

January 29, 2012
Project No. 1380-351-01

WEAVER
BOOS
CONSULTANTS
GEO-ENVIRONMENTAL ENGINEERS
AND SCIENTISTS

Ms. Thao T. Nguyen
Plews Shadley Racher & Braun LLP
53732 Generations Drive
South Bend, Indiana 46635

Re: Phase I Environmental Site Assessment
Former Plant #1 Building, Power Plant Building, and Building 501
Honeywell Aerospace Complex
711 North Bendix Drive
South Bend, Indiana

Dear Ms. Nguyen:

Enclosed are four hard and four electronic copies of the Phase I Environmental Site Assessment report prepared by Weaver Boos Consultants, LLC (Weaver Boos) for the above referenced property. This report was prepared for Plews Shadley Racher & Braun, LLP pursuant to the scope of services and the terms and conditions contained in the Weaver Boos Proposal 002-02-11, dated November 17, 2011.

If you require further discussion of the matters discussed in this report or additional recommendations based upon the assessment findings, please let us know. We appreciate the opportunity to provide you with our services and look forward to working with you in the future.

Very truly yours,
Weaver Boos Consultants, LLC


Edward B. Stefanek
Senior Project Manager

Enclosures: Eight copies of the Phase I ESA report for Weaver Boos Project 1380-351-01

January 29, 2012
Project Number 1380-351-01

PHASE I

ENVIRONMENTAL SITE ASSESSMENT

Honeywell Aerospace Complex
Former Plant #1, Power Plant, and Bldg 501 (portion)
711 North Bendix Drive
South Bend, Indiana

Prepared For:

Ms. Thao T. Nguyen
Plews Shadley Racher & Braun LLP
53732 Generations Drive
South Bend, Indiana 46635

EXECUTIVE SUMMARY

Plews Shadley Racher & Braun, LLP (the client) retained **Weaver Boos Consultants, LLC** (Weaver Boos) to perform a *Phase I Environmental Site Assessment* (ESA) of a 5.6 acre parcel of land located at 711 N. Bendix Drive in South Bend, Indiana (the Property). The Property is part of a much larger complex that extends off-site to the west (717 North Bendix) and is known as the Honeywell Aerospace Complex.

The Property is occupied by a dilapidated series of adjoining vacated buildings (approximately 16,000 square feet) previously used as the power plant facility originally for the Bendix Corporation and later Allied Corporation. The power plant facility went off-line in 1986 when manufacturing activities ended in the adjoining building, known as Plant #1 by the Bendix Corporation. Bendix Corporation identified the power plant facility as Plant #8. The building is primarily a single-story building with basement. Tunnels extend from the basement in a west and east direction. A portion of the building contains a second story mezzanine that includes an employee locker room and mechanical air handler room. The remaining portion of the mezzanine area is comprised of catwalk decking to access the boilers. Above the mezzanine area are two additional levels of catwalk decking. The roof contains a conveyor to dump coal into several underlying chutes.

Adjacent to the power plant building is a detached metal structure with an asbestos warning label across the access door. Due to the configuration of the structure, it may have been originally been a baghouse associated with the power plant building. However, according to the *key site manager*, the building was referred to by employees of Honeywell as the "coal house". The building may have been marked with an asbestos warning label because according to the *key site manager* the building was referred to as asbestos pelletizer or a building used to remove the friability of bulk asbestos waste. The label also may be present due to the large amount of gross asbestos-containing debris within the power plant building.

The Property was also occupied by the floor of a large industrial/manufacturing building identified by the Bendix Corporation as Plant #1. The building, excluding the floor slab, was demolished in 1998 since it was no longer being used. Manufacturing activities ceased inside the building in the 1980s. Approximately 500 square feet of another building (Building 501) extends onto the Property near the northwest corner from the western neighboring Property.

The client has informed Weaver Boos that the *user* of the ESA will be the City of South Bend. Weaver Boos performed this Phase I ESA in general compliance with the American Society for

Testing Materials (ASTM) *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* (ASTM E 1527-05) in an effort to identify, to the extent feasible, the presence of *recognized environmental conditions* with respect to the Property as defined in ASTM E 1527-05. Limitations, exceptions to, or deletions from, this practice are described in **Sections 1.5** and **11.0** of this *report*.

The Property was developed prior to 1919. According to various documents, the Property may have been occupied prior to 1919 by the Winkler-Grimm Wagon Company or it may have been vacant. In 1919 Vincent Bendix purchased the wagon business and began a series of businesses that included manufacturing fire engines, automotive braking systems, and aircraft parts. The Bendix Corporation (Bendix) constructed a vast manufacturing complex across the Property in the 1920s including the power plant building, which ceased operation in 1986 and the Plant #1 building which was demolished in 1998. The Bendix Corporation was purchased by Allied Corporation in 1983 which later merged with the Signal Companies in 1985, forming Allied Signal in 1987. In December 1999, Allied Signal merged with Honeywell and the corporation became Honeywell International or simply Honeywell, the present Property owner.

On November 9 2011, Weaver Boos representative Edward Stefanek visually assessed the Property for *recognized environmental conditions*, including but not limited to, the presence of *hazardous substances, hazardous wastes, petroleum products, other wastes, underground storage tanks (USTs), aboveground storage tanks (ASTs), polychlorinated biphenyl (PCB)-containing equipment, or other potential environmental concerns.*

Weaver Boos also performed a review of commercially available government records in an effort to identify potential *recognized environmental conditions* in connection with the Property. This records review addressed not only the Property, but also surrounding properties. The records review also included *reasonably ascertainable* historical data, which can be helpful in identifying the past uses of the Property and surrounding areas, as it may relate to the environmental condition of the Property.

Finally, Weaver Boos performed *interviews* with various government agencies and other parties with possible knowledge of the Property and surrounding properties in an effort to identify current and past uses of the Property and surrounding areas, as they may relate to the environmental condition of the Property.

ASTM E 1527-05 defines a *recognized environmental condition as the presence, or likely presence, of any hazardous substances or petroleum products under conditions that would indicate an existing release, a past release, or a material threat of a release of such substances*

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 threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be de minimis are not recognized environmental conditions.

Included as part of the Phase I ESA scope was a NESHAP asbestos survey of the power plant facility and the portion of Bldg 501 that extends onto the Property. The results of the survey indicated significant amounts of both friable and nonfriable asbestos-containing materials (ACM) throughout the power plant facility and likely within the tunnels that extend outward from the facility in an east and west direction. General materials identified include pipe insulation and fittings, gasketing, window glazing, electrical insulating blocks, mag block insulation, boiler and tank insulation, transite siding, floor tile, ground debris, and roof (assumed). Approximately 1150 square feet of nonfriable asbestos (floor tile and roof) was identified in Bldg 501. Weaver Boos understands that these buildings may be demolished as part of a potential redevelopment project, therefore the ACM will require removal prior to demolition. An estimated cost to abate all ACM from the power plant facility is \$ 546,500 and from Bldg. 501 is \$ 1,800.

Based upon the assessments described in this *report*, this Phase I ESA has revealed no evidence of *historical recognized environmental conditions* or *recognized environmental conditions* (RECs) in connection with the Property with the following exceptions:

- REC-1 The presence or former presence of multiple underground storage tanks (USTs) around the southern and eastern perimeter of the former power plant building. There are indications that at least three tanks were closed in place (filled with cement or sand). Weaver Boos did identify only limited assessment activities near the USTs as part of a past IDEM Voluntary Remediation Program (VRP) Site Investigation. According to results of a VRP Site Investigation, chlorinated solvents were detected in the soil surrounding one or more of the tanks but at concentrations that were below IDEM closure standards. No active remediation is planned for this REC under the VRP.
- REC-2 and REC-3 The Property and adjoining properties to the west (occupied by Honeywell Industries) and to the east (occupied by Bosch Corporation) have been enrolled in the Indiana VRP due to identified soil and groundwater impacts associated

with historical land use within the footprint of Plant #1. Various source areas or areas of concern have been identified on the Property including Area 14 East – Former Painting and Degreasing Operations (REC-2) and Area 15 Former Metal Stamping Operations (REC-3). Contaminants of concern are primarily chlorinated hydrocarbons but also include phenols, cyanide, dissolved chromium, lead, and nickel. Free product was identified in the vicinity of Area 15, which is being actively recovered. Two remediation units were identified on the Property. The first unit is actively recovering free product within the vicinity of Area 15. The second unit (soil vapor extraction system) is associated with a portion of Area-14 East which is located east of the Property. No additional active remediation measures are proposed for these two RECs. Groundwater is monitored site-wide via a network of both on and off-site monitoring wells on a quarterly basis. Contaminated groundwater on-site is contained via a series of extraction wells which discharges contaminated groundwater into the municipal sewer system under an industrial discharge permit.

- REC-4 A transformer room may have been located adjacent to the exterior of the power plant building. The transformers have been removed. According to documentation reviewed by Weaver Boos, there are indications that a soil assessment has not been completed as part of the removal of the transformers or as part of a past IDEM Voluntary Remediation Program (VRP) Site Investigation.
- REC-5 Upgradient sources including a 50,000 gallon aboveground fuel storage tank and a former dump, both located south of the Norfolk Southern Railroad, and possibly the western adjoining property which is part of the current VRP efforts being implemented by Honeywell.

As part of the overall remediation of the Property, the Property owner has implemented various institutional and engineering controls as exposure prevention remedies. Specifically, the site will be restricted to industrial land use and paved or covered areas will remain in-place and be properly maintained unless a Soil Management Plan is followed. Currently, the remnant floor slab of Plant #1 that extends across the Property covers both documented and potential soil contamination. The Soil Management Plan establishes policies and procedures to protect health, safety, and environmental exposure during excavation projects and to ensure that any excavated soils are properly managed and disposed.

With the exception of REC-4, Weaver Boos does not recommend additional assessment activity (including soil/groundwater sampling) to determine subsurface conditions adjacent to those RECs that have been assessed in the past as part of the on-going VRP activities.

However, Weaver Boos understands the Property maybe redeveloped which will include the demolition of all structures and excavation for new construction. Any excavation activities should take into account the following factors:

- The presence and subsequent removal of underground storage tanks encountered during construction.

Weaver Boos suggests completing a geophysical survey across Property to identify potential UST locations. Documentation reviewed as part of this Phase I ESA indicates that at least three USTs are present. These tanks were closed in-place (not removed), primarily near the perimeter of the power plant building, however, historical documentation suggests that additional USTs could be present. Additional sampling may be required upon removal of the USTs.

- The presence and removal of contaminated subsurface soil encountered during construction.

Weaver Boos suggests completing soil assessment activity within perimeter of proposed construction areas that will require excavation (buildings, buried utilities, etc.) to quantify the extent of contaminated soil requiring removal and disposal.

In addition, Weaver Boos suggests preparing and completing a Soil Management Plan for submittal to IDEM and the current VRP responsible party (Honeywell) prior to construction. Weaver Boos understands that a Soil Management Plan may have already been prepared by Honeywell for future construction projects and submitted to IDEM for approval, but the key site manager could not provide a copy to Weaver Boos nor did Weaver Boos indentify a copy in the IDEM public record. The Soil Management Plant would minimize exposure to soil during and after construction.

- Potential soil vapor intrusion into any new building

Weaver Boos suggests completing a soil vapor intrusion evaluation within the perimeter of the proposed construction or the new construction incorporate remedial measures to abate potential soil vapor intrusion from the documented contamination.

- Continued presence of the remediation units and monitoring wells (which may necessitate relocation)

Weaver Boos suggests identifying possible alternatives and procedures if the current remediation measures obstruct any proposed construction including the abandonment and/or relocation of monitoring or remediation systems.

- Subsequent efforts by the Property owner to obtain closure in the VRP including closure soil and groundwater sampling on-site by consultants contracted by the Property owner.

Weaver Boos suggests preparing a confirmatory sampling plan to confirm that all remedial measures have been completed. This plan would include additional soil and/or groundwater sampling to be conducted by the VRP applicant (Honeywell) and include possible sample locations.

- The presence and removal of numerous machine pits encountered during construction. These pits were used during the metal stamping process and located across the western half of the Property within the former footprint of Plant #1. There are visual indications that these pits have been filled-in.

The removal of these pits for structural purposes may need to be considered during the site development project. Additional soil sampling may be required upon the removal of the pits.

This Executive Summary provides a brief overview of the findings of this Phase I ESA. Although the Executive Summary is an integral part of the *report*, it does not substitute for reading the entire *report* or the appended or referenced documents to fully understand the findings and conclusions of this Phase I ESA.

PHASE I ENVIRONMENTAL SITE ASSESSMENT
Honeywell Aerospace Complex
Former Plant #1, Power Plant Bldg, and Bldg 501 (portion)
711 North Bendix Drive
South Bend, Indiana

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1.0 INTRODUCTION

Weaver Boos Consultants, LLC (Weaver Boos) completed this *Phase I Environmental Site Assessment* (ESA) of the property located at 711 N. Bendix Drive in South Bend, Indiana (the Property) (see **Figure 1 - Site Location Map**).

Weaver Boos performed this Phase I ESA in general compliance with the scope and limitations of American Society for Testing Materials (ASTM) *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* (ASTM E 1527-05) and the terms and conditions of Weaver Boos Proposal 002-02-11 dated November 17, 2011 incorporated herein by reference. Weaver Boos understands that this Phase I ESA was conducted for the benefit of Plews Shadley Racher & Braun LLP (PSRB) and the City of South Bend, identified as the *user*.

The following sections of this *report* present our Phase I ESA findings and conclusions. A glossary containing terms and definitions presented in ASTM E 1527-05 as indicated by italicized text in this *report* is included in **Appendix A – Glossary of Terms**. Other appendices presented at the end of the *report* consist of figures, interview and user-provided information, photographic documentation, regulatory records review documentation, historical records, and personnel qualifications.

1.1 Purpose

The purpose of this Phase I ESA is to identify and report, to the extent feasible, *recognized environmental conditions* with respect to the Property. ASTM E 1527-05 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 threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be de minimis are not recognized environmental conditions.

Performing a Phase I ESA in general compliance with ASTM E 1527-05 may enable a *users* to satisfy one of the requirements to qualify for the *innocent landowner, contiguous property owner, or bona fide prospective purchaser* limitations on Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) liability; that is, the practice that constitute “*all appropriate inquiry* into the previous ownership and uses of the *property* consistent with good commercial or customary practice” as defined in 42 U.S.C. Section 9601(35)(B).

1.2 Detailed Scope-of-Services

Weaver Boos performed this Phase I ESA in general compliance with ASTM E 1527-05, and the terms and conditions of Weaver Boos Proposal 002-02-11 dated November 17, 2011. The scope of services for this Phase I ESA included, but was not limited to:

- A review of *standard environmental record sources* pursuant to ASTM E 1527-05 regarding environmental activities for the Property and local area properties;
- A review of reasonably ascertainable, practicably reviewable, and publicly available historical aerial photographs, recorded land title records, topographic maps, zoning/land use records in an effort to assess past Property conditions;
- *Interviews* with reasonably available *key site manager*, past and present *Property owners, occupants, operators*, and state and or *local government agencies* by or under the supervision of an *environmental professional*;
- A *site reconnaissance* by or under the supervision of an *environmental professional* in an effort to assess the current use of the Property and to identify potential environmental concerns including but not limited to, the presence of *hazardous substances, hazardous wastes, petroleum products*, other wastes, *underground storage tanks (USTs)*, aboveground storage tanks (ASTs), polychlorinated biphenyl (PCB)-containing equipment, or other potential environmental concerns;
- A *site reconnaissance* by or under the supervision of an *environmental professional* from reasonably accessible public thoroughfares in an effort identify the current use of the adjoining properties and potential environmental concern including, but not limited to, the presence of *hazardous substances, hazardous wastes, petroleum products*, other

wastes, USTs, ASTs, PCB-containing equipment, or other potential environmental concerns; and

- Preparation of this Phase I ESA *report*.

As an additional service, Weaver Boos also completed the following:

Asbestos Survey

Weaver Boos retained Amereco Engineering to complete an Indiana-accredited NESHAP pre-demolition asbestos survey of the former Bendix Power Plant building and eastern one-story wing of Building 501. All suspect asbestos-containing materials (ACMs) were categorized in accordance with EPA/IDEM rules and regulations into homogeneous areas. All ACMs were sampled and analyzed in accordance with local, state, and federal rules and regulations. All identified ACM were then quantified for budgetary purposes. A final report was prepared which included the quantities of ACM identified, estimated quantities, friability and estimated abatement cost (see **Appendix I**).

Weaver Boos initiated this Phase I ESA pursuant to authorization received from Ms. Thao Nguyen of PSRB on November 28, 2011. Weaver Boos Proposal 002-02-11, dated November 17, 2011 contains the scope of services, cost estimate, and the Terms and Conditions applicable to the performance of this Phase I ESA.

1.3 Standard of Care

Weaver Boos conducted this Phase I ESA using a defined scope of services considered appropriate and agreed upon by all parties on the date the service was authorized, unless the scope of services or the methods used were later modified, in writing, and accepted by all parties prior to performance. Weaver Boos conducted this Phase I ESA in accordance with generally accepted practices in a manner consistent with that level of care exercised by other members of our profession in the same locality and under similar conditions of time and accessibility of improvements and information. No other representations, expressed or implied, and no warranty or guarantee is included or intended to be part of this Phase I ESA.

The scope of services performed in execution of this assessment may not be appropriate to satisfy the needs of other parties. We, therefore, are not responsible for independent conclusions, opinions, or recommendations of others based on our assessment. Furthermore, this Phase I ESA relates to the environmental conditions of the Property and does not address issues raised in transactions such as business risk, purchase of business entities, or interests therein, or of their

assets, that may well involve environmental liabilities pertaining to properties previously owned or operated or other off-site liabilities.

Additionally, the findings of this Phase I ESA are based on Weaver Boos' observations, inquiries, and historical research using *reasonably ascertainable* and *practically reviewable* information obtained within *reasonable time and cost* constraints. Weaver Boos does not represent that this Phase I ESA is an exhaustive assessment that reflects the findings of all of the information available for the Property, nor is it representative of any future Property conditions. If additional information concerning the Property is discovered, it should be provided to us so that we may evaluate its impact on our conclusions. As such, any activities or episodes that transpire subsequent to this Phase I ESA are not considered in this assessment. A Phase I ESA performed in general compliance with ASTM E 1527-05 is not intended to be an exhaustive assessment of a *property* nor can it wholly eliminate uncertainty regarding the potential for *recognized environmental conditions* in connection with a *property*.

1.4 Significant Assumptions

This Phase I ESA is based in part on information obtained from visual observations of the Property and vicinity, commercial data sources, and interviews with government agency representatives, representatives of the *owners* of the Property and *occupants* of the Property. Weaver Boos assumes this information to be accurate, complete, and representative of Property conditions unless some fact or circumstance made known to Weaver Boos through the course of this assessment reasonably suggests otherwise.

1.5 Limitations and Exceptions

ASTM E 1527-05 requires that the *environmental professional* shall document, in the *report*, general limitations and basis of review, including limitations imposed by physical obstructions such as adjacent buildings, bodies of water, asphalt, or other paved areas, and limiting conditions.

- Due to the considerable amount of friable asbestos debris and deteriorated conditions within the power plant building, observations during the site reconnaissance were limited to the first floor and one isolated area within the basement. In addition, a detached "bag house" or "coal house" near the building was welded closed and could not be accessed. Further, an asbestos label was on the access door. According to the *key site manager*, the building may have been labeled during the amount of gross friable asbestos contained in

the nearby plant building. The *key site manager* also reported that the “bag house” was referred to by others as an asbestos pelletizer.

1.6 Special Terms and Conditions

There were no special terms and conditions associated with performing this assessment beyond those in Weaver Boos Proposal 002-02-11, dated November 17, 2011.

1.7 User Reliance

This *report* is confidential and has been prepared for the exclusive use by PSRB and the City of South Bend.

No additional parties may use the information contained in this *report* without obtaining the written permission of Weaver Boos, PSRB, and the City of South Bend. Weaver Boos’ duties and obligations extend to PSRB and the City of South Bend and to no other party. Weaver Boos’ duties and obligations to PSRB and the City of South Bend are not transferable to any person, corporation, or organization without the express written consent of PSRB, the City of South Bend and Weaver Boos.

This Phase I ESA *report* must be read and interpreted as a whole and can only be considered representative of the conditions of the Property as of the date of our *site reconnaissance* described herein. Weaver Boos makes no representation whatsoever concerning the condition of the Property beyond the date of our *site reconnaissance* described herein. Individual sections and appendices of this *report* are dependent on the balance of this *report*, and on the terms, conditions, and stipulations contained in the proposal and any written amendments accepted by Weaver Boos.

2.0 SITE DESCRIPTION

2.1 Location and Legal Description

The Property is located at 711 N. Bendix Drive in South Bend, Indiana (see **Figure 2 – Site Location Map**). The Property generally lies north of a freight and passenger railroad (Norfolk Southern and Amtrak) and a train station building (Amtrak). To the east of the Property is concrete pavement and a large manufacturing/warehouse building (401 North Bendix Drive) with an office wing (Bosch Corporation). To the north of the Property is Bendix Drive, an asphalt parking lot and residential properties. To the west of the Property is a continuation of the concrete pavement (former floor slab of Plant #1) that occupies the majority of the Property, and a complex of industrial manufacturing building (717 North Bendix) owned by the Property owner and referred to as the Honeywell Aerospace Complex.

The Property consists of approximately 5.6 acres of land. The Property is occupied by a dilapidated series of adjoining buildings (approximately 16,000 square feet) previously used as the power plant facility for The Bendix Corporation and later Allied Corporation until 1986. The entire Bendix complex extended off-site both to the east and west of the Property and has been listed at several addresses including 401 and 717 North Bendix Drive, South Bend, Indiana. Bendix Corporation records identify the power plant facility as Plant #8. The Property was also occupied by a large industrial/manufacturing building identified by Bendix Corporation records as Plant #1. The building, excluding the floor slab, was demolished in 1998. Approximately 500 square feet of another building (Building 501) extends onto the Property near the northwest corner from the western neighboring Property

The Property can be described as one main irregular shaped lot (2011 Parcel ID 018-02040-1387) (see **Figure 1 – Site Location Map**). The Property was split in 2008 from a much larger parcel that included the neighboring property (occupied by the Bosch Corporation) to the east (401 North Bendix Drive). The Property is located in the southwest quarter of Section 3, Township 37 North, Range 2 East, Portage Township, and St. Joseph County, Indiana. A legal description of the Property and additional site information is included in **Appendix B – User-Provided Information**.

2.2 Site and Vicinity General Characteristics

The Property consists of one parcel of land with an approximate total area of 5.6 acres. The surrounding area is mixed use (residential, industrial, and commercial). The Property is occupied by a dilapidated vacated building formerly used as a power plant facility, a nearby

detached “baghouse or coalhouse” associated with the power plant facility, approximately 500 square feet of another building at the northwest corner of the Property, and concrete pavement or remnants of the floor slab of another building that was demolished. Two small units of equipment were observed on the concrete pavement. According to documentation reviewed by Weaver Boos the equipment is used to remediate underlying chlorinated volatile organic compound (VOC) contamination in the groundwater and the recovery of free product (naphtha/Stoddard solvent).

A review of the 1980 South Bend-West, 7.5-minute quadrangle topographic map published by the United States Geological Survey (USGS) suggests that the Property is at an elevation of approximately 710 feet above mean sea level (msl).

2.3 Current Use of the Property

The Property is currently not being used for any purpose with the following exception. Two soil/groundwater remediation units associated with chlorinated VOC contamination were identified on the Property. The first unit is actively recovering free product from the water, whereas the second unit is a soil vapor extraction system that extends off-site to the east.

Historically, the Property has been used for manufacturing (automotive and aviation brake and chassis components) purposes since 1923. The power plant building was taken off-line in 1986 when manufacturing activities ceased in the nearby Plant #1 building. Plant #1, which occupied the Property was subsequently demolished in 1998.

2.4 Description of Structures, Roads, and Other Site Improvements

The Property is comprised of the following buildings, all slab-on-grade structures.

- The Property is occupied by a dilapidated series of vacated adjoining buildings (approximately 16,000 square feet) previously used as the power plant facility originally for The Bendix Corporation and later Allied Corporation until 1986. The plant was likely used as a heat-only boiler station which generated heat in the form of hot water and steam for use in district heating applications. The building is primarily of brick construction. Bendix Corporation identifies the power plant facility as Plant #8. The building is primarily a single-story building with basement and tunnels leading from the basement to the west and east boundaries of the Property. A portion of the building contains a second story mezzanine that contain an employee locker room and mechanical air handler room. The remaining portion of the mezzanine area is comprised of catwalk decking to access the boilers. Above the mezzanine area are two additional levels of

catwalk decking. The roof contains a conveyor to dump coal into several underlying chutes. The building was built as part of the original Bendix Aviation complex in the 1920s. The building contains four oil-fired water boilers. The oil used to fire the boilers was stored in a 50,000 gallon aboveground storage tank located to the south of the Property. The coal was stored in storage compartments beneath near the roof of the building. There are visual indications that three of the boilers were originally fired with coal. Also contained in the building are steam-powered compressors and several aboveground water treatments tanks and empty vats.

- Adjacent to the power plant building is a detached metal structure with an asbestos warning label across the access door. The structure could have been used for multiple purposes according to an interview with the *key site manager*. Due to the configuration of the structure, it may have been originally been a baghouse associated with the power plant building. However, according to the *key site manager*, the building was referred to by some employees of Honeywell as the “coal house”. The building may have been later marked with an asbestos warning label because according to the *key site manager* the building was also referred to as an asbestos pelletizer or a building that was later used to remove the friability of bulk asbestos waste. The label may have also been placed on the structure due to the gross degree of asbestos-containing debris on the floor in the power plant building.
- The Property was also occupied by a large industrial/manufacturing building identified by the Bendix Corporation as Plant #1. The building originally extended off-site both to the east and west of the Property. The portion of the building that covered the Property, excluding the floor slab, was demolished in 1998 since the building was no longer being used. The floor slab remains as an engineered cover/barrier across potential and documented chlorinated VOC soil contamination. The building was constructed in the 1920s as part of the original Bendix Aviation complex.
- Approximately 500 square feet of another building (Building 501) extends onto the Property near the northwest corner from the western neighboring Property. This portion of Bldg 501 was vacated. Building 501 was likely constructed in the late 1970s or early 1980s based on a review of historical aerial photographs. A portion of the building contains electrical relay and switch equipment for the remedial equipment identified on the Property.

2.5 Current Uses of the Adjoining Properties

The following is a listing of the current adjoining properties including the applicable property name, address, operation, and direction from the Property.

CURRENT ADJOINING PROPERTIES			
Property Name/Occupant	Address	Operation/Use	Direction from the Property
Vacant Lot	N. Bendix Drive (Former Bertrand Street) South Bend, Indiana	Employee Parking	North
Honeywell Industries	711 North Bendix Drive South Bend, Indiana	Industrial	West
Bosch Corporation	401 North Bendix Drive South Bend, Indiana	Industrial/Office	East
Amtrak	2702 W. Washington South Bend, Indiana	Train Station/Passenger Rail	South
Norfolk Southern	None	Freight Railroad	South

Weaver Boos photographed selected sites, operations, and improvements located at or near the Property to support this written *report*. Those photographs are included in **Appendix C – Photographic Documentation**.

3.0 USER-PROVIDED INFORMATION

ASTM E 1527-05 provides that certain Phase I ESA tasks are to be performed by the *user*. The purpose of this section is to present select *user*-provided information that can assist in identifying possible *recognized environmental conditions* in connection with the Property. According to ASTM E 1527-05, these tasks do not require the technical expertise of an *environmental professional* and are generally not performed by *environmental professionals* performing a Phase I ESA. We provided the *user* with a questionnaire at the beginning of this Phase I ESA to assist them with these tasks. A copy of the User-Provided Information Questionnaire is included in **Appendix B – User-Provided Information**. The following sections describe our review of the responses that we received.

3.1 Title Records

The *user* did not provide Weaver Boos with a response concerning recorded title records for the Property nor did the *user* authorize Weaver Boos to perform a recorded title records review.

3.2 Environmental Liens or Activity and Use Limitations

The *user* informed Weaver Boos that it is aware of no *environmental liens* with respect to the Property. The *user* did provide information regarding activity use limitation associated with the adjoining property to the east. These limitations are outlined in **Appendix B – User Provided Information**.

According to one document, referenced as an Environmental Remediation Agreement, License, and Easement, dated August 17, 2000 between Honeywell Industries (the seller and Property owner) and the Bosch Corporation (the buyer and current occupant of the adjoining property to the east) the seller entered the Indiana VRP in January 1999 to address soil and groundwater contamination beneath the Property and adjoining property to the east. Honeywell stated that it will perform the necessary remediation work, at its expense and cost, to address all documented environmental conditions as of the date of the document. Bosch shall accept engineering and institutional controls necessary for Honeywell to obtain a Certificate of Completion under the VRP. Bosch shall not alter, change, or disturb engineering or institutional controls without Honeywell's consent. Bosch shall also allow Honeywell access onto the neighboring property to the east to conduct remediation work. This agreement according to the document is transferable to any future owner of the neighboring property to the east and shall run with the land.

3.3 Specialized Knowledge

The *user* informed Weaver Boos that it is not aware of specialized knowledge that is material to identifying *recognized environmental conditions* with respect to the Property. However, the Property owner has enrolled the Property (and adjoining properties to the east and west) into the Indiana Voluntary Remediation Program.

3.4 Commonly Known or Reasonably Ascertainable Information

The *user* informed Weaver Boos that it is aware of general commonly known or *reasonably ascertainable* information within the local community about the Property that is material to identifying *recognized environmental conditions* with respect to the Property. The *user* is aware that there may be general soil and groundwater impacts associated with the historical activities that have occurred on the Property.

3.5 Valuation Reduction for Environmental Issues

The *user* is unaware to their knowledge, if the value of the Property has been reduced due to environmental issues.

3.6 Owner, Property Manager, and Occupant Information

The *user* informed Weaver Boos that the Property *owner* is currently Honeywell Industries as of the date of this report.

3.7 Reason for Performing Phase I ESA

The *user* requested that Weaver Boos perform this Phase I ESA in support of its environmental due diligence efforts associated with the potential acquisition and redevelopment of the Property.

3.8 Obvious Indicators of the Presence or Likely Presence of Contamination of the Property

The *user* stated to Weaver Boos that to their knowledge, no obvious indicators of the presence or likely presence of contamination exist at the Property with one exception. The Property owner has enrolled their facility in the Indiana Voluntary Remediation Program.

3.9 Other Information Relevant to the Property

The *user* stated to Weaver Boos that it is aware of no other information relevant to the Property.

4.0 RECORDS REVIEW

4.1 Standard Environmental Record Sources

According to ASTM E 1527-05, the purpose of reviewing regulatory records is to obtain and review records that will help identify *recognized environmental conditions* in connection with the Property. In addition, some records to be reviewed pertain not only to the Property, but also to properties within an additional '*approximate minimum search distance*' in order to help assess the likelihood of problems from migrating *hazardous substances* or *petroleum products*. When the term '*approximate minimum search distance*' includes areas outside the Property, it shall be measured from the nearest Property boundary. The term '*approximate minimum search distance*' is used in lieu of the term 'radius' in order to include irregularly-shaped properties.

Weaver Boos retained EDR of Milford, Connecticut to provide an ASTM Radius Map Report (EDR Report) for this Property. The EDR Report is a computerized search of select state and federal environmental databases that identify various properties with a record of environmental activity. Weaver Boos reviewed the EDR Report and summarized the relevant findings in the following sections. A copy of the compiled EDR Report has been included as **Appendix D - Regulatory Documentation**.

Historically, the Property was part of a much larger parcel of land that extended to the east and west which was listed as either 401, 711, or 717 North Bendix Drive.

4.1.1 Summary of Database Findings

717 Bendix Drive (Property and/or adjoining property to the west)

EDR Entry #1

The EDR Report identified the Property or the adjoining property to the west on the governmental databases. The Property is listed under the name Allied Signal/Honeywell, Allied Corporation/Allied Signal Aerospace, and Honeywell Engine Systems/Accessories.

The Property is identified on the SHWS, VCP, CERC-NFRAP, RCRA-NonGen, MANIFEST, UST, and SCP databases. The SHWS database is a list of state hazardous waste sites. The VCP database is a list of sites enrolled in the Indiana Voluntary Remediation Program (VRP). The SCP database is a list of sites referred to the State Cleanup Program.

The SHWS database indicates that the soil and groundwater beneath the site has been impacted with solvent constituents although no manufacturing is occurring. However, in the past the facility, originally occupied by the Bendix Corporation, produced automotive brake and steering

components, aircraft fuel controls, aircraft wheels, brakes and landing gear. Bendix generated a large number of waste streams. Most waste streams were shipped off-site to nearby landfills/dumps, but some were stored on-site. In addition, numerous spills occurred in and around the complex. In 1981, a study completed by Allied Signal identified widespread groundwater contamination. As a result, the facility has been enrolled in the Indiana VRP (VRP ID# 6980601). Additional information is provided in **Section 4.2.2**. The facility was assessed for possible inclusion on the NPL from 1987-1990 but was later archived in 1998. Weaver Boos has categorized this finding as a *recognized environmental condition* associated with the Property.

The UST database indicates that the facility contained 24 underground storage tanks. All 24 tanks are listed as being permanently out of service. According to the file record obtained from the IDEM VFC, eight USTs were removed in 1988. The tanks ranged in capacity from 500-2,000 gallons and contained waste oil, chromic acid, and jet fuel. The other sixteen USTs were filled in-place over a period of approximately 10 years from the mid 1970s-mid 1980s. Tanks sizes ranged in capacity from 500-20,000 gallons and contained gasoline, jet fuel, Stoddard solvent, naphtha, fuel, and oil salvage, chromic acid, and unidentified substances. There are indications in the IDEM VFC that some of these tank locations were assessed for the presence of a release but others have not. Records indicate that these tanks could be a source of the site-wide groundwater impacts. According to investigations undertaken before and during the facility's existence in the VRP, groundwater water flow direction is to the east or northeast. As a result, groundwater impacts from these tanks could affect the Property. As a result, Weaver Boos has categorized this finding as a *recognized environmental condition* associated with the Property.

401 North Bendix Drive (Property and/or the eastern adjoining property)

EDR Entry #1

The adjoining property to the east is listed on the Tier 2 Facility Listing (a list of facilities which store or manufacture hazardous materials that submit a chemical inventory report). The property is identified as Bosch Braking System Corporation, 401 North Bendix Drive. The primary contact is Mr. Mark Walker. The chemicals listed include lead and sulfuric acid. According to the Mr. Walker, Bosch routinely stores both virgin and waste chemicals. Although small quantities of the chemicals are stored throughout the buildings, there is a general storage area. Weaver Boos has not identified any environmental concerns with this finding as the materials are reportedly properly managed on-site.

EDR Entry #2

The adjoining property is also listed on the RCRA-NonGen, FINDS, and MANIFEST databases under the name Robert Bosch Corporation Automotive Corporation, 2721 W. Kenwood. The RCRA-NonGen database is an EPA comprehensive information system that identifies sites that do not generate hazardous waste but do generate regulated waste. The FINDS database contains both facility information and 'pointers' to other sources that contain more detail. The MANIFEST database describes hazardous waste manifest information. The databases indicate that the facility is a non-generator of hazardous waste as of March 2002, but is a historical generator. No violations are noted. The manifest record indicates that several pounds of waste flammable liquids including toluene and isopropanol were generated. According to Mr. Mark Walker, Bosch generates waste materials during it brake/component testing procedures. The materials are temporarily staged at dedicated locations and removed from the Property. The materials are appropriately labeled, stored, and removed and disposed of.

EDR Entry #3

The adjoining property to the east is also listed on the RCRA-SQG, FINDS, MANIFEST, BROWNFIELDS, and AIRS databases under the name Bosch Automotive Chassis. The RCRA-SQG database is an EPA comprehensive information system that identifies sites that generate between 100 and 1000 kg of hazardous waste per month. The BROWNFIELDS database is an industrial property that is abandoned, inactive, or underutilized, on which expansion or redevelopment is complicated due to actual or perceived environmental contamination. The AIRS database is a listing of permitted emission sources. The RCRA-SQG database states that the regulated waste was flammable and comprised of lead, benzene, methyl ethyl ketone, and solvents. One violation is noted in the database, dated December 13, 2001.

Weaver Boos reviewed additional facility information from the IDEM Virtual File Cabinet (VFC), a resource maintained by IDEM to obtain public records on-line. According to the file, the violation was due to labeling of waste containers and was immediately rectified by Bosch the same day the citation was issued. A compliance inspection was completed in December 2010 with no citations issued. The facility is likely listed on the FINDS database due to its RCRA activities. Manifest documentation from this facility includes the removal/disposal of a brake fluid/oil isopropyl mixture from cleaning and laboratory operations and waste flammable liquids (toluene and isopropyl alcohol) in 2004. The AIRS database refers to operating air permit that may have been issued in August 1996. According to Mr. Mark Walker and confirmed by IDEM,

the permit was not issued because the Bosch facility did not meet the threshold requirements under Title V. The facility, according to Mr. Mark Walker currently does not discharge any regulated substances into the air, water, or land that would require a permit. The facility is listed on the BROWNFIELDS database. According to records obtained from the IDEM VFC, the Property in addition to the adjoining property to the east, is enrolled in the Indiana Voluntary Remediation Program (VFP) for identified soil and groundwater impacts. More information is provided in **Section 4.2.2**. Weaver Boos has categorized the finding as a *recognized environmental condition* associated with the Property.

EDR Entry #4

The adjoining property to the east is listed on the LUST database as Allied Corp Bendix Chassis & DRA. The LUST database is an inventory of reported leaking underground storage tank (UST) incidents. Allied Corp is a prior occupant of the adjoining property. According to the database a LUST incident occurred in 1989 and impacted both the soil and groundwater. According to the file record on the IDEM VFC, the release was associated with a 10,000-gallon UST which failed a tank tightness test. The UST was subsequently removed in January 1990. After further assessment activities were conducted, IDEM issued a No Further Action Letter (June 2004) signifying that no further action is warranted.

