 Coord Sys: NAD83
 State: IN
 County: St. Joseph County
 Altitude: 709
 Hydrologic code: 04050001
 Topographic: Not Reported
 Site Type: Ground-water other than Spring
 Const Date: 19540813 Inven Date: Not Reported
 Well Type: Single well, other than collector or Ranney type
 Primary Aquifer: Not Reported
 Aquifer type: Not Reported
 Well depth: 73
 Hole depth: Not Reported Source: Not Reported
 Project no: Not Reported

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1954-08-13	22	

Q56
SSE
1/2 - 1 Mile
Higher

FED USGS USGS0263958

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency:	IN002	Site ID:	414034086151501
Site Name:	37/2E-12E6		
Dec. Latitude:	41.67644		
Dec. Longitude:	-86.25417		
Coord Sys:	NAD83		
State:	IN		
County:	St. Joseph County		
Altitude:	710		
Hydrologic code:	04050001		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	19370819	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	129		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

**R57
NW
1/2 - 1 Mile
Higher**

FED USGS USGS0264291

Agency:	IN002	Site ID:	414142086161701
Site Name:	37/2E-02D2		
Dec. Latitude:	41.69505		
Dec. Longitude:	-86.2714		
Coord Sys:	NAD83		
State:	IN		
County:	St. Joseph County		
Altitude:	702		
Hydrologic code:	04050001		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	19400330	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	142		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1940-03-30	22	

**R58
NW
1/2 - 1 Mile
Higher**

FED USGS USGS0264293

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency:	IN002	Site ID:	414142086161703
Site Name:	37/2E-02D4		
Dec. Latitude:	41.69505		
Dec. Longitude:	-86.2714		
Coord Sys:	NAD83		
State:	IN		
County:	St. Joseph County		
Altitude:	702		
Hydrologic code:	04050001		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	19461016	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	156		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1949-02-08	25	

**R59
NW
1/2 - 1 Mile
Higher**

FED USGS USGS0264292

Agency:	IN002	Site ID:	414142086161702
Site Name:	37/2E-02D3		
Dec. Latitude:	41.69505		
Dec. Longitude:	-86.2714		
Coord Sys:	NAD83		
State:	IN		
County:	St. Joseph County		
Altitude:	702		
Hydrologic code:	04050001		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	19430914	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	163		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

**R60
NW
1/2 - 1 Mile
Higher**

FED USGS USGS0264294

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency:	IN002	Site ID:	414142086161704
Site Name:	37/2E-02D6		
Dec. Latitude:	41.69505		
Dec. Longitude:	-86.2714		
Coord Sys:	NAD83		
State:	IN		
County:	St. Joseph County		
Altitude:	702		
Hydrologic code:	04050001		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	19490401	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	159		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

**O61
NW
1/2 - 1 Mile
Higher**

FED USGS USGS0264279

Agency:	IN002	Site ID:	414137086162403
Site Name:	37/2E-02D9		
Dec. Latitude:	41.69366		
Dec. Longitude:	-86.27334		
Coord Sys:	NAD83		
State:	IN		
County:	St. Joseph County		
Altitude:	702		
Hydrologic code:	04050001		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	19540217	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	144		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

**O62
NW
1/2 - 1 Mile
Higher**

FED USGS USGS0264277

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency: IN002 Site ID: 414137086162401
 Site Name: 37/2E-02D7
 Dec. Latitude: 41.69366
 Dec. Longitude: -86.27334
 Coord Sys: NAD83
 State: IN
 County: St. Joseph County
 Altitude: 702
 Hydrologic code: 04050001
 Topographic: Not Reported
 Site Type: Ground-water other than Spring
 Const Date: 19491110 Inven Date: Not Reported
 Well Type: Single well, other than collector or Ranney type
 Primary Aquifer: Not Reported
 Aquifer type: Not Reported
 Well depth: 161
 Hole depth: Not Reported Source: Not Reported
 Project no: Not Reported

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1949-11-10	26	

O63
NW
1/2 - 1 Mile
Higher

FED USGS USGS0264278

Agency: IN002 Site ID: 414137086162402
 Site Name: 37/2E-02D8
 Dec. Latitude: 41.69366
 Dec. Longitude: -86.27334
 Coord Sys: NAD83
 State: IN
 County: St. Joseph County
 Altitude: 702
 Hydrologic code: 04050001
 Topographic: Not Reported
 Site Type: Ground-water other than Spring
 Const Date: 19500407 Inven Date: Not Reported
 Well Type: Single well, other than collector or Ranney type
 Primary Aquifer: Not Reported
 Aquifer type: Not Reported
 Well depth: 154
 Hole depth: Not Reported Source: Not Reported
 Project no: Not Reported

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1954-02-17	23	

Q64
SSE
1/2 - 1 Mile
Higher

FED USGS USGS0263903

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency: IN002 Site ID: 414034086151401
 Site Name: 37/2E-12E5
 Dec. Latitude: 41.67616
 Dec. Longitude: -86.2539
 Coord Sys: NAD83
 State: IN
 County: St. Joseph County
 Altitude: 708
 Hydrologic code: 04050001
 Topographic: Not Reported
 Site Type: Ground-water other than Spring
 Const Date: 19370925 Inven Date: Not Reported
 Well Type: Single well, other than collector or Ranney type
 Primary Aquifer: Not Reported
 Aquifer type: Not Reported
 Well depth: 140
 Hole depth: Not Reported Source: Not Reported
 Project no: Not Reported

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1937-09-25	36	

Q65
SSE
 1/2 - 1 Mile
 Higher

FED USGS USGS0263897

Agency: IN002 Site ID: 414033086151501
 Site Name: 37/2E-12E4
 Dec. Latitude: 41.67588
 Dec. Longitude: -86.25417
 Coord Sys: NAD83
 State: IN
 County: St. Joseph County
 Altitude: 712
 Hydrologic code: 04050001
 Topographic: Not Reported
 Site Type: Ground-water other than Spring
 Const Date: 19531230 Inven Date: Not Reported
 Well Type: Single well, other than collector or Ranney type
 Primary Aquifer: Not Reported
 Aquifer type: Not Reported
 Well depth: 64
 Hole depth: Not Reported Source: Not Reported
 Project no: Not Reported

Ground-water levels, Number of Measurements: 0

S66
SE
 1/2 - 1 Mile
 Lower

FED USGS USGS0263990

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency:	IN002	Site ID:	414041086145904
Site Name:	37/2E-12C7		
Dec. Latitude:	41.6781		
Dec. Longitude:	-86.24973		
Coord Sys:	NAD83		
State:	IN		
County:	St. Joseph County		
Altitude:	684		
Hydrologic code:	04050001		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	19420425	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	108		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

S67
SE
1/2 - 1 Mile
Lower

FED USGS USGS0263987

Agency:	IN002	Site ID:	414041086145901
Site Name:	37/2E-12C4		
Dec. Latitude:	41.6781		
Dec. Longitude:	-86.24973		
Coord Sys:	NAD83		
State:	IN		
County:	St. Joseph County		
Altitude:	705		
Hydrologic code:	04050001		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	19390321	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	124		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

S68
SE
1/2 - 1 Mile
Lower

FED USGS USGS0263988

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency: IN002 Site ID: 414041086145902
 Site Name: 37/2E-12C5
 Dec. Latitude: 41.6781
 Dec. Longitude: -86.24973
 Coord Sys: NAD83
 State: IN
 County: St. Joseph County
 Altitude: 705
 Hydrologic code: 04050001
 Topographic: Not Reported
 Site Type: Ground-water other than Spring
 Const Date: 19461015 Inven Date: Not Reported
 Well Type: Single well, other than collector or Ranney type
 Primary Aquifer: Not Reported
 Aquifer type: Not Reported
 Well depth: 119
 Hole depth: Not Reported Source: Not Reported
 Project no: Not Reported

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1946-10-15	29	

S69
SE
1/2 - 1 Mile
Lower

FED USGS USGS0264045

Agency: IN002 Site ID: 414041086145906
 Site Name: 37/2E-12C9
 Dec. Latitude: 41.6781
 Dec. Longitude: -86.24973
 Coord Sys: NAD83
 State: IN
 County: St. Joseph County
 Altitude: 675
 Hydrologic code: 04050001
 Topographic: Not Reported
 Site Type: Ground-water other than Spring
 Const Date: 19561127 Inven Date: Not Reported
 Well Type: Single well, other than collector or Ranney type
 Primary Aquifer: Not Reported
 Aquifer type: Not Reported
 Well depth: 116
 Hole depth: Not Reported Source: Not Reported
 Project no: Not Reported