The adjoining property is listed on the UST database under the name Allied Corp Bendix Chassis & DRA. The UST database is an inventory of all registered USTs. According to the database, the property contained five registered USTs that are listed as being permanently out-of-service. According to the file record on the IDEM VFC, the following USTs are either removed or closed in-place. All tanks were over 30 years old.

1. Tank No. T-1-1, 8,000 gallons, steel construction, contained machining coolant, last used in October 1984. Location is west of the Property. Tank was closed in-place.
2. Tank No. T-1-3, 7,000 gallons, ceramic construction, contained zinc cyanide, last used in July 1985. Location is outside of the southeast corner of Property. Tank was closed in-place.
3. Tank No. T-8-2, 1,500 gallons, steel construction, contained quench oil, last used in July 1985. Location is near southwest corner of former power plant building on the Property (see **Figure 4**). Tank was closed in-place.

4. Tank No. T-9-1, 10,000 gallons, steel construction, contained gasoline, lasted used in December 1989. Location is east of Property. Tank was removed in December 1989. Release was reported as previously described.
5. Tank No. T-9-2, 1,000 gallons, steel construction, contained used oil, last used in October 1987. Location was east of Property. Tank was closed in-place in October 1987.

There has been no release reported for four of the five tanks. Weaver Boos has only identified minimal assessment activities that may have occurred related to these tanks to determine if a release had occurred. The activities were related to a VRP Site Investigation. According to the IDEM record, there could be at least two additional tanks on the Property at the locations shown on **Figure 4** (see **Appendix G – Select IDEM Records**). Weaver Boos has categorized this finding as a *recognized environmental condition* associated with the Property.

EDR Entry #6

The adjoining property to the east is listed on the CERC-NFRAP, CORRACTS, RCRA-CESQG, FINDS, and MANIFEST databases under the name Allied-Signal Bendix. Allied Signal Bendix is a previous occupant of the Property. The CERC-NFRAP database is a list of archived sites that have been removed from the inventory of CERCLIS sites or potentially hazardous waste sites. Archived sites indicate to the best of EPA’s knowledge, assessment activities at a site have been completed and that EPA has determined that no further steps will be taken to list the site on the NPL unless additional evaluation or information indicates otherwise. The CORRACTS data is a list of hazardous waste handlers with RCRA corrective action activity. The RCRA-CESQG is a list of conditionally exempt small quantity generators who generate less than 100 kg of hazardous waste per month.

According to the record, an alias name for the facility was Bendix Automotive Systems, the Bendix Corporation, Bendix Engine Controls Division, and Allied Signal Engine. The site was assessed as potentially a National Priority Site in March 1983 and classified as a low priority based on a site inspection completed in August 1983 and acquired information. The facility did not qualify for inclusion on the National Priority List (NPL) and was subsequently archived. The facility is listed on the CORRACTs database due to its corrective action activity under the Indiana VRP (see **Section 4.2.2**). The RCRA-CESQG database activities also points to the Property, identified as Honeywell-Engine System & Accessories, 717 Bendix Drive. The facility has been periodically been a large quantity generator of hazardous waste, as documented in 1990, 1992, 1994, 1996, and 1998. These wastes are described as flammable and corrosive, and

include heavy metals, benzene, solvents, and cyanide generated during electroplating and heat treating operations. Violations are noted in the database in 1998 with subsequent compliance. Compliance inspections were completed in 1984, 1985, 1986, and 1998.

The EDR Report identifies other surrounding properties on certain government databases searched within the *approximate minimum search distances*. Based on the information provided in the EDR Report, the presence of roads, structures, underground utilities, the distances from the Property, the anticipated groundwater flow direction in the area of the Property and observations during our *site reconnaissance*, Weaver Boos does not believe any of the reported database findings associate with these properties would be of an environmental concern to the Property.

4.1.2 Orphan Sites

The EDR Report includes a section addressing “Orphan Sites.” Orphan sites are sites, which, due to incomplete geographic location data or incomplete or incorrect address information, cannot be plotted correctly. The EDR Report listed eighteen orphan sites in vicinity of the Property, as well as the specific databases in which they are listed.

Weaver Boos used at least two online mapping tools (Google Earth & Yahoo Maps) to locate the orphan sites listed within the EDR Report. Based on our use of the mapping tools, Weaver Boos identified one of the orphan sites as being an adjoining property.

This facility is identified as Area West of Bendix Oil Tank, Linden Avenue, South Bend and is listed on the CERCLIS/NFRAP database. This facility is located to the southwest of the Property and the adjoining railroad tracks. A 50,000 gallon aboveground storage tank was identified on this nearby property during the site reconnaissance. According to Mr. Mark Walker, the tank was used to store fuel oil for the power plant building. According to the database, the orphan site does not qualify for inclusion onto the NPL but assessment activities occurred from 1984-1994. No additional information is provided in the database but according to the record file on the IDEM VFC the area was formerly an open dump used in part by the Bendix Corporation to dispose solvents, heavy metals, acids, bases, and asbestos. According to an inspection report, prepared by Roy F. Weston, dated September 1994, low concentration of volatile organic compounds (VOCs), polyaromatic hydrocarbons (PNAs), heavy metals, and cyanide were detected in the soil. Due to the low concentrations detected, no further assessment activities were completed although only four surface soil samples and two sediment samples (from one wetland) and no groundwater samples were collected from an 18-acre area. Weaver Boos has categorized these findings (aboveground tank and former dump) as *recognized environmental condition* associated with the Property due to it upgradient groundwater location

(measured groundwater flow direction below the Property based on the on-going VRP monitoring efforts has been to the northeast).

Based on the distance of the other orphan sites from the Property and/or the databases in which they are listed, Weaver Boos believes their presence is not a *recognized environmental condition* in connection with the Property.

4.2 Additional Environmental Record Sources

Weaver Boos obtained and reviewed published, *reasonably ascertainable* information concerning the Property. Weaver Boos obtained that information from the following sources:

- Records on file at the South Bend Fire, Building, and Economic and Redevelopment Departments.
- Records on file at the Indiana Department of Environmental Management Virtual File Cabinet (VFC).
- Records on file at the St. Joseph County Health Department.

The following sections summarize our review of those records.

4.2.1 South Bend Fire and Building Department Records Review

Weaver Boos submitted a FOIA request to the South Bend Fire Department on October 28, 2011 regarding records of hazardous material incidents, USTs or other potential environmental concerns on the Property. According to an interview with a fire department representative, the Fire Department has no record of hazardous material incidents, USTs, or other environmental concerns located on the Property.

Weaver Boos then contacted the South Bend Building Department on November 2, 2011 requested any records pertaining to USTs on the Property. According to a building department representative, records go back to 1991-1992 and therefore indicated to Weaver Boos that they are unlikely to include applicable environmental records especially since all of the documented USTs on-site and on the adjoining property to the west were closed before 1991.

Copies of the South Bend Fire Department FOIA request and response are included in **Appendix E – Environmental Records and Interview Documentation**.

4.2.2 Indiana Department of Environmental Management (IDEM) Records Review

Weaver Boos reviewed IDEM's Virtual File Cabinet (VFC). Weaver Boos did locate considerable information (over 70 records) on the Property and adjoining properties to the west and east (the Property and adjoining properties were combined until 1996, see **Section 4.2.4**). This overall facility was approximately 110 acres, comprised of 26 buildings, and was occupied by the Bendix Corporation and later Allied Signal Corporation. Copies of applicable records are included in **Appendix F – IDEM Records from the Virtual File Cabinet** and **Appendix G – Select IDEM Records**.

The following extensive summary is provided in chronological order and is also based on information obtained from the St. Joseph County Health Department and IDEM. It is possible that additional documents are on file at the IDEM but were not available on the VFC due to legal considerations or not yet being uploaded. Weaver Boos has identified this finding as a *data gap* associated with the project.

In 1978, free-phase product (naphtha/Stoddard solvent) was discovered to on the Property and to the west of the Property. A recovery system was installed and has been operating until at least 2010. In December 1981, a site-wide groundwater investigation was completed across the Property and adjoining properties to the east and west. Multiple sites of groundwater contamination were identified both in free-phase form and dissolved. Contaminants included chlorinated volatile organic compounds (VOCs), naphtha, phenols, cyanide, and heavy metals, primarily lead, chromium, and zinc. Since 1981, the groundwater beneath the entire site has been quarterly monitored via several monitoring wells installed around the site perimeter and within possible sources of groundwater contamination. From 1982-1989, according to information obtained from the St. Joseph County Health Department, 82 underground storage tanks were closed (either in-place or removed). The record at IDEM indicates that 40 registered/regulated USTs were closed from the mid 1970s – mid 1980s. Manufacturing operations in Plant #1 also ceased during this period.

As a result of the groundwater impacts, a VOC groundwater recovery system was installed within known source areas and along the perimeter of the Property to minimize off-site migration of the contaminant plume. Free product is retained in aboveground tanks (one tank is located on the Property) and the purged groundwater is treated and discharged into the city sewer system via an industrial discharge permit. The groundwater recovery system has been in operation from 1988-present. A portion of this system is located on the Property, primarily within the former footprint of Plant #1 and along the northern Property boundary (see **Figure 2** and **Figure 5**).

From 1997-2003 both the naphtha and VOC recovery systems were rehabilitated and enhanced to meet objectives.

In early 1999, the overall complex, including the Property, was enrolled into the Indiana Voluntary Remediation Program by the Property Owner and is proceeding under the 1996 VRP Guidance Document for site closure rather than the current Indiana standards using the Risk Integrated System of Closure (RISC) adopted in 2001. From 1995-2000 comprehensive site investigation activities occurred which identified nineteen (19) areas of concern across the complex. Four areas of concern, identified as Area 1 – Site-wide Groundwater Contamination, Area 5 – Former USTs, Area 14 East – Former Painting and Degreasing Operation and Area 15 – Former Metal Stamping Operations are located on the Property (see **Figure 4**). An evaluation of the results of the site investigation activities are tabulated and illustrated on Table 4-1 and Figures 5, 18, and 19 in the Tier II Criteria Comparison Report (Harding Lawson, 2000) provided in **Appendix G**. The primary constituents of concern in these areas are chlorinated VOCs, lead, and petroleum hydrocarbons. The soil source areas are shown on **Figure 6**. Free product was identified at Area 15 (**Figure 7**).

In Area 5, five soil samples were collected around three USTs located around the power plant building. The samples did not contain contaminant concentrations that exceeded 1996 closure criteria, thus soil remediation was not proposed. Groundwater samples did not contain contaminant concentrations that exceeded the 1996 closure criteria. In Area 14 East, three locations on the Property were investigated. Soil samples did not contain contaminant concentrations that exceeded 1996 closure criteria, thus soil remediation was not proposed. Groundwater samples did contain contaminant concentrations that exceeded closure criteria at two of the three locations. One location east of the Property did contain soil and groundwater contaminant concentrations that exceeded closure criteria. This area is currently being actively remediated. The remediation equipment is located on the Property. In Area 15, multiple locations were investigated on the Property near various degreasing/washing areas and machine pit locations. One soil sample collected near the water table contained contaminant concentrations that exceeded 1996 closure criteria. Free product was identified near this location. Groundwater contaminant concentrations exceeded 1996 closure criteria at four sample locations. Free product is actively being recovered at this location, but no soil remediation is planned since the soil contamination was likely attributable to the groundwater impacts and free product.

In 2001, a facility-wide VRP Remediation Workplan (RWP) was submitted to IDEM and approved (2002) (see **Appendix G**). The RWP outlines proposed remedial corrective action activities associated with the various areas of concern. The RWP objectives include:

- Continue containment of impacted groundwater to minimize potential off-site migration of chemical in groundwater.
- Remove the remaining areas of free product where practical and technically feasible.
- Address soil source areas where constituent concentrations pose unacceptable risks for industrial site use, potential future construction or excavation worker exposure, and off-site residential use of groundwater.
- Continue the long term management of chemical use at the site.

Exposure prevention remedies will include a land-use restriction, an activity restriction, and an engineering control. The land will be restricted to industrial usage. Groundwater usage will be restricted both on-site and downgradient by using an administrative control measure adopted by the local authority (usually in the form of a groundwater use ordinance). Third, a Soil Management Plan will be recorded on the property deed requiring that pavement or capped areas remain in-place and maintained unless the Soil Management Plan is followed. There are indications in the IDEM VFC record that this management plan has been prepared but not recorded since corrective action is on-going.

As part of the RWP, the following activities were proposed for the four areas of concern identified on the Property.

Area 1 – Site-wide Groundwater Contamination

- Continue operation and maintenance of groundwater and free product recovery systems.
- Quarterly monitor groundwater quality to evaluate system effectiveness.
- Implement institutional controls to prohibit groundwater usage on-site.

Area 5 – Former USTs

- No active remedial measures are proposed. Sample screening activities (five samples) completed around three possible USTs around the power plant building during the VRP Site Investigation did not identify contaminant concentrations that warranted remediation (see Tier II Comparison Criteria Report provided in **Appendix G**).

- Confirmation closure sampling to confirm that soil remediation is not warranted. Weaver Boos believes that this sampling is planned once active remediation elsewhere has been completed.

Area 14 East – Former Painting and Degreasing Operation

- Install remedial system at Area 14 East to address primarily chlorinated VOCs in the soils and groundwater. The system can be described as a combination system (air sparging/soil vapor extraction/groundwater recirculation). In addition, an emulsified edible oil, was introduced in the groundwater to promote bioremediation. This system has been on-line in some form from 2003 to present. As of August 2011, only the SVE system was in operation. A portion of the remedial equipment is located on the Property, however, the remediation is occurring on the adjoining property to the west (see **Figure 4**). Groundwater contaminant concentrations in Area 14 – East have been reported to meet closure standards except at one monitoring well located on the Property.

Area 15 – Former Metal Stamping Operations

- Continue removal of free product beneath this area.
- Development of operation, maintenance, and monitoring plan for free product recovery system.
- No active soil remediation.

Weaver Boos has categorized these findings as a *recognized environmental condition* associated with the Property.

In 2004, groundwater monitoring reports showed that contaminant levels (chlorinated VOCs) were relatively stable on-site but increasing off-site beneath Kennedy Park located to the north. This trend continued through 2006. Due to these findings, two studies were implemented off-site including a soil vapor intrusion evaluation beneath eleven homes (soil gas samples collected in February and July 2011) located to the north of the Property and west of Kennedy Park (2011), and a bioremediation pilot test (2009) to determine if adding an emulsified edible oil or reactant to the groundwater will accelerated the natural attenuation of the chlorinated VOCs. Previously, the selected remedial option for the off-site groundwater contamination was monitored natural attenuation. The IDEM records on the VFC did not indicate the results of the pilot test. The results of the soil vapor intrusion evaluation did indicate detectable levels of chlorinated VOCs

in both the basement and first floor of some homes. Both evaluations concluded that the contaminants were not from soil vapor intrusion but from either ambient air or household activities that have occurred in the house. The IDEM review of the February 2011 sampling event concluded that no immediate concerns were present but the second sampling event completed in July 2011 was warranted. The IDEM review of the July 2011 sampling event was not available in the IDEM VFC.

4.2.3 St. Joseph County Health Department Records Review

Weaver Boos submitted a FOIA request to the St. Joseph County Health Department on October 28, 2011 for records associated with the Property.

According to an interview with a department representative, the Health Department has records of environmental information associated on the Property. This information is described in the previous section since most of the same information is also recorded at IDEM. The Health Department did state that Honeywell Industries, the VRP applicant for the Property and adjoining western and eastern properties, has proposed an administrative control across a large area bordered by Ardmore Street and Lincolnway West to the north and Linden Street to the south. Any water wells, potable or non-potable, will be prohibited in these area. If the control measure is adopted, it will minimize the probability of exposure to the impacted groundwater.

Copies of the St. Joseph County Health Department FOIA request and response are included in **Appendix E – Environmental Records and Interview Documentation.**

4.3 Physical Setting Sources

Weaver Boos obtained and reviewed published, *reasonably ascertainable* information concerning the physical setting of the Property. Weaver Boos obtained that information from the following sources:

- A topographic map prepared by USGS.
- Maps and publications prepared by the Indiana State Geological Survey (IGS).

The following is a summary of our review of those *physical setting sources*.

4.3.1 Topography

The purpose of the topographic map review is to evaluate the presence of physical structures and/or unique topographic conditions that would be of potential importance in the event of a release or migration of a hazardous material to or from the Property. Weaver Boos reviewed the

USGS 1986 South Bend West, 7.5-minute quadrangle topographic map showing the area in which the Property is located (see **Figure 1**). The USGS map shows that the Property is at an elevation of approximately 710 feet above msl and is relatively level.

Our review of the above-referenced map revealed no indications of obviously apparent conditions that would pose a potential environmental concern to the Property.

Additionally, based on our review of the topographic map, the area of the Property is gently slopes to the northeast. Since the groundwater flow generally mimics the surface topography, the estimated groundwater flow in the area of the Property would potentially be to the northeast toward the St. Joseph River located approximately 1.5 miles west of the Property. Subsequent environmental investigations that have been completed across the Property have confirmed the groundwater flow direction to the northeast.

4.3.2 Regional Subsurface Geology

The St. Joseph County Soil Survey indicated that the surficial soil in the area of the Property primarily consists of Gilford Sandy Loam. The Coloma series consists of deep, very poorly drained nearly level and depressional soils on outwash plains. They formed in sandy material that was deposited as glacial outwash, lacustrine sediment, or stream alluvium. The soils down to 5 feet are primarily sandy loam or sand.

The subsurface geology is primarily sand and gravel divided by an interbedded lens of clay that is present approximately 40 feet deep. The clay lenses can be non-continuous. A shallow aquifer is present at a depth of approximately 15-20 feet below the ground surface.

4.4 Historical Use Information

The objective in consulting historical sources is to develop a history of the previous uses or occupancies of the Property and surrounding area in an effort to identify those uses or occupancies that are likely to have resulted in the presence of a *recognized environmental condition* in connection with the Property.

According to ASTM E 1527-05, identifying prior uses of the Property is a two-tiered process. The first step is to evaluate uses of the Property from the present back to the year 1940 using *standard historical sources*. The second step involves assessing the uses of the Property prior to the year 1940, or until a time when the Property was not yet developed, again using *standard historical sources*. Weaver Boos requested and reviewed the following *standard historical sources* obtained from EDR:

- Sanborn Fire Insurance Maps, dated 1917, 1949, and 1980.
- Historical aerial photographs, dated 1951, 1967, 1975, 1977, 1980, 1987, 1992, 1998, 2005, 2006, and 2005.
- Historical USGS 7.5-minute quadrangle maps, dated 1958, 1969, 1980, and 1986.
- Historical city directories, dated 1929, 1934, 1944, 1949, 1955, 1960, 1965, 1970, 1975, 1980, 1985, 1990, 1995, 2000, 2006, and 2011.

Our review of *standard historical sources* obtained during this Phase I ESA is presented in the following sections. Copies of the historical records that we obtained are included in **Appendix H - Historical Records Documentation**. Additional historical information was obtained from various documents obtained and reviewed from the IDEM VFC.

4.4.1 *Historical Use Information on the Property*

In summary, our review of the historical records described in the following sections suggests that the Property was developed prior to 1919. According to various documents, the Property may have been occupied prior to 1919 by the Winkler-Grimm Wagon Company or it may have been vacant. In 1919 Vincent Bendix purchased the wagon business and began a series of businesses that included manufacturing fire engines, automotive braking systems, and aircraft parts. The Bendix Corporation (Bendix) constructed a vast manufacturing complex across the Property and the adjoining property to the east and west in the 1920s.

The Bendix Corporation was purchased by Allied Corporation in 1983 which later merged with the Signal Companies in 1985, forming Allied Signal in 1987. In December 1999, Allied Signal merged with Honeywell and the corporation became Honeywell International or simply Honeywell (the current Property owner). The Property was occupied by Honeywell's automotive sector (then Allied Signal) which manufactured brake and automotive components until 1986. This sector was called the Bendix Chassis and Brake Components Division.

Weaver Boos was unable to identify the first developed use of the Property based on the *reasonably ascertainable* information gathered from the *standard historical sources* that we reviewed. Weaver Boos identified this lack of information as a *data gap* (see **Section 9.0**).

4.4.1.1 Sanborn Fire Insurance Maps

Weaver Boos obtained and reviewed Sanborn Fire Insurance Maps provided from EDR to document historical site usage.

Sanborn Fire Insurance Maps	
Date	Observations
1917	The eastern portion of the Property was occupied by Winkler-Grimm Corporation, a manufacturer of delivery wagons. To the east of the facility was a street named North Anthony. North of the facility are chicken houses and a lumber shed.
1949	The Property is occupied by a complex of adjoining buildings labeled as Plant No. 1 of the Bendix Aviation Corporation. The facility boiler house (identified as Plant No. 8) and tank house (supported a water tank) is located at the southeast corner of the Property. Plant No. 1 extends off-site to the west and east. The building contains an employment service department and a paint spraying room. North of the Property is Bertrand Street. South of the Property are railroad tracks.
1980	This map is similar to the previous 1949 Sanborn Fire Insurance Map.

4.4.1.2 Historical Aerial Photographs

Weaver Boos reviewed historical *aerial photographs* provided from EDR. The following table summarizes the findings of our review of those photographs with respect to the Property and adjoining properties:

AERIAL PHOTOGRAPHS	
Date	Observations
1951	From west to east, the Property is occupied by a large manufacturing building which extends off-site to the west and east. The power plant building is visually indicated on the aerial photograph. Bldg 501 is not present. To the north of the Property is a park. To the south of the Property is a railroad and open land with visual indications of earthwork activities.
1967, 1975, 1977, 1980, 1987, 1992, and 1998	The Property is similar to the 1951 aerial photograph with the following exceptions. There is a large aboveground tank located to the south of the Property and railroad tracks. Building 501 is first visually indicated on the 1980 aerial photograph.
2005, 2006, and 2007	The main manufacturing building that was located on the Property that previously extended off-site to the east and west has been demolished although there are indications that the floor slab remains. The power plant building is also visually indicated. No other changes were noted.

Our review of the *aerial photographs* revealed no indications of any obviously apparent conditions that would pose a potential environmental concern to the Property.

4.4.1.3 Historical USGS Topographic Maps

Weaver Boos reviewed historical USGS topographic maps provided by an in house selection. The following table summarizes the findings of our review with respect to the Property and adjoining properties:

HISTORICAL TOPOGRAPHIC MAPS		
Map Name and Size	Date	Observations
South Bend West, 1:24000	1958, 1969, 1980, and 1986	The Property is occupied by a large manufacturing building that extends off-site to the west and east.

Copies of the historical USGS topographic maps reviewed are included in **Appendix F - Historical Records Documentation**.

Our review of the historical USGS topographic maps of the Property revealed no indications of any apparent conditions that would pose a potential environmental concern to the Property.

4.4.2 *Historical City Directories*

Weaver Boos reviewed historical city directories provided by EDR. The city directories listed the following entities were located at 401. N. Bendix Drive which may include the Property or the adjoining property located to the east.

2011 – Robert Bosch Braking Systems (brake mfrs.)

2006 – Robert Bosch Corp. (brake lining mfrs.)

2000 – Robert Bosch Corp. (brake lining mfrs)

1995 – Allied Signal Inc.

1990 – Allied Signal, Inc. (Bendix Auto Sys N. Am)

1985 – Allied Corporation

1980 – Bendix Corp (brake & steering div.) (corp. office), Bendix Corp. Automotive Control System Group

1975 – Bendix Corp (brake & steering div) (corp office)

1970 – Bendix Corp (brake & steering div) (corp. office), Bendix Corp. Automotive and Automation CO

1965 – Bendix Corp.

1960, 1955, 1949, 1944 – Bendix Products (Division of Bendix Aviation Corp.)

1934 – Bendix Aviation Corp., Bendix Brake Co., Bendix Cowdrey Brake Tester, Inc., Bendix Products Corp., Bendix Research Corp., Bendix Stromberg Carburetor Co. and Bragg-Klierath Co.

1929 – Bendix Brake Co.

The city directories listed the following entities were located at 717. N. Bendix Drive which may include the Property or the adjoining property to the west.

2011 – Honeywell Controls & Access (aerospace industries)

2006 – Honeywell Controls & Access (aerospace industries)

2000 – Honeywell Controls & Access (aerospace industries)

1995 – Allied Signal Aerospace, Inc.

1990 – Allied Signal, Inc. (Engine Controls Division)

1985 – Allied Corporation (Bendix energy controls div)

1980 – Bendix Corp (energy controls div aerospace propulsion controls)

1975 – Bendix Corp (energy controls div) auto accessories

1970 – Bendix Corp (energy controls div)

1965 – Bendix Products Division of Bendix Aviation Corp.

4.4.3 Historical Use Information on Adjoining Properties

Based upon our review of the aforementioned historical records, the adjoining properties appears to have been first developed for prior to 1917. Historical usage includes agricultural and later industrial/manufacturing.

5.0 SITE RECONNAISSANCE

Weaver Boos representative Mr. Edward B. Stefanek conducted the *site reconnaissance* on November 9, 2011. During the *site reconnaissance*, weather conditions were cloudy with light precipitation and a temperature of approximately 50 degrees Fahrenheit. Accompanying Mr. Stefanek during the *site reconnaissance* on November 9, 2011 were security personnel from Honeywell. The following sections summarize our observations during the *site reconnaissance*.

5.1 Methodology and Limiting Conditions

Weaver Boos' *site reconnaissance* methods included a *site visit* to *visually and/or physically observe* reasonably accessible locations of the Property in an effort to obtain information indicating the likelihood of identifying *recognized environmental conditions* in connection with the Property. Mr. Stefanek traversed the exterior of the Property by foot to observe conditions during the *site reconnaissance*. Photographs taken to document conditions encountered at the time of the *site reconnaissance* are presented in **Appendix C – Photographic Documentation**. Additionally, general conditions are noted on **Figures 2, 4, and 5**. Weaver Boos also *visually and/or physically observed* adjoining properties from reasonably accessible locations on the Property and public thoroughfares. Limiting conditions encountered at the Property during the *site reconnaissance* are included in **Section 1.5**. Prior to the *site reconnaissance* the *key site manager* completed an environmental questionnaire. A copy of the questionnaire is provided in **Appendix E – Environmental Records and Interview Documentation**.

5.2 General Site Setting and Observations

Please refer to **Section 2.0** of this *report* for a description of the general site setting, adjoining public thoroughfares, utilities, and potable water supply and **Section 4.3** for a description of topographic and geologic/hydrogeologic conditions with respect to the Property.

Please refer to **Section 2.5** for a summary *adjoining properties* occupants and uses identified during our *site reconnaissance*.

The following sections summarize Weaver Boos' *site reconnaissance* observations.

5.3 Interior and Exterior Observations

5.3.1 Hazardous Substances and Petroleum Products in Connection with Identified Uses

No hazardous substances and petroleum products were identified outside the power plant building or within Building 501 with the following exceptions. A 500-gallon aboveground storage tank was observed on the Property in connection with the active free product recovery

system located on-site. The tank reportedly contained chlorinated free product recovered from the water table. The tank was in satisfactory condition with no visual indications of leakage. Two canisters of activated carbon were also identified near a second remediation unit. This material reportedly treats contaminated soil vapor being extracted from the subsurface located on the eastern adjoining property.

Inside the power plant building, Weaver Boos identified two 55-gallon drums of unknown material within the power plant building. Other containers may be present. Access inside the building was limited due to damaged asbestos and deteriorated building conditions.

Weaver Boos did not observe any conditions associated with these substances that could be categorized as a *recognized environmental condition* associated with the Property.

5.3.2 *Storage Tanks*

5.3.2.1 Underground Storage Tanks (USTs)

Weaver Boos observed apparent surficial indications of USTs (e.g., fill pipes, vent lines, or manways) on the Property during the *site visit*. Possible fill ports filled with cement were identified on the ground surface near the southeast corner of the power plant building. Reportedly tanks in this general vicinity were closed in-place.

Additional USTs may exist (as described in **Section 4.0**) or have existed on the Property. Weaver Boos has identified this finding as a *recognized environmental condition* associated with the Property.

5.3.2.2 Aboveground Storage Tanks (ASTs)

Weaver Boos observed no apparent ASTs on the Property during the *site visit* except for the following.

Numerous aboveground storage tanks and empty vats were identified inside the power plant building. Outside the main building is a large empty water tank. Based on tank identification, there are indications that the tanks inside the building were either used to store water treatment chemicals or as process tanks when the boilers were on-line

5.3.3 *Odors*

No apparent unusual odors were noted on the Property during the *site visit*.

5.3.4 *Pools of Liquid*

No apparent pools of liquid were observed on the Property during the *site visit*.

5.3.5 Pits, Ponds, and Lagoons

No obviously apparent pits, ponds and lagoons were observed on the Property or *adjoining properties* during the *site reconnaissance* with the following exceptions.

1. Beneath the Property are two tunnels leading from the power plant building. These tunnels were used to transport steam to various areas of Plant 1. Weaver Boos did observe the tunnels within the basement beneath the power plant building. Adjacent to the power plant building is a possible access area to the tunnel that is covered with a steel/iron cover.
2. Beneath the northeast corner of the Property is a subsurface remediation system used to remove chlorinated VOCs from the soil (see **Section 4.2.2**). The location of the unit is shown in **Figure 3**. The unit extends off-site to the east. Surrounding the remediation system are several monitoring wells and extraction/recovery wells including the free product recovery system located to the west (see **Figure 3**).
3. There are visual indications of filled-in machine pits across the concrete slab associated with the building that was demolished in 1998. The pits were associated with historical metal stamping operations. These activities have been identified as an area of concern (Area 15) which is being addressed by Honeywell in the Indiana VRP.

5.3.6 Drums

Weaver Boos identified surficial indications of drums (*this includes containers as small as 5 gallons according to ASTM E1527-05*) on the Property during the *site visit*. The drums were in deteriorated condition but no leakage was indicated. For more details, refer to **Section 5.3.1**.

Therefore, Weaver Boos does not consider these a *recognized environmental condition* in connection with the Property.

5.3.7 Hazardous Substance or Petroleum Product Containers

Weaver Boos observed apparent *hazardous substance* or *petroleum product* containers during the *site visit*. For more details, refer to **Section 5.3.1**.

5.3.8 Unidentified Substances Containers

No apparent unidentified substance containers were observed on the Property during the *site visit* with the exception of the drums identified within the Power Plant building. For more details, refer to **Section 5.3.1**.

5.3.9 Polychlorinated Biphenyls (PCBs)

Although a detailed review of all suspected PCB-containing equipment is beyond the scope of this Phase I ESA, Weaver Boos conducted a limited evaluation of the Property in an effort to identify the presence and condition of electrical or hydraulic equipment that is known to or is likely to contain PCBs in insulating or lubricating materials which may be an environmental concern. PCB-containing equipment and any of its leaked material that may have impacted the Property could be subject to certain regulatory requirements, such as the Federal Toxic Substances Control Act (TSCA), in addition to being identified as a potential *recognized environmental condition* for the Property.

No electrical transformers were identified on the Property. However, Weaver Boos believes that transformers were formerly adjacent to an electrical switch/relay station located within the power plant building. These transformers may have contained PCB-containing materials. Although Weaver Boos did review past soil assessments that were completed to characterize PCB-impacts beneath transformer pads associated with Plant #1, these locations were not associated with the power plant building.

Based on the above-discussed information, Weaver Boos does identify the presence of this transformer area as a *recognized environmental condition*.

5.3.10 Stains or Corrosion

No apparent stains or corrosion related to a petroleum or chemical release was observed during the *site visit*.

5.3.11 Drains and Sumps,

Several drains or *sumps* were observed in the first floor and basement beneath the power plant building.

5.3.12 Stained Soil or Pavement

No apparent stained soil or pavement was observed on the Property during the *site visit*.

5.3.13 Stressed Vegetation

No apparent stressed vegetation was observed on the Property during the *site visit*.

5.3.14 Solid Waste

No apparent surficial or buried material such as trash, *construction debris*, *demolition debris*, or other solid waste was observed on the Property during the *site visit* with the following exceptions.

A considerable amount of debris was identified inside the power plant building. The debris consisted of damaged asbestos insulation and various building materials typically of a building that was a dilapidated condition due to non use and roof damage.

5.3.15 Waste Water, Wells, Septic Systems.

No apparent wells (*this includes dry wells, injection wells, irrigation wells, abandoned wells, or other wells*) and septic systems or other sources of wastewater were observed on the Property during the *site visit* with the following exceptions.

Weaver Boos identified multiple environmental monitoring and recovery wells across the Property as denoted on **Figure 7**. According to environmental records obtained from the IDEM VFC, corrective action is on-going beneath the Property including quarterly groundwater monitoring and remedial action by Honeywell. Honeywell is the assumed responsible party. Details regarding the environmental activities have been described elsewhere in this report.

According to the *key site manager* he is not aware of any production wells on-site. However, based on the historical vintage and usage of the power plant building, it is possible that an abandoned production well(s) is present. A tank house (minus the water tank) adjoins the main power plant building to the west.

6.0 INTERVIEWS

Weaver Boos representative Mr. Edward B. Stefanek conducted *interviews* of select individuals possessing knowledge of the current and past Property uses in an effort to obtain information concerning the potential presence of *recognized environmental conditions*. Such individuals consist of persons or local agency officials that may have records or knowledge of events or conditions that are not evident during the *site reconnaissance* or records review.

6.1 Interview with Owner

Weaver Boos did interview a representative of the Property Owner, Honeywell International or Honeywell. Mr Eric Kloss of Honeywell International was interviewed.

6.2 Interview with Key Site Manager

Weaver Boos interviewed Mr. Eric Kloss as the *key site manager* of the Property, concerning the current and past use of the Property and the facility operations. Mr. Kloss's responses are provided throughout this report.

6.3 Interviews with Occupants

The Property was not occupied.

6.4 Interviews with Past Owner, Operators, and Occupants

Based on information obtained from other sources as summarized in this *report*, Weaver Boos believes that an interview with the past owners would be duplicative of information already obtained and would not provide additional material information concerning the potential for contamination at the Property. Therefore, past owners were not interviewed as part of this Phase I ESA.

6.5 Interviews with Adjoining Property Owners or Occupants

The Property is not abandoned therefore the ASTM E 1527-05 does not require *interviews* of the adjoining Property *owners* or *occupants*. However, Weaver Boos did interview Mr. Mark Walker, Senior Environmental Leader, Health and Safety, from the Robert Bosch Corporation, occupant of the adjoining property to the east, concerning the current and past use of the Property. Mr. Walker's responses are provided throughout this report

6.6 Interviews with Local Government Officials

Weaver Boos contacted the following federal, state, and local government agencies as discussed in **Section 4.2** during the Phase I ESA requesting environmental information associated with the Property:

- St. Joseph County Assessor Office;
- South Bend Fire and Building Department;
- Indiana Department of Environmental Management; and
- St. Joseph County Health Department.

Weaver Boos submitted FOIA requests to or contacted the above-mentioned government agencies. Copies of each FOIA request and the responses, if applicable, received to date are included in **Appendix E – Environmental Records and Interview Documentation**.

6.7 Interviews with Others

Weaver Boos did not interview any others beyond those parties described in this *report*.

7.0 ADDITIONAL SERVICES

7.1 Asbestos Survey

Included as part of the Phase I ESA scope was a Pre-Demolition NESHAP Asbestos Survey of the power plant facility and the portion of Bldg 501 that extends onto the Property. The survey was completed by Amereco Engineering, a subcontractor to Weaver Boos. Copies of the final reports prepared by Amereco Engineering are provided in **Appendix I**.

The results of the survey indicated significant amounts of both friable and nonfriable asbestos-containing materials (ACM) throughout the power plant facility, detached baghouse, and likely within the tunnels that extend outward from the facility in an east and west direction. General material identified include pipe insulation and fittings, gasketing, window glazing, electrical insulating blocks, mag block insulation, boiler and tank insulation, transite siding, floor tile, ground debris, and roof (assumed). Approximately 1150 square feet of nonfriable asbestos (floor tile and roof) was identified in Bldg 501. Weaver Boos understands that these buildings may be demolished as part of a potential redevelopment project, therefore the ACM will require removal prior to demolition. An estimated cost to completely remove and disposal all regulated ACM prior to demolition from the power plant facility is \$ 546,500 and from Bldg. 501 is \$ 1,800.

8.0 FINDINGS

Weaver Boos has performed this Phase I ESA, in general compliance with the scope and limitations of ASTM E 1527-05. Exceptions to or deletions from this practice are described in **Section 1.5** and **Section 11.0** of this *report*.

Any known or suspect environmental conditions associated with the Property may be separated into the following three categories: *recognized environmental conditions* (REC), *historical recognized environmental conditions* (HREC), and *de minimis* issues. Based on the information contained in this report, this Phase I ESA has revealed no evidence of *historical recognized environmental conditions* or *recognized environmental conditions* (RECs) in connection with the Property with the following exceptions.

- REC-1 The presence or former presence of multiple underground storage tanks (USTs) around the southern and eastern perimeter of the former power plant building. There are indications that at least three tanks were closed in place (filled with cement or sand). Weaver Boos did identify only limited assessment activities near the USTs as part of a past IDEM Voluntary Remediation Program (VRP) Site Investigation. According to results of a VRP Site Investigation, chlorinated solvents were detected in the soil surrounding one or more of the tanks but at concentrations that were below IDEM closure standards. No active remediation is planned for this REC under the VRP.
- REC-2 and REC-3 The Property and adjoining properties to the west (occupied by Honeywell Industries) and to the east (occupied by Bosch Corporation) have been enrolled in the Indiana VRP due to identified soil and groundwater impacts associated with historical land use within the footprint of Plant #1. Various source areas or areas of concern have been identified on the Property including Area 14 East – Former Painting and Degreasing Operations (REC-2) and Area 15 Former Metal Stamping Operations (REC-3). Contaminants of concern are primarily chlorinated hydrocarbons but also include phenols, cyanide, dissolved chromium, lead, and nickel. Free product was identified in the vicinity of Area 15, which is being actively recovered. Two remediation units were identified on the Property. The first unit is actively recovering free product within the vicinity of Area 15. The second unit (soil vapor extraction system) is associated with a portion of Area-14 East which is located east of the Property. No additional active remediation measures are proposed for these two RECs. Groundwater is monitored site-wide via a network of both on and off-site monitoring wells on a

quarterly basis. Contaminated groundwater on-site is contained via a series of extraction wells which discharges contaminated groundwater into the municipal sewer system under an industrial discharge permit.