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1956-11-27	7	

S70
SE
1/2 - 1 Mile
Lower

FED USGS USGS0263989

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency:	IN002	Site ID:	414041086145903
Site Name:	37/2E-12C6		
Dec. Latitude:	41.6781		
Dec. Longitude:	-86.24973		
Coord Sys:	NAD83		
State:	IN		
County:	St. Joseph County		
Altitude:	684		
Hydrologic code:	04050001		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	19411220	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	110		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1941-12-20	4	

S71
SE
1/2 - 1 Mile
Lower

FED USGS USGS0264044

Agency:	IN002	Site ID:	414041086145905
Site Name:	37/2E-12C8		
Dec. Latitude:	41.6781		
Dec. Longitude:	-86.24973		
Coord Sys:	NAD83		
State:	IN		
County:	St. Joseph County		
Altitude:	675		
Hydrologic code:	04050001		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	19560801	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	116		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

T72
ESE
1/2 - 1 Mile
Lower

FED USGS USGS0264026

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency: IN002 Site ID: 414101086144101
 Site Name: 57097 REFERENCE NUMBER FROM IDNR-DOW DATABASE
 Dec. Latitude: 41.68366
 Dec. Longitude: -86.24473
 Coord Sys: NAD83
 State: IN
 County: St. Joseph County
 Altitude: 693.00
 Hydrologic code: 04050001
 Topographic: Not Reported
 Site Type: Ground-water other than Spring
 Const Date: 19730314 Inven Date: Not Reported
 Well Type: Single well, other than collector or Ranney type
 Primary Aquifer: 110QRNR
 Aquifer type: Not Reported
 Well depth: 110.00
 Hole depth: Not Reported Source: Not Reported
 Project no: Not Reported

Ground-water levels, Number of Measurements: 0

73
NW
1/2 - 1 Mile
Higher

FED USGS USGS0264295

Agency: IN002 Site ID: 414142086162401
 Site Name: 37/2E-02D1
 Dec. Latitude: 41.69505
 Dec. Longitude: -86.27334
 Coord Sys: NAD83
 State: IN
 County: St. Joseph County
 Altitude: 702
 Hydrologic code: 04050001
 Topographic: Not Reported
 Site Type: Ground-water other than Spring
 Const Date: 19330713 Inven Date: Not Reported
 Well Type: Single well, other than collector or Ranney type
 Primary Aquifer: Not Reported
 Aquifer type: Not Reported
 Well depth: 128
 Hole depth: Not Reported Source: Not Reported
 Project no: Not Reported

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1933-07-13	23	

74
East
1/2 - 1 Mile
Higher

FED USGS USGS0264101

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency:	IN002	Site ID:	414110086143901
Site Name:	57102 REFERENCE NUMBER FROM IDNR-DOW DATABASE		
Dec. Latitude:	41.68616		
Dec. Longitude:	-86.24417		
Coord Sys:	NAD83		
State:	IN		
County:	St. Joseph County		
Altitude:	Not Reported		
Hydrologic code:	04050001		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	19400214	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	110.00		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

T75	Site ID:	7414		
ESE	Groundwater Flow:	NOT REPORTED	AQUIFLOW	4257
1/2 - 1 Mile	Water Table Depth:	20-30		
Higher	Date:	Feb-91		

U76			FED USGS	USGS0264121
West				
1/2 - 1 Mile				
Higher				

Agency:	IN002	Site ID:	414115086164002
Site Name:	37/2E-03J6		
Dec. Latitude:	41.68755		
Dec. Longitude:	-86.27779		
Coord Sys:	NAD83		
State:	IN		
County:	St. Joseph County		
Altitude:	711		
Hydrologic code:	04050001		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	187		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

U77			FED USGS	USGS0264120
West				
1/2 - 1 Mile				
Higher				

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency:	IN002	Site ID:	414115086164001
Site Name:	37/2E-03J1		
Dec. Latitude:	41.68755		
Dec. Longitude:	-86.27779		
Coord Sys:	NAD83		
State:	IN		
County:	St. Joseph County		
Altitude:	712		
Hydrologic code:	04050001		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	19310411	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	129		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

78
North
1/2 - 1 Mile
Lower

FED USGS USGS0264323

Agency:	IN002	Site ID:	414158086153301
Site Name:	44194 REFERENCE NUMBER FROM IDNR-DOW DATABASE		
Dec. Latitude:	41.69949		
Dec. Longitude:	-86.25917		
Coord Sys:	NAD83		
State:	IN		
County:	St. Joseph County		
Altitude:	680.00		
Hydrologic code:	04050001		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	19671009	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	110QRNR		
Aquifer type:	Not Reported		
Well depth:	100.00		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

V79
SE
1/2 - 1 Mile
Lower

FED USGS USGS0264050

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency: IN002 Site ID: 414042086144901
Site Name: 37/2E-12C2
Dec. Latitude: 41.67838
Dec. Longitude: -86.24695
Coord Sys: NAD83
State: IN
County: St. Joseph County
Altitude: 686
Hydrologic code: 04050001
Topographic: Not Reported
Site Type: Ground-water other than Spring
Const Date: 19300000 Inven Date: Not Reported
Well Type: Single well, other than collector or Ranney type
Primary Aquifer: Not Reported
Aquifer type: Not Reported
Well depth: 116
Hole depth: Not Reported Source: Not Reported
Project no: Not Reported

Ground-water levels, Number of Measurements: 0

V80
SE
1/2 - 1 Mile
Lower

FED USGS USGS0263983

Agency: IN002 Site ID: 414040086145001
Site Name: 72992 REFERENCE NUMBER FROM IDNR-DOW DATABASE
Dec. Latitude: 41.67783
Dec. Longitude: -86.24723
Coord Sys: NAD83
State: IN
County: St. Joseph County
Altitude: 680.00
Hydrologic code: 04050001
Topographic: Not Reported
Site Type: Ground-water other than Spring
Const Date: 19650730 Inven Date: Not Reported
Well Type: Single well, other than collector or Ranney type
Primary Aquifer: 110QRNR
Aquifer type: Not Reported
Well depth: 100.00
Hole depth: Not Reported Source: Not Reported
Project no: Not Reported

Ground-water levels, Number of Measurements: 0

81
NNW
1/2 - 1 Mile
Lower

FED USGS USGS0264263

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency: IN002 Site ID: 414155086161001
 Site Name: 38/2E-35P4
 Dec. Latitude: 41.69866
 Dec. Longitude: -86.26945
 Coord Sys: NAD83
 State: IN
 County: St. Joseph County
 Altitude: 680
 Hydrologic code: 04050001
 Topographic: Not Reported
 Site Type: Ground-water other than Spring
 Const Date: Not Reported Inven Date: Not Reported
 Well Type: Single well, other than collector or Ranney type
 Primary Aquifer: Not Reported
 Aquifer type: Not Reported
 Well depth: 147
 Hole depth: Not Reported Source: Not Reported
 Project no: Not Reported

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
0000-00	5	

82
SSE
1/2 - 1 Mile
Higher

FED USGS USGS0263947

Agency: IN002 Site ID: 414028086150801
 Site Name: 37/2E-12E7
 Dec. Latitude: 41.67449
 Dec. Longitude: -86.25223
 Coord Sys: NAD83
 State: IN
 County: St. Joseph County
 Altitude: 708
 Hydrologic code: 04050001
 Topographic: Not Reported
 Site Type: Ground-water other than Spring
 Const Date: 19370629 Inven Date: Not Reported
 Well Type: Single well, other than collector or Ranney type
 Primary Aquifer: Not Reported
 Aquifer type: Not Reported
 Well depth: 160
 Hole depth: Not Reported Source: Not Reported
 Project no: Not Reported

Ground-water levels, Number of Measurements: 0

W83
NW
1/2 - 1 Mile
Higher

FED USGS USGS0264308

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency:	IN002	Site ID:	414149086162402
Site Name:	38/2E-35N3		
Dec. Latitude:	41.69699		
Dec. Longitude:	-86.27334		
Coord Sys:	NAD83		
State:	IN		
County:	St. Joseph County		
Altitude:	698		
Hydrologic code:	04050001		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	19431130	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	147		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

**W84
NW
1/2 - 1 Mile
Higher**

FED USGS USGS0264307

Agency:	IN002	Site ID:	414149086162401
Site Name:	38/2E-35N2		
Dec. Latitude:	41.69699		
Dec. Longitude:	-86.27334		
Coord Sys:	NAD83		
State:	IN		
County:	St. Joseph County		
Altitude:	698		
Hydrologic code:	04050001		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	19431002	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	154		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1943-10-02	17	