- REC-4 A transformer room may have been located adjacent to the exterior of the power plant building. The transformers have been removed. According to documentation reviewed by Weaver Boos, there are indications that a soil assessment has not been completed as part of the removal of the transformers or as part of a past IDEM Voluntary Remediation Program (VRP) Site Investigation.
- REC-5 Upgradient sources including a 50,000 gallon aboveground fuel storage tank and a former dump, both located south of the Norfolk Southern Railroad, and possibly the western adjoining property which is part of the current VRP efforts being implemented by Honeywell.

Weaver Boos did not identify any *de minimis conditions* associated with the Property.

9.0 OPINION

Weaver Boos has identified any known or suspected environmental conditions associated with the Property that meets the definition of a *recognized environmental condition*, a *historical recognized environmental condition*, or a *de minimis issue*. As a result, the following opinion is provided associated with each condition identified.

- REC-1 The presence or former presence of multiple underground storage tanks (USTs) around the southern and eastern perimeter of the former power plant building.
- REC-2 and REC-3 The Property and adjoining properties to the west (occupied by Honeywell Industries) and to the east (occupied by Bosch Corporation) have been enrolled in the Indiana VRP due to identified soil and groundwater impacts associated with historical land use within the footprint of Plant #1. Various source areas or areas of concern have been identified on the Property including Area 14 East – Former Painting and Degreasing Operations (REC-2) and Area 15 Former Metal Stamping Operations (REC-3). Contaminants of concern are primarily chlorinated hydrocarbons but also include phenols, cyanide, dissolved chromium, lead, and nickel.
- REC-4 A transformer room may have been located adjacent to the exterior of the power plant building. The transformers, which may have contained PCBs, have been removed. According to documentation reviewed by Weaver Boos, there are indications that a soil assessment has not been completed as part of the removal of the transformers or as part of a past IDEM Voluntary Remediation Program (VRP) Site Investigation.
- REC-5 Upgradient contaminant sources including a 50,000 gallon aboveground fuel storage tank and a former dump, both located south of the Norfolk Southern Railroad, and possibly the western adjoining property which is part of the current VRP efforts being implemented by Honeywell.

With the exception of REC-4, Weaver Boos does not recommend additional assessment activity (including soil/groundwater sampling) to determine subsurface conditions adjacent to those RECs that have been assessed in the past as part of the on-going VRP activities.

However, Weaver Boos understands the Property maybe redeveloped which will include the demolition of all structures and excavation for new construction. Any excavation activities should take into account the following factors:

- The presence and subsequent removal of underground storage tanks encountered during construction.

Weaver Boos suggests completing a geophysical survey across Property to identify potential UST locations. Documentation reviewed as part of this Phase I ESA indicates that at least three USTs are present. These tanks were closed in-place, primarily near the perimeter of the power plant building, however, historical documentation suggests that additional USTs could be present. Additional sampling may be required upon removal of the USTs.

- The presence and removal of contaminated subsurface soil encountered during construction.

Weaver Boos suggests completing soil assessment activity within perimeter of proposed construction areas that will require excavation (buildings, buried utilities, etc.) to quantify extent of contaminated soil requiring removal and disposal.

In addition, Weaver Boos suggests preparing and completing a Soil Management Plan for submittal to IDEM and the current VRP responsible party (Honeywell) prior to construction. Weaver Boos understands that a Soil Management Plan may have already been prepared by Honeywell for future construction projects and submitted to IDEM for approval, but the key site manager could not provide a copy to Weaver Boos nor did Weaver Boos indentify a copy in the IDEM public record. The Soil Management Plant would minimize exposure to soil during and after construction.

- Potential soil vapor intrusion into any new building

Weaver Boos suggests completing a soil vapor intrusion evaluation within the perimeter of the proposed construction or the new construction incorporate remedial measures to abate potential soil vapor intrusion from the contamination.

- Continued presence of the remediation units and monitoring wells (which may necessitate relocation)

Weaver Boos suggests identifying possible alternatives and procedures should the current remediation measures obstruct any proposed construction including the abandonment and/or relocation of monitoring or remediation systems.

- Subsequent efforts by the Property owner to obtain closure in the VRP including closure soil and groundwater sampling on-site by consultants contracted by the Property owner.

Weaver Boos suggests preparing a confirmatory sampling plan to confirm that all remedial measures have been completed. This plan would include additional soil and/or groundwater sampling to be conducted by the VRP applicant (Honeywell) and include possible sample locations.

- The presence and removal of numerous machine pits encountered during construction. These pits were used during the metal stamping process and located across the western half of the Property within the former footprint of Plant #1. There are visual indications that these pits have been filled-in.

The removal of these pits for structural purposes may need to be considered during the site development project. Additional soil sampling may be required upon the removal of the pits.

10.0 DATA GAPS

ASTM E 1527-05 defines a *data gap* as lack of or inability to obtain information required by the practice despite *good faith* efforts by the *environmental professional* to gather such information.

Weaver Boos was unable to identify the first developed use of the Property based on the *reasonable ascertainable* information gathered from *standard historical sources*. Therefore, this *data gap* is considered a *data failure*. Based on *reasonably ascertainable* existing historical records for the Property, Weaver Boos believes that this *data gap* would not be significant in our assessment of whether *recognized environmental conditions* exist on the Property.

Weaver Boos was unable to obtain copies of IDEM VRP Site Investigation for the Property and adjoining properties to the east and west. Weaver Boos searched both the IDEM VFC, requested copies from Honeywell Industries, and requested a copy from IDEM via telephone. There are numerous references to and summarizations of the report in other documents obtained by Weaver Boos from IDEM. Based on that information, Weaver Boos does not believe that this *data gap* would not be significant in our assessment of whether *recognized environmental conditions* exist on the Property.

11.0 CONCLUSIONS

Weaver Boos has performed this Phase I ESA, in general compliance with the scope and limitations of ASTM E 1527 of 711 N. Bendix Drive in South Bend, Indiana, the Property. Exceptions to, or deletions from, this practice are described in **Section 1.5** and **11.0** of this *report*. This assessment has revealed no evidence of *recognized environmental conditions* in connection with the Property with the following exceptions:

- REC-1 The presence or former presence of multiple underground storage tanks (USTs) around the southern and eastern perimeter of the former power plant building.
- REC-2 and REC-3 The Property and adjoining properties to the west (occupied by Honeywell Industries) and to the east (occupied by Bosch Corporation) have been enrolled in the Indiana VRP due to identified soil and groundwater impacts associated with historical land use. Various source areas or areas of concern have been identified on the Property including Area 14 East – Former Painting and Degreasing Operations (REC-2) and Area 15 Former Metal Stamping Operations (REC-3). Contaminants of concern are primarily chlorinated hydrocarbons but also include phenols, cyanide, dissolved chromium, lead, and nickel. Free product was identified in the vicinity of Area 15, which is being actively recovered.
- REC-4 Former transformer room located adjacent to the exterior of the power plant building. The transformers have been removed.
- REC-5 Upgradient sources including a 50,000 gallon aboveground fuel storage tank and a former dump, both located south of the Norfolk Southern Railroad, and possibly the western adjoining property which is part of the current VRP efforts being implemented by Honeywell.

Based on the current site conditions, Weaver Boos has categorized these *historical recognized environmental conditions* as current *recognized environmental conditions* due to the documented soil and groundwater impacts beneath the Property.

Weaver Boos did not identify an *de minimis conditions* associated with the Property with the exception of an occasional area of stained concrete in the garage area of Building 101 that was not adjacent to any floor drain.

12.0 DEVIATIONS


Deletions and deviations from ASTM E 1527-05 during this Phase I ESA are described in **Section 1.5** of this *report*.

13.0 REFERENCES

1. American Society for Testing Materials (ASTM) Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (ASTM E 1527-05).
2. *Area 14 East System Operation Report, Period August 7, 2010 through February 11, 2011*, prepared by Mactec Engineering & Consulting, Inc. for Honeywell, dated April 29, 2011
3. *Environmental Remediation Agreement, License and Easement between Honeywell Industries and Robert Bosch Corporation*, recorded September 18, 2000, as Document #0044132 in the Office of Recorder of St. Joseph County, Indiana.
4. Michiana Regional Geographic Information System, <http://www.macoggis.com>
5. NESHAP Asbestos Survey, Former Bendix Powerhouse, Amereco Engineering, dated December 30, 2011.
6. NESHAP Asbestos Survey, Building 501, Amereco Engineering, dated December 30, 2011.
7. *Online Soil Survey of St. Joseph County, Indiana*, <http://websoilsurvey.nrcs.usda.gov>
8. Portage Township Assessor's Office.
9. *Remediation Work Plan, Honeywell Industrial Complex, South Bend, Indiana*, prepared by Harding Lawson Associates for Honeywell, dated April 2001.
10. South Bend Fire Department.
11. *Tier II Criteria Comparison Voluntary Site Investigation, Honeywell Industrial Complex, South Bend, Indiana* prepared by Harding Lawson Associates, for Honeywell International, dated January 2000.\
12. *2010 Annual Groundwater Monitoring Report*, prepared by Mactec Engineering & Consulting, Inc. for Honeywell, dated March 2011.
13. Multiple Environmental Documents as provided in **Appendices F and G**.

14.0 SIGNATURE OF ENVIRONMENTAL PROFESSIONAL


“I declare that I have completed this Phase I ESA under the direct supervision of an *environmental professional*” (see below).


Edward B. Stefanek
Senior Project Manager

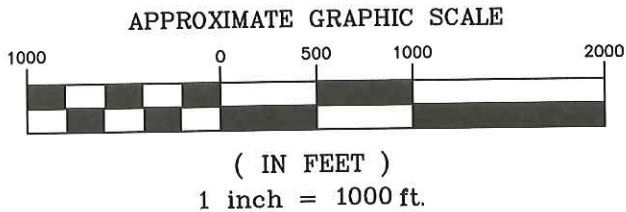
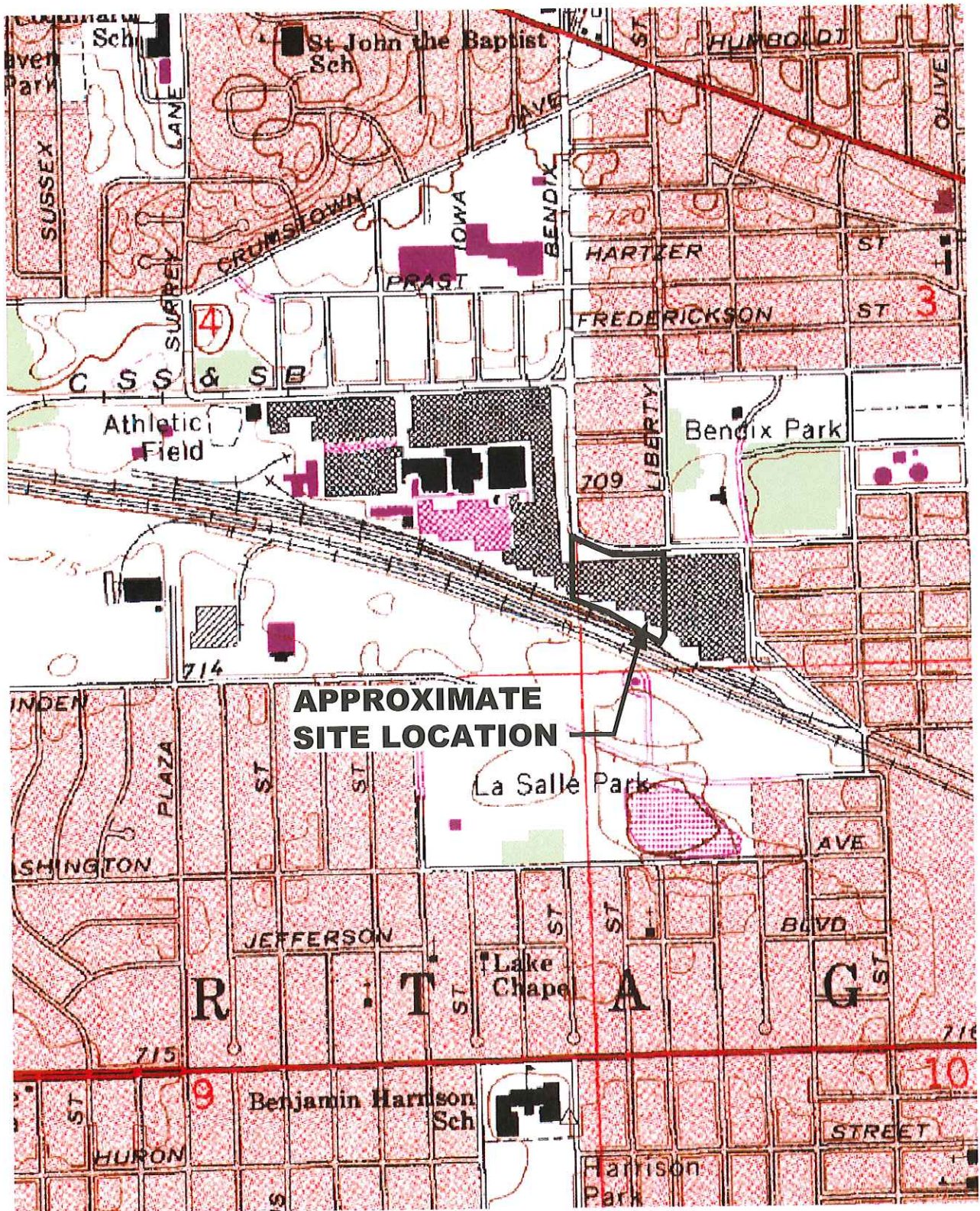
“I, declare that, to the best of my professional knowledge and belief, I meet the definition of *environmental professional* as defined in §312.10 of 40 CFR 312” and

“I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.”

This Phase I ESA was performed by, or under direct supervision of, the undersigned *environmental professional*. Resumes are included in **Appendix I - Personnel Qualifications**.


Steven M. Stanford, LPG
Senior Project Manager

FIGURES

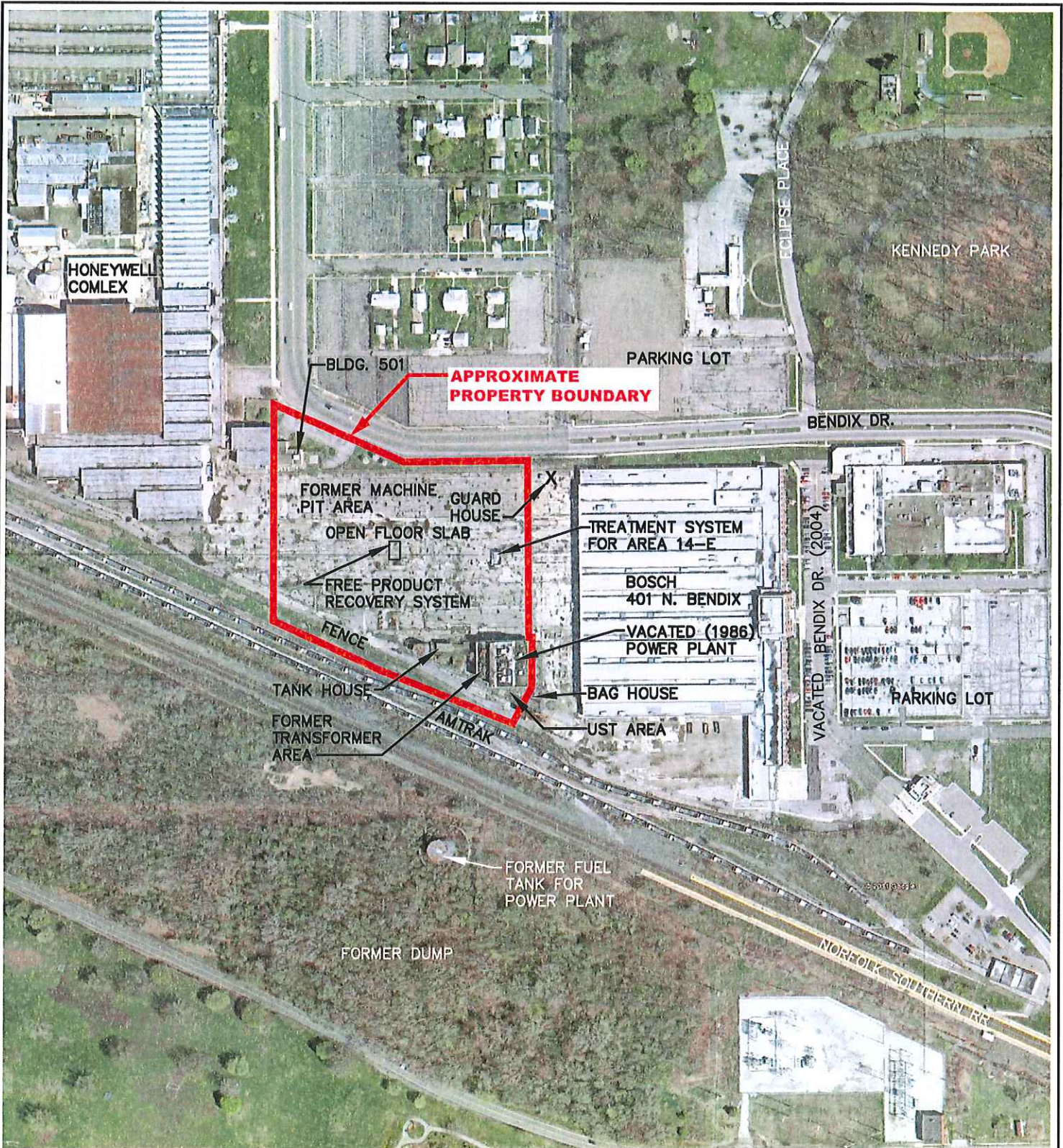


SITE LOCATION MAP

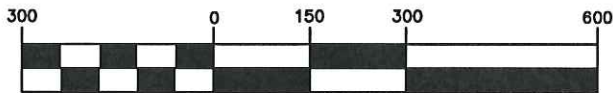
HONEYWELL AEROSPACE COMPLEX
711 N. BENDIX DR.
SOUTH BEND, IN

Weaver Boos Consultants
4085 MEGHAN BEELER COURT
SOUTH BEND, IN 46628
(574) 271-3447

DRAWN BY: RMD	DATE: 1/26/2012	FILE: 1380-352-19
REVIEWED BY: ES	CAD: SITELOC.DWG	



APPROXIMATE GRAPHIC SCALE



(IN FEET)
1 inch = 300 ft.



SITE LAYOUT

**HONEYWELL AEROSPACE COMPLEX
711 N. BENDIX DR.
SOUTH BEND, IN**

Weaver Boos Consultants

4085 MEGHAN BEELER COURT
SOUTH BEND, IN 46828
(574) 271-3447

DRAWN BY: RMD

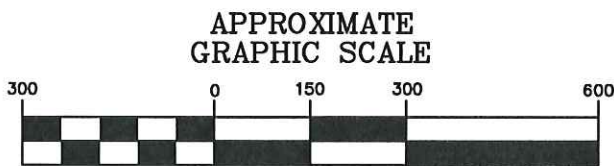
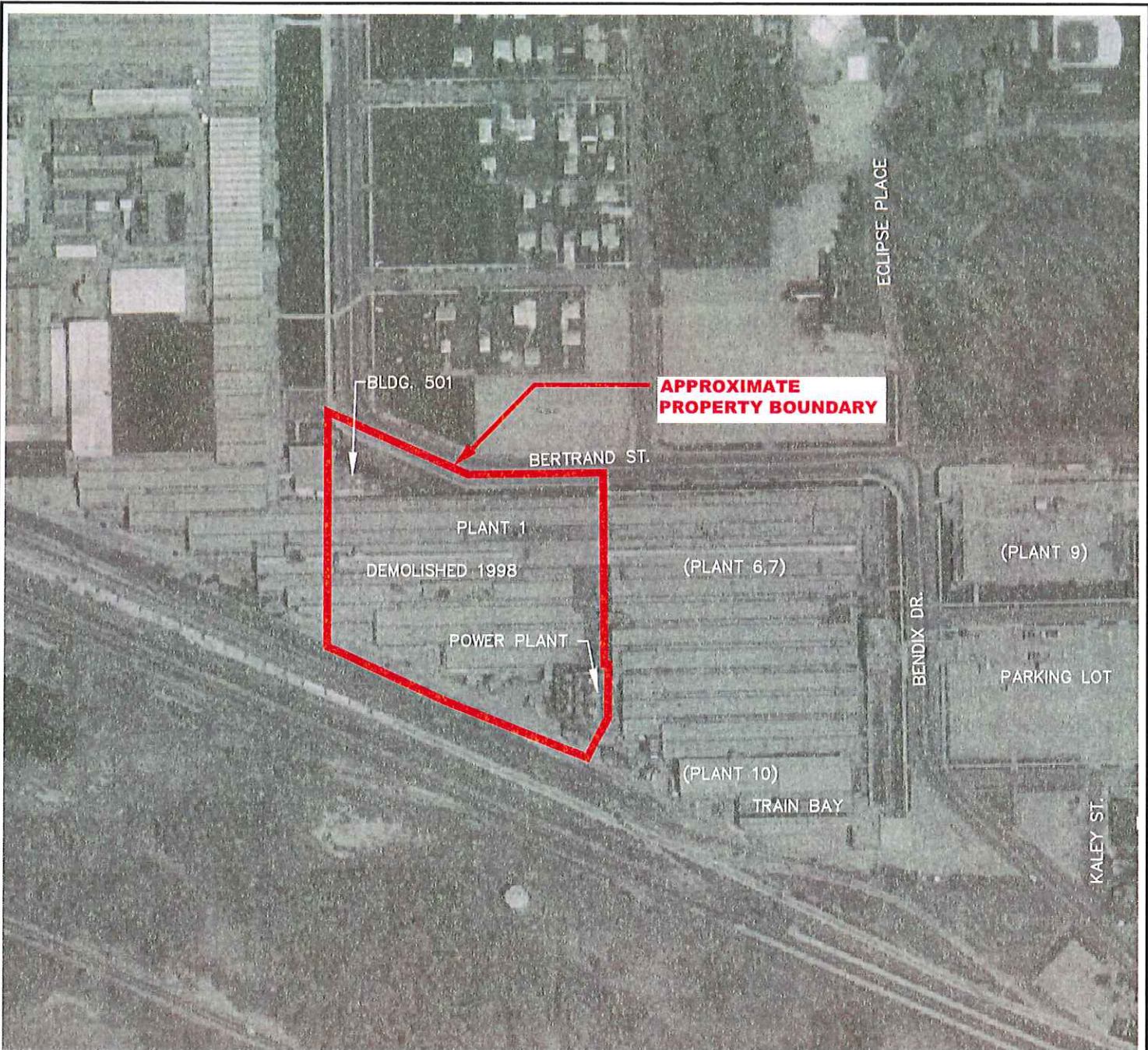
DATE: 1/26/2012

FILE: 1380-352-19

REVIEWED BY: ES

CAD: SITELOC.DWG

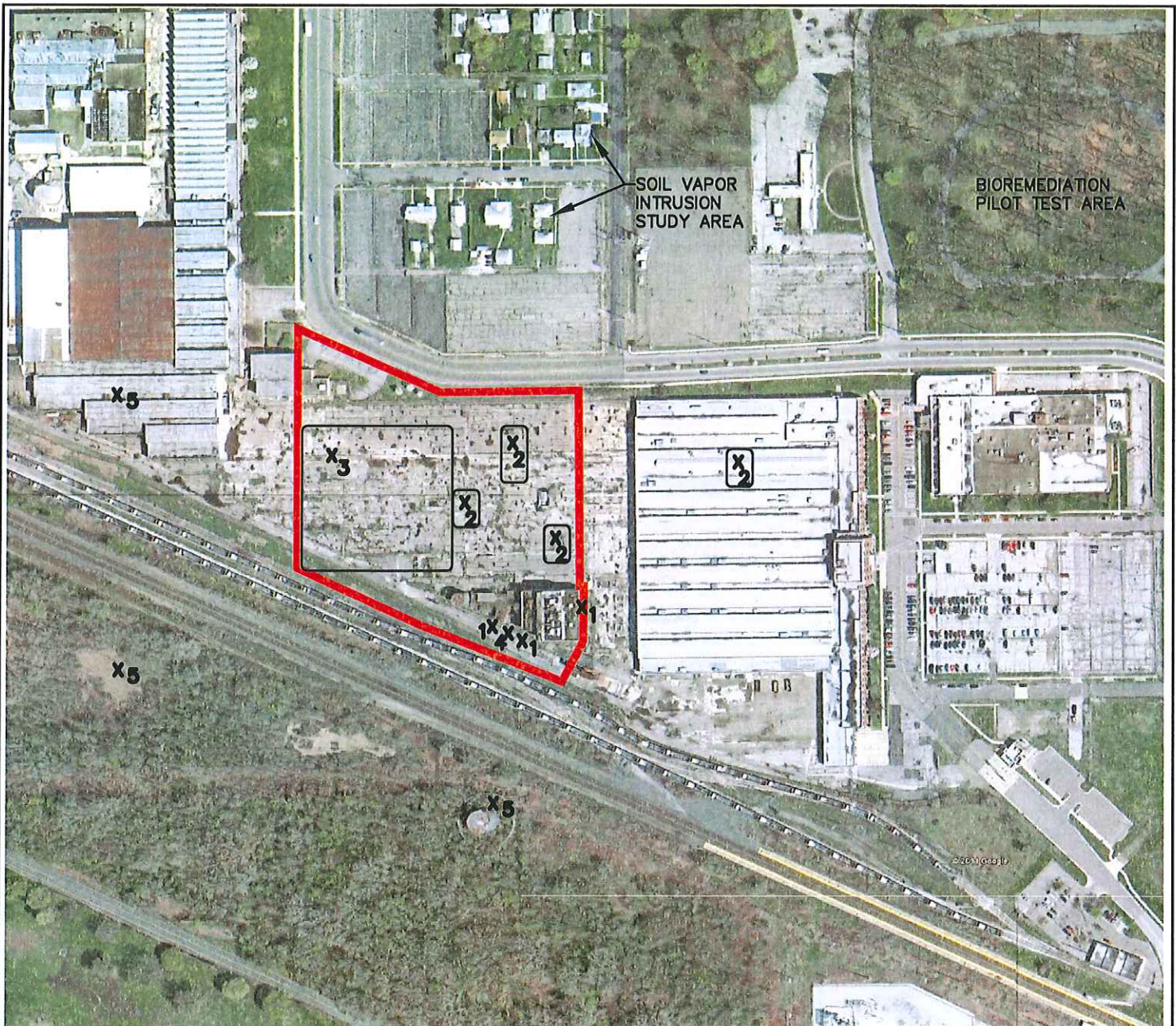
FIGURE 2



(IN FEET)
1 inch = 300 ft.

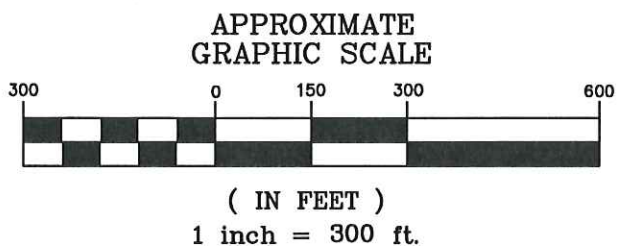


SITE LAYOUT 1998 AERIAL HONEYWELL AEROSPACE COMPLEX 711 N. BENDIX DR. SOUTH BEND, IN		
Weaver Boos Consultants 4085 MEGHAN BEELER COURT SOUTH BEND, IN 46828 (574) 271-3447		
DRAWN BY: RMD	DATE: 1/28/2012	FILE: 1380-352-19
REVIEWED BY: ES	CAD: SITELOC.DWG	FIGURE 3

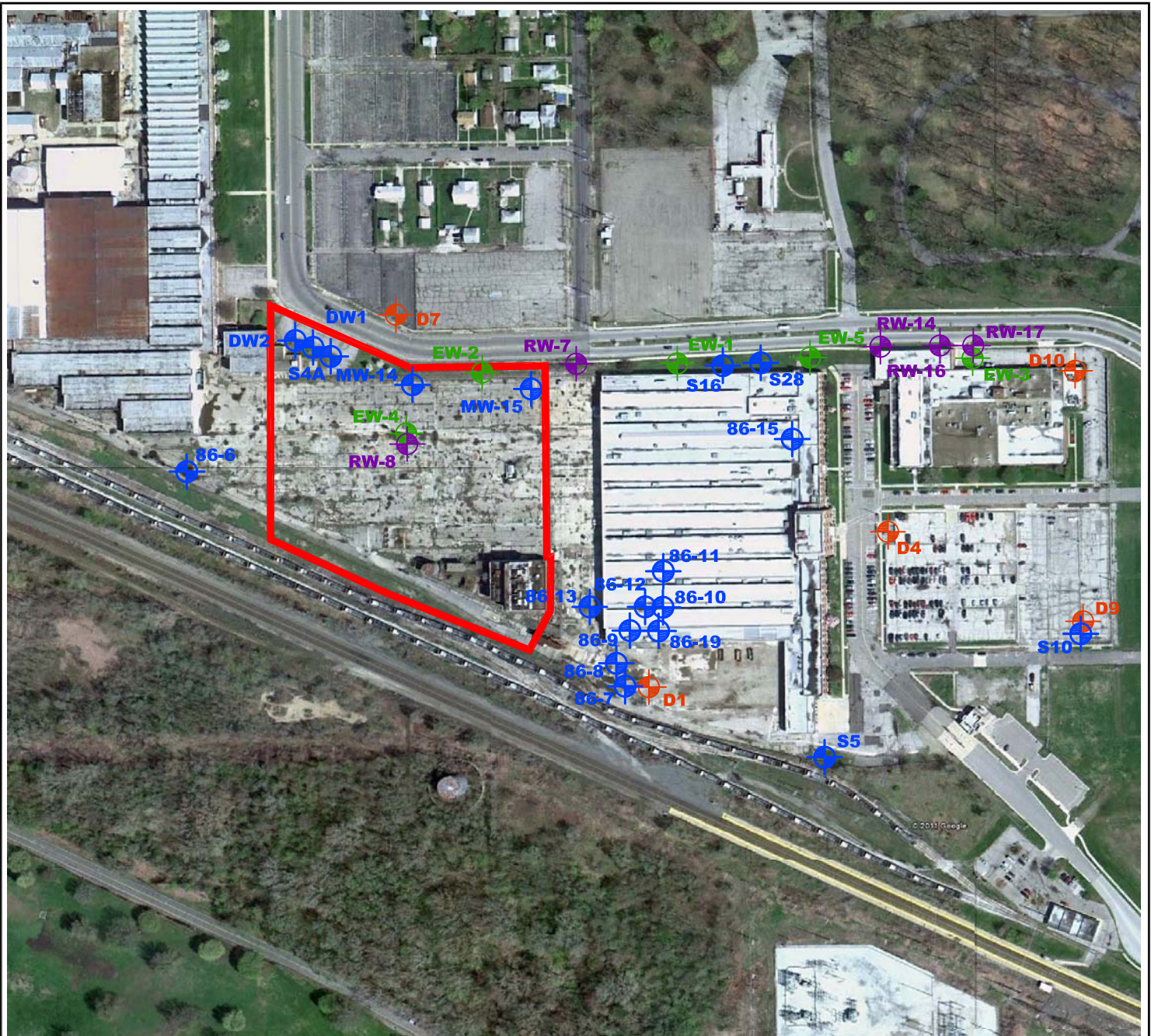


RECOGNIZED ENVIROMENTAL CONDITIONS (RECs)





- X1 AREA 5 USTs
- X2 AREA 14-E FORMER PLANT AND DEGREASING OPERATION
- X3 AREA 15 - FORMER METAL STAMPING
- X4 TRANSFORMER
- X5 OFF-SITE



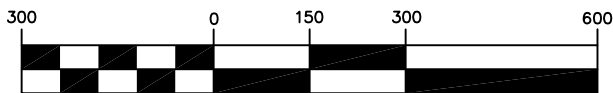
REC LOCATION		
HONEYWELL AEROSPACE COMPLEX 711 N. BENDIX DR. SOUTH BEND, IN		
Weaver Boos Consultants 4085 MEGHAN BEELER COURT SOUTH BEND, IN 46828 (574) 271-3447		
DRAWN BY: RMD	DATE: 1/26/2012	FILE: 1380-352-19
REVIEWED BY: ES	CAD: SITELOC.DWG	FIGURE 4



WELLS

-  **S16** WATER TABLE MONITORING WELL LOCATION
-  **D1** DEEP MONITORING WELL LOCATION (100 TO 210 FEET DEEP)
-  **RW-14** FORMER RECOVERY WELL LOCATION
-  **EW-1** EXISTING RECOVERY WELL LOCATION

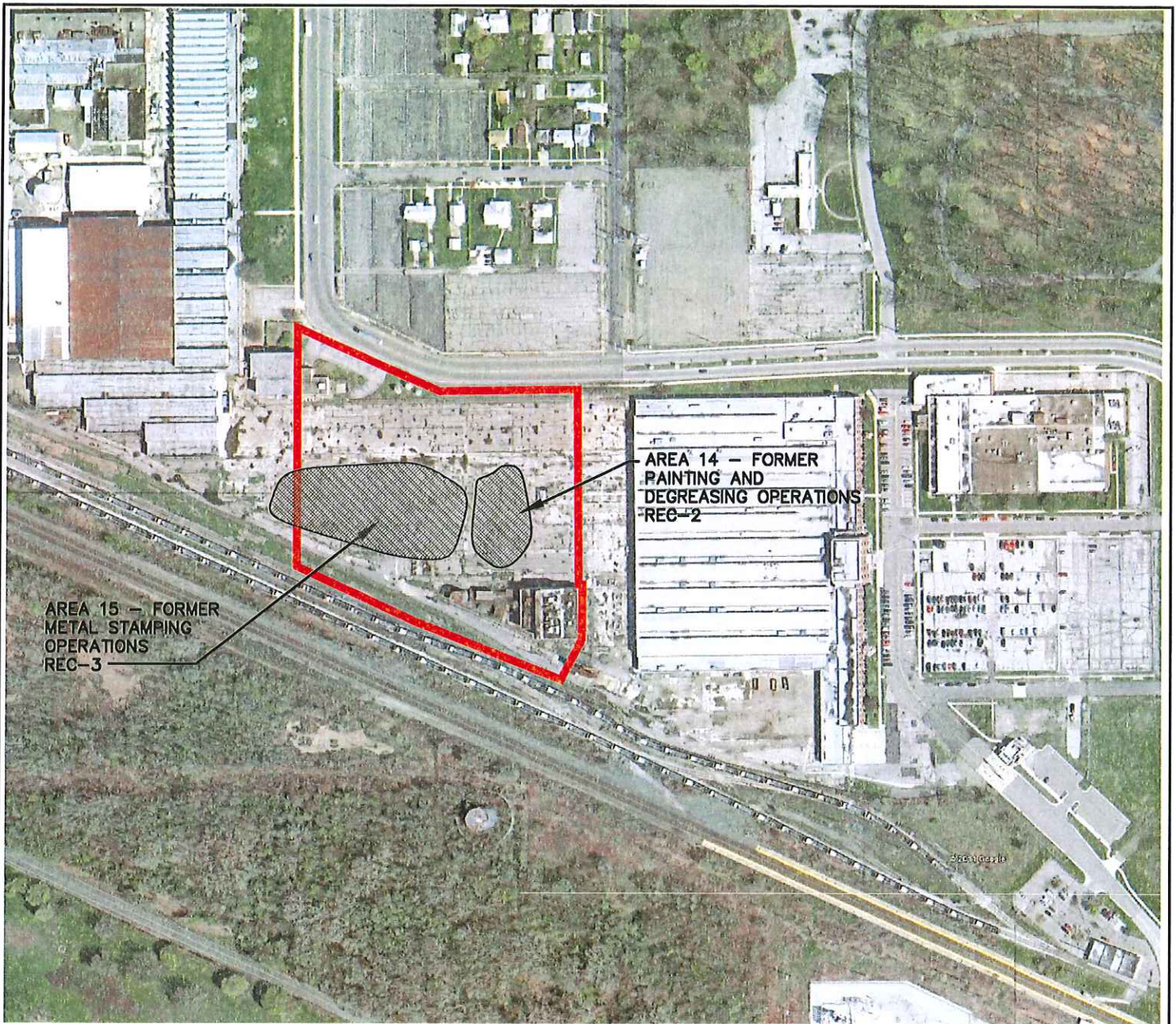
APPROXIMATE GRAPHIC SCALE



(IN FEET)
1 inch = 300 ft.

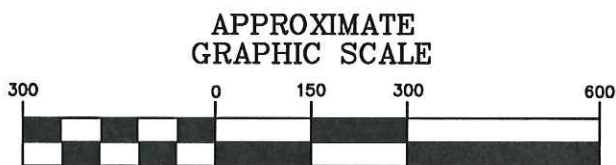


<p>MONITORING WELL / RECOVERY WELL NETWORK HONEYWELL AEROSPACE COMPLEX 711 N. BENDIX DR. SOUTH BEND, IN</p>		
<p>Weaver Boos Consultants 4085 MEGHAN BEELER COURT SOUTH BEND, IN 46628 (574) 271-3447</p>		
DRAWN BY: RMD	DATE: 1/26/2012	FILE: 1380-352-19
REVIEWED BY: ES	CAD: SITELOC.DWG	FIGURE 5



AREA 15 - FORMER
METAL STAMPING
OPERATIONS
REC-3

AREA 14 - FORMER
PAINTING AND
DEGREASING OPERATIONS
REC-2



APPROXIMATE
GRAPHIC SCALE

(IN FEET)
1 inch = 300 ft.