**85
South
1/2 - 1 Mile
Higher**

FED USGS USGS0263866

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency: IN002 Site ID: 414021086154601
 Site Name: 37/2E-11K3
 Dec. Latitude: 41.67255
 Dec. Longitude: -86.26278
 Coord Sys: NAD83
 State: IN
 County: St. Joseph County
 Altitude: 718
 Hydrologic code: 04050001
 Topographic: Not Reported
 Site Type: Ground-water other than Spring
 Const Date: 19450324 Inven Date: Not Reported
 Well Type: Single well, other than collector or Ranney type
 Primary Aquifer: Not Reported
 Aquifer type: Not Reported
 Well depth: 96
 Hole depth: Not Reported Source: Not Reported
 Project no: Not Reported

Ground-water levels, Number of Measurements: 0

86

North
1/2 - 1 Mile
Lower

FED USGS USGS0264337

Agency: IN002 Site ID: 414203086155001
 Site Name: 38/2E-35K1
 Dec. Latitude: 41.70088
 Dec. Longitude: -86.2639
 Coord Sys: NAD83
 State: IN
 County: St. Joseph County
 Altitude: 676
 Hydrologic code: 04050001
 Topographic: Not Reported
 Site Type: Ground-water other than Spring
 Const Date: Not Reported Inven Date: Not Reported
 Well Type: Single well, other than collector or Ranney type
 Primary Aquifer: Not Reported
 Aquifer type: Not Reported
 Well depth: 146
 Hole depth: Not Reported Source: Not Reported
 Project no: Not Reported

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
0000-00	6	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: IN Radon

Radon Test Results

City	County	Zip	Result
SOUTH BEND	ST JOSEPH	46616	3.799999952316284
SOUTH BEND	SAINT JOSEPH	46616	4.199999809265137
GREENFIELD	HANCOCK	46616	10.69999980926514
SOUTH BEND	SAINT JOSEPH	46616	3.400000095367432
SOUTH BEND	SAINT JOSEPH	46616	0.800000011920929
SOUTH BEND	SAINT JOSEPH	46616	3.799999952316284
SOUTH BEND	SAINT JOSEPH	46616	0.800000011920929
SOUTH BEND	SAINT JOSEPH	46616	4.099999904632568
SOUTH BEND	SAINT JOSEPH	46616	3.400000095367432
SOUTH BEND	SAINT JOSEPH	46616	2.099999904632568
SOUTH BEND	SAINT JOSEPH	46616	4.400000095367432
SOUTH BEND	SAINT JOSEPH	46616	2.099999904632568
SOUTH BEND	SAINT JOSEPH	46616	2.799999952316284
SOUTH BEND	SAINT JOSEPH	46616	0.600000023841858

Federal EPA Radon Zone for ST. JOSEPH County: 1

- Note: Zone 1 indoor average level > 4 pCi/L.
- : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
- : Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 46616

Number of sites tested: 2

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	Not Reported	Not Reported	Not Reported	Not Reported
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	2.150 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002. 7.5-Minute DEMs correspond to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW[®] Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

ADDITIONAL ENVIRONMENTAL RECORD SOURCES

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STATE RECORDS

Public Water Supply Wells

Source: Department of Environmental Management
Telephone: 317-308-3323
Community and non-community drinking water wells.