SOIL SOURCE AREAS

HONEYWELL AEROSPACE COMPLEX
711 N. BENDIX DR.
SOUTH BEND, IN

Weaver Boos Consultants

4085 MEGHAN BEELER COURT
SOUTH BEND, IN 46828
(574) 271-3447

DRAWN BY: RMD

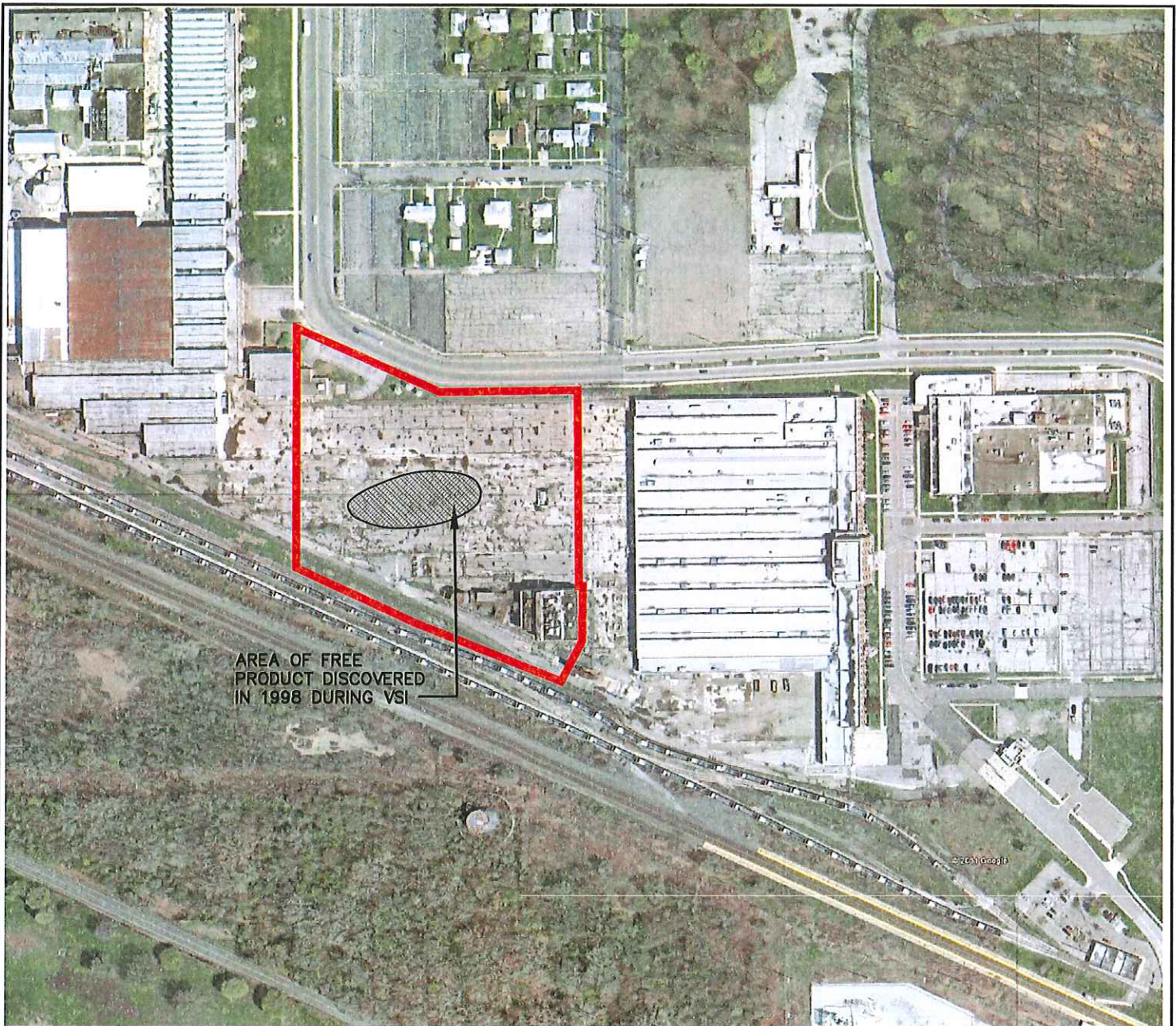
DATE: 1/26/2012

FILE: 1380-352-19

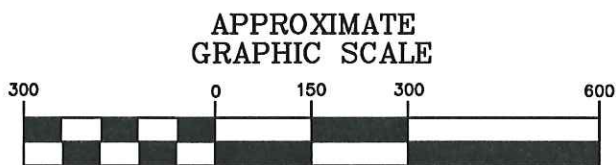
REVIEWED BY: ES

CAD: SITELOC.DWG

FIGURE 6



AREA OF FREE
PRODUCT DISCOVERED
IN 1998 DURING VSI



APPROXIMATE
GRAPHIC SCALE

(IN FEET)
1 inch = 300 ft.



AREA OF FREE PRODUCT SITE

HONEYWELL AEROSPACE COMPLEX
711 N. BENDIX DR.
SOUTH BEND, IN

Weaver Boos Consultants

4085 MEGHAN BEELER COURT
SOUTH BEND, IN 46828
(574) 271-3447

DRAWN BY: RMD

DATE: 1/26/2012

FILE: 1380-352-19

REVIEWED BY: ES

CAD: SITELOC.DWG

FIGURE 7

APPENDIX A
GLOSSARY OF TERMS

GLOSSARY OF TERMS

This appendix provides definitions, descriptions of terms, and a list of acronyms for many of the words used in ASTM E 1527-05. These terms are an integral part of ASTM E 1527-05 and are critical to understanding ASTM E 1527-05 and its use.

Definitions:

Abandoned Property—Property that can be presumed to be deserted, or an intent to relinquish possession or control can be inferred from the general disrepair or lack of activity thereon such that a reasonable person could believe that there was an intent on the part of the current owner to surrender rights to the property.

Activity and Use Limitations—Legal or physical restrictions or limitations on the use of, or access to, a site or facility: (1) to reduce or eliminate potential exposure to contaminants in the soil or groundwater on the property, or (2) to prevent activities that could interfere with the effectiveness of a response action, or (3) to ensure maintenance of a condition of no significant risk to human health and the environment. These legal or physical restrictions, which may include institutional and/or engineering controls, are intended to prevent adverse impacts to individuals or populations that may be exposed to contaminants in the soil or groundwater on the property.

Actual knowledge—The knowledge actually possessed by an individual who is a real person, rather than an entity. Actual knowledge is to be distinguished from constructive knowledge that is knowledge imputed to an individual or entity.

Adjoining properties—Any real property or properties the border of which is contiguous or partially contiguous with that of the property, or that would be contiguous or partially contiguous with that of the property but for a street, road, or other public thoroughfare separating them.

Aerial photographs—Photographs taken from an airplane or helicopter (from a low enough altitude to allow identification of development and activities) of areas encompassing the property. Aerial photographs are often available from government agencies or private collections unique to a local area.

All Appropriate inquiry—That inquiry constituting “all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice” as defined in CERCLA, 42 USC § 9601(35)(B), that will qualify a party to a *commercial real estate* transaction one of threshold criteria for satisfying the LLP’s to CERCLA liability (42 USC § 9601(A) and (B) and § 9607(b)(3)), § 9607(q) and § 9607(r) assuming compliance with other elements of the defense. See Appendix XI.

Approximate minimum search distance—The area for which records must be obtained and reviewed pursuant to Section 8 subject to the limitations provided in that section. This may include areas outside the *property* and shall be measured from the nearest *property* boundary. This term is used in lieu of radius to include irregularly-shaped properties.

Bona fide prospective purchaser liability protection—(42 USC § 9607(r)) a person may qualify as a bona fide prospective purchaser if, among other requirement, such person made “all appropriate inquiries into the previous ownership and uses of the facility in accordance with generally accepted good commercial and customary standards and practices.” Knowledge of contamination resulting from all appropriate inquiry would not generally preclude this liability protection. A person must make all appropriate inquiry on or before the date of purchase. The facility must have been purchased after January 11, 2002. See Appendix XI for the other necessary requirements that are beyond the scope of this practice.

Brownfield Amendments—Amendments to CERCLA pursuant to the Small Business Liability Relief and Brownfields Revitalization Act, Pub. L. No. 107-118 (2002), 42 U.S.C. §§ 9607 *et. seq.*

Building department records—Those records of the local government in which the property is located indicating permission of the local government to construct, alter, or demolish improvements on the property. Often, building department records are located in the building department of a municipality or county.

Business environmental risk—A risk which can have a material environmental or environmentally-driven financial impact on the business associated with the current or planned use of a parcel of commercial real estate, not necessarily limited to those environmental issues required to be investigated in this practice. Consideration of *business environmental risk* issues may necessitate that an *environmental professional* address one or more non-scope considerations, some of which are identified in Section 12.

Commercial real estate—Any real property except a dwelling or property with no more than four dwelling units exclusively for residential use (except that a dwelling or property with no more than four dwelling units exclusively for residential use is included in this term when it has a commercial function, as in the building of such dwellings for profit). This term includes, but is not limited to, undeveloped real property and real property used for industrial, retail, office, agricultural, other commercial, medical, or educational purposes; property used for residential purposes that has more than four residential dwelling units; and any property with no more than four dwelling units for residential use when it has a commercial function, as in the building of such dwellings for profit.

Commercial real estate transaction—A transfer of title to or possession of real property or receipt of a security interest in real property, except that it does not include transfer of title to or possession of real property or the receipt of a security interest in real property with respect to an individual dwelling or building containing fewer than five dwelling units, nor does it include the purchase of a lot or lots to construct a dwelling for occupancy by a purchaser, but a commercial real estate transaction does include real property purchased or leased by persons or entities in the business of building or developing dwelling units.

Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS)—The list of sites compiled by EPA that EPA has investigated, or is currently investigating, for potential hazardous substance contamination for possible inclusion on the National Priorities List.

Construction debris—Concrete, brick, asphalt, and other such building materials discarded in the construction of a building or other improvement to property.

Contaminated public wells—Public wells used for drinking water that have been designated by a government entity as contaminated by toxic substances (for example, chlorinated solvents), or as having water unsafe to drink without treatment.

Contiguous property owner liability protection—(42 USC § 9607(q)) a person may qualify for the contiguous property owner liability protection if, among other requirements, such person owns real property that is contiguous to, and that is or may be contaminated by hazardous substances from other real property that is not owned by the person. Furthermore, such person conducted all appropriate inquiry at the time of acquisition of the property and did not know or have reason to know that the property was or could be contaminated by a release or a threatened release from the contiguous property. The all appropriate inquiry must not result in knowledge of contamination. If it does, then such person did “know” or “had reason to know” of contamination and would not be eligible for the contiguous property owner liability protection. See Appendix X1 for the other necessary requirements that are beyond the scope of this practice.

CORRACTS list—List of hazardous waste treatment, storage or disposal facilities and generators who have been notified by the U.S Environmental Protection Agency to undertake corrective action under RCRA.

Data failure—A failure to achieve the historical research objectives in 8.3.1 through 8.3.2.2 even after reviewing the standard historical sources in 8.3.4.1 through 8.3.4.8 that are reasonably ascertainable and likely to be useful. Data failure is one type of data gap.

Data failure—A lack of or inability to obtain information required by this practice despite good faith efforts by the environmental professional to gather such information. Data gaps may result from incompleteness in any of the activities required by this practice. Including, but not limited to site reconnaissance (for example, an inability to interview the key site manager, regulatory officials, etc.

Demolition debris—Concrete, brick, asphalt, and other such building materials discarded in the demolition of a building or other improvement to property.

Drum—A container (typically, but not necessarily, holding 55 gal (208 L) of liquid) that may be used to store *hazardous substances* or *petroleum products*.

Dry wells—Underground areas where soil has been removed and replaced with pea gravel, coarse sand, or large rocks. Dry wells are used for drainage, to control storm runoff, for the collection of spilled liquids (intentional and non-intentional), and wastewater disposal (often illegal).

Due diligence—The process of inquiring into the environmental characteristics of a parcel of *commercial real estate* or other conditions, usually in connection with a commercial real estate transaction. The degree and kind of due diligence vary for different properties and differing purposes.

Dwelling—Structure or portion thereof used for residential habitation.

Engineering controls—Physical modifications to a site or facility (for example, capping, slurry walls, or point of use water treatment) to reduce or eliminate the potential for exposure to contaminants in the soil or groundwater on the property.

Environmental audit—The investigative process to determine if the operations of an existing facility are in compliance with applicable environmental laws and regulations. This term should not be used to describe this practice, although an environmental audit may include an *environmental site assessment* or, if prior audits are available, may be part of an environmental site assessment.

Environmental lien—A charge, security, or encumbrance upon title to a *property* to secure the payment of a cost, damage, debt, obligation, or duty arising out of response actions, cleanup, or other remediation of *hazardous substances* or *petroleum products* upon a *property*, including (but not limited to) liens imposed pursuant to CERCLA 42 USC § 9607(1) and similar state or local laws.

Environmental professional—A person possessing sufficient training and experience necessary to conduct a *site reconnaissance*, *interviews*, and other activities in accordance with this practice, and from the information generated by such activities, having the ability to develop opinions and conclusions regarding *recognized environmental conditions* in connection with the *property* in question. An individual's status as an environmental professional may be limited to the type of assessment to be performed or to specific segments of the assessment for which the professional is responsible. The person may be an independent contractor or an employee of the *user*.

Environmental site assessment (ESA)—The process by which a person or entity seeks to determine if a particular parcel of real *property* (including improvements) is subject to *recognized environmental conditions*. At the option of the *user*, an environmental site assessment may include more inquiry than that constituting *appropriate inquiry* or, if the user is not concerned about qualifying for the *innocent landowner defense*, less inquiry than that constituting *appropriate inquiry*. An environmental site assessment is both different from and less rigorous than an *environmental audit*.

ERNS list—EPA's emergency response notification system list of reported CERCLA hazardous substance releases or spills in quantities greater than the reportable quantity, as maintained at the National Response Center. Notification requirements for such releases or spills are codified in 40 CFR Parts 302 and 355.

Federal Register (FR)—Publication of the United States government published daily (except for federal holidays and weekends) containing all proposed and final regulations and some other activities of the federal government. When regulations become final, they are included in the Code of Federal Regulations (CFR), as well as published in the Federal Register.

Fill dirt—Dirt, soil, sand, or other earth, obtained off-site, that is used to fill holes or depressions, create mounds, or otherwise artificially change the grade or elevation of real property. It does not include material that is used in limited quantities for normal landscaping activities.

Fire insurance maps—Maps produced for private fire insurance map companies that indicate uses of properties at specified dates and that encompass the property. These maps are often available at local libraries, historical societies, private resellers, or from the map companies who produced them. See Question 23 of the transaction screen process in Practice E 1528 and 7.3.4.2 of this practice.

Hazardous substance—A substance defined as hazardous pursuant to CERCLA 42 USC § 9601(14), as interpreted by EPA regulations and the courts: “(A) any substance designated pursuant to section 1321(b)(2)(A) of Title 33, (B) any element, compound, mixture, solution, or substance designated pursuant to section 9602 of this title, (C) any hazardous waste having the characteristics identified under or listed pursuant to section 3001 of the Solid Waste Disposal Act (42 USC § 6921) (but not including any waste the regulation of which under the Solid Waste Disposal Act (42 USC § 6901 *et seq.*) has been suspended by Act of Congress), (D) any toxic pollutant listed under section 1317(a) of Title 33, (E) any hazardous air pollutant listed under section 112 of the Clean Air Act (42 USC § 7412), and (F) any imminently hazardous chemical substance or mixture with respect to which the Administrator (of EPA) has taken action pursuant to section 2606 of Title 15. The term does not include petroleum, including crude oil or any fraction thereof, which is not otherwise specifically listed or designated as a hazardous substance under subparagraphs (A) through (F) of this paragraph; the term does not include natural gas, natural gas liquids, liquefied natural gas, or synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas).”

Hazardous waste—Any hazardous waste having the characteristics identified under or listed pursuant to section 3001 of the Solid Waste Disposal Act (42 USC § 6921) (but not including any waste the regulation of which under the Solid Waste Disposal Act (42 USC § 6901 *et seq.*) has been suspended by Act of Congress). The Solid Waste Disposal Act of 1980 amended RCRA. RCRA defines hazardous waste, in 42 USC § 6903, as: “a solid waste, or combination of solid wastes, which because of its quantity, concentration, or physical, chemical, or infectious characteristics may—(A) cause, or significantly contribute to an increase in mortality or an increase in serious irreversible, or incapacitating reversible, illness; or (B) pose a substantial present or potential hazard to human health or the environment when improperly treated, stored, transported, or disposed of, or otherwise managed.”

Hazardous waste/contaminated sites—Sites on which a release has occurred, or is suspected to have occurred, of any *hazardous substance*, *hazardous waste*, or *petroleum products*, and that release or suspected release has been reported to a government entity.

Historical recognized environmental condition—Environmental condition which in the past would have been considered a *recognized environmental condition*, but which may or may not be considered a *recognized environmental condition* currently. The final decision rests with the *environmental professional* and will be influenced by the current impact of the *historical recognized environmental condition* on the property. If a past release of any hazardous substances or petroleum products has occurred in connection with the property and has been remediated, with such remediation accepted by the responsible regulatory agency (for example, as evidenced by the issuance of a no further action letter or equivalent), this condition shall be considered an *historical recognized environmental condition* and included in the findings section of the Phase I *Environmental Site Assessment* report. The *environmental professional* shall provide an opinion of the current impact on the property of this *historical recognized environmental condition* in the opinion section of the report. If this *historical recognized environmental condition* is determined to be a *recognized environmental condition* at the time the Phase I *Environmental Site Assessment* is conducted, the condition shall be identified as such and listed in the conclusions section of the report.

IC/EC Registries—Databases of institutional controls or engineering controls that may be maintained by a federal state or local environmental agency for purposes of tracking sites that may contain residual contamination and AUL's. The names for these may vary from program to program and state to state, and include terms such as Declaration of Environmental Use Restriction database (Arizona), list of “deed restrictions” (California), environmental real covenants list (Colorado), Brownfields site list (Indiana, Missouri, Pennsylvania).

Innocent landowner defense—(42 USC § 9601(35) and § 9607(b)(3))—. A person may qualify as one of three types of innocent landowners: (i) a person who “did not know and had no reason to know” that contamination existed on the property at the time the purchaser acquired the property; (ii) a governance entity which acquired the property by escheat, or through any other involuntary transfer or acquisition, or through the exercise of eminent domain authority by purchase or condemnation; and (iii) a person who “acquired the facility by inheritance or bequest.” To qualify for the first type of innocent landowner LLP, such person must have made all appropriate inquiry on or before the date of purchase. Furthermore, all appropriate inquiry must not have resulted in knowledge of contamination. If it does, then such person did “know” or had “reason to know” of contamination and would not be eligible for the innocent landowner defense. See Appendix XI for the other necessary requirements that are beyond the scope of this practice.

Institutional control (IC)—A legal or administrative restriction (e.g., deed restriction, restrictive covenants, easements or zoning) on the use of, or access to, a site or facility to (1) reduce or eliminate potential exposure to hazardous substances or petroleum products in the soil or ground water on the property, or (2) to prevent activities that could interfere with the effectiveness of a response action, in order to ensure maintenance of a condition of no significant risk to the public health or the environment. An institutional control is a type of Activity and Use Limitation. (AUL).

Interviews—Those portions of this practice that are contained in Section 9 and 10 thereof and address questions to be asked of *owners* and *occupants* of the *property* and questions to be asked of local government officials.

Key site manager—The person identified by the *owner* of a *property* as having good knowledge of the uses and physical characteristics of the property.

Landfill—A place, location, tract of land, area, or premises used for the disposal of solid wastes as defined by state solid waste regulations. The term is synonymous with the term *solid waste disposal site* and is also known as a garbage dump, trash dump, or similar term.

Landowner Liability Protections (LLPs)—Landowner liability protections under CERCLA; these protections include the bona fide purchaser liability protection, contiguous property owner liability protection, contiguous property owner liability protection, and innocent landowner defense from CERCLA liability. See 42 USC §§ 9601(35)(A) 9601(40), 9607(b), 9607(q), 9607(r).

Local government agencies—Those agencies of municipal or county government having jurisdiction over the *property*. Municipal and county government agencies include, but are not limited to, cities, parishes, townships, and similar entities.

Local street directories—Directories published by private (or sometimes government) sources that show ownership, occupancy, and/or use of sites by reference to street addresses. Often, local street directories are available at libraries of local governments, colleges or universities, or historical societies.

LUST sites—State lists of leaking underground storage tank sites. Section 9003 (h) of Subtitle I of RCRA gives EPA and states, under cooperative agreements with EPA, authority to clean up releases from UST systems or require owners and operators to do so.

Major Occupants—Those tenants, subtenants, or other persons or entities each of which uses at least 40% of the leasable area of the property or any anchor tenants when the property is a shopping center.

Material safety data sheet (MSDS)—Written or printed material concerning a hazardous substance which is prepared by chemical manufacturers, importers, and employers for hazardous chemicals pursuant to OSHA's Hazard Communication Standard, 29 CFR 1910.1200.

Material threat—A physically observable or obvious threat which is reasonably likely to lead to a release that, in the opinion of the *environmental professional*, is threatening and might result in impact to human health and the environment. An example might include an aboveground storage tank that contains a hazardous substance and which shows evidence of damage. The damage would represent a material threat if it is deemed serious enough that it may cause or contribute to tank integrity failure with a release of contents to the environment.

National Contingency Plan (NCP)—The National Oil and Hazardous Substances Pollution Contingency Plan, found at 40 CFR § 300, that is the EPA's blueprint on how hazardous substances are to be cleaned up pursuant to CERCLA.

National Priorities List (NPL)—List compiled by the EPA, pursuant to CERCLA 42 USC § 9605(a)(8)(B), of properties with the highest priority for cleanup pursuant to EPA's Hazard Ranking System. See 40 CFR Part 300.

Obvious—That which is plain or evident; a condition or fact that could not be ignored or overlooked by a reasonable observer while *visually* or *physically observing the property*.

Occupants—Those tenants, subtenants, or other persons or entities using the *property* or a portion of the *property*.

Operator—The person responsible for the overall operation of a facility.

Other historical sources—Any source or sources other than those designated in 8.3.4.1—8.3.4.8 that are credible to a reasonable person and that identify past uses of the property. The term includes, but is not limited to, miscellaneous maps, newspaper archives, and records in the files and/or personal knowledge of the *property owner* and/or *occupants*.

Owner—Generally the fee owner of record for the *property*.

Petroleum exclusion—The exclusion from CERCLA liability provided in 42 USC § 9601(14), as interpreted by the courts and EPA: “The term (hazardous substance) does not include petroleum, including crude oil or any fraction thereof which is not otherwise specifically listed or designated as a hazardous substance under subparagraphs (A) through (F) of this paragraph, and the term does not include natural gas, natural gas liquids, liquefied natural gas, or synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas).”

Petroleum products—Those substances included within the meaning of the *petroleum exclusion* to CERCLA, 42 USC§ 9601(14), as interpreted by the courts and EPA, that is: petroleum, including crude oil or any fraction thereof which is not otherwise specifically listed or designated as a hazardous substance under Subparagraphs (A) through (F) of 42 USC § 9601(14), natural gas, natural gas liquids, liquefied natural gas, and synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas). (The word fraction refers to certain distillates of crude oil, including gasoline, kerosene, diesel oil, jet fuels, and fuel oil, pursuant to *Standard Definitions of Petroleum Statistics*.¹)

Phase I Environmental Site Assessment—The process described in this practice.

Physical setting sources—Sources that provide information about the geologic, hydrogeologic, hydrologic, or topographic characteristics of a *property*.

Pits, ponds, or lagoons—Man-made or natural depressions in a ground surface that are likely to hold liquids or sludge containing *hazardous substances* or *petroleum products*. The likelihood of such liquids or sludge being present is determined by evidence of factors associated with the pit, pond, or lagoon, including, but not limited to, discolored water, distressed vegetation, or the presence of an obvious wastewater discharge.

Practically reviewable—Information that is practically reviewable means that the information is provided by the source in a manner and in a form that, upon examination, yields information relevant to the *property* without the need for extraordinary analysis of irrelevant data. The form of the information shall be such that the user can review the records for a limited geographic area. Records that cannot be feasibly retrieved by reference to the location of the *property* or a geographic area in which the *property* is located are not generally *practically reviewable*. Most databases of public records are *practically reviewable* if they can be obtained from the source agency by the county, city, zip code, or other geographic area of the facilities listed in the record system. Records that are sorted, filed, organized, or maintained by the source agency only chronologically are not generally practically reviewable. Listings in publicly available records which do not have adequate address information to be located geographically are not generally considered practically reviewable. For large databases with numerous facility records (such as RCRA hazardous waste generators and registered underground storage tanks), the records are not *practically reviewable* unless they can be obtained from the source agency in the smaller geographic area of zip codes. Even when information is provided by zip code for some large databases, it is common for an unmanageable number of sites to be identified within a given zip code. In these cases, it is not necessary to review the impact of all of the sites that are likely to be listed in any given zip code because that information would not be *practically reviewable*. In other words, when so much data is generated that it cannot be feasibly reviewed for its impact on the *property*, it is not *practically reviewable*.

Property—The real property that is the subject of the *environmental site assessment* described in this practice. Real property includes buildings and other fixtures and improvements located on the property and affixed to the land.

¹ *Standard Definitions of Petroleum Statistics*, American Petroleum Institute, Fourth Edition, 1988.

Property tax files—The files kept for property tax purposes by the local jurisdiction where the property is located and includes records of past ownership, appraisals, maps, sketches, photos, or other information that is reasonably ascertainable and pertaining to the property.

Publicly available—Information that is publicly available means that the source of the information allows access to the information by anyone upon request.

RCRA generators—Those persons or entities that generate hazardous waste, as defined and regulated by RCRA.

RCRA generators list—List kept by the EPA of those persons or entities that generate hazardous wastes as defined and regulated by RCRA.

RCRA TSD facilities—Those facilities at which treatment, storage, and/or disposal of hazardous wastes takes place, as defined and regulated by RCRA.

RCRA TSD facilities list—List kept by the EPA of those facilities at which treatment, storage, and/or disposal of hazardous wastes takes place, as defined and regulated by RCRA.

Reasonably ascertainable—For purposes of both this practice and Practice E 1528, information that is (1) *publicly available*, (2) obtainable from its source within reasonable time and cost constraints, and (3) *practically reviewable*.

Recognized environmental conditions—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 generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be *de minimis* are not *recognized environmental conditions*.

Recorded land title records—Records of fee ownership, leases, land contracts, easements, liens, and other encumbrances on or of the property recorded in the place where land title records are, by law or custom, recorded for the local jurisdiction in which the *property* is located. (Often such records are kept by a municipal or county recorder or clerk.) Such records may be obtained from title companies or directly from the local government agency. Information about the title to the property that is recorded in a U.S. district court or any place other than where land title records are, by law or custom, recorded for the local jurisdiction in which the property is located, are not considered part of recorded land title records.

Records of emergency release notifications (SARA § 304)—Section 304 of EPCRA or Title III of SARA requires operators of facilities to notify their local emergency planning committee (as defined in EPCRA) and the state emergency response commission (as defined in EPCRA) of any release beyond the facility's boundary of any reportable quantity of any extremely hazardous substance. Often the local fire department is the local emergency planning committee. Records of such notifications are "Records of Emergency Release Notifications" (SARA § 304).

Records review—That part that is contained in Section 7 of this practice addresses which records shall or may be reviewed.

Report—The written record of a transaction screen process as required by Practice E 1528 or the written report prepared by the environmental professional and constituting part of a "Phase I Environmental Site Assessment," as required by this practice.

Site reconnaissance—That part that is contained in Section 8 of this practice and addresses what should be done in connection with the *site visit*. The site reconnaissance includes, but is not limited to, the *site visit* done in connection with such a Phase I Environmental Site Assessment.

Site visit—The visit to the property during which observations are made constituting the *site reconnaissance* section of this practice and the *site visit* requirement of Practice E 1528.

Solid waste disposal site—A place, location, tract of land, area, or premises used for the disposal of solid wastes as defined by state solid waste regulations. The term is synonymous with the term *landfill* and is also known as a garbage dump, trash dump, or similar term.

Solvent—A chemical compound that is capable of dissolving another substance and may itself be a *hazardous substance*, used in a number of manufacturing/industrial processes including, but not limited to, the manufacture of paints and coatings for industrial and household purposes, equipment clean-up, and surface degreasing in metal fabricating industries.

Standard environmental record sources—Those records specified in 8.2.1.

Standard historical sources—Those sources of information about the history of uses of the property specified in 8.3.4.

Standard physical setting source—A current USGS 7.5 minute topographic map (if any) showing the area on which the property is located.

Standard practice(s)—The activities set forth in either and both this practice and Practice E 1528.

Standard sources—Sources of environmental, physical setting, or historical records specified in Section 7 of this practice.

State registered USTs—State lists of underground storage tanks required to be registered under Subtitle I, Section 9002 of RCRA.

Sump—A pit, cistern, cesspool, or similar receptacle where liquids drain, collect, or are stored.

TSD facility—Treatment, storage, or disposal facility (see *RCRA TSD facilities*).

Underground Injection—The emplacement or discharge of fluids into the subsurface by means of a well, improved sinkhole, sewage drain hole, subsurface fluid distribution system or other system, or groundwater point source.

Underground storage tank (UST)—Any tank, including underground piping connected to the tank, that is or has been used to contain *hazardous substances* or *petroleum products* and the volume of which is 10% or more beneath the surface of the ground.

User—The party seeking to use Practice E 1527 to complete an environmental site assessment of the property. A user may include without limitation, a potential purchaser of the property, a potential tenant of property, an owner of property, a lender, or a property manager. The user has specific obligations for completing a successful application of this practice as outlined in Section 6.

USGS 7.5 Minute Topographic Map—The map (if any) available from or produced by the United States Geological Survey, entitled “USGS 7.5 Minute Topographic Map,” and showing the property.

Visually and/or physically observed—During a *site visit* pursuant to Practice E 1528, or pursuant to this practice, this term means observations made by vision while walking through a *property* and the structures located on it and observations made by the sense of smell, particularly observations of noxious or foul odors. The term “walking through” is not meant to imply that disabled persons who cannot physically walk may not conduct a *site visit*; they may do so by the means at their disposal for moving through the *property* and the structures located on it.

Wastewater—Water that (1) is or has been used in an industrial or manufacturing process, (2) conveys or has conveyed sewage, or (3) is directly related to manufacturing, processing, or raw materials storage areas at an industrial plant. Wastewater does not include water originating on or passing through or adjacent to a site, such as stormwater flows, that has not been used in industrial or manufacturing processes, has not been combined with sewage, or is not directly related to manufacturing, processing, or raw materials storage areas at an industrial plant.

Zoning/land use records—Those records of the local government in which the *property* is located, indicating the uses permitted by the local government in particular zones within its jurisdiction. The records may consist of maps and/or written records. They are often located in the planning department of a municipality or county.

Acronyms:

AULs—Activity Use Limitations.

CERCLA—Comprehensive Environmental Response, Compensation and Liability Act of 1980 (as amended, 42 USC § 9601 *et seq.*).

CERCLIS—Comprehensive Environmental Response, Compensation and Liability Information System (maintained by EPA).

CFR—Code of Federal Regulations.

CORRACTS—Facilities subject to corrective action under RCRA.

EPA—United States Environmental Protection Agency.

EPCRA—Emergency Planning and Community Right to Know Act (also known as SARA Title III), 42 USC §§ 11001 *et seq.*

ERNS—Emergency response notification system.

ESA—Environmental site assessment (different than an *environmental audit*).

FOIA—U.S. Freedom of Information Act (5 USC 552 *et seq.*).

FR—Federal Register.

ICs—Institutional Controls.

LLPs—Landowner Liability Protections under the Brownfield Amendments

LUST—Leaking underground storage tank.

MSDS—Material safety data sheet.

NCP—National Contingency Plan.

NFRAP—Former CERCLIS sites where no further remedial action is planned.

NPDES—National Pollutant Discharge Elimination System.

NPL—National Priorities List.

PCBs—Polychlorinated biphenyls.

PRP—Potentially Responsible Party (pursuant to CERCLA 42 U.S.C. § 6907(a)).

RCRA—Resource Conservation Recovery Act (as amended, 42 U.S.C. §§ 6901 *et seq.*).

SARA—Superfund Amendments and Reauthorization Act of 1986 (amendment to CERCLA).

TSDF—Hazardous waste treatment storage or disposal facility.

USC—United States Code.

USGS—United States Geologic Survey.

UST—Underground Storage Tank.

APPENDIX B
USER-PROVIDED INFORMATION

WEAVER BOOS CONSULTANTS NORTH CENTRAL, LLC

Environmental Site Assessment User Questionnaire

This questionnaire is based upon the American Society for Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (E 1527-05).

Project Name: Honeywell Aerospace Complex – Property Tax ID # 018-2040-1387
Address: 711 N. Bendix Drive South Bend, Indiana

Weaver Boos requests that the respondent provide the following information (if available) and sign the last page of the questionnaire which affirms that the respondent has answered all questions to the best of the respondent's actual knowledge and in good faith.

1. Copies of any environmental cleanup liens that are filed or recorded against the Property (40 CFR 312.25). **We are not aware of any environmental liens recorded against the Property.**
2. Activity use limitations that are in place on the Property or have been filed or recorded in a registry (40 CFR 312.26). *For example, engineering controls or institutional controls to prevent or control exposure to environmental impact that are filed in a registry under federal, tribal, state, or local law or recorded with the Property or adjoining properties.*

Terms and Provisions of Memorandum of Lease & Option to Purchase recorded August 22, 2000 as Document #0040368 in the Office of the Recorder of St. Joseph County, Indiana.

Environmental Remediation Agreement, License and Easement recorded September 18, 2000 as Document #0040368 in the Office of the Recorder of St. Joseph County, Indiana.

Restrictions filed with Notes on Plat recorded May 16, 2006 as Instrument #0619744 in the Office of the Recorder of St. Joseph County, Indiana.

3. Any specialized knowledge or experience of the person seeking to qualify for the Landowner Liability Protections (40 CFR Part 312.28). *Do you have any specialized knowledge or experience related to the Property or nearby properties? For example, are you familiar with the current or past operations at the Property or adjoining properties so that you would have specialized knowledge of the chemicals and processes used by these types of businesses?* **No**

WEAVER BOOS CONSULTANTS NORTH CENTRAL, LLC

Environmental Site Assessment User Questionnaire

This questionnaire is based upon the American Society for Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (E 1527-05).

Project Name: Honeywell Aerospace Complex – Property Tax ID # 018-2040-1387

Address: 711 N. Bendix Drive South Bend, Indiana

4. Relationship of the purchase price to the fair market value of the Property if it were not contaminated (40 CFR 312.29). Does the purchase price being paid for the Property reflect fair market value of the Property? If there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the Property? **N/A – a purchase price has not yet been determined.**

5. Commonly known or reasonably ascertainable information about the property (40 CFR 312.30). Are you aware of commonly known or reasonably ascertainable information about the Property or adjoining properties that would help Weaver Boos to identify conditions indicative of releases or threatened releases? For example as a user:
 - a) Do you know the past uses of the Property or adjoining properties? **Only general awareness, not detailed knowledge.**

 - b) Do you know the specific chemicals that are present or once were present at the Property or adjoining properties? **No**

 - c) Do you know of spills or chemical releases that have taken place at the Property or adjoining properties? **No – only what is in previous reports.**

 - d) Do you know of any environmental cleanups that have taken place at the Property or adjoining properties? **Only general awareness, not specifics.**

WEAVER BOOS CONSULTANTS NORTH CENTRAL, LLC

Environmental Site Assessment User Questionnaire

This questionnaire is based upon the American Society for Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (E 1527-05).

Project Name: Honeywell Aerospace Complex – Property Tax ID # 018-2040-1387

Address: 711 N. Bendix Drive South Bend, Indiana

6. The degree of obviousness of the likely presence of contamination at the Property, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31). *As the user of this Phase I ESA, based on your knowledge and experience related to the Property, are there any obvious indicators that point to the presence or likely presence of contamination?*

The current property owner is in the Indiana Voluntary Remediation Program.

The respondent of the questionnaire must complete and sign the following statement.

This questionnaire was completed by:

Name: Ann Kolata

Title: Senior Redevelopment Specialist

Firm: City of South Bend, Department of Community & Economic Development


Address: 227 W. Jefferson Boulevard, Suite 1200 South Bend, Indiana 46601

Phone Number: 574-235-9374

Date: December 2, 2011

The respondent represents that to the best of the respondent's knowledge the above statements and facts are true and correct and to the best of the respondent's actual knowledge, no material facts have been suppressed or misstated.

Print Name (Respondent): Ann E. Kolata

Signature (Respondent): 

Date: November 29, 2011

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ENVIRONMENTAL REMEDIATION AGREEMENT, LICENSE AND EASEMENT

This Agreement ("Agreement") is made and entered as of the 17th day of August, 2000, by and between Honeywell International Inc., a Delaware corporation (formerly known as Allied Signal Inc., a Delaware corporation) ("Honeywell"), and Robert Bosch Corporation, a Delaware corporation ("Bosch"). In this Agreement the term "Seller" shall refer to Honeywell and the term "Buyer" shall refer to Bosch.

RECITALS

1. Seller is the owner of the unencumbered fee interest in certain improved real estate in the City of South Bend, St. Joseph County, Indiana, which is more particularly described in Exhibit A hereto (the "Property"). Ownership of the Property is being transferred from Honeywell to Bosch pursuant to the terms of a certain Agreement of Sale, dated August 1, 2000 between Seller and Buyer (the "Agreement of Sale").
2. Buyer occupies and since March 31, 1996 has occupied substantially all of parcel A and all of parcels B, C-1, C-2, F-1 and F-2 of the Property, as described in Exhibit A hereto, under a certain Lease Agreement dated March 31, 1996, as amended by a certain Lease Amendment dated May 30, 1997 (collectively, the "Lease").
3. Under the Agreement of Sale, Seller has contracted with Buyer to sell, and Buyer has contracted with Seller to purchase, the Property.
4. In connection with Buyer's purchase of the Property, Seller has furnished to Buyer various environmental reports listed on Exhibit B hereto (the "Environmental Reports") indicating that the soils and groundwater of the Property were and continue to be contaminated with

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Hazardous Substances related to activities taking place before March 31, 1996. In order to address such contamination, Seller has entered a voluntary remediation agreement with the voluntary remediation program of the Indiana Department of Environmental Management ("IDEM").

5. In the Agreement of Sale, Buyer has represented and warranted that neither Buyer, nor its employees, agents, contractors or invitees, have disposed or otherwise allowed Hazardous Substances to enter the soil or groundwater at, on or under the Property.

AGREEMENT

NOW, THEREFORE, in consideration of the mutual promises in this Agreement, the parties hereby agree as follows:

- a. Definitions. For the purposes of this Remediation Agreement, the following terms shall have the meanings set forth below:
 - i. "VRA" shall mean a certain Voluntary Remediation Agreement dated January 25, 1999, between Seller and IDEM with respect to the Property in accordance with the Indiana Voluntary Remediation Program pursuant to Indiana Code ("IC") 13-25-5 ("VRP").
 - ii. "Certificate of Completion" shall mean the certification by the commissioner of IDEM in accordance with and pursuant to IC 13-25-5-16 and the VRA.
 - iii. "Environmental Conditions" shall mean the presence of (i) any Hazardous Substances in the surface water, groundwater, surface soil, subsurface soil, sediment, or land of, at, in or under the Property, or (ii) any Hazardous

Substances that have migrated or that are migrating or that have emanated or that are emanating from the Property in surface water or groundwater.

- iv. "Environmental Laws" shall mean all federal, regional, state, county or local laws, statutes, ordinances, rules, regulations, orders and codes, relating to pollution, damage to or protection of the environment.
- v. "Hazardous Substances" shall mean any substance that: (i) requires investigation, removal or remediation under any Environmental Law, or (ii) is defined, listed or identified as hazardous, toxic, explosive or mutagenic or as a pollutant, contaminant or hazardous substance under any Environmental Law.
- vi. "Losses" shall mean, except as set forth in the next sentence, any and all fines, penalties, fees, costs, or expenses (including, without limitation, sampling, monitoring or remediation costs, reasonable attorneys', consultants' and engineering fees and disbursements, costs of defense and interest), and damages directly caused by Environmental Conditions or by a breach of this Agreement. "Losses" shall not include internal management, administrative or overhead costs or consequential, liquidated or special damages, which include, without limitation, loss of use, profit or income.
- vii. "Remediation Work" shall mean any and all actions needed under the VRA and VRP or otherwise to accomplish the Remediation Objectives, including: (i) investigations of Environmental Conditions, such as but not limited to assessments, risk assessments, remedial investigations, sampling, testing,

monitoring or the installation or closure of monitoring wells; and (ii) actions taken to address Environmental Conditions, such as, but not limited to, removal or remedial actions to address Environmental Conditions, in-situ or ex-situ remediation technologies applied to the surface and subsurface soils and groundwater to address Environmental Conditions, excavation and off-site disposal of soils or groundwater to address Environmental Conditions, installation and use of recovery wells to address Environmental Conditions, installation and use of sumps, trenches, barriers or other systems for long term treatment or control of soils, surface water or groundwater, and deed and/or other use restrictions or Institutional or Engineering Controls imposed on the Property or the improvements thereon to address Environmental Conditions. Listed on Exhibit C hereto is the Remediation Work that Seller has undertaken or presently expects to undertake at the Property. Listed on Exhibit D hereto are the activities of Buyer that Buyer presently expects to disturb Remediation Work at the Property.

- viii. "Remediation Objectives" shall mean the receipt of a Certificate of Completion, or other equivalent approval, from IDEM, finding that Remediation Work at the Property has been satisfactorily completed to the least stringent standard that allows Buyer's use of the Property for industrial purposes only, and any incidental office, laboratory or warehousing activities. The parties agree that Buyer's use of the Property as of the date hereof is "for industrial purposes" within the meaning of the previous sentence.

"Remediation Objectives" also shall include receipt of a Certificate of Completion, or other equivalent approval, from IDEM finding that Remediation Work relating to any Hazardous Substances that have migrated or are migrating or that have emanated or are emanating from the Property has been satisfactorily completed to the least stringent standard approved by IDEM for the affected area.

- ix. "Institutional Controls" shall mean Remediation Work taken to restrict access to, or use of, the Property, including but not limited to deed restrictions.
- x. "Engineering Controls" shall mean Remediation Work taken to contain or control Environmental Conditions or exposure to Environmental Conditions at, on, or under the Property, including, but not limited to maintaining impervious caps over portions of the Property.

b. Remediation Work.

- i. Subject to and except as provided in this Agreement, Seller shall, at its sole cost and expense, perform such Remediation Work as is required to achieve the Remediation Objectives for all Environmental Conditions existing as of the date of this Agreement. At its sole cost and expense, Seller shall obtain any necessary permits for the activities of Seller pursuant to this Agreement, and all such activities shall comply in all respects with all applicable requirements of Environmental Laws. Seller shall not be considered in breach of its obligations under this Agreement so long as Seller is taking appropriate, timely efforts toward achieving the Remediation Objectives.

- ii. Except as provided in subparagraphs (c) and (d), Seller shall have no obligation to perform Remediation Work under this Agreement with respect to Environmental Conditions to the extent such Remediation Work is necessary by reason of Environmental Conditions that arise out of, result from, were or are exacerbated by Buyer's use or operation of, or activities at, the Property, in which event such Remediation Work shall be the responsibility of Buyer at its sole cost and expense.
- iii. Seller shall have no obligation to perform Remediation Work under this Agreement with respect to Environmental Conditions present (now or in the future) in the interior of any buildings on the Property, including but not limited to piping, structural members, electrical or mechanical systems, equipment, fixtures or asbestos or asbestos-containing materials. The preceding sentence shall not apply to Environmental Conditions present under any buildings on the Property.
- iv. Buyer shall be responsible for the first \$100,000 of cost and expense for Remediation Work related to the removal of any hydraulic lifts on the Property and associated contamination. Seller and Buyer shall bear such costs and expenses from \$100,001 to \$300,000 equally, and Buyer shall be responsible for all such costs and expenses in excess of \$300,000.
- v. Seller shall provide Buyer with copies of all correspondence, notifications, reports, analyses, and/or other information Seller sends or receives from IDEM in connection with any Remediation Work at, on, or under the

Property or from any governmental agency with respect to the Property's compliance with Environmental Laws.

c. Use of the Property.

- i. Buyer agrees to accept those Engineering Controls and Institutional Controls, including but not limited to executing and recording deed restrictions and capping of certain areas of the Property, needed to accomplish the Remediation Objectives. Buyer specifically agrees that the Property shall not be used for purposes or activities inconsistent with attaining and maintaining the Remediation Objectives. Without limiting the foregoing, Buyer specifically agrees the Property shall not be used for residential activities or for any nonindustrial activities, including without limitation hotels, hospitals, daycare centers, schools, bulk food storage or processing, or outdoor recreation. Seller acknowledges that Buyer's current use of the Property (for offices, warehousing and laboratory uses) is an industrial activity consistent with attaining and maintaining the Remediation Objectives.
- ii. Buyer also specifically agrees not to extract or use groundwater under, in, or about the Property for any purpose other than Remediation Work, unless Seller in its sole discretion consents in writing to such other use.
- iii. Buyer shall not alter, change, modify, damage or disturb any Engineering Controls and Institutional Controls without Seller's prior written consent, which consent shall not be unreasonably withheld. In the event Buyer alters, changes, modifies, damages or disturbs any Engineering Controls or

Institutional Controls, with or without Seller's consent, Buyer shall be responsible, at Buyer's sole cost and expense, for (i) restoring as near as reasonably possible such Engineering or Institutional Controls to their pre-existing condition, and (ii) any additional Remediation Work caused by any such alteration, change, repair, modification, damage or disturbance.

iv. If Seller (or Seller's employees, contractors, invitees or agents) performs any Remediation Work (including any related Institutional or Engineering Controls) pursuant to this Agreement and such Remediation Work is not part of the Remediation Work listed on Exhibit C, Seller shall reimburse Buyer, within thirty (30) days of a written request by Buyer, for Buyer's actual out-of-pocket costs and expenses (excluding any lost profits or consequential damages) of relocating Buyer's ongoing activities that are materially and directly disrupted by such Remediation Work (which costs and expenses are referred to herein as "Buyer's Relocation Costs"). Seller shall not be responsible to reimburse Buyer's Relocation Costs if the disruption caused by the Remediation Work commences more than twenty (20) years after the Closing. Further, Seller shall be responsible to reimburse Buyer's Relocation Costs only if the relocation is:

- (1) to another location within a pre-existing structure at the Property, if available; if such a structure is not available, then
- (2) to a one of Seller's facilities in the South Bend area, if available; if such a facility is not available, then

- (3) to a facility in the South Bend area, of a size reasonably necessary to accommodate the ongoing activities that are materially and directly disrupted by the Remediation Work referred to in the first sentence of this paragraph 3(d).

Additionally, if Seller is obligated to perform Remediation Work not listed on **Exhibit C** (including any related Institutional or Engineering Controls) pursuant to this Agreement and such Remediation Work materially and directly disrupts Buyer's ongoing use of more than two thousand square feet (2,000 sq. ft.) of floor area in the Property (the total area of which shall be referred to herein as the "Interruption Area") for more than fourteen consecutive days, Seller shall thereafter pay to Buyer a "Daily Interruption Fee" calculated as a daily rate based on \$2.50 per square foot per year (\$2.50/sq. ft./yr.) for each square foot of floor area in the Interruption Area for each day after the fourteenth day until such material and direct disruption ceases. Seller's obligation to pay the Daily Interruption Fees and the Buyer's Relocation Costs shall not exceed, in the aggregate, one million dollars (\$1,000,000).

- v. Buyer shall provide thirty days advance written notice to Seller prior to performing any construction activities at the Property, or any other activities that Buyer reasonably expects will disturb or impact impervious cover, soils or groundwater at, on or under the Property. To the extent such activities are directly related to the items listed on **Exhibit D** and generate contaminated soils or debris, Seller shall provide analysis, storage and/or disposal of such wastes at no cost to Buyer; otherwise, Buyer shall be responsible at its sole cost and expense for any Remediation Work arising out of such activities.

- vi. Upon request by Seller, and to the extent reasonably required to enable Seller to complete the Remediation Work on the Property consistent with the Remediation Objectives and this Agreement, Buyer shall promptly execute (in recordable form, if necessary) any applications, submissions, affidavits, certifications or deed or use restrictions relating to such Remediation Work. Without limiting the foregoing, the parties specifically acknowledge that additional deed restrictions consistent with the Remediation Objectives may be necessary in connection with Seller's performance and/or completion of Remediation Work. Buyer agrees to accept, execute and record such appropriate deed restrictions to permit Seller to accomplish the Remediation Objectives. Seller shall bear the cost of drafting and recording such documents.
- d. Seller's Right of Access. Upon reasonable notice (or in the case of an emergency, at any time), Buyer shall allow Seller and such agents, contractors, employees or other representatives of Seller (and appropriate representatives of IDEM) access to the Property for purposes related to the conduct of Remediation Work. Seller's Remediation Work shall, to the extent practicable, avoid dislocation or interruption of, or interference with, Buyer's use of the Property. To the extent such dislocation, interruption of, or interference with Buyer's use cannot practicably be avoided, Seller shall conduct its Remediation Work and any associated activities so as to minimize dislocation, interruption of, or interference with Buyer's use of the Property.

- c. Change of Ownership. The parties' liabilities and obligations under this Agreement shall not be released or limited in any way by any lease, sublease, or other agreement relating to the Property, including the Agreement of Sale, or by any sale, mortgage, assignment, or transfer of the Property or any part of or interest in the Property.
- f. Survival. This Agreement, and Seller's and Buyer's liabilities and obligations under this Agreement, shall survive the consummation of the transactions contemplated by the Agreement of Sale. The rights granted to Seller and the obligations of Buyer under this Agreement shall run with the land and be binding upon the Buyer, its successors and assigns and upon all grantees of title to the Property, or any part thereof, and shall inure to the benefit of the Seller and its successors and assigns. Seller, with Buyer's cooperation, shall record this Agreement with the deed for the Property immediately following transfer of the Property pursuant to the Agreement of Sale.
- g. Seller's Indemnification of Buyer. Subject to the terms and conditions of this Agreement, Seller agrees to indemnify, defend, and hold harmless Buyer and Buyer's directors, officers, shareholders and employees from any Losses arising out of:
 - i. Any Environmental Condition existing as of the date of this Agreement, except as otherwise provided in this Agreement; and
 - ii. Any breach of, or any failure by Seller to perform, Seller's obligations under this Agreement; and

- iii. Any violation of Environmental Law at, or related to operations at, the Property (i) existing at or prior to March 31, 1996, or (ii) caused by Seller, or by Seller's employees, contractors, invitees or agents after March 31, 1996.
- h. Buyer's Indemnification of Seller. Subject to the terms and conditions of this Agreement, Buyer agrees to indemnify, defend, and hold harmless Seller and Seller's directors, officers, shareholders and employees from any Losses arising out of:
 - i. any Environmental Condition caused by Buyer, or by Buyer's employees, contractors, invitees or agents;
 - ii. Any breach of, or Buyer's failure to perform, Buyer's obligations under this Agreement; and
 - iii. Any violation of Environmental Law at, or related to operations at, the Property occurring after March 31, 1996, to the extent not caused by Seller or Seller's employees, contractors, invitees or agents.
- i. Dispute Resolution. The parties agree that in the event any dispute arises between the parties with respect to any matters set forth in this Agreement or any Exhibit attached hereto or instrument to be signed by the parties in connection with the transactions contemplated hereby, the parties, in good faith, shall meet, confer and attempt to reach an amicable resolution of the dispute. If the parties fail to resolve the dispute within thirty (30) days (or within such longer period of time as the parties may agree upon in writing), then either party may submit the dispute to binding arbitration before three (3) arbitrators sitting in St. Joseph County, Indiana, following the applicable procedures and commercial arbitration rules of the American

Arbitration Association (the "AAA"). The parties agree that the procedure specified in this Paragraph 9 shall be the sole and exclusive procedure for resolution of all disputes with respect to this Agreement, any Exhibit attached hereto or any instrument to be signed by the parties in connection with the transactions contemplated hereby. Upon receipt of a request for arbitration, Seller and Buyer shall each select an attorney licensed to practice law in the State of Indiana with not less than ten (10) years experience in environmental matters (if the dispute involves environmental issues, otherwise the parties may each select an attorney licensed to practice law in the State of Indiana with not less than ten (10) years experience in commercial real estate matters), provided each of the selected attorneys ("Selected Attorneys") shall not have performed any work for Seller or Buyer and shall otherwise be independent. The Selected Attorneys shall, in turn, select a third arbitrator who shall be an environmental remediation specialist engaged in such capacity in the State of Indiana with not less than ten (10) years experience appropriate to the issues in dispute (unless the dispute does not involve an environmental issue, in which case the Selected Attorneys shall select a third arbitrator who shall have at least ten (10) years expertise in the subject matter of the dispute), who shall not have performed any work for Seller or Buyer and shall otherwise be independent. If the Selected Attorneys are unable to agree upon a third arbitrator, then the third arbitrator shall be selected by the AAA. The panel of three arbitrators shall resolve the dispute consistent with the terms of this Agreement. The arbitrators shall hold a hearing in accordance with the applicable rules of the AAA.

within thirty (30) days of the appointment of the third arbitrator. At the hearing, the parties shall have the opportunity to make presentations through any combination of oral argument, exhibits, affidavits, expert reports and limited live testimony. The written decision of the arbitrators must be rendered within thirty (30) days after the close of the hearing or after the close of any post-hearing submission, which shall be submitted within fourteen (14) days after the hearing. The decision of the arbitrators shall be binding upon both parties and may be enforced by a court of competent jurisdiction in the State of Indiana. The costs, including reasonable attorneys' fees and expert witness fees, of the prevailing party in such an arbitration shall be determined by the arbitrators and shall be paid by the non-prevailing party. The arbitrators shall determine which party, if any, is the prevailing party. All or any of the foregoing time periods applicable to the conduct of the arbitration proceeding may be modified by the arbitrators or by the written agreement of Buyer and Seller.

- j. Governing Law. This Agreement and the rights and obligations of the parties hereunder shall in all respects be governed by and construed in accordance with the laws of the State of Indiana without regard to its conflicts of laws principles.
- k. Notices. All notices and other communications hereunder shall be in writing (including wire, telecopy or similar writing) and shall be sent, delivered or mailed, addressed, or telecopied, as provided in the Agreement of Sale.

- i. if to Buyer, to:

Luke Baer
Robert Bosch Corp.
2800 S. 25th Ave.

Broadview, IL 60153
708-865-5257-PH
708-786-3673-FAX

with copies to:

Peter Trybula
Baker & Daniels
Suite 250, First Bank Building
205 West Jefferson Boulevard
South Bend, IN 46601
219-234-4149-PH
219-239-1900-FAX

ii. If to Seller, to:

Charles O. Geadelman
Manager, Remediation and Evaluation Services
Honeywell International Inc.
2701 4th Avenue South
Minneapolis, MN 55408
612-951-2521-PH
612-951-2525-FAX

with a copy to:

Carl C. Meier, Esq.
Assistant General Counsel
Honeywell International Inc.
2701 4th Avenue South
Minneapolis, MN 55408
612-951-0571-PH
612-951-0647-FAX

Each such notice, request or other communication shall be given (i) by nationally recognized courier service or (ii) by United States Postal Service via certified mail or (iii) by telecopy, receipt confirmed by recipient. Each such notice, request or communication shall be effective (i) if delivered by nationally recognized courier service or by United States Postal Service via certified mail, when delivered at the address specified in this Paragraph 10 (or in accordance with the latest unrevoked

direction from such party) and (ii) if given by telecopy, when such telecopy is transmitted to the telecopy number, as the case may be, specified in this Paragraph 10 (or in accordance with the latest unrevoked direction from such party), if confirmation is received from the recipient of the notice.

- l. Parties Bound. This Agreement shall be binding upon, and inure to the benefit of, Seller and Buyer, their successors and assigns. Upon notice to Seller, Buyer may assign its rights under this Agreement to the City of South Bend, Indiana (the "City"), provided the City assumes, in writing, all the obligations of Buyer under this Agreement. In the event any direct or indirect successor or assignee of Buyer fails to perform or breaches any obligations of this Agreement, Buyer shall continue to remain responsible for, and in no event shall Buyer be released from, any of the obligations imposed on Buyer in this Agreement. In the event any direct or indirect successor or assignee of Seller fails to perform or breaches any obligations of this Agreement, Seller shall remain responsible for the obligations imposed on Seller in this Agreement.
- m. Waiver. No failure or delay on Seller's or Buyer's part to exercise any right, power, or privilege under this Agreement shall operate as a waiver of any such right, power or privilege. A separate right of action hereunder shall arise each time Seller or Buyer fails to perform or breaches any term, provision, covenant, or obligation as required under this Agreement. Seller and Buyer hereby waive and covenant not to assert any defense in the nature of splitting causes of action or merger of judgments.
- n. Modification. No provision of this Agreement may be modified or changed, except by an instrument in writing signed by both parties.

IN WITNESS WHEREOF, the parties hereto have hereunto set their respective authorized signatures as of the day and year first above written.

WITNESSES:

Mary Lynn Davis
Annika Weisler

ROBERT BOSCH CORPORATION, a
Delaware corporation

By: [Signature]

Its: Vice President, General Counsel & Secretary

HONEYWELL INTERNATIONAL INC., a
Delaware corporation

[Signature]
[Signature]

By: [Signature]

Timothy G. Spry

Its: Director - Operations and Construction

STATE OF MICHIGAN)
) ss.
COUNTY OF OAKLAND)

The foregoing instrument was acknowledged before me this 11th day of August, 2000, by Timothy G. Spry, Director-Operations and Construction of Honeywell International, Inc., a Delaware corporation, on behalf of the corporation.

[Signature]
Notary Public, _____ County,
State of _____
My Commission Expires: _____

DENNIS G. BRIDGE
Notary Public, Muskegon County, MI
My Commission Expires July 1, 2002

ACTING IN OAKLAND COUNTY

STATE OF Illinois)
) ss.
COUNTY OF Cook)

This instrument was acknowledged before me on this 16 day of August,
2000, by Luke Baer, the Vice President,
Gen. Counsel & Sec. of Robert Bosch
Corporation, a Delaware corporation, on behalf of the corporation.

Rosemarie Noga
Notary Public, Cook County,
State of Illinois
My Commission Expires: 07.14.02

DRAFTED BY AND AFTER
RECORDING RETURN TO:

Robert A. Berlow, Esq.
Dykema Gossett PLLC
39577 Woodward Avenue, Suite 300
Bloomfield Hills, Michigan 48304



BH01\ 262516.1
ID\ RABE

Exhibit A

Legal Description of Parcel A

A parcel of land being a part of the West half of the Southwest Quarter of Section 3, Township 37 North, Range 2 East, Portage Township, St. Joseph County, Indiana and being more particularly described as follows:

Beginning at the intersection of the South right-of-way line of Bendix Drive and the West right-of-way line of Bendix Street; thence South $0^{\circ}-00'-00''$ East along said West right-of-way line of Bendix Street, a distance of 602.98 feet; thence South $45^{\circ}-54'-10''$ East along the Southwesterly right-of-way line of Washington Street, a distance of 237.97 feet to the South line of said West half of the Southwest Quarter; thence North $89^{\circ}-54'-05''$ West along said South line, a distance of 402.31 feet to the Northeasterly right-of-way line of the Chicago South Shore and South Bend Railroad; thence North $62^{\circ}-42'-17''$ West along said Northeasterly right-of-way line, a distance of 394.85 feet; thence North $24^{\circ}-58'-43''$ East, a distance of 50.30 feet; thence North $1^{\circ}-01'-45''$ West, a distance of 40.72 feet; thence North $0^{\circ}-09'-03''$ East along the West face of an Industrial Building, a distance of 113.11 feet; thence South $89^{\circ}-58'-21''$ West, a distance of 16.00 feet; thence North $0^{\circ}-09'-03''$ East, a distance of 8.05 feet; thence North $89^{\circ}-57'-00''$ West, a distance of 3.59 feet; thence North $0^{\circ}-08'-44''$ East along the West face of said Industrial Building, a distance of 371.13 feet; thence North $87^{\circ}-38'-33''$ West along said Industrial Building, a distance of 1.85 feet; thence North $3^{\circ}-54'-24''$ West along said Industrial Building and its projection North, a distance of 21.58 feet to the South right-of-way line of Bendix Drive; thence South $89^{\circ}-54'-05''$ East, a distance of 589.54 feet to the place of beginning containing 9.91 acres more or less.

Legal Description of Parcel B

A parcel of land being a part of Southwest Quarter of Section 3, Township 37 North, Range 2 East, Portage Township, City of South Bend, Indiana and being more particularly described as follows:

Beginning at the Northeast corner of Lot 125 Kaley 1st Subdivision as shown in the Office of the Recorder of St. Joseph County, Indiana; thence South $0-00'-00''$ West, a distance of 269.87 feet to the Southeast corner of Lot 84 in said Kaley's 1st Subdivision; thence North $89-54'-05''$ West along the South line of Lots 84, 83, 82, 81, 80 and 79 in said Kaley's 1st Subdivision and Lot 138, 137, 136 and 135 and Kaley's 2nd Subdivision as shown in the Office of the Recorder of St. Joseph County, Indiana, a distance of 464.00 feet to the East right-of-way line of Bendix Street; thence North $0-00'-00''$ East along the said East right-of-way line, a distance of 269.87 feet to the North line of Lot 134 in said Kaley's 2nd Subdivision; thence South $89-54'-05''$ East along the North line of lots 134, 133, 132, 131, 130, 129, 128, 127, 126 and 125 in said Kaley's 2nd Subdivision, a distance of 464.00 feet to the place of beginning.

Legal Description of Parcel C

PARCEL C-1

A parcel of land being a part of Southwest Quarter of Section 3, Township 37 North, Range 2 East, Portage Township, City of South Bend, Indiana and being more particularly described as follows:

Beginning at the Northeast corner of Lot 76 Kaley 1st Subdivision as shown in the Office of the Recorder of St. Joseph County, Indiana; thence South 0-00'-00" West, a distance of 270.28 feet to the Southeast corner of Lot 29 in said Kaley 1st Subdivision; thence North 89-54'-05" West along the South line of Lots 29, 28, 27 in said Kaley's 1st Subdivision and Lots 146, 145, 144 and 143 in Kaley's 2nd Subdivision, a distance of 274.00 feet to the East right-of-way line of Bendix Street; thence North 0-00'-00" East along said East right-of-way line, a distance of 270.28 feet to the North line of Lot 142 in said Kaley's 2nd Subdivision; thence South 89-54'-05" East along the North line of Lots 142, 141, 140 and 139 in said Kaley's 2nd Subdivision and Lots 78, 77 and 76 in said Kaley's 1st Subdivision, a distance of 274.00 feet to the place of beginning.

PARCEL C-2

A parcel of land being a part of Southwest Quarter of Section 3, Township 37 North, Range 2 East, Portage Township, City of South Bend, Indiana and being more particularly described as follows:

Beginning at the Northeast corner of Lot 73 Kaley 1st Subdivision as shown in the Office of the Recorder of St. Joseph County, Indiana; thence South 0-00'-00" West, a distance of 270.28 feet to the Southeast corner of Lot 32; thence North 89-54'-05" West along the South line of Lots 32, 31 and 30, a distance of 130.00 feet to the Southwest corner of Lot 30 in said Kaley's 1st Subdivision; thence North 0-00'-00" East along the West line of Lots 30 and 75 in said Kaley's 1st Subdivision, a distance of 270.28 feet to the Northwest corner of said Lot 75; thence South 89-54'-05" East along the North line of Lots 75, 74 and 73 in said Kaley's 1st Subdivision, a distance of 130.00 feet to the place of beginning.

Legal Description of Parcel D

PARCEL D-1

A parcel of land being a part of Southwest Quarter of Section 3, Township 37 North, Range 2 East, Portage Township, City of South Bend, Indiana and being more particularly described as follows:

Beginning at the Northeast corner of Lot 147 Kaley 2nd Subdivision as shown in the

Office of the Recorder of St. Joseph County, Indiana; thence South 0-00'-00" West, a distance of 64.10 feet to the Northeasterly right-of-way line of Washington Street; thence North 45-54'-10" West along said Northeasterly right-of-way line, a distance of 92.27 feet to the North line of Lot 148 in said Kaley's 2nd Subdivision; thence South 89-54'-05" East along the North line of said Lots 148 and 147, a distance of 66.27 feet to the place of beginning.

PARCEL D-2

A parcel of land being a part of Southwest Quarter of Section 3, Township 37 North, Range 2 East, Portage Township, City of South Bend, Indiana and being more particularly described as follows:

Beginning at the Northeast corner of Lot 24 Kaley's 1st Subdivision as shown in the Office of the Recorder of St. Joseph County, Indiana; thence South 0-00'-00" West, a distance of 128.00 feet to the Southeast corner of said Lot 24; thence North 89-54'-05" West along the South line of Lots 24 and 25, a distance of 77.93 feet to the Northeasterly right-of-way line of Washington Street; thence North 45-54'-10" West along said Northeasterly right-of-way line, a distance of 72.50 feet to the West line of Lot 26 in said Kaley's 1st Subdivision; thence North 0-00'-00" West along the west line of said Lot 26, a distance of 77.64 feet to the Northwest corner of Lot 26; thence South 89-54'-05" East along the North line of Lots 26, 25 and 24, a distance of 130.00 feet to the place of beginning.

PARCEL D-3

A parcel of land being a part of Northwest Quarter of Section 10, Township 37 North, Range 2 East, Portage Township, City of South Bend, Indiana and being more particularly described as follows:

Beginning at the Northeast corner of Lot 101 Subdivision of unplatted Land of West End Subdivision as shown in the Office of the Recorder of St. Joseph County, Indiana; thence South 0-00'-00" West, a distance of 61.38 feet to the Northeasterly right-of-way line of Washington Street; thence North 45-54'-10" West along said Northeasterly right-of-way line, a distance of 88.36 feet to the North line of Lot 102 in said Subdivision of unplatted Land of West End Subdivision; thence South 89-54'-05" East along the North line of said Lots 102 and 101, a distance of 63.46 feet to the place of beginning.

Legal Description of Parcel E

Lot 124 Kaley's 2nd Subdivision as shown in the Office of the Recorder of St. Joseph County, Indiana

Legal Description of Parcel F

Parcel F-1

A parcel of land being a part of the West half of the Southwest Quarter of Section 3, Township 37 North, Range 2 East, City of South Bend, Portage Township, St. Joseph County, Indiana and being more particularly described as follows:

Commencing at the intersection of the Southwesterly right-of-way line of Washington Street with the South line of the Southwest Quarter of Section 3; thence North 89°-54'-05" West along said South line, a distance of 402.31 feet to the Northeasterly right-of-way line of Chicago, South Shore and South Bend Railroad; thence North 64°-42'-17" West along said Northeasterly right-of-way line, a distance of 9.88 feet to the place of beginning; thence continuing North 64°-42'-17" West along said Northeasterly right-of-way line, a distance of 384.97 feet; thence South 26°-09'-48" West, distance of 8.42 feet; thence South 63°-50'-12" East, a distance of 68.45 feet; thence South 48°-59'-55" East, a distance of 16.47 feet; thence South 31°-21'-22" East, a distance of 25.33 feet; thence South 69°-35'-35" East, a distance of 11.74 feet; thence South 59°-39'-23" East, a distance of 40.40 feet; thence South 68°-56'-55" East, a distance of 70.03 feet; thence South 72°-38'-44" East, a distance of 101.25 feet; thence South 75°-44'-00" East, a distance of 58.67 feet to the place of beginning containing 0.16 acres more or less.

Parcel F-2

A parcel of land being a part of the West half of the Northwest Quarter of Section 10, Township 37 North, Range 2 East, City of South Bend, Portage Township, St. Joseph County, Indiana and being more particularly described as follows:

Beginning at the intersection of the Southwesterly right-of-way line of Washington Street with the South line of the Southwest Quarter of Section 3; thence North 89°-54'-05" West along said South line, a distance of 394.59 feet to the Northeasterly right-of-way line of Chicago, South Shore and South Bend Railroad; thence South 75°-44'-00" East, a distance of 159.28 feet; thence South 80°-26'-38" East, a distance of 121.73 feet; thence North 86°-12'-49" East, a distance of 169.66 feet to the Southwesterly right-of-way line of Washington Street; thence North 45°-54'-10" East along said Southwesterly right-of-way line, a distance of 68.37 feet to the place of beginning containing 0.38 acres more or less.

Exhibit B

Index of Seller's Environmental Reports Delivered to Purchaser

Document Description	Dated	Comments
Voluntary Site Investigation Report AlliedSignal Industrial Complex, South Bend, Indiana	04/98	2- Bound Volumes Hand delivered by Ray White on 11/29/99
Plant 9 North Parking Lot Investigation AlliedSignal Industrial Complex, South Bend, Indiana	04/16/99	Hand delivered by Ray White on 11/29/99
Voluntary Site Investigation Tier II Criteria Comparison Report AlliedSignal Industrial Complex, South Bend, Indiana	10/99	Hand delivered by Ray White on 11/29/99
Application for Admittance into the IDEM VRP Program, AlliedSignal Industrial Complex- South Bend, IN	05/26/99	Hand delivered by Ray White on 11/29/99
IDEM Letter of Acceptance into the IDEM Voluntary Remediation Program, South Bend Industrial Complex, South Bend, Indiana	06/10/99	Hand delivered by Ray White on 11/29/99
Voluntary Remediation Agreement AlliedSignal/IDEM VRP	01/27/99	Hand delivered by Ray White on 11/29/99
Design & Installation Report, VOC Recovery System Rehabilitation, AlliedSignal Industrial Complex, South Bend, Indiana	08/98	Provided by HLA – Delivered by Fed-X Overnight on Tuesday, 03/21/00
Semi-Annual Groundwater Monitoring Report, AlliedSignal Industrial Complex, South Bend, Indiana	01/00	Provided by HLA – Delivered by Fed-X Overnight on Tuesday, 03/21/00 Submitted by Don Walsh
Subsurface Soil Assessment Report, Plant 9 Dynamometer Project, Bosch Braking Systems, South Bend, Indiana	02/17/98	Provided by HLA – Delivered by Fed-X Overnight on 03/23/00 Submitted by Don Walsh
Subsurface Soil Assessment Report, Plant 1 Dynamometer Project, Bosch Braking Systems, South Bend Indiana	05/04/98	Provided by HLA – Delivered by Fed-X Overnight on 03/23/00 Submitted by Don Walsh
Soils Assessment, Plant 1 PCB Transformers, AlliedSignal Industrial Complex, South Bend Indiana	05/04/98	Provided by HLA – Delivered by Fed-X Overnight on 03/23/00 Submitted by Don Walsh
Pre-Demolition Structure Sampling, Plant 1/10, AlliedSignal Industrial Complex, South Bend, Indiana	12/18/98	Provided by HLA – Delivered by Fed-X Overnight on 03/23/00 Submitted by Don Walsh
Underground Storage Tank Removal/Initial Site Characterization, AlliedSignal Industrial Complex, South Bend, Indiana	02/28/90	Documents the Plant 9 UST Closures Provided by HLA – Delivered by Fed-X Overnight on 03/23/00
Electronic Figures and Analytical Data for the AlliedSignal Industrial Complex, South Bend IN: 98221310.dwg 98221314.dwg 98221321.dwg 98221322.dwg 98221326.dwg 98221327.dwg 98221328.dwg 98221331.dwg 98221332.dwg	Various	Provided by HLA via e-mail 03/23/00 Submitted by Don Walsh

Electronic copies of the Tier II Criteria Comparison
Tables specific to Plant 1 & 9 provided in excel format,
AlliedSignal Industrial Complex, South Bend, Indiana

10/99

Provided by HLA via e-mail 03/23/00
Submitted by Don Walsh

Exhibit C

- (a) Installation and operation of soil vapor extraction system, and related treatment system, in the northeast corner of Plant 1, the location and extent of which is generally described in Exhibit C-1.
- (b) Installation and operation of additional groundwater extraction well, and associated utilities and equipment, in the area of the northeast corner of Plant 1, the location and extent of which is generally described in Exhibit C-2.
- (c) Investigation within eighteen (18) months after Closing and remediation (if necessary) of possible contamination in the area of the former cyanide tank in Plant 10.
- (d) Investigation within eighteen (18) months after Closing and remediation (if necessary) of possible contamination in the area of the transformers currently or formerly located just south of the west end of Plant 10.