RADON

State Database: IN Radon

Source: Department of Health
Telephone: 317-233-7148
Radon Test Results

Area Radon Information

Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

APPENDIX D
SANBORN FIRE INSURANCE MAPS

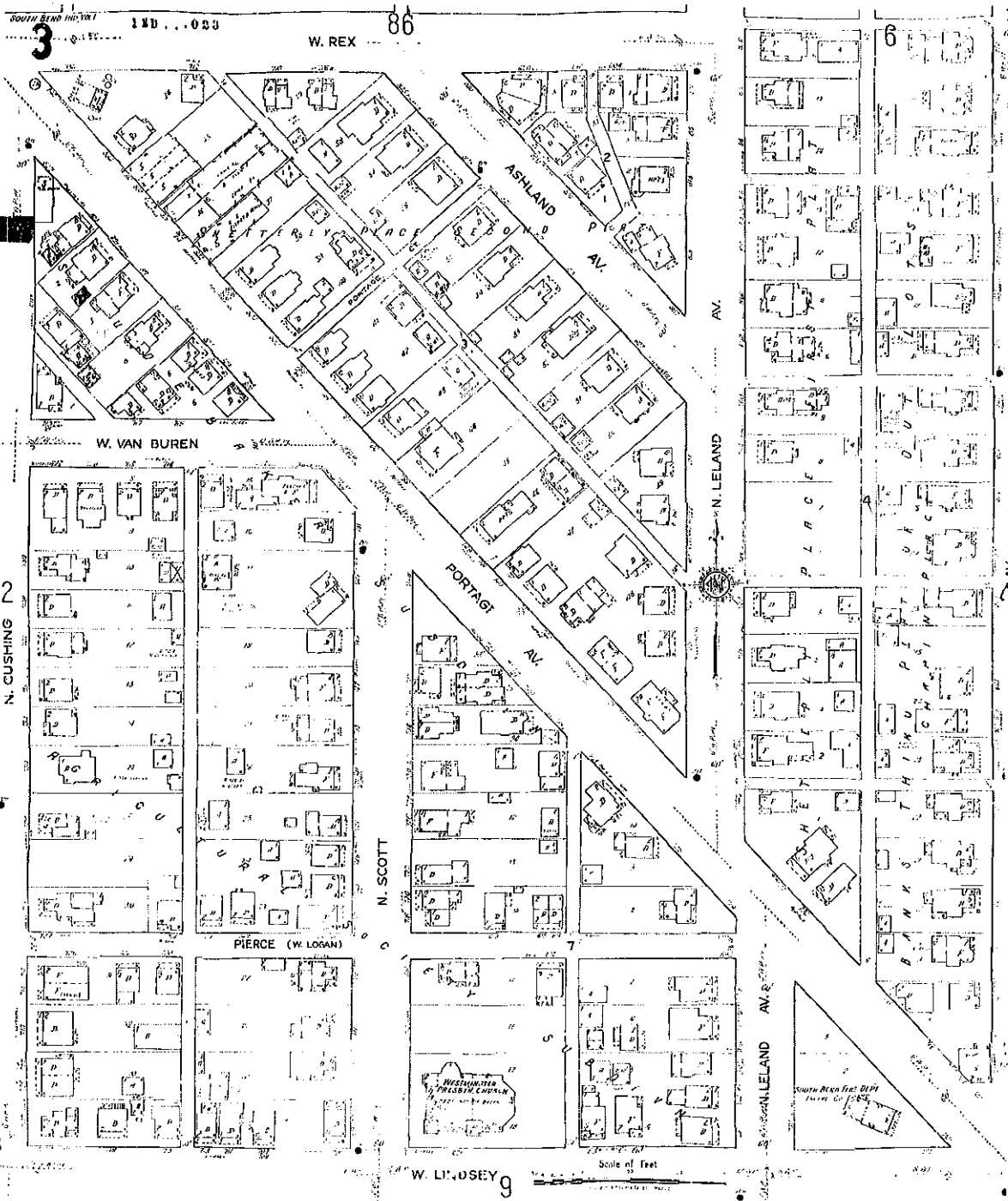


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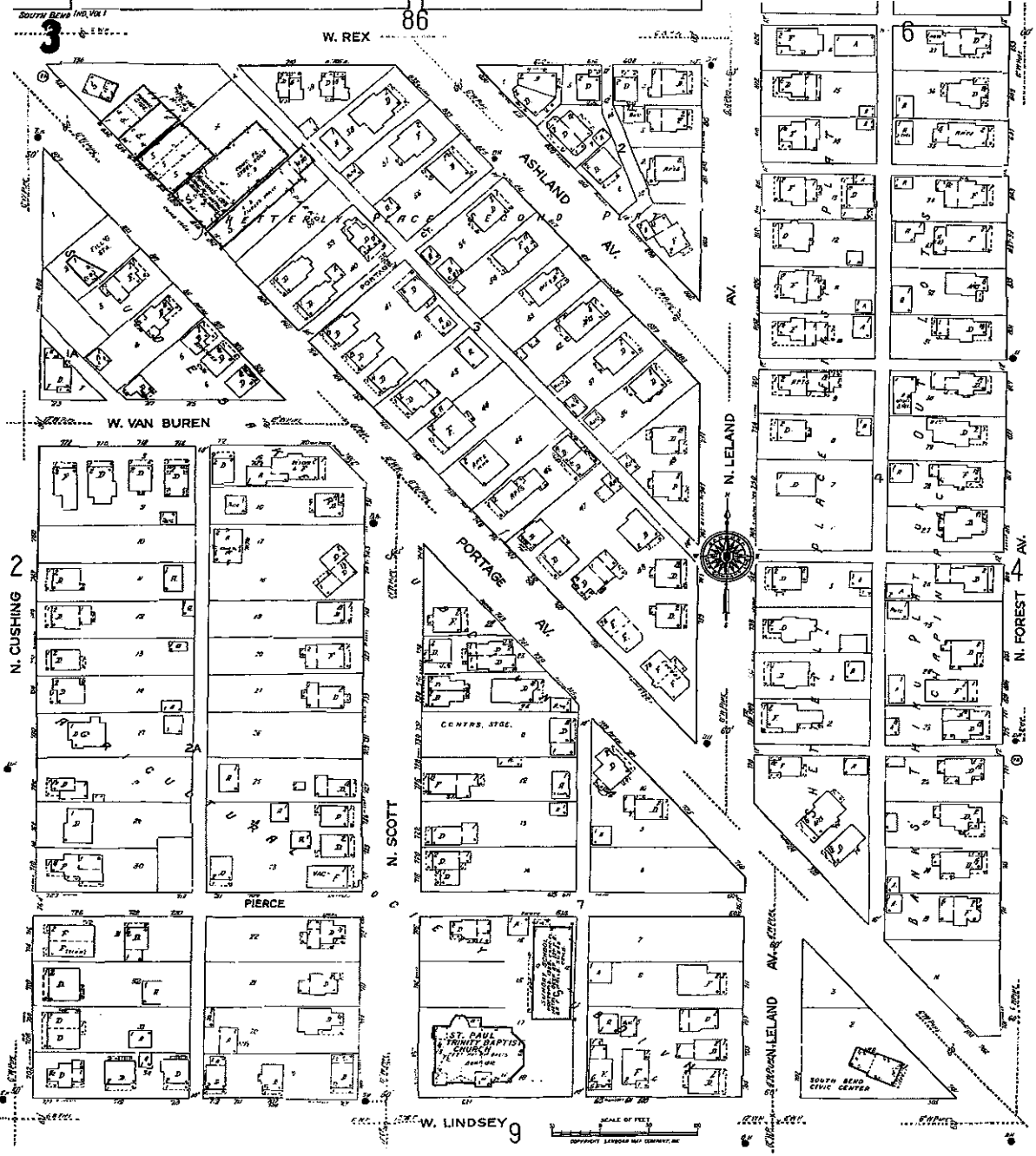




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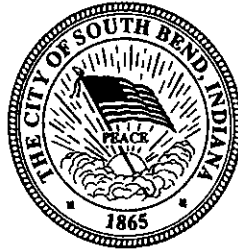
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APPENDIX E
SITE ACCESS AGREEMENT

1200 COUNTY-CITY BUILDING
227 W. JEFFERSON BOULEVARD
SOUTH BEND, INDIANA 46601-1830



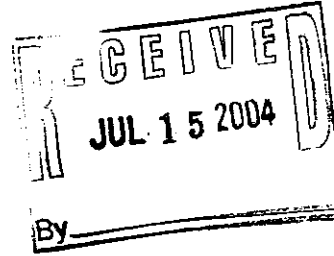
PHONE 574/ 235-9371
FAX 574/ 235-9021
TDD 574/ 235-5567

CITY OF SOUTH BEND STEPHEN J. LUECKE, MAYOR
COMMUNITY & ECONOMIC DEVELOPMENT

SHARON T. KENDALL
EXECUTIVE DIRECTOR

June 25, 2004

Ms. Leta Covington
5124 W. Colfax Ave.
South Bend, IN 46619



Dear Ms. Covington:

The City of South Bend has been awarded an USTfield Pilot Grant by the Indiana Department of Environmental Management (IDEM). The purpose of this grant is to foster new development along the commercial corridors of South Bend. To this end, the City proposes using some of these funds to perform a Phase I and a Phase II Environmental Site Assessment, if recommended, on the property owned by you at 821 Portage Avenue in South Bend, IN.

Your property has been identified by the Portage Avenue Steering Committee as a site with potential for redevelopment. The various corridor committees have been working for nearly five years to revitalize the business environment of the gateway corridors of South Bend.

The City of South Bend or any agency working with the City is not currently seeking to purchase your property or acquire it through eminent domain. Furthermore, the City is not targeting your property for more stringent Code Enforcement or environmental action.

Brownfields are abandoned or underutilized properties whose redevelopment potential is hindered by the known or perceived presence of environmental contamination. Properties in older commercial and industrial areas, such as this property, are often considered brownfield sites. This does not mean we suspect major environmental issues at this property; however, in order for new development to move forward, there must be a clear picture of the environmental condition of the property.