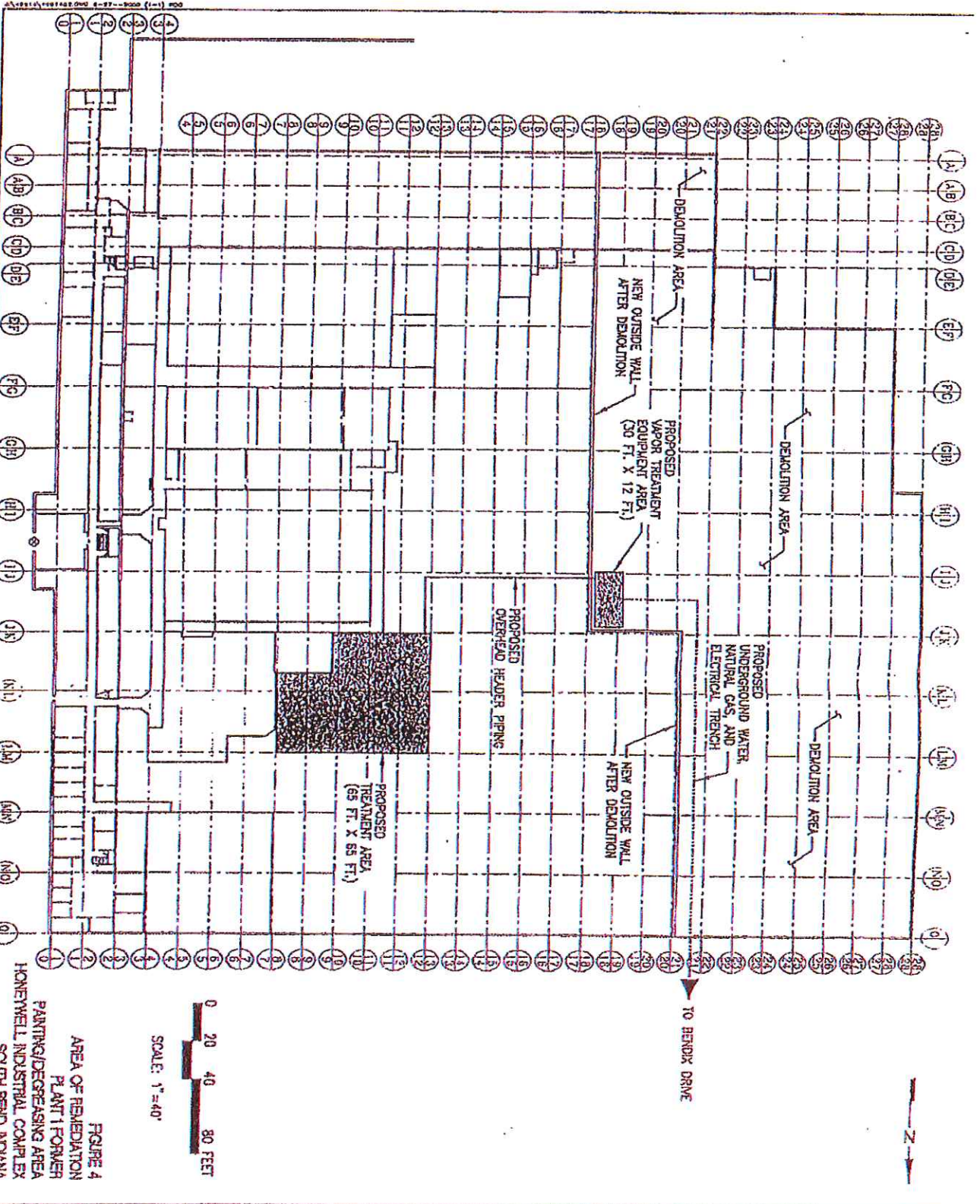
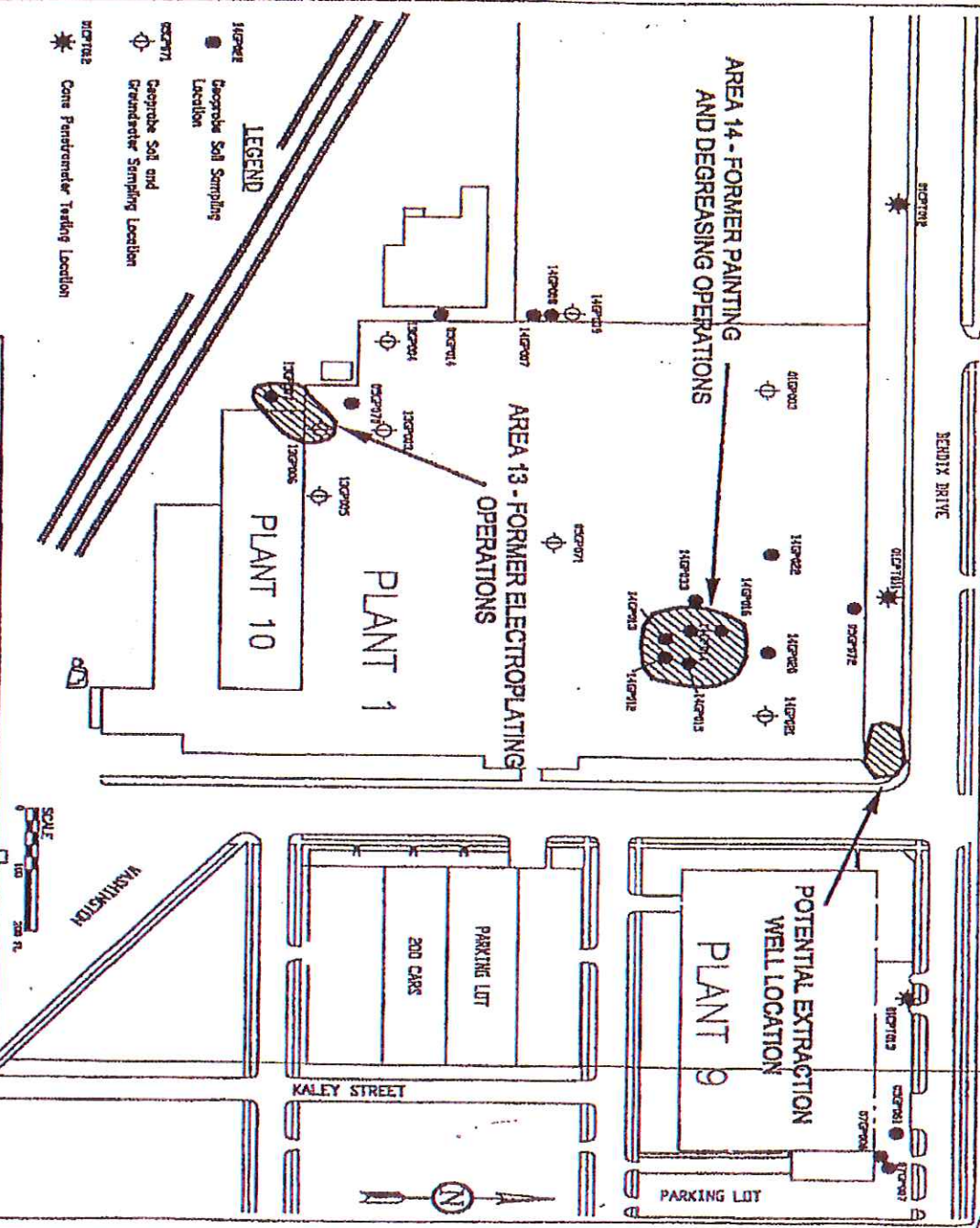


FIGURE 4
 AREA OF REMEDIATION
 PLANT 1 FORMER
 PAINTING/DEGREASING AREA
 HONEYWELL INDUSTRIAL COMPLEX
 SOUTH BEND, INDIANA
 Harding Lammert Associates



- NOTES:**
1. Base map adapted from Voluntary Site Investigation Database, Honeywell Industrial Complex, South Bend, Indiana

FIGURE 3
 AREA OF POTENTIAL REMEDIAL ACTION
 PLANT 1, 9 AND 10 AREA
 HONEYWELL INDUSTRIAL COMPLEX
 SOUTH BEND, INDIANA

Harding Lawson Associates
 Engineering and
 Environmental Services

DRAWN BY: **SDM** JOB NUMBER: **49914**
 APPROVED: _____ DATE: **03/29/00**
 REVISION DATE: **03/29/00**

Exhibit C-1

Exhibit D

1. Installation of fencing at the Property within eighteen (18) months after Closing.
2. Installation of outside light poles at the Property within eighteen (18) months after Closing.
3. Installation of trenches to route utilities to equipment at the Property within eighteen (18) months after Closing.
4. Placing concrete caps over vacant pits at the Property filled with sand within eighteen (18) months after Closing.
5. Cutting the curb and constructing a paved surface from the curb to the existing concrete building floor together with asphalt paving atop the existing concrete building floor to construct an access and drive along the West side of the Property within eighteen (18) months after Closing.

0044132

RECORDED ON

09-18-2000 4:28:43

TERRI J. BETHUNE
ST. JOSEPH COUNTY
RECORDER

REC. FEE: 66.00
PAGES: 29

WEAVER BOOS CONSULTANTS NORTH CENTRAL, LLC

Environmental Site Assessment User Questionnaire

This questionnaire is based upon the American Society for Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (E 1527-05).

Project Name: Bosch Site Decommissioning Project

Address: 401 N. Bendix Drive/2721 W. Kenwood South Bend, Indiana

4. Relationship of the purchase price to the fair market value of the Property if it were not contaminated (40 CFR 312.29). Does the purchase price being paid for the Property reflect fair market value of the Property? If there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the Property? **N/A**

5. Commonly known or reasonably ascertainable information about the property (40 CFR 312.30). Are you aware of commonly known or reasonably ascertainable information about the Property or adjoining properties that would help Weaver Boos to identify conditions indicative of releases or threatened releases? For example as a user:
 - a) Do you know the past uses of the Property or adjoining properties? **Only general awareness, not detailed knowledge.**

 - b) Do you know the specific chemicals that are present or once were present at the Property or adjoining properties? **No**

 - c) Do you know of spills or chemical releases that have taken place at the Property or adjoining properties? **No – only what is in previous reports.**

 - d) Do you know of any environmental cleanups that have taken place at the Property or adjoining properties? **Only general awareness, not specifics.**

WEAVER BOOS CONSULTANTS NORTH CENTRAL, LLC

Environmental Site Assessment User Questionnaire

This questionnaire is based upon the American Society for Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (E 1527-05).

Project Name: Bosch Site Decommissioning Project

Address: 401 N. Bendix Drive/2721 W. Kenwood South Bend, Indiana

6. The degree of obviousness of the likely presence of contamination at the Property, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31). *As the user of this Phase I ESA, based on your knowledge and experience related to the Property, are there any obvious indicators that point to the presence or likely presence of contamination?*

Adjacent property owner (who is previous owner of this property) is in the Indiana Voluntary Remediation Program.

The respondent of the questionnaire must complete and sign the following statement.

This questionnaire was completed by:

Name: Ann Kolata

Title: Senior Redevelopment Specialist

Firm: City of South Bend, Department of Community & Economic Development


Address: 227 W. Jefferson Boulevard, Suite 1200 South Bend, Indiana 46601

Phone Number: 574-235-9374

Date: October 27, 2011

The respondent represents that to the best of the respondent's knowledge the above statements and facts are true and correct and to the best of the respondent's actual knowledge, no material facts have been suppressed or misstated.

Print Name (Respondent): Ann E. Kolata

Signature (Respondent): 

Date: October 27, 2011

0040365

24

(3)
(B)

A disclosure document delivered by a transferor of property under this chapter must follow this form:

A WARNING TO THE PARTIES TO A TRANSFER OF PROPERTY: it is highly unlikely that the single act of reading this document would be found to constitute "all appropriate inquiry into the previous ownership and uses of the property" so as to protect you against liability under the "innocent purchaser" provision of the federal Comprehensive Environmental Response, Compensation and Liability Act (42 U.S.C. 9601(35)(B)). You are strongly encouraged not only to read this document carefully but also to take all other actions necessary to the exercise of due diligence in your inquiry into the previous ownership and uses of the property.

**ENVIRONMENTAL DISCLOSURE DOCUMENT FOR
TRANSFER OF REAL PROPERTY**

DO NOT WRITE IN THESE SPACES
JUL 22 10 08 AM '08

For Use By County Recorder's Office County

The following information is provided under IC 13-25-3, the Responsible Property Transfer Law.

Date: _____
Doc. No.: _____
Vol.: _____

Rec'd by: _____

I. PROPERTY IDENTIFICATION

A. Address of property: 401 North Bendix Drive and 2721 West Kenwood
Street

South Bend Portage
City or Town Township

Tax Parcel Identification Nos. (Key Number): See Exhibit "G" attached hereto

1720800

B. Legal Description: Multiple Parcels

Section 3 Township Portage Range 2
Enter or attach complete legal description in this area: See attached Exhibits "A" through "F"

LIABILITY DISCLOSURE

Transferors and transferees of real property are advised that their ownership or other control of such property may render them liable for environmental cleanup costs whether or not they caused or contributed to the presence of environmental problems in association with the property.

C. Property Characteristics:

Lot Size _____ Acreage Approximately 16.33
Check all types of improvement and uses that pertain to the property:
 Apartment building (6 units or less)
 Commercial apartment (over 6 units)
 Store, office, commercial building
 Industrial buildings
 Farm, with buildings
 Other (specify) - parking areas and vacant land

II. NATURE OF TRANSFER

- A. (1) Is this a transfer by deed or other instrument of conveyance of fee title to property? Yes No _____
- (2) Is this a transfer by assignment of over 25% of beneficial interest of a land trust? Yes _____ No
- (3) A lease exceeding a term of 40 years? Yes _____ No
- (4) A collateral assignment of beneficial interest? Yes _____ No
- (5) An installment contract for the sale of property? Yes _____ No
- (6) A mortgage or trust deed? Yes _____ No
- (7) A lease of any duration that includes an option to purchase? Yes _____ No

B. (1) Identify Transferor:
Honeywell International, Inc.
101 Columbia Road, Morristown, NJ 07962

Name and Current Address of Transferor

N/A

Trust No.

Name and Address of Trustee if this is a transfer of beneficial interest of a land trust.

N/A

(2) Identify person who has completed this form on behalf of the Transferor and who has knowledge of the information contained in this form:
Robert A. Berlow, Esq., Attorney for Transferor
39577 Woodward Avenue, Suite 300, Bloomfield Hills, MI 48304-2820

Name, Position (if any),
and Address

Telephone No.
(248) 203-0771

C. Identify Transferee: Robert Bosch Corporation, a Delaware corporation
2800 South 25th Street
Broadville, IL 60153

Name and Current Address of Transferee

III. ENVIRONMENTAL INFORMATION

A. Regulatory Information During Current Ownership

1. Has the transferor ever conducted operations on the property which involved the generation, manufacture, processing, transportation, treatment, storage, or handling of a "hazardous substance" (as defined by IC 13-11-2-98)? This question does not apply to consumer goods stored or handled by a retailer in the same form and approximate amount, concentration, and manner as they are sold to consumers, unless the retailer has engaged in any commercial mixing (other than paint mixing or tinting of consumer sized containers), finishing, refinishing, servicing, or cleaning operations on the property.

Yes No

2. Has the transferor ever conducted operations on the property which involved the processing, storage, or handling of petroleum, other than that which was associated directly with the transferor's vehicle usage?

Yes X No _____

3. Has the transferor ever conducted operations on the property which involved the generation, transportation, storage, treatment, or disposal of "hazardous waste" (as defined in IC 13-11-2-99(a))?

Yes X No _____

4. Are there any of the following specific units (operating or closed) at the property that are used or were used by the transferor to manage hazardous wastes, hazardous substances, or petroleum?

	YES	NO
Landfill	<u> _____ </u>	<u> X </u>
Surface Impoundment	<u> _____ </u>	<u> X </u>
Land Application	<u> _____ </u>	<u> X </u>
Waste Pile	<u> _____ </u>	<u> X </u>
Incinerator	<u> _____ </u>	<u> X </u>
Storage Tank (Above Ground)	<u> X </u>	<u> _____ </u>
Storage Tank (Underground)	<u> X </u>	<u> _____ </u>
Container Storage Area	<u> _____ </u>	<u> X </u>
Injection Wells	<u> X </u>	<u> _____ </u>
Wastewater Treatment Units	<u> _____ </u>	<u> X </u>
Septic Tanks	<u> _____ </u>	<u> X </u>
Transfer Stations	<u> _____ </u>	<u> X </u>
Waste Recycling Operations	<u> X </u>	<u> _____ </u>
Waste Treatment Detoxification	<u> X </u>	<u> _____ </u>
Other Land Disposal Area	<u> _____ </u>	<u> X </u>

If there are "YES" answers to any of the above items and the transfer of property that requires the filing of this document is other than a mortgage or trust deed or a collateral assignment of beneficial interest in a land trust, you must attach to the copies of this document that you file with the county recorder and the department of environmental management a site plan that identifies the location of each unit. See attached Exhibit "H".

5. Has the transferor ever held any of the following in regard to this real property?
- (A) Permits for discharges of wastewater to waters of Indiana. Yes No
- (B) Permits for emissions to the atmosphere. Yes No
- (C) Permits for any waste storage, waste treatment, or waste disposal operation. Yes No
6. Has the transferor ever discharged any wastewater (other than sewage) to a publicly owned treatment works? Yes No
7. Has the transferor been required to take any of the following actions relative to this property? Yes No
- (A) Filed an emergency and hazardous chemical inventory form pursuant to the federal Emergency Planning and Community Right-to-Know Act of 1986 (42 U.S.C. 11022). Yes No
- (B) Filed a toxic chemical release form pursuant to the federal Emergency Planning and Community Right-to-Know Act of 1986 (42 U.S.C. 11023). Yes No
8. Has the transferor or any facility on the property or the property been the subject of any of the following state or federal governmental actions?
- (A) Written notification regarding known, suspected, or alleged contamination on or emanating from the property. Yes No
- (B) Filing an environmental enforcement case with a court or the solid waste management board for which a final order or consent decree was entered. Yes No
- (C) If the answer to question (B) was Yes, then indicate whether or not the final order or decree is still in effect for this property. Yes No

9. Environmental Releases During Transferor's Ownership.

- (A) Has any situation occurred at this site which resulted in a reportable "release" of any hazardous substances or petroleum as required under state or federal laws? Yes No
- (B) Have any hazardous substances or petroleum which were released come into direct contact with the ground at this site? Yes No

If the answer to question (A) or (B) is Yes, have any of the following actions or events been associated with a release on the property?

- Yes Use of a cleanup contractor to remove or treat materials including soils, pavement, or other surficial materials?
- No Assignment of in-house maintenance staff to remove or treat materials including soils, pavement, or other surficial materials?
- Yes Sampling and analysis of soils?
- Yes Temporary or more long term monitoring of groundwater at or near the site?
- No Impaired usage of an onsite or nearby water well because of offensive characteristics of the water?
- No Coping with fumes from subsurface storm drains or inside basements?
- No Signs of substances leaching out of the ground along the base of slope or at other low points on or immediately adjacent to the site?
- (C) Is there an environmental defect (as defined in IC 13-11-2-70) on the property that is not reported under question (A) or (B)? Yes No

If the answer is Yes, describe the environmental defect:

Soil and ground water contamination

10. Is the facility currently operating under a variance granted by the commissioner of the Indiana department of environmental management?
Yes _____ No X

11. Has the transferor ever conducted an activity on the site without obtaining a permit from the U.S. Environmental Protection Agency, the commissioner of the department of environmental management, or another administrative agency or authority with responsibility for the protection of the environment, when such a permit was required by law?
Yes _____ No X

If the answer is Yes, describe the activity:

N/A

12. Is there any explanation needed for clarification of any of the above answers or responses?

N/A

B. Site Information Under Other Ownership Or Operation

1. Provide the following information about the previous owner or about any entity or person to whom the transferor leased the property or with whom the transferor contracted for the management of the property:

Name: N/A

Type of business or property usage: _____

2. If the transferor has knowledge, indicate whether the following existed under prior ownerships, leaseholds granted by the transferor, or other contracts for management or use of the property: N/A

	YES	NO
Landfill	___	___
Surface Impoundment	___	___
Land Application	___	___
Waste Pile	___	___
Incinerator	___	___
Storage Tank (Above Ground)	___	___
Storage Tank (Underground)	___	___
Container Storage Area	___	___
Injection Wells	___	___
Wastewater Treatment Units	___	___
Septic Tanks	___	___
Transfer Stations	___	___
Waste Recycling Operations	___	___
Waste Treatment Detoxification	___	___
Other Land Disposal Area	___	___

IV. CERTIFICATION

- A. Based on my inquiry of those persons directly responsible for gathering the information, I certify that the information submitted is, to the best of my knowledge and belief, true and accurate.

HONEYWELL INTERNATIONAL, INC.


By: Timothy J. Spry, Director, Operations and Construction

TRANSFEROR (or on behalf of Transferor)

Es. This form was delivered to me with all elements completed on August 16,
2000.

ROBERT BOSCH CORPORATION

By: 

Luke Baer

TRANSFeree (or on behalf of Transferee)

DH01W 258528.1W RABE

EXHIBIT A

Legal Description of Parcel A

A parcel of land being a part of the West half of the Southwest Quarter of Section 3, Township 37 North, Range 2 East, Portage Township, St. Joseph County, Indiana and being more particularly described as follows:

Beginning at the intersection of the South right-of-way line of Bendix Drive and the West right-of-way line of Bendix Street; thence South $0^{\circ}-00'-00''$ East along said West right-of-way line of Bendix Street, a distance of 602.98 feet; thence South $45^{\circ}-54'-10''$ East along the Southwesterly right-of-way line of Washington Street, a distance of 237.97 feet to the South line of said West half of the Southwest Quarter; thence North $89^{\circ}-54'-05''$ West along said South line, a distance of 402.31 feet to the Northeasterly right-of-way line of the Chicago South Shore and South Bend Railroad; thence North $62^{\circ}-42'-17''$ West along said Northeasterly right-of-way line, a distance of 394.85 feet; thence North $24^{\circ}-58'-43''$ East, a distance of 50.30 feet; thence North $1^{\circ}-01'-45''$ West, a distance of 40.72 feet; thence North $0^{\circ}-09'-03''$ East along the West face of an Industrial Building, a distance of 113.11 feet; thence South $89^{\circ}-58'-21''$ West, a distance of 16.00 feet; thence North $0^{\circ}-09'-03''$ East, a distance of 8.05 feet; thence North $89^{\circ}-57'-00''$ West, a distance of 3.59 feet; thence North $0^{\circ}-08'-44''$ East along the West face of said Industrial Building, a distance of 371.13 feet; thence North $87^{\circ}-38'-33''$ West along said Industrial Building, a distance of 1.85 feet; thence North $3^{\circ}-54'-24''$ West along said Industrial Building and its projection North, a distance of 21.58 feet to the South right-of-way line of Bendix Drive; thence South $89^{\circ}-54'-05''$ East, a distance of 589.54 feet to the place of beginning containing 9.91 acres more or less.

Legal Description of Parcel B

A parcel of land being a part of Southwest Quarter of Section 3, Township 37 North, Range 2 East, Portage Township, City of South Bend, Indiana and being more particularly described as follows:

Beginning at the Northeast corner of Lot 125 Kaley 1st Subdivision as shown in the Office of the Recorder of St. Joseph County, Indiana; thence South 0-00'-00" West, a distance of 269.87 feet to the Southeast corner of Lot 84 in said Kaley's 1st Subdivision; thence North 89-54'-05" West along the South line of Lots 84, 83, 82, 81, 80 and 79 in said Kaley's 1st Subdivision and Lot 138, 137, 136 and 135 and Kaley's 2nd Subdivision as shown in the Office of the Recorder of St. Joseph County, Indiana, a distance of 464.00 feet to the East right-of-way line of Bendix Street; thence North 0-00'-00" East along the said East right-of-way line, a distance of 269.87 feet to the North line of Lot 134 in said Kaley's 2nd Subdivision; thence South 89-54'-05" East along the North line of lots 134, 133, 132, 131, 130, 129, 128, 127, 126 and 125 in said Kaley's 2nd Subdivision, a distance of 464.00 feet to the place of beginning.

Legal Description of Parcel C

PARCEL C-1

A parcel of land being a part of Southwest Quarter of Section 3, Township 37 North, Range 2 East, Portage Township, City of South Bend, Indiana and being more particularly described as follows:

Beginning at the Northeast corner of Lot 76 Kaley 1st Subdivision as shown in the Office of the Recorder of St. Joseph County, Indiana; thence South 0-00'-00" West, a distance of 270.28 feet to the Southeast corner of Lot 29 in said Kaley 1st Subdivision; thence North 89-54'-05" West along the South line of Lots 29, 28, 27 in said Kaley's 1st Subdivision and Lots 146, 145, 144 and 143 in Kaley's 2nd Subdivision, a distance of 274.00 feet to the East right-of-way line of Bendix Street; thence North 0-00'-00" East along said East right-of-way line, a distance of 270.28 feet to the North line of Lot 142 in said Kaley's 2nd Subdivision; thence South 89-54'-05" East along the North line of Lots 142, 141, 140 and 139 in said Kaley's 2nd Subdivision and Lots 78, 77 and 76 in said Kaley's 1st Subdivision, a distance of 274.00 feet to the place of beginning.

PARCEL C-2

A parcel of land being a part of Southwest Quarter of Section 3, Township 37 North, Range 2 East, Portage Township, City of South Bend, Indiana and being more particularly described as follows:

Beginning at the Northeast corner of Lot 73 Kaley 1st Subdivision as shown in the Office of the Recorder of St. Joseph County, Indiana; thence South 0-00'-00" West, a distance of 270.28 feet to the Southeast corner of Lot 32; thence North 89-54'-05" West along the South line of Lots 32, 31 and 30, a distance of 130.00 feet to the Southwest corner of Lot 30 in said Kaley's 1st Subdivision; thence North 0-00'-00" East along the West line of Lots 30 and 75 in said Kaley's 1st Subdivision, a distance of 270.28 feet to the Northwest corner of said Lot 75; thence South 89-54'-05" East along the North line of Lots 75, 74 and 73 in said Kaley's 1st Subdivision, a distance of 130.00 feet to the place of beginning.

Legal Description of Parcel D**PARCEL D-1**

A parcel of land being a part of Southwest Quarter of Section 3, Township 37 North, Range 2 East, Portage Township, City of South Bend, Indiana and being more particularly described as follows:

Beginning at the Northeast corner of Lot 147 Kaley 2nd Subdivision as shown in the Office of the Recorder of St. Joseph County, Indiana; thence South 0-00'-00" West, a distance of 64.10 feet to the Northeasterly right-of-way line of Washington Street; thence North 45-54'-10" West along said Northeasterly right-of-way line, a distance of 92.27 feet to the North line of Lot 148 in said Kaley's 2nd Subdivision; thence South 89-54'-05" East along the North line of said Lots 148 and 147, a distance of 66.27 feet to the place of beginning.

PARCEL D-2

A parcel of land being a part of Southwest Quarter of Section 3, Township 37 North, Range 2 East, Portage Township, City of South Bend, Indiana and being more particularly described as follows:

Beginning at the Northeast corner of Lot 24 Kaley's 1st Subdivision as shown in the Office of the Recorder of St. Joseph County, Indiana; thence South 0-00'-00" West, a distance of 128.00 feet to the Southeast corner of said Lot 24; thence North 89-54'-05" West along the South line of Lots 24 and 25, a distance of 77.93 feet to the Northeasterly right-of-way line of Washington Street; thence North 45-54'-10" West along said Northeasterly right-of-way line, a distance of 72.50 feet to the West line of Lot 26 in said Kaley's 1st Subdivision; thence North 0-00'-00" West along the west line of said Lot 26, a distance of 77.64 feet to the Northwest corner of Lot 26; thence South 89-54'-05" East along the North line of Lots 26, 25 and 24, a distance of 130.00 feet to the place of beginning.

PARCEL D-3

A parcel of land being a part of Northwest Quarter of Section 10, Township 37 North, Range 2 East, Portage Township, City of South Bend, Indiana and being more particularly described as follows:

Beginning at the Northeast corner of Lot 101 Subdivision of unplatted Land of West End Subdivision as shown in the Office of the Recorder of St. Joseph County, Indiana; thence South 0-00'-00" West, a distance of 61.38 feet to the Northeasterly right-of-way line of Washington Street; thence North 45-54'-10" West along said Northeasterly right-of-way line, a distance of 88.36 feet

Legal Description of Parcel E

**Lot 124 Kaley's 2nd Subdivision as shown in the Office of the Recorder of St. Joseph County,
Indiana.**

Legal Description of Parcel F

Parcel F-1

A parcel of land being a part of the West half of the Southwest Quarter of Section 3, Township 37 North, Range 2 East, City of South Bend, Portage Township, St. Joseph County, Indiana and being more particularly described as follows:

Commencing at the intersection of the Southwesterly right-of-way line of Washington Street with the South line of the Southwest Quarter of Section 3; thence North 89°-54'-05" West along said South line, a distance of 402.31 feet to the Northeasterly right-of-way line of Chicago, South Shore and South Bend Railroad; thence North 64°-42'-17" West along said Northeasterly right-of-way line, a distance of 9.88 feet to the place of beginning; thence continuing North 64°-42'-17" West along said Northeasterly right-of-way line, a distance of 384.97 feet; thence South 26°-09'-48" West, a distance of 8.42 feet; thence South 63°-50'-12" East, a distance of 68.45 feet; thence South 48°-59'-55" East, a distance of 16.47 feet; thence South 31°-21'-22" East, a distance of 25.33 feet; thence South 69°-35'-35" East, a distance of 11.74 feet; thence South 59°-39'-23" East, a distance of 40.40 feet; thence South 68°-56'-55" East, a distance of 70.03 feet; thence South 72°-38'-44" East, a distance of 101.25 feet; thence South 75°-44'-00" East, a distance of 58.67 feet to the place of beginning containing 0.16 acres more or less.

Parcel F-2

A parcel of land being a part of the West half of the Northwest Quarter of Section 10, Township 37 North, Range 2 East, City of South Bend, Portage Township, St. Joseph County, Indiana and being more particularly described as follows:

Beginning at the intersection of the Southwesterly right-of-way line of Washington Street with the South line of the Southwest Quarter of Section 3; thence North 89°-54'-05" West along said South line, a distance of 394.59 feet to the Northeasterly right-of-way line of Chicago, South Shore and South Bend Railroad; thence South 75°-44'-00" East, a distance of 159.28 feet; thence South 80°-26'-38" East, a distance of 121.73 feet; thence North 86°-12'-49" East, a distance of 169.66 feet to the Southwesterly right-of-way line of Washington Street; thence North 45°-54'-10" East along said Southwesterly right-of-way line, a distance of 62.37 feet to the place of beginning containing 0.38 acres more or less.

EXHIBIT "G"

Tax Parcel Identification Nos.

Key No. 18-2040-138701

Key No. 18-2066-2430

Key No. 18-2066-2450

Key No. 18-2066-2453

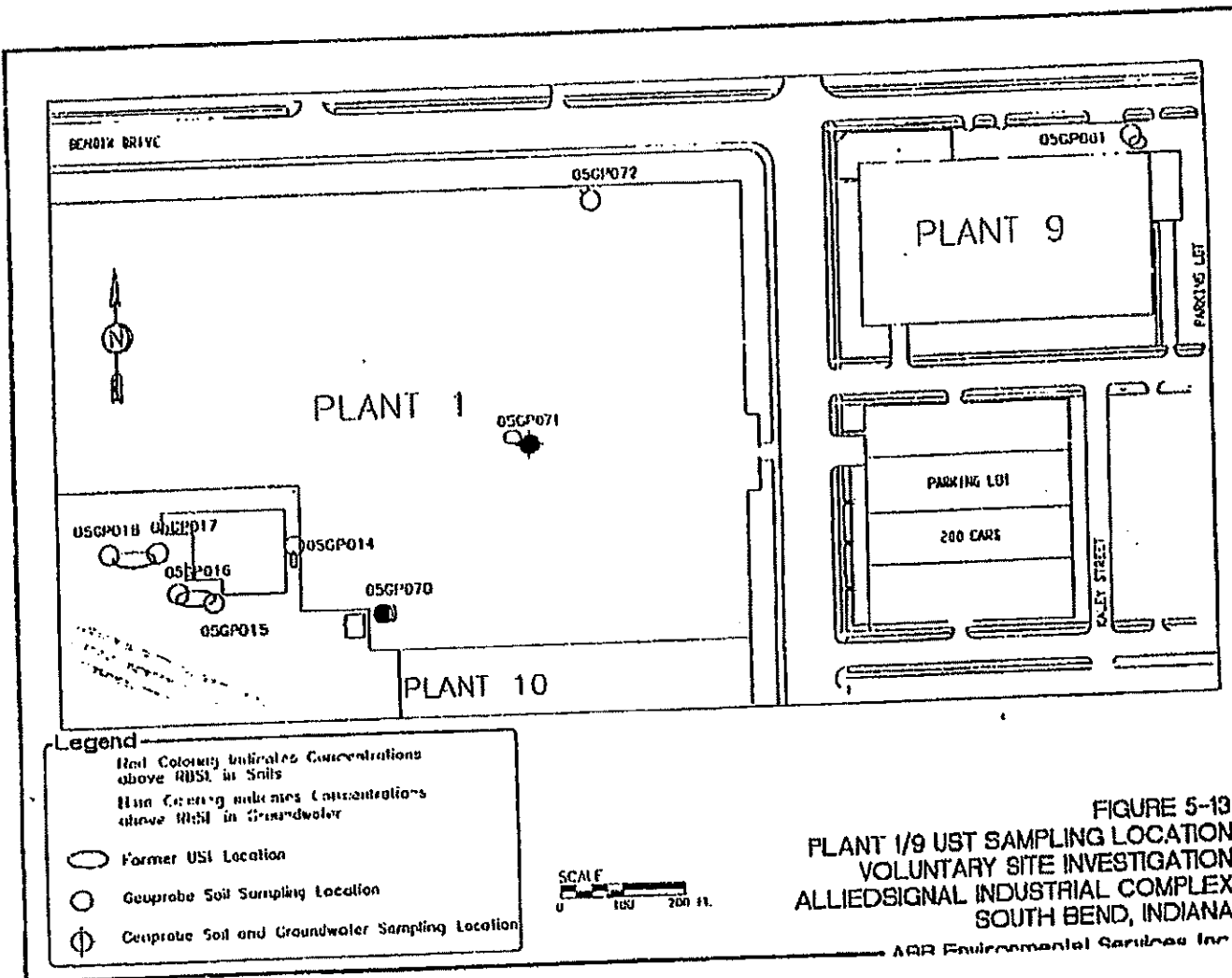
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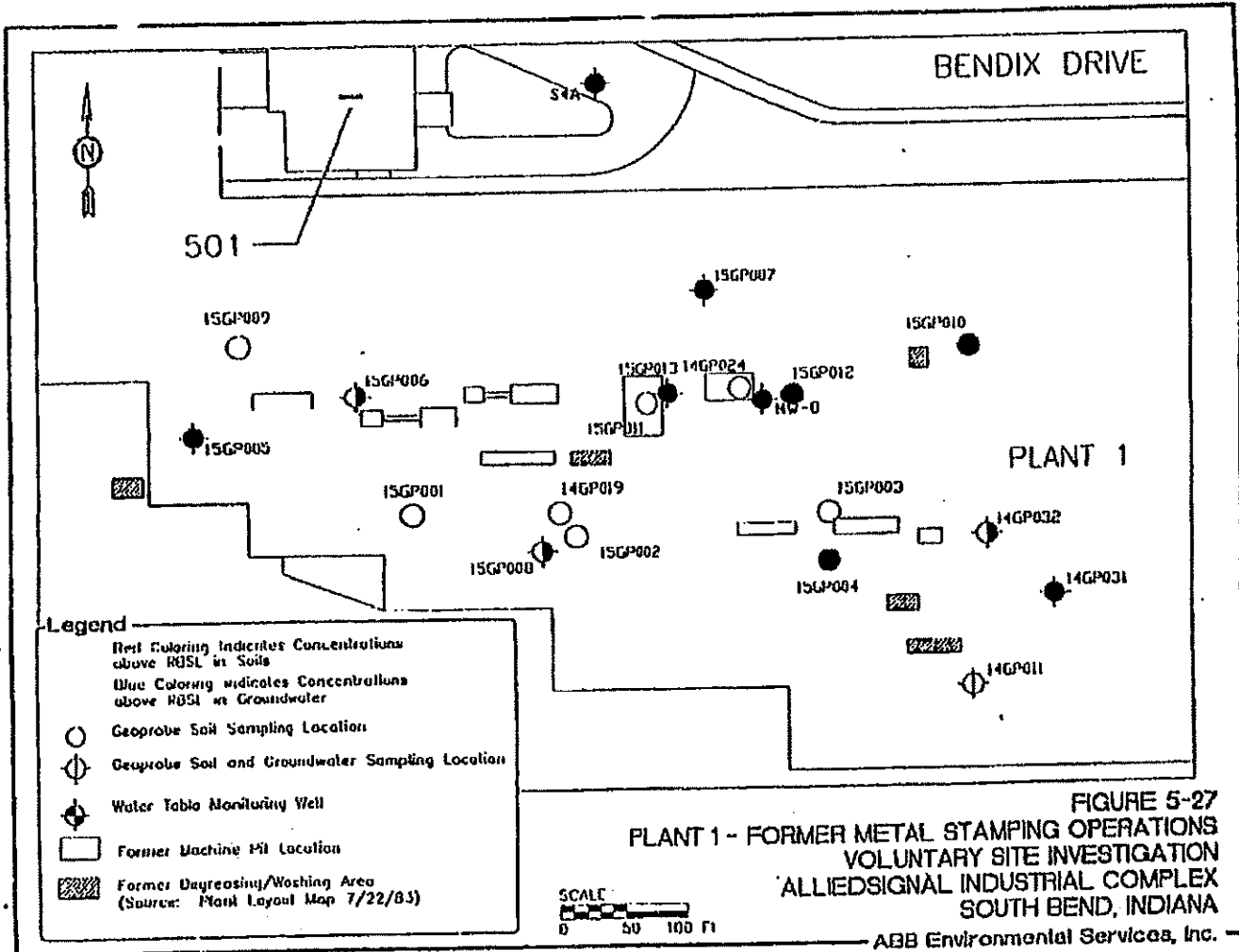
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Key No. 18-2066-2445

Key No. 18-2066-2527

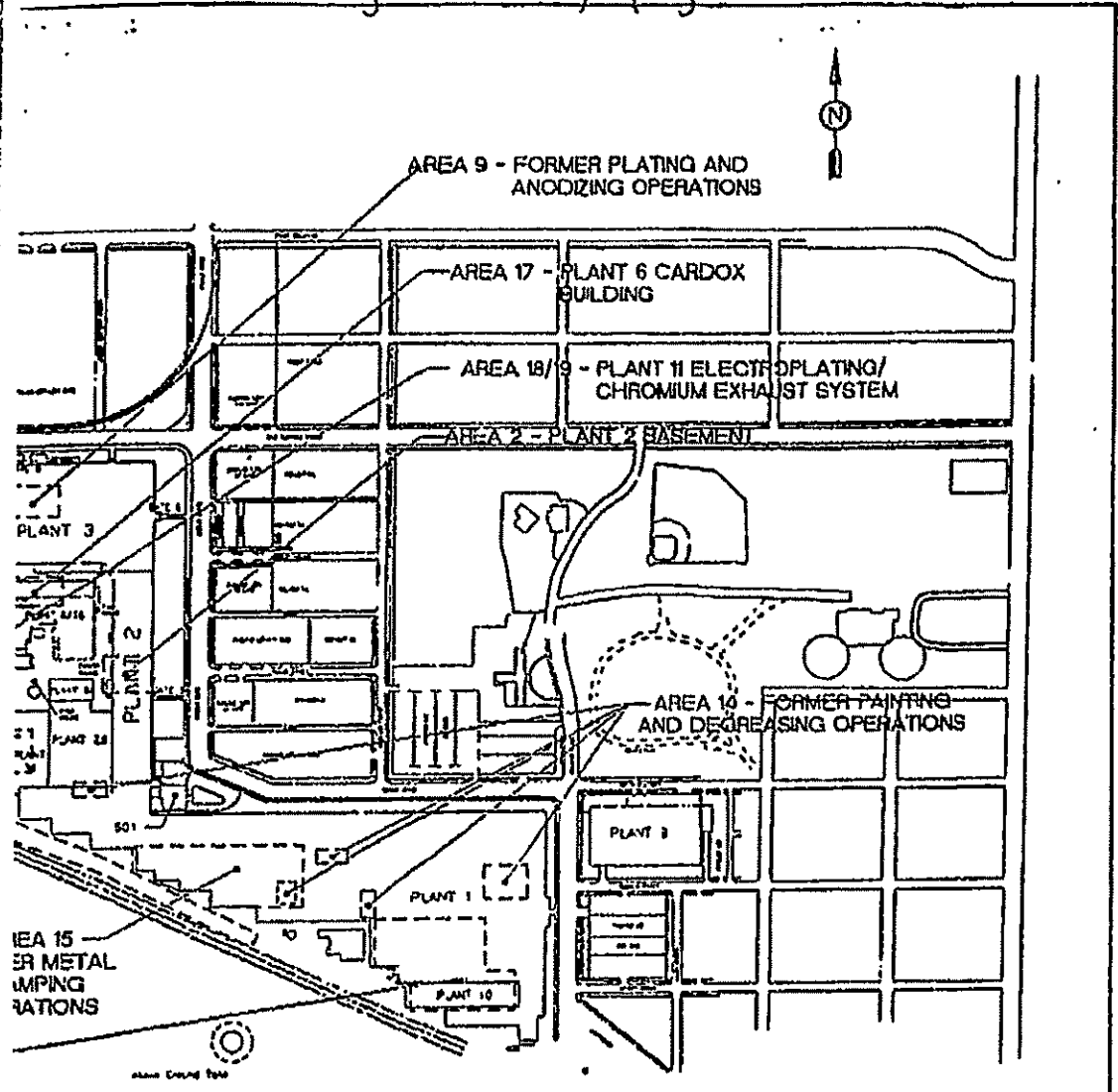
Key No. 18-2066-2414





B-2

PA 1000/100000-1000 0070 0015 Rev. 0000 5000 0000 11/13/87



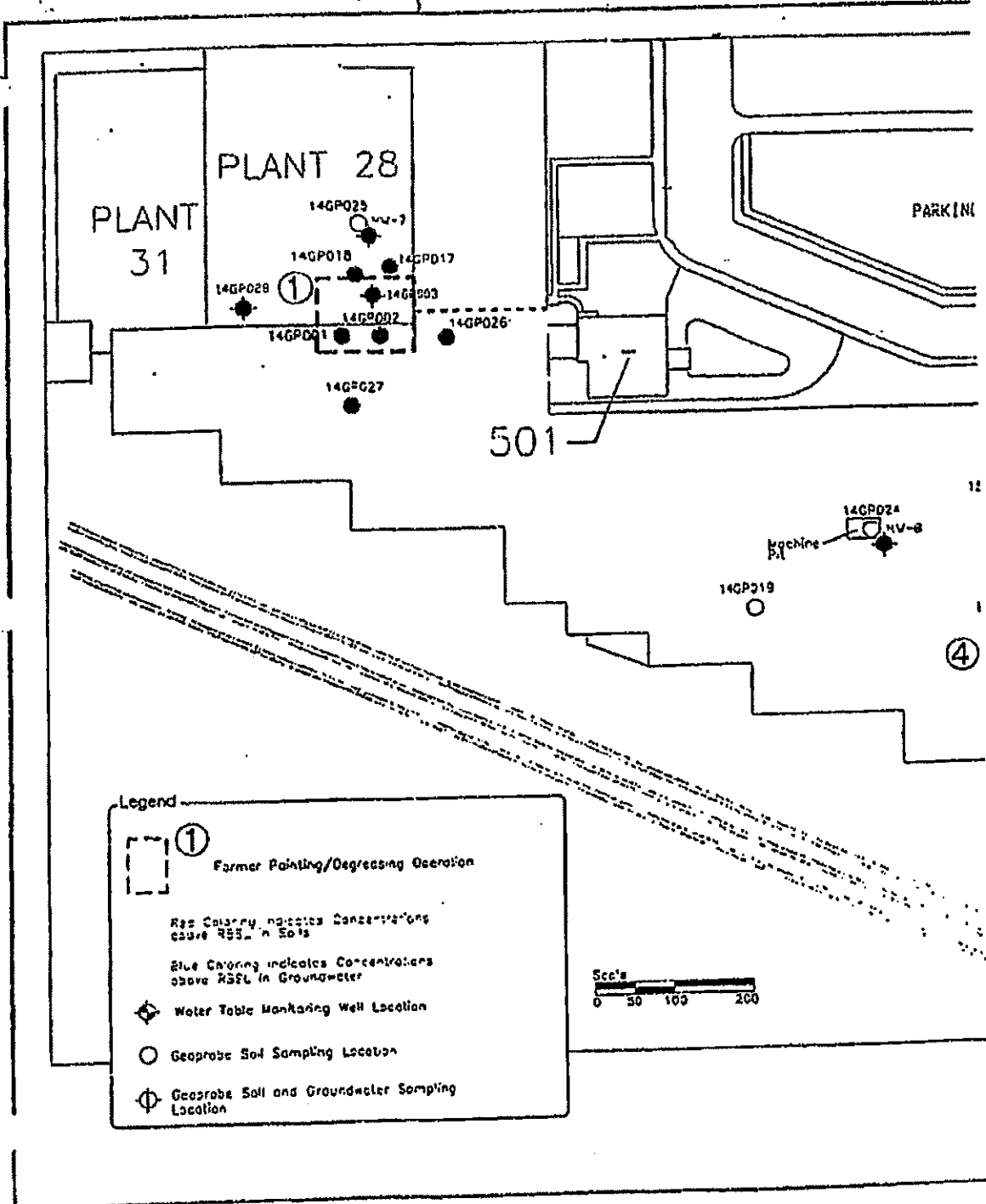
GENERAL AREAS OF CONCERN

- AREA 1 - NAPHTHA AND VOC RELEASES
- AREA 5 - FORMER USTs
- AREA 6 - SPILLS AND RELEASES
- AREA 7 - SWMU ASSESSMENT

FIGURE 1-2
AREAS OF CONCERN
VOLUNTARY SITE INVESTIGATION
ALLIEDSIGNAL INDUSTRIAL COMPLEX
SOUTH BEND, INDIANA

ABB Environmental Services, Inc.

Figure 5-26.j, page 1



6/11/01/PCB/11/02/00 Date 22d Rev 11/11/01 DWG

Figure 5-26; page 2

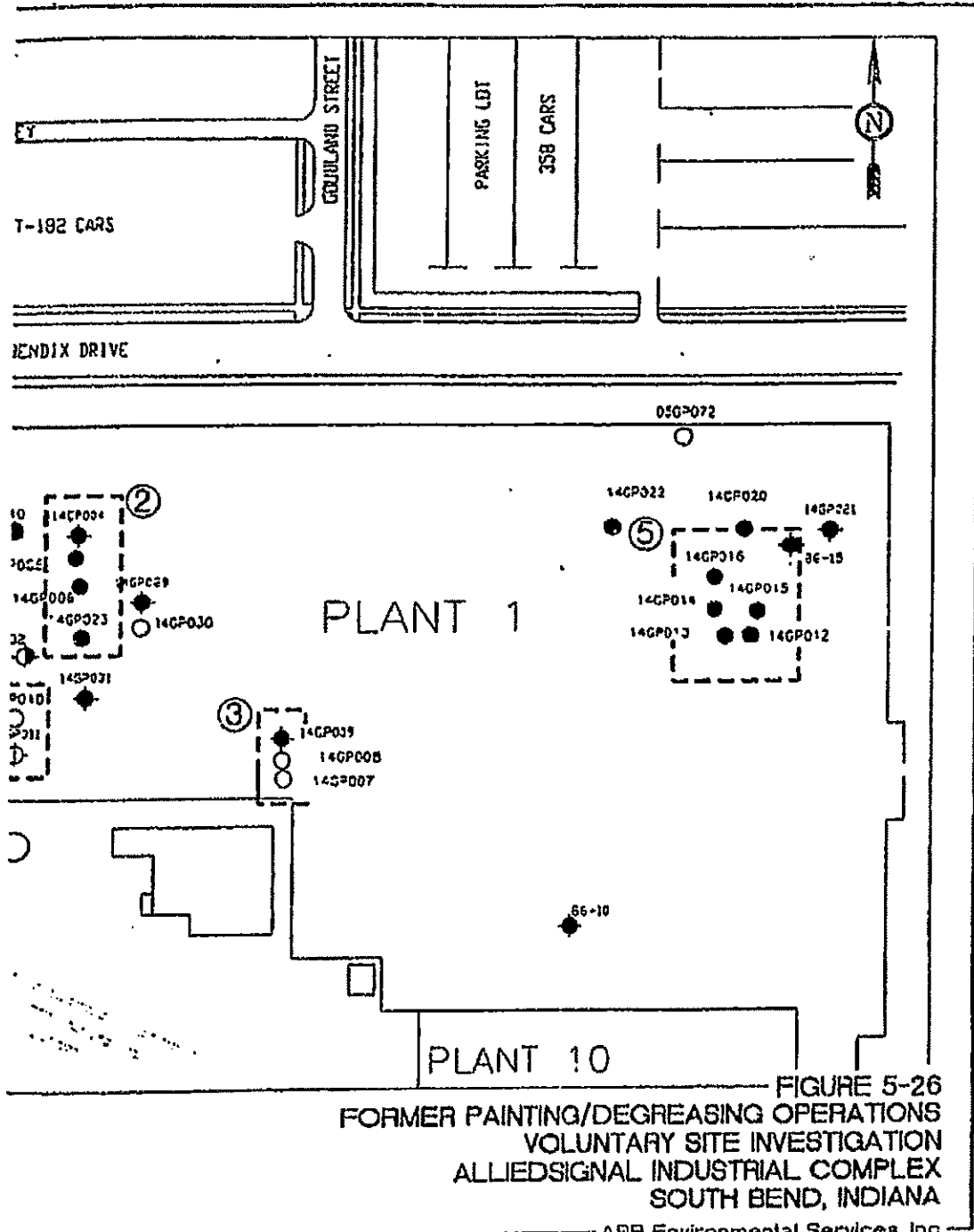


FIGURE 5-26
FORMER PAINTING/DEGREASING OPERATIONS
VOLUNTARY SITE INVESTIGATION
ALLIEDSIGNAL INDUSTRIAL COMPLEX
SOUTH BEND, INDIANA

ABB Environmental Services, Inc.

Figure 5 - 25 ; page 1

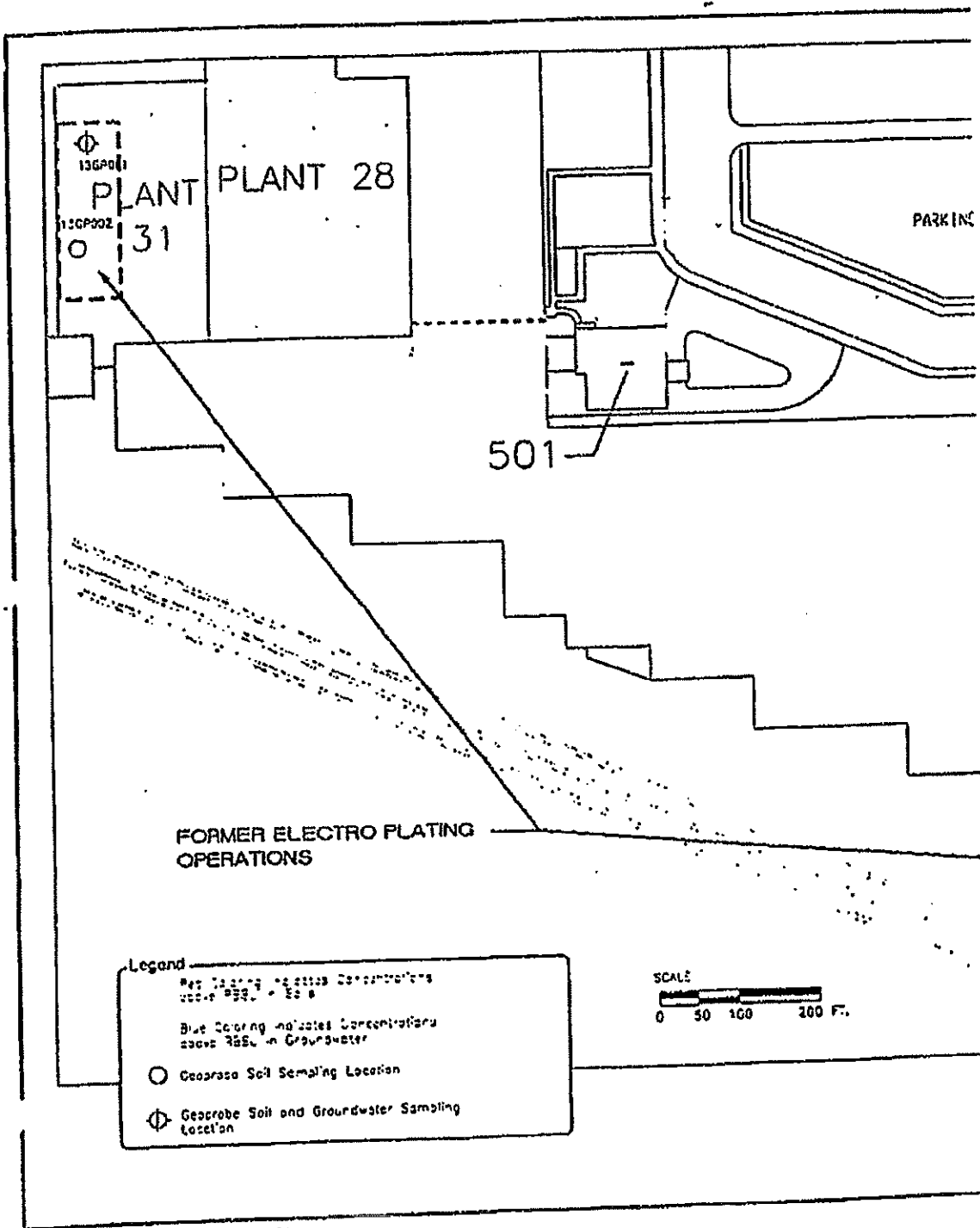
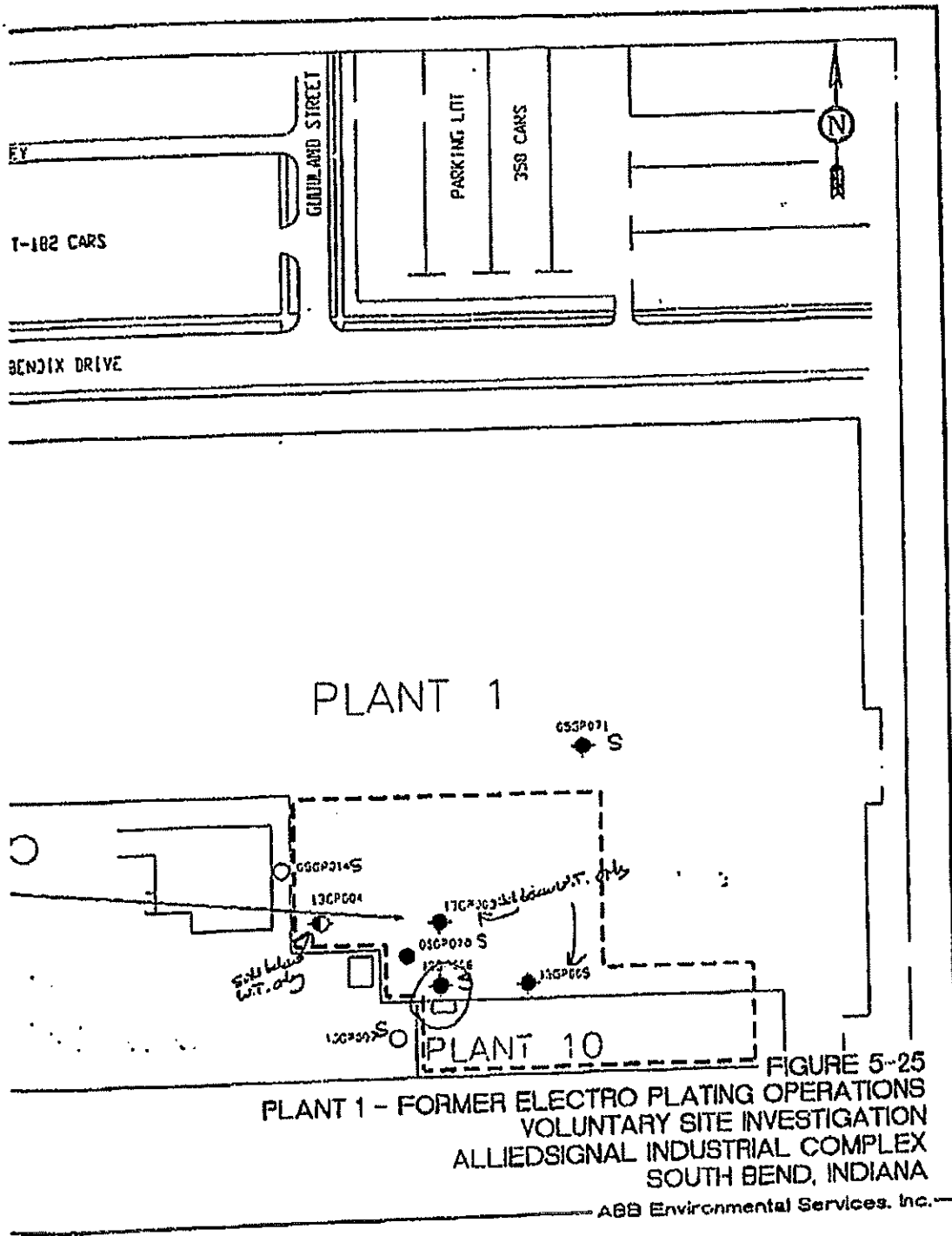


Figure 5-25; page 2



APPENDIX C
PHOTOGRAPHIC DOCUMENTATION



Photo of Bldg 501 located at the northwest corner of Property.



Monitoring wells located to the north of the Property.



Honeywell Aerospace Complex located to the northwest of the Property.



Residential properties and parking lot located to the north of the Property.



Former building floor slab that covers most of the Property.



Naptha Free Product Recovery System centrally located on Property?



Remnants of building footings located near southern Property boundary.



West end of former Bendix power plant building looking east.



View of southern Property boundary looking west.



Photo of Norfolk Southern railroad tracks located to the south of Property.



Northern wall of power plant building looking east.



Enclosed area of power plant building where transformers were located.



Rail spur located near power plant building.



Baghouse area? located to the east of power plant building



Location of underground storage tanks closed in-place.



Interior of power plant building, white material is asbestos.



Boiler #2 located in power plant building.



Corridor inside power plant building.



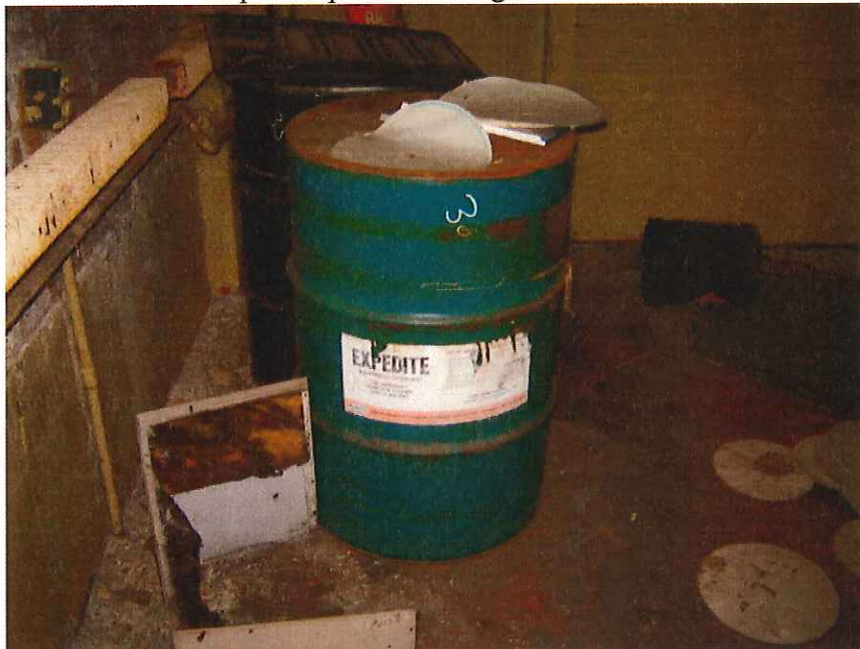
Aboveground process/treatment tank used in power plant building.



Office and records room located inside power plant building.



Floor drain inside power plant building.



55-gallon drum of waste chemicals located inside power plant building.



Additional aboveground process/treatment tanks.



Electrical console equipment (relays, switches, etc.) inside power plant building.



Overhead coal chutes.



Process/treatment tank.



Worthington steam-powered air compressor.



Additional photo of air compressor equipment.



Baghouse photo.



Bosch property located to the east of the Property.



Possible vent lines associated with the hot water boilers.



Possible access to tunnels belowground.



Electrical substation located near southwest corner of power plant building.



Photo of western portion of the power plant building.



Empty water tank.



Remnants of possible elevated dock platform associated with demolished building.



Northern wall of power plant building.



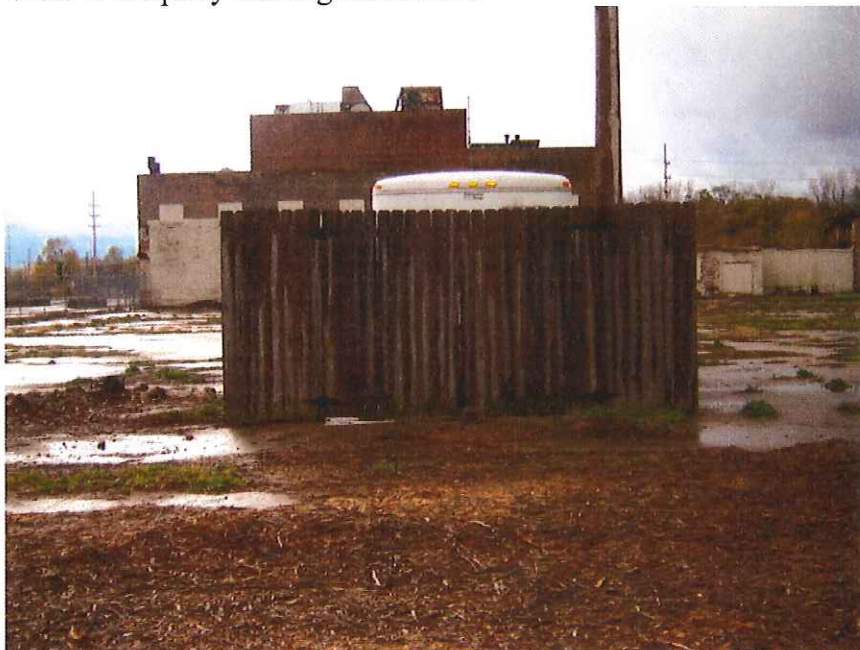
Property looking northeast. Enclosed area houses a groundwater recovery and treatment system.



Activated carbon units used to filter and treat impacted groundwater.



View of Property looking northward.



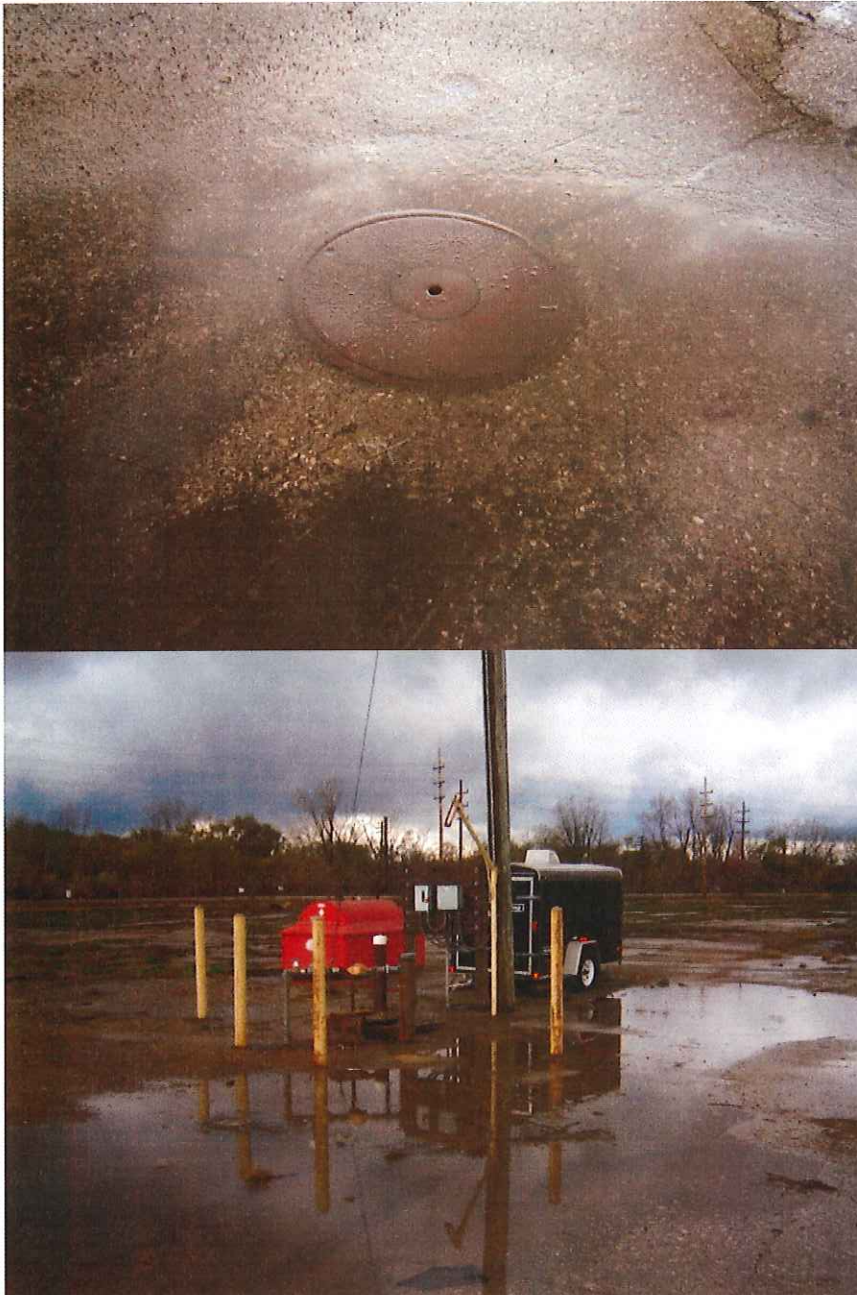
Enclosed groundwater treatment system.



Photo of power plant building looking southward.



Photo of Property looking westward. In background is naphtha free product recovery system?



Free product recovery system and manhole cover possibly associated with either free product recovery system or groundwater treatment unit?

APPENDIX D
REGULATORY RECORDS DOCUMENTATION

Bosch Property

N Bendix Drive/Kenwood Ave
South Bend, IN 46628

Inquiry Number: 3178470.2s
October 07, 2011

The EDR Radius Map™ Report with GeoCheck®



440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800 352 0050
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 was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

N BENDIX DRIVE/KENWOOD AVE
SOUTH BEND, IN 46628

COORDINATES

Latitude (North): 41.680600 - 41° 40' 50.2"
Longitude (West): 86.289000 - 86° 17' 20.4"
Universal Transverse Mercator: Zone 16
UTM X (Meters): 559178.7
UTM Y (Meters): 4614345.5
Elevation: 715 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 41086-F3 SOUTH BEND WEST, IN
Most Recent Revision: 1986

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 2005, 2006, 2007, 2008
Source: USDA

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 7 of the attached EDR Radius Map report:

<u>Site</u>	<u>Database(s)</u>	<u>EPA ID</u>
BOSCH BRAKING SYSTEMS CORP 401 N BENDIX DR SOUTH BEND, IN	TIER 2	N/A
ROBERT BOSCH CORP AUTOMOTIVE GROU 2721 W KENWOOD SOUTH BEND, IN 46628	RCRA-NonGen FINDS MANIFEST	IND984874628
BOSCH AUTOMOTIVE CHASSIS 401 N BENDIX DR SOUTH BEND, IN 46628	RCRA-SQG FINDS MANIFEST BROWNFIELDS AIRS	INR000102004

EXECUTIVE SUMMARY

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 search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
NPL LIENS..... Federal Superfund Liens

Federal CERCLIS list

FEDERAL FACILITY..... Federal Facility Site Information listing

Federal RCRA generators list

RCRA-LQG..... RCRA - Large Quantity Generators

Federal institutional controls / engineering controls registries

US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROL..... Sites with Institutional Controls

Federal ERNS list

ERNS..... Emergency Response Notification System

State and tribal landfill and/or solid waste disposal site lists

SWF/LF..... Permitted Solid Waste Facilities

State and tribal leaking storage tank lists

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

INDIAN UST..... Underground Storage Tanks on Indian Land
FEMA UST..... Underground Storage Tank Listing

State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

ODI..... Open Dump Inventory

EXECUTIVE SUMMARY

DEBRIS REGION 9..... Torres Martinez Reservation illegal Dump Site Locations
SWRCY..... Recycling Facilities
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands

Local Lists of Hazardous waste / Contaminated Sites

US CDL..... Clandestine Drug Labs
DEL SHWS..... Deleted Commissioner's Bulletin Sites List
US HIST CDL..... National Clandestine Laboratory Register

Local Land Records

LIENS 2..... CERCLA Lien Information
LUCIS..... Land Use Control Information System

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System
SPILLS..... Spills Incidents

Other Ascertainable Records

DOT OPS..... Incident and Accident Data
DOD..... Department of Defense Sites
FUDS..... Formerly Used Defense Sites
CONSENT..... Superfund (CERCLA) Consent Decrees
UMTRA..... Uranium Mill Tailings Sites
MINES..... Mines Master Index File
TRIS..... Toxic Chemical Release Inventory System
TSCA..... Toxic Substances Control Act
FTTS..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing
SSTS..... Section 7 Tracking Systems
ICIS..... Integrated Compliance Information System
PADS..... PCB Activity Database System
MLTS..... Material Licensing Tracking System
RADINFO..... Radiation Information Database
RAATS..... RCRA Administrative Action Tracking System
NPDES..... NPDES Permit Listing
BULK..... Registered Bulk Fertilizer and Pesticide Storage Facilities
DRYCLEANERS..... Drycleaner Facility Listing
INDIAN RESERV..... Indian Reservations
SCRD DRYCLEANERS..... State Coalition for Remediation of Drycleaners Listing
COAL ASH..... Coal Ash Disposal Sites
FINANCIAL ASSURANCE..... Financial Assurance Information Listing
COAL ASH DOE..... Steam-Electric Plan Operation Data
COAL ASH EPA..... Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER..... PCB Transformer Registration Database

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants..... EDR Proprietary Manufactured Gas Plants

EXECUTIVE SUMMARY

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

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.

STANDARD ENVIRONMENTAL RECORDS

Federal Delisted NPL site list

Delisted NPL: 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.

A review of the Delisted NPL list, as provided by EDR, and dated 06/30/2011 has revealed that there is 1 Delisted NPL site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>WHITEFORD SALES & SERVICE INC.</i>	<i>2020 WEST SAMPLE STREET</i>	<i>SSE 1/2 - 1 (0.979 mi.)</i>	<i>41</i>	<i>107</i>

Federal CERCLIS list

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

A review of the CERCLIS list, as provided by EDR, and dated 02/25/2011 has revealed that there is 1 CERCLIS site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>BECK'S LAKE SITE</i>	<i>COLFAX AND KALEY STS</i>	<i>SSW 0 - 1/8 (0.070 mi.)</i>	<i>C11</i>	<i>32</i>

EXECUTIVE SUMMARY

Federal CERCLIS NFRAP site List

CERC-NFRAP: Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

A review of the CERC-NFRAP list, as provided by EDR, and dated 02/25/2011 has revealed that there are 3 CERC-NFRAP sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ALLIED-SIGNAL BENDIX SAFETY KLEEN CORPORATION	401 NORTH BENDIX DRIVE	0 - 1/8 (0.000 mi.)	A7	19
	2217 WESTERN AVENUE	SE 1/4 - 1/2 (0.480 mi.)	I39	79
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ALLIED CORPORATION/ALLIED-SIGN	717 NORTH BENDIX DRIVE	N 1/8 - 1/4 (0.151 mi.)	D19	51

Federal RCRA CORRACTS facilities list

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 03/09/2011 has revealed that there are 2 CORRACTS sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ALLIED-SIGNAL BENDIX SAFETY KLEEN CORPORATION	401 NORTH BENDIX DRIVE	0 - 1/8 (0.000 mi.)	A7	19
	2217 WESTERN AVENUE	SE 1/4 - 1/2 (0.480 mi.)	I39	79

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRAinfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database 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). Transporters are individuals or entities that move hazardous waste from the generator offsite 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 RCRA-TSDF list, as provided by EDR, and dated 06/15/2011 has revealed that there is 1 RCRA-TSDF site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SAFETY KLEEN CORPORATION	2217 WESTERN AVENUE	SE 1/4 - 1/2 (0.480 mi.)	I39	79

EXECUTIVE SUMMARY

Federal RCRA generators list

RCRA-CESQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database 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.

A review of the RCRA-CESQG list, as provided by EDR, and dated 06/15/2011 has revealed that there are 2 RCRA-CESQG sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ALLIED-SIGNAL BENDIX	401 NORTH BENDIX DRIVE	0 - 1/8 (0.000 mi.)	A7	19
WHITEFORD TRAILER & EQUIPMENT	137 S OLIVE ST	SE 1/8 - 1/4 (0.217 mi.)	F25	59

State- and tribal - equivalent CERCLIS

SHWS: The State Hazardous Waste Sites 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. The data come from the Department of Environmental Management's List of Hazardous Waste Response Sites Scored Using the Indiana Scoring Model.

A review of the SHWS list, as provided by EDR, and dated 03/01/2007 has revealed that there is 1 SHWS site within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ALLIED SIGNAL	717 N BENDIX	N 1/8 - 1/4 (0.150 mi.)	D17	51

State and tribal leaking storage tank lists

LUST: Lust List.

A review of the LUST list, as provided by EDR, and dated 03/01/2011 has revealed that there are 9 LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ALLIED CORP BENDIX CHASSIS & D Description: NFA-UST Branch Guidance Manual Description: NFA-UST Branch Guidance Manual	401 N BENDIX DR	0 - 1/8 (0.000 mi.)	A4	17
FRUEHAUF TRAILER CORP Description: NFA-UST Branch Guidance Manual	137 S OLIVE ST	SE 1/8 - 1/4 (0.217 mi.)	F26	65
KIMBALL INDUSTRIAL SALES INC Description: Discontinued (active)	143 S OLIVE ST	SE 1/8 - 1/4 (0.222 mi.)	F28	70
YELLOW FREIGHT SYSTEM INC Description: NFA-UST Branch Guidance Manual	215 S OLIVE	SE 1/4 - 1/2 (0.310 mi.)	29	71
BRINK'S INCORPORATED Description: NFA-UST Branch Guidance Manual	2508 W WESTERN ST	SSE 1/4 - 1/2 (0.413 mi.)	32	73

EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SHELL OIL SOUTH BEND EASTON & Description: NFA-UST Branch Guidance Manual Description: NFA-UST Branch Guidance Manual	2404 W WESTERN AVE	SSE 1/4 - 1/2 (0.431 mi.)	H33	74
MARATHON UNIT #3717 Description: Monitored natural attenuation (active) Description: Monitored natural attenuation (active) <i>*Additional key fields are available in the Map Findings section</i>	2322 WESTERN AVE	SSE 1/4 - 1/2 (0.450 mi.)	H35	74
NATIONWISE AUTO PARTS #269 Description: Active	1033 N BENDIX	N 1/4 - 1/2 (0.451 mi.)	36	75
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MARATHON UNIT 3190 Description: NFA-UST Branch Guidance Manual Description: NFA-UST Branch Guidance Manual	2405 LINCOLNWAY W	NNE 1/4 - 1/2 (0.461 mi.)	37	76

State and tribal registered storage tank lists

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 03/16/2011 has revealed that there are 10 UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
HUNT LAKE	3902 N CR 700 E	0 - 1/8 (0.000 mi.)	A5	18
ALLIED CORP BENDIX CHASSIS & D	401 N BENDIX DR	0 - 1/8 (0.000 mi.)	A6	18
SOUTH BEND VENDING	2530 KENWOOD	E 0 - 1/8 (0.069 mi.)	10	32
MIKE BAJDEK'S SERVICE INC	323 N OLIVE ST	E 1/8 - 1/4 (0.165 mi.)	E21	57
OLIVE ONE STOP SHOP INC	421 N OLIVE ST	E 1/8 - 1/4 (0.165 mi.)	22	58
FIRE STATION 4	220 N OLIVE ST	E 1/8 - 1/4 (0.166 mi.)	23	58
GREEN BLANCHARD	316 N OLIVE	E 1/8 - 1/4 (0.167 mi.)	E24	59
FRUEHAUF TRAILER CORP	137 S OLIVE ST	SE 1/8 - 1/4 (0.217 mi.)	F26	65
KIMBALL INDUSTRIAL SALES INC	143 S OLIVE ST	SE 1/8 - 1/4 (0.222 mi.)	F28	70
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
HONEYWELL ENGINE SYSTEMS / ACC	717 N BENDIX DR	N 1/8 - 1/4 (0.151 mi.)	D20	54

State and tribal institutional control / engineering control registries

AUL: A listing of Comfort/Site Status Letter sites that have been issued with Institutional Controls.

A review of the AUL list, as provided by EDR, and dated 06/09/2011 has revealed that there are 2 AUL sites within approximately 0.5 miles of the target property.

EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SAFETY KLEEN CORP	2217 W WESTERN AVE	SE 1/4 - 1/2 (0.479 mi.)	138	77
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
WESTERN AVENUE TOWER	3115 WESTERN AVENUE	SSW 1/4 - 1/2 (0.498 mi.)	40	106

State and tribal voluntary cleanup sites

VCP: Department of Environmental Management's current list of Voluntary Remediation Program sites that are no longer confidential.

A review of the VCP list, as provided by EDR, and dated 02/20/2011 has revealed that there are 2 VCP sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
O'BRIEN PAINTS	2001 W. WASHINGTON AVE.	E 1/4 - 1/2 (0.435 mi.)	34	74
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ALLIEDSIGNAL/HONEYWELL	717 N. BENDIX	N 1/8 - 1/4 (0.150 mi.)	D18	51

State and tribal Brownfields sites

BROWNFIELDS: >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.

A review of the BROWNFIELDS list, as provided by EDR, and dated 06/09/2011 has revealed that there are 3 BROWNFIELDS sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
FORMER NATIONAL YOUTH ADMINIST	521 ECLIPSE PL	N 0 - 1/8 (0.021 mi.)	B9	32
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
LASALLE PARK/BECK'S LAKE	3419 W WASHINGTON ST	SSW 1/4 - 1/2 (0.365 mi.)	G30	71
WESTERN AVENUE TOWER	3115 WESTERN AVENUE	SSW 1/4 - 1/2 (0.498 mi.)	40	106

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: The EPA's listing of Brownfields properties addressed by Cooperative Agreement Recipients and Brownfields properties addressed by Targeted Brownfields Assessments

A review of the US BROWNFIELDS list, as provided by EDR, and dated 06/27/2011 has revealed that there

EXECUTIVE SUMMARY

are 2 US BROWNFIELDS sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
521 ECLIPSE	521 ECLIPSE PLACE	N 0 - 1/8 (0.021 mi.)	B8	30
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
LASALLE PART/BECK'S LAKE	3419 WEST WASHINGTON ST	SSW 1/4 - 1/2 (0.365 mi.)	G31	72

Other Ascertainable Records

RCRA-NonGen: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database 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). Non-Generators do not presently generate hazardous waste.

A review of the RCRA-NonGen list, as provided by EDR, and dated 06/15/2011 has revealed that there are 7 RCRA-NonGen sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
HOOSIER TANK AND MFG INC	2502 W LAWTON ST	E 0 - 1/8 (0.086 mi.)	13	39
INTERSTATE DECORATING SVC	140 N MEADE ST	SSE 0 - 1/8 (0.094 mi.)	14	41
KMH SYSTEMS	143 S OLIVE ST	SE 1/8 - 1/4 (0.222 mi.)	F27	65
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ALUMNI TOOL & DIE	133 KALEY ST	SSW 0 - 1/8 (0.083 mi.)	C12	36
SAMPSON FIBERGLASS	135 N KALEY	SSW 0 - 1/8 (0.099 mi.)	C15	44
MICHIANA FABRICATING	133 1/2 N KALEY	SSW 0 - 1/8 (0.103 mi.)	C16	47
ALLIED CORPORATION/ALLIED-SIGN	717 NORTH BENDIX DRIVE	N 1/8 - 1/4 (0.151 mi.)	D19	51

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

A review of the ROD list, as provided by EDR, and dated 07/31/2011 has revealed that there is 1 ROD site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
WHITEFORD SALES & SERVICE INC.	2020 WEST SAMPLE STREET	SSE 1/2 - 1 (0.979 mi.)	41	107

MANIFEST:

A review of the MANIFEST list, as provided by EDR, and dated 12/31/2009 has revealed that there are 9 MANIFEST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ALLIED-SIGNAL BENDIX	401 NORTH BENDIX DRIVE	0 - 1/8 (0.000 mi.)	A7	19
HOOSIER TANK AND MFG INC	2502 W LAWTON ST	E 0 - 1/8 (0.086 mi.)	13	39
INTERSTATE DECORATING SVC	140 N MEADE ST	SSE 0 - 1/8 (0.094 mi.)	14	41
WHITEFORD TRAILER & EQUIPMENT	137 S OLIVE ST	SE 1/8 - 1/4 (0.217 mi.)	F25	59
KMH SYSTEMS	143 S OLIVE ST	SE 1/8 - 1/4 (0.222 mi.)	F27	65

EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ALUMNI TOOL & DIE	133 KALEY ST	SSW 0 - 1/8 (0.083 mi.)	C12	35
SAMPSON FIBERGLASS	135 N KALEY	SSW 0 - 1/8 (0.099 mi.)	C15	44
MICHIANA FABRICATING	133 1/2 N KALEY	SSW 0 - 1/8 (0.103 mi.)	C16	47
ALLIED CORPORATION/ALLIED-SIGN	717 NORTH BENDIX DRIVE	N 1/8 - 1/4 (0.151 mi.)	D19	51

SCP: The goals for the State Cleanup Section are to mitigate risk to human health and the environment.

A review of the SCP list, as provided by EDR, and dated 06/09/2011 has revealed that there is 1 SCP site within approximately 0.5 miles of the target property.

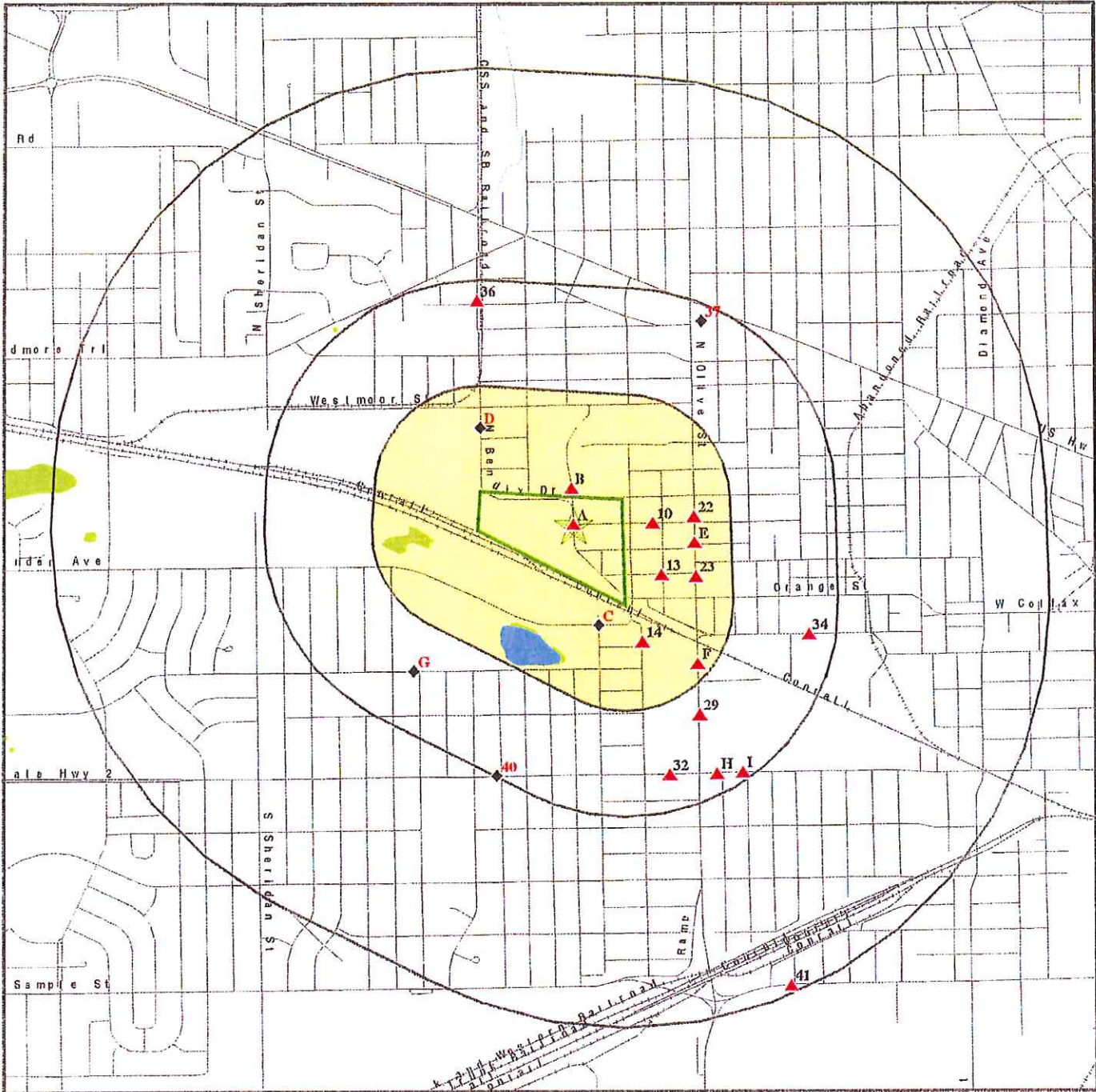
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
HONEYWELL ENGINE SYSTEMS / ACC	717 N BENDIX DR	N 1/8 - 1/4 (0.151 mi.)	D20	54

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 18 records.

<u>Site Name</u>	<u>Database(s)</u>
AMERIGAS	SWRCY
14009 E JEFFERSON	SPILLS, SCP
MACALLISTER MACHINERY CO.	SCP
CHIPPEWA AVENUE WELL FIELD	SHWS
RAILROAD PROPERTY	BROWNFIELDS
FORMER CITY/COUNTY LDFL	CERC-NFRAP
SPEEKS SITE	CERC-NFRAP
DOUGLAS ROAD SITE	CERC-NFRAP
WESTERN AVENUE SITE	CERC-NFRAP
AREA WEST OF BENDIX OIL TANK	CERC-NFRAP
CLEVELAND ROAD SITE	CERC-NFRAP
SOUTH BEND OLIVE ST WELL FIELD	CERC-NFRAP
COUNTRY CUPBOARD #7	LUST
T & M AUTO LEASING INC	LUST
UPS FREIGHT	LUST
UPS FREIGHT	UST
JAKE'S SUNOCO	UST
T & M AUTO LEASING INC	UST

OVERVIEW MAP - 3178470.2s

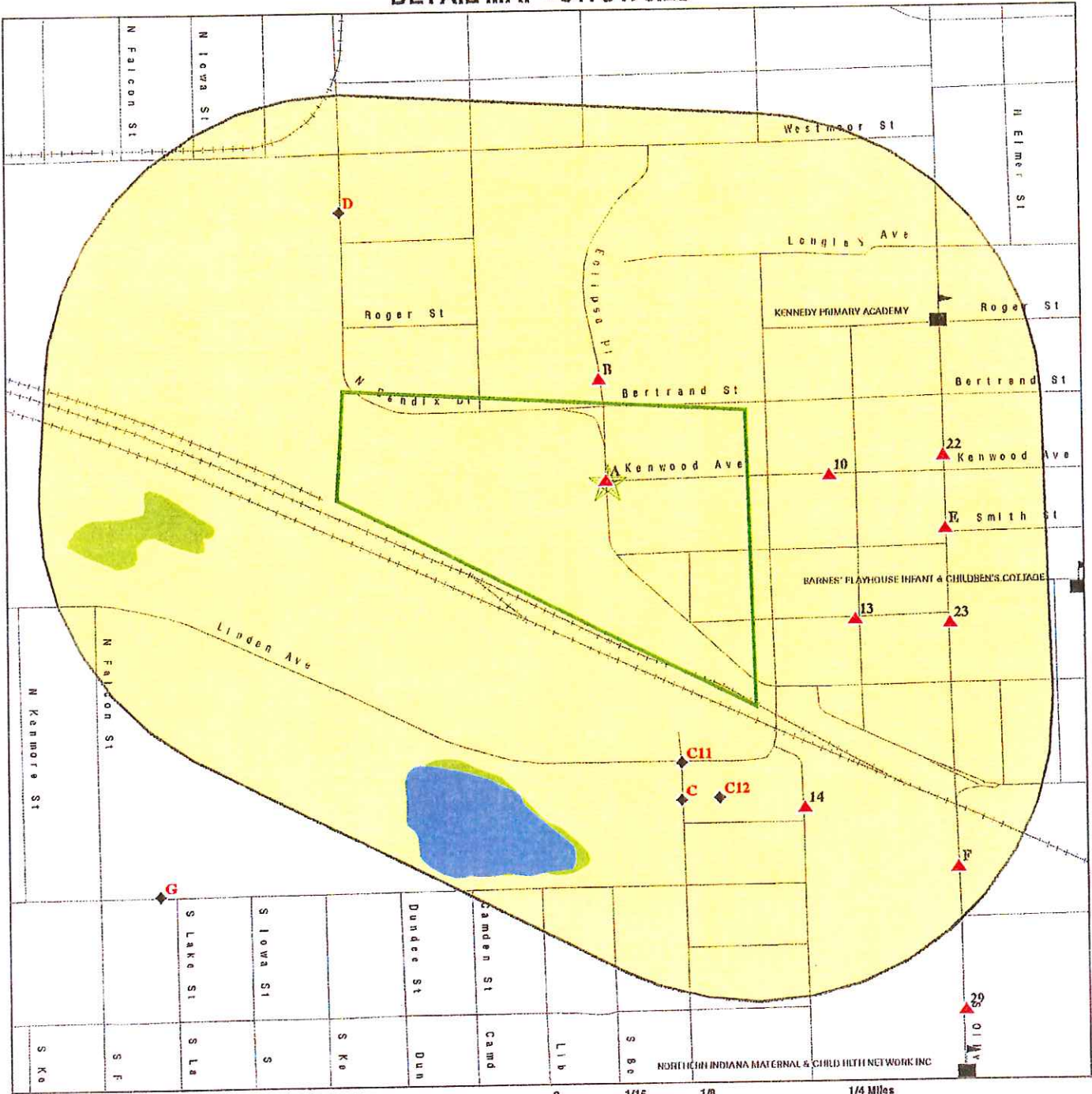


- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Bosch Property ADDRESS: N Bendix Drive/Kenwood Ave South Bend IN 46628 LAT/LONG: 41.6806 / 86.2890	CLIENT: Weaver Boos Consultants CONTACT: Ed Stefanek INQUIRY #: 3178470.2s DATE: October 07, 2011 11:15 am
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DETAIL MAP - 3178470.2s



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Bosch Property
 ADDRESS: N Bendix Drive/Kenwood Ave
 South Bend IN 46628
 LAT/LONG: 41.6806 / 86.2890

CLIENT: Weaver Boos Consultants
 CONTACT: Ed Stefanek
 INQUIRY #: 3178470.2s
 DATE: October 07, 2011 11:15 am

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALLIED CORP BENDIX CHASSIS & DRA (Continued)

U003951596

Substance Desc: Other

Tank Number: 4
Install Date: Not reported
Tank Status: Permanently Out of Service
Substance Desc: Gasoline

Tank Number: 5
Install Date: Not reported
Tank Status: Permanently Out of Service
Substance Desc: Used Oil

A7
< 1/8
1 ft.

ALLIED-SIGNAL BENDIX
401 NORTH BENDIX DRIVE
SOUTH BEND, IN 46624

CERC-NFRAP 1000463444
CORRACTS IND005461165
RCRA-CESQG
FINDS
MANIFEST

Site 7 of 7 in cluster A

Relative:
Higher

CERC-NFRAP:
Site ID: 0501290
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: Deferred to RCRA

Actual:
715 ft.

CERCLIS-NFRAP Site Alias Name(s):

Alias Name: BENDIX AUTOMOTIVE SYSTEMS
Alias Address: Not reported
IN

Alias Name: BENDIX CORP THE
Alias Address: Not reported
IN

Alias Name: BENDIX ENGINE CONTROLS DIV
Alias Address: Not reported
IN

Alias Name: ALLIED SIGNAL INC ENG S
Alias Address: Not reported
Not reported

Program Priority:

Description: Great Lakes

Description: RCRA Deferral Audit

Description: RCRA Deferral - Lead Confirmed

CERCLIS-NFRAP Assessment History:

Action: DISCOVERY
Date Started: Not reported
Date Completed: 03/01/1983
Priority Level: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALLIED-SIGNAL BENDIX (Continued)

1000463444

Action: PRELIMINARY ASSESSMENT
Date Started: Not reported
Date Completed: 03/01/1983
Priority Level: Low priority for further assessment

Action: ARCHIVE SITE
Date Started: Not reported
Date Completed: 08/01/1983
Priority Level: Not reported

Action: SITE INSPECTION
Date Started: Not reported
Date Completed: 08/01/1983
Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

Action: HAZARD RANKING SYSTEM PACKAGE
Date Started: Not reported
Date Completed: 08/01/1983
Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

Action: PRELIMINARY ASSESSMENT
Date Started: Not reported
Date Completed: 10/29/1993
Priority Level: Deferred to RCRA (Subtitle C)

CORRACTS:

EPA ID: IND005461165
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 03/31/1992
Action: CA075ME - CA Prioritization, Facility or area was assigned a medium corrective action priority
NAICS Code(s): 336412
Aircraft Engine and Engine Parts Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: IND005461165
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 05/01/2009
Action: CA070NO - RFA Determination Of Need For An RFI, RFI is Not Necessary
NAICS Code(s): 336412
Aircraft Engine and Engine Parts Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: IND005461165
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 06/24/1992
Action: CA225NR - Stabilization Measures Evaluation, This facility is, not amenable to stabilization activity at the, present time for reasons other than (1) it appears to be technically, infeasible or inappropriate (NF) or (2) there is a lack of technical, information

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number
EPA ID Number

ALLIED-SIGNAL BENDIX (Continued)

1000463444

(IN). Reasons for this conclusion may be the status of, closure at the facility, the degree of risk, timing considerations, the status of corrective action work at the facility, or other, administrative considerations

NAICS Code(s): 336412
Aircraft Engine and Engine Parts Manufacturing

Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: IND005461165
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 12/30/1991
Action: CA050 - RFA Completed
NAICS Code(s): 336412
Aircraft Engine and Engine Parts Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

RCRA-CESQG:

Date form received by agency: 03/03/2004
Facility name: HONEYWELL-ENGINE SYSTEMS & ACCESSORIES
Facility address: 717 N BENDIX DR
SOUTH BEND, IN 46620
EPA ID: IND005461165
Mailing address: 3520 WESTMOOR ST
SOUTH BEND, IN 46628
Contact: CRAIG LOSEE
Contact address: 3520 WESTMOOR ST
SOUTH BEND, IN 46628
Contact country: US
Contact telephone: (574) 231-3438
Contact email: CRAIG.LOSEE@HONEYWELL.COM
EPA Region: 05
Land type: Private
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: HONEYWELL-ENGINE SYSTEMS & ACCESSORIES
Owner/operator address: Not reported
Not reported
Owner/operator country: US

Map ID
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Distance
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number
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ALLIED-SIGNAL BENDIX (Continued)

1000463444

Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/0001
Owner/Op end date: Not reported

Owner/operator name: HONEYWELL INTERNATIONAL INC
Owner/operator address: BOX 1057
MORRISTOWN, NJ 07962

Owner/operator country: Not reported
Owner/operator telephone: (973) 455-2000
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 02/20/2002
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground Injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 02/20/2002
Facility name: HONEYWELL-ENGINE SYSTEMS & ACCESSORIES
Site name: HONEYWELL INTERNATIONAL INC
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 01/10/2000
Facility name: HONEYWELL-ENGINE SYSTEMS & ACCESSORIES
Site name: HONEYWELL INTERNATIONAL INC
Classification: Small Quantity Generator

Date form received by agency: 02/26/1998
Facility name: HONEYWELL-ENGINE SYSTEMS & ACCESSORIES
Site name: ALLIEDSIGNAL E.S.A.
Classification: Large Quantity Generator

Date form received by agency: 02/26/1996
Facility name: HONEYWELL-ENGINE SYSTEMS & ACCESSORIES
Site name: ALLIEDSIGNAL CONTROLS & ACCESSORIES
Classification: Large Quantity Generator

Date form received by agency: 01/26/1994
Facility name: HONEYWELL-ENGINE SYSTEMS & ACCESSORIES

Map ID
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MAP FINDINGS

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ALLIED-SIGNAL BENDIX (Continued)

1000463444

Site name: ALLIED SIGNAL CONTROLS & ACCESSORIES
Classification: Large Quantity Generator

Date form received by agency: 01/15/1993
Facility name: HONEYWELL-ENGINE SYSTEMS & ACCESSORIES
Site name: HONEYWELL INTERNATIONAL INC
Classification: Not a generator, verified

Date form received by agency: 01/07/1992
Facility name: HONEYWELL-ENGINE SYSTEMS & ACCESSORIES
Site name: BENDIX ENGINE CONTROLS DIVISION
Classification: Large Quantity Generator

Date form received by agency: 03/01/1990
Facility name: HONEYWELL-ENGINE SYSTEMS & ACCESSORIES
Site name: ALLIED-SIGNAL CORPORATION
Classification: Large Quantity Generator

Date form received by agency: 11/19/1980
Facility name: HONEYWELL-ENGINE SYSTEMS & ACCESSORIES
Site name: HONEYWELL INTERNATIONAL INC
Classification: Not a generator, verified

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D006
Waste name: CADMIUM

Waste code: D007
Waste name: CHROMIUM

Waste code: D008
Waste name: LEAD

Waste code: D009
Waste name: MERCURY

Waste code: D018
Waste name: BENZENE

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Database(s)

EDR ID Number
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ALLIED-SIGNAL BENDIX (Continued)

1000463444

Waste code: D027
Waste name: 1,4-DICHLOROENZENE

Waste code: D035
Waste name: METHYL ETHYL KETONE

Waste code: D039
Waste name: TETRACHLOROETHYLENE

Waste code: D040
Waste name: TRICHLOROETHYLENE

Waste code: F001
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F002
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F006
Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM;

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ALLIED-SIGNAL BENDIX (Continued)

1000463444

(2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

Waste code: F007
Waste name: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS

Waste code: F008
Waste name: PLATING BATH RESIDUES FROM THE BOTTOM OF PLATING BATHS FROM ELECTROPLATING OPERATIONS WHERE CYANIDES ARE USED IN THE PROCESS.

Waste code: F009
Waste name: SPENT STRIPPING AND CLEANING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS WHERE CYANIDES ARE USED IN THE PROCESS.

Waste code: F010
Waste name: QUENCHING BATH RESIDUES FROM OIL BATHS FROM METAL HEAT TREATING OPERATIONS WHERE CYANIDES ARE USED IN THE PROCESS.

Waste code: F011
Waste name: SPENT CYANIDE SOLUTIONS FROM SALT BATH POT CLEANING FROM METAL HEAT TREATING OPERATIONS.

Waste code: F012
Waste name: QUENCHING WASTE WATER TREATMENT SLUDGES FROM METAL HEAT TREATING OPERATIONS WHERE CYANIDES ARE USED IN THE PROCESS.

Waste code: K062
Waste name: SPENT PICKLE LIQUOR GENERATED BY STEEL FINISHING OPERATIONS OF FACILITIES WITHIN THE IRON AND STEEL INDUSTRY (SIC CODES 331 AND 332).

Waste code: P029
Waste name: COPPER CYANIDE

Waste code: P030
Waste name: CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED

Waste code: P098
Waste name: POTASSIUM CYANIDE

Waste code: P106
Waste name: SODIUM CYANIDE

Waste code: P121
Waste name: ZINC CYANIDE

Waste code: U002
Waste name: ACETONE (I)

Waste code: U043
Waste name: ETHENE, CHLORO-

Waste code: U080
Waste name: METHANE, DICHLORO-

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Site _____ Database(s) _____

ALLIED-SIGNAL BENDIX (Continued)

1000463444

Waste code:	U107
Waste name:	1,2-BENZENEDICARBOXYLIC ACID, DIOCTYL ESTER
Waste code:	U108
Waste name:	1,4-DIETHYLENEOXIDE
Waste code:	U125
Waste name:	2-FURANCARBOXALDEHYDE (I)
Waste code:	U134
Waste name:	HYDROFLUORIC ACID (C,T)
Waste code:	U158
Waste name:	BENZENAMINE, 4,4'-METHYLENEBIS[2-CHLORO-
Waste code:	U159
Waste name:	2-BUTANONE (I,T)
Waste code:	U169
Waste name:	BENZENE, NITRO-
Waste code:	U210
Waste name:	ETHENE, TETRACHLORO-
Waste code:	U220
Waste name:	BENZENE, METHYL-
Waste code:	U226
Waste name:	ETHANE, 1,1,1-TRICHLORO-
Waste code:	U228
Waste name:	ETHENE, TRICHLORO-
Waste code:	U239
Waste name:	BENZENE, DIMETHYL- (I,T)

Corrective Action Summary:

Event date:	12/30/1991
Event:	RFA Completed
Event date:	03/31/1992
Event:	CA Prioritization, Facility or area was assigned a medium corrective action priority.
Event date:	06/24/1992
Event:	Stabilization Measures Evaluation, This facility is not amenable to stabilization activity at the present time for reasons other than 1- it appears to be technically infeasible or inappropriate (NF) or 2- there is a lack of technical information (IN). Reasons for this conclusion may be the status of closure at the facility, the degree of risk, timing considerations, the status of corrective action work at the facility, or other administrative considerations.
Event date:	05/01/2009
Event:	RFA Determination Of Need For An RFI, RFI is Not Necessary;

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Database(s)

EDR ID Number
EPA ID Number

ALLIED-SIGNAL BENDIX (Continued)

1000463444

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: Used Oil - Generators
Date violation determined: 06/26/1998
Date achieved compliance: 01/13/1999
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/19/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 06/26/1998
Date achieved compliance: 01/13/1999
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/19/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Evaluation Action Summary:

Evaluation date: 06/26/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 01/13/1999
Evaluation lead agency: State

Evaluation date: 06/26/1998
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Generators - Pre-transport
Date achieved compliance: 01/13/1999
Evaluation lead agency: EPA

Evaluation date: 06/26/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Used Oil - Generators
Date achieved compliance: 01/13/1999
Evaluation lead agency: State

Evaluation date: 06/26/1998
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Used Oil - Generators
Date achieved compliance: 01/13/1999
Evaluation lead agency: EPA

Evaluation date: 06/11/1986
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALLIED-SIGNAL BENDIX (Continued)

1000463444

Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/01/1985
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/07/1985
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/23/1984
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Registry ID: 110000889655

Environmental Interest/Information System

NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.

IN-FRS (Indiana - Facility Registry System). The Indiana Department of Environmental Management (I-DEM) has implemented the Indiana-Facility Registry System (I-FRS). The I-FRS provides the interface and processes to link facility data monitored by multiple State and EPA program systems. In addition, I-FRS enables IDEM to reconcile environmental data and exchange it with EPA FRS using the electronic data exchange over the Network Node.

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

IN MANIFEST:

EPA ID: IND005461165
Year: Not reported

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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALLIED-SIGNAL BENDIX (Continued)

1000463444

Tons Generated: Not reported
Tons Shipped OffSite: Not reported

Manifest Handler:
EPA Id #: IND005461165
Generator Type: CEG
Generator Status: Active
Transporter Type: Not reported
Transporter Status: Non Active
TSD Type: Interim or Enforcement TSD
TSD Status: Non Active
Handler Mailing Address: 3520 WESTMOOR ST
Handler Mailing City: SOUTH BEND
Handler Mailing State: IN
Handler Mailing Zip: 46628
Contact Last Name: LOSEE
Contact First Name: CRAIG
Contact Telephone: 574-231-3438
Contact Type: B

Receiver Records:
Report Year: Not reported
TSD EPA Id: Not reported
Page Number: Not reported
Sub Page: Not reported
Generator EPA ID: Not reported
Waste Description: Not reported
Quantity of Waste: Not reported
Quantity Rec Report Yrly Tons: Not reported
Unit of Measure: Not reported

Shipment Records:
Generator EPA Id: Not reported
Actual Generator Type: Not reported
Waste Description Shipped: Not reported
Shipped File Page Number: Not reported
Number Of TSD Facilities: Not reported
Waste Codes on Page Number: Not reported
Waste Code: Not reported
Tons Of Waste Shipped Year: Not reported
TSD Facility EPA ID: Not reported
TSD Name: Not reported
Facility Address 2: Not reported

Transporter Records:
Report Year: Not reported
Generator EPA ID: Not reported
Page Number of Report: Not reported
TSD EPA Id: Not reported
Num Of Transporters Used: Not reported

EPA ID: IND005461165
Year: Not reported
Tons Generated: Not reported
Tons Shipped OffSite: Not reported

MAP FINDINGS

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Site

Database(s)

EDR ID Number
 EPA ID Number

ALLIED-SIGNAL BENDIX (Continued)

1000463444

EPA ID: IND005461165
 Year: Not reported
 Tons Generated: Not reported
 Tons Shipped OffSite: Not reported

B8
 North
 < 1/8
 0.021 ml.
 110 ft.

521 ECLIPSE
521 ECLIPSE PLACE
SOUTH BEND, IN 46628
 Site 1 of 2 in cluster B

US BROWNFIELDS 1012127076
 N/A

Relative:
 Higher

US BROWNFIELDS:

Recipient name: South Bend, City of
 Grant type: Assessment
 Property name: 521 Eclipse
 Property #: No parcel number
 Parcel size: .33
 Latitude: 41.405586
 Longitude: -86.172443
 HCM label: Not reported
 Map scale: Not reported
 Point of reference: Not reported
 Datum: World Geodetic System of 1984
 ACRES property ID: 91522
 Start date: Not reported
 Completed date: Not reported
 Acres cleaned up: Not reported
 Cleanup funding: Not reported
 Cleanup funding source: Not reported
 Assessment funding: 2993
 Assessment funding source: US EPA - Brownfields Assessment Cooperative Agreement
 Redevelopment funding: Not reported
 Redev. funding source: Not reported
 Redev. funding entity name: Not reported
 Redevelopment start date: Not reported
 Assessment funding entity: EPA
 Cleanup funding entity: Not reported
 Grant type: P
 Accomplishment type: Phase I Environmental Assessment
 Ownership entity: Government
 Current owner: City of South Bend Park Department
 Did owner change: N
 Cleanup required: Unknown
 Video available: No
 Photo available: No
 Institutional controls required: N
 IC Category proprietary controls: Not reported
 IC cat. info. devices: Not reported
 IC cat. gov. controls: Not reported
 IC cat. enforcement permit tools: Not reported
 IC in place date: Not reported
 IC in place: Not reported
 State/tribal program date: Not reported
 State/tribal program ID: Not reported
 State/tribal NFA date: Not reported
 Air contaminated: Not reported
 Air cleaned: Not reported
 Asbestos found: Not reported

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521 ECLIPSE (Continued)

1012127076

Asbestos cleaned: Not reported
Controlled substance found: Not reported
Controlled substance cleaned: Not reported
Drinking water affected: Not reported
Drinking water cleaned: Not reported
Groundwater affected: Not reported
Groundwater cleaned: Not reported
Lead contaminant found: Not reported
Lead cleaned up: Not reported
No media affected: Not reported
Unknown media affected: Y
Other cleaned up: Not reported
Other metals found: Not reported
Other metals cleaned: Not reported
Other contaminants found: Not reported
Other contams found description: Not reported
PAHs found: Not reported
PAHs cleaned up: Not reported
PCBs found: Not reported
PCBs cleaned up: Not reported
Petro products found: Y
Petro products cleaned: Not reported
Sediments found: Not reported
Sediments cleaned: Not reported
Soil affected: Not reported
Soil cleaned up: Not reported
Surface water cleaned: Not reported
Unknown found: Y
VOCs found: Not reported
VOCs cleaned: Not reported
Cleanup other description: Not reported
Num. of cleanup and re-dev. jobs: Not reported
Past use greenspace acreage: Not reported
Past use residential acreage: Not reported
Past use commercial acreage: .33
Past use industrial acreage: Not reported
Future use greenspace acreage: Not reported
Future use residential acreage: Not reported
Future use commercial acreage: Not reported
Future use industrial acreage: Not reported
Greenspace acreage and type: Not reported
Superfund Fed. landowner flag: Not reported

Property Highlights: The Phase I Environmental Site Assessment indicate the possible presence of a UST. The building is expected to be renovated for use by South Bend's Animal Control Department but work on the renovation has not yet started. When the building is renovated, the UST will be removed or closed in place. The City is working to identify additional funds to assist in this work.

Property Description: The site is located within Kennedy Park and includes a 5,100 square foot building, a 100 square foot storage shed and a vacant parking lot once used by the Bendix Corporation. The 5,100 square foot building was constructed in the late 1930s within a city park that was established in the 1930s. It has been used since the 1970s for various city offices including South Bend housing departments, Community Development, Bureau of Housing, Housing Development Corporation, Code Enforcement and Animal Control. In the 1950s and

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521 ECLIPSE (Continued)

1012127076

1960s a portion of the property was used by the South Bend Air Procurement Division, the South Bend Air Force Contract Management office and the Bendix Corporation.

B9
North
< 1/8
0.021 mi.
110 ft.

FORMER NATIONAL YOUTH ADMINISTRATION AKA BOYS & GIRLS
521 ECLIPSE PL.
SOUTH BEND, IN 46628

BROWNFIELDS S10095218
N/A

Relative:
Higher

Site 2 of 2 in cluster B
IN BROWNFIELD:
Facility ID: 4080402
Project Manager: Lynette Schrowe
AI Id: 29835

Actual:
715 ft.

10
East
< 1/8
0.069 mi.
362 ft.

SOUTH BEND VENDING
2530 KENWOOD
SOUTH BEND, IN 46611

UST U003968180
N/A

Relative:
Higher

UST:
Facility ID: 17984
Owner Id: 10249
Company Name: Mr Richard Dougherly
Mailing Address: 2090 W Bertrand
Mailing Address 2: Not reported
Mailing City,St,Zip: Niles, MI 49120

Tank Number: 1
Install Date: Not reported
Tank Status: Permanently Out of Service
Substance Desc: Gasoline

Actual:
715 ft.

C11
SSW
< 1/8
0.070 mi.
371 ft.

BECK'S LAKE SITE
COLFAX AND KALEY STS
SOUTH BEND, IN 46619

CERCLIS 1003870875
IND980904379

Relative:
Lower

Site 1 of 4 in cluster C
CERCLIS:
Site ID: 0501954
EPA ID: IND980904379
Facility County: ST. JOSEPH
Short Name: BECK'S LAKE SITE
Congressional District: 03
IFMS ID: B5GS
SMSA Number: 7800
USGC Hydro Unit: 04050001
Federal Facility: Not a Federal Facility
DMNSN Number: Not reported
Site Orphan Flag: N
RCRA ID: Not reported
USGS Quadrangle: Not reported
Site Init By Prog: Not reported
NFRAP Flag: Not reported

Actual:
713 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BECK'S LAKE SITE (Continued)

1003870875

Parent ID: Not reported
RST Code: Not reported
EPA Region: 05
Classification: Not reported
Site Settings Code: Not reported
NPL Status: Not on the NPL
DMNSN Unit Code: Not reported
RBRAC Code: Not reported
RResp Fed Agency Code: Not reported
Non NPL Status: ESI Ongoing
Non NPL Status Date: 20091001
Site Fips Code: 18141
CC Concurrence Date: Not reported
CC Concurrence FY: Not reported
Alias EPA ID: Not reported
Site FUDS Flag: Not reported

CERCLIS Site Alias Name(s):

Alias ID: 101
Alias Name: LASALLE PARK
Alias Address: 3419 WEST WASHINGTON ST
SOUTH BEND, IN

Alias ID: 101
Alias Comments: Not reported

Site Description: The Beck's Lake property was used as a dump during the 1950s. There were potential concerns in the area due to the presence of arsenic in surface soil samples.

CERCLIS Assessment History:

Action Code: 001
Action: DISCOVERY
Date Started: Not reported
Date Completed: 04/01/1984
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: PRELIMINARY ASSESSMENT
Date Started: Not reported
Date Completed: 06/28/1985
Priority Level: Higher priority for further assessment
Operable Unit: SITEWIDE
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BECK'S LAKE SITE (Continued)

1003870875

Action Code: 001
Action: SITE INSPECTION
Date Started: Not reported
Date Completed: 03/24/1989
Priority Level: Higher priority for further assessment
Operable Unit: SITEWIDE
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: EXPANDED SITE INSPECTION
Date Started: 03/08/1996
Date Completed: 03/08/1996
Priority Level: NFRAP-Site does not qualify for the NPL based on existing information
Operable Unit: SITEWIDE
Primary Responsibility: State, Fund Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: ARCHIVE SITE
Date Started: Not reported
Date Completed: 12/12/1996
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: EPA In-House
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: SITE REASSESSMENT
Date Started: 06/12/2003
Date Completed: 03/09/2007
Priority Level: Low priority for further assessment
Operable Unit: SITEWIDE
Primary Responsibility: State, Fund Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: SITE UNARCHIVED
Date Started: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

Site Database(s)

BECK'S LAKE SITE (Continued)

1003870875

Date Completed: 03/09/2007
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: EPA In-House
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

C12
SSW
< 1/8
0.083 mi.
440 ft.

ALUMNI TOOL & DIE
133 KALEY ST
SO BEND, IN 46619

Site 2 of 4 in cluster C

RCRA-NonGen 1001077250
FINDS INR000004846
MANIFEST

Relative:
Lower

RCRA-NonGen:
Date form received by agency: 06/09/2004
Facility name: ALUMNI TOOL & DIE
Facility address: 133 KALEY ST
SO BEND, IN 46619

EPA ID: INR000004846
Contact: DONALD SABBE
Contact address: 133 KALEY ST
SO BEND, IN 46619

Contact country: US
Contact telephone: (219) 674-0161
Contact email: Not reported
EPA Region: 05
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Actual:
713 ft.

Owner/Operator Summary:

Owner/operator name: JEROME F MCMANN
Owner/operator address: 133 KALEY ST
SO BEND, IN 46619

Owner/operator country: Not reported
Owner/operator telephone: (219) 259-1971
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/0001
Owner/Op end date: Not reported

Owner/operator name: JEROME F MCMANN
Owner/operator address: 133 KALEY ST
SO BEND, IN 46619

Owner/operator country: Not reported
Owner/operator telephone: (219) 259-1971
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALUMNI TOOL & DIE (Continued)

1001077250

Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 01/08/1996
Facility name: ALUMNI TOOL & DIE
Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALUMNI TOOL & DIE (Continued)

1001077250

MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: F003
Waste name:

THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F005
Waste name:

THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

FINDS:

Registry ID: 110003125207

Environmental Interest/Information System

IN-FRS (Indiana - Facility Registry System). The Indiana Department of Environmental Management (I-DEM) has implemented the Indiana-Facility Registry System (I-FRS). The I-FRS provides the interface and processes to link facility data monitored by multiple State and EPA program systems. In addition, I-FRS enables IDEM to reconcile environmental data and exchange it with EPA FRS using the electronic data exchange over the Network Node.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

IN MANIFEST:

EPA ID: INR000004846
Year: Not reported
Tons Generated: Not reported
Tons Shipped OffSite: Not reported

Manifest Handler:

EPA Id #: INR000004846
Generator Type: Not reported
Generator Status: Non Active
Transporter Type: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number
EPA ID Number

ALUMNI TOOL & DIE (Continued)

1001077250

Transporter Status: Non Active
TSD Type: Interim or Enforcement TSD
TSD Status: Non Active
Handler Mailing Address: 133 KALEY ST
Handler Mailing City: SOUTH BEND
Handler Mailing State: IN
Handler Mailing Zip: 46619
Contact Last Name