A Phase I Environmental Site Assessment is generally a review of publicly available records. Some of the documents researched include historical records indicating past uses of the property, aerial photography, health department records, State and Federal site lists, and geologic maps. The second part of a Phase I Environmental Site Assessment is on-site property reconnaissance. The reconnaissance is non-invasive in nature; therefore, there will be no sampling or drilling.

COMMUNITY DEVELOPMENT
PAMELA C. MEYER
574/235-9660
FAX: 574/235-9697

ECONOMIC DEVELOPMENT
DONALD E. INKS
574/235-9371

FINANCIAL & PROGRAM
MANAGEMENT
ELIZABETH LEONARD
574/235-9371

Page 2
Leta Covington

The general condition of the property is noted, as well as the presence of recognized environmental conditions, such as waste storage areas, hazardous building materials, aboveground and underground storage tanks, stressed or stained vegetation, dry wells, and apparent fill areas.

The City of South Bend has contracted with Wightman Petrie Environmental, Inc. to perform Phase I and Phase II Environmental Site Assessments. This firm has a demonstrated record in the environmental field, particularly in brownfield redevelopment.

We would like to begin the Phase I Assessments as soon as possible. We would appreciate a prompt response as to whether you accept this offer. Please sign and return one copy of this letter. The work should be completed within one week after it commences.

If you allow the City of South Bend and its contractor to conduct a Phase I on your property, we will perform the following:

- ✓ The City will perform the site assessment work at no cost to you
- ✓ The Contractor who requires access to the site will first provide you with a certificate of insurance, showing your company as an additional insured
- ✓ The Contractor will contact you prior to entering the property to commence work
- ✓ The Contractor will minimize its interference with operations at your business to the extent possible
- ✓ The Contractor will hold the report, and copies thereof, generated by the Phase I assessment, confidential, and it will not be given to any person or any party outside the City or State of Indiana without your permission

Following the completion of the Phase I assessment, a Phase II assessment may be required to complete the environmental profile of the property. A Phase II Environmental Site Assessment may include soil sampling, drilling, and installing monitoring wells. The City will be evaluating the results of the Phase I assessments to determine the sites for Phase II assessments. If your site is selected for a Phase II assessment, Wightman Petrie Environmental, Inc. will provide you with a list of the testing to be performed, will contact you prior to conducting the testing, and will give you a copy of the completed report.

If you have any questions regarding the USTfield Pilot Grant Program or environmental assessments, please feel free to contact me at 235-5827. Thank you.

Sincerely,

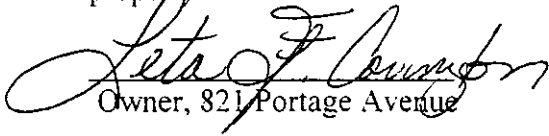


Tonya Zozulya
Planner

Page 3
Leta Covington

I hereby authorize the City of South Bend and its contractor, Wightman Petrie Environmental Inc., to perform a Phase I and Phase II Environmental Site Assessment upon the property I own at 821 Portage Avenue in South Bend, IN.

Furthermore, I will share with the City and its contractor any prior assessments performed on the property.


Owner, 821 Portage Avenue

6-6-04
Date

APPENDIX F
PERSONNEL QUALIFICATIONS

CONLEY B. PHIFER

Education: Purdue University
B.S.-Environmental Health, 1979
University of Pittsburgh
M.S.-Industrial Hygiene, 1985

Professional Affiliations/ Certifications: Certified Hazardous Materials Manager
Certified Indoor Environmentalist
40-hour HazWoper Training

Experience:

Mr. Phifer has more than 20 years of professional environmental consulting experience. Mr. Phifer's experience includes serving as Department Manager/Senior Project Manager for environmental site assessments for commercial and industrial properties throughout the United States. In this capacity, Mr. Phifer has performed or had direct responsibility for management more than 1000 Phase I/II Environmental site assessments of varying degrees of complexity. Mr. Phifer also served as Environmental Consultant/Project Manager for numerous EPA Region IV Alternative Remedial Contracting Service (ARCS) sites. Specific projects have included performing Remedial Investigation/Feasibility Studies (RI/FS), Remedial Designs (RD) and Remedial Actions (RA) for several EPA "Superfund" sites in the southeastern United States. Mr. Phifer served as Technical Assistance Team (TAT) Leader for a dedicated EPA Region IV contract involved with emergency response and removal activities at sites involving the release or threat of release of hazardous materials. Mr. Phifer has assisted numerous industrial clients in the management of hazardous wastes (assessment, RCRA closure, remediation) and underground storage tank systems (assessment, removal remediation, closure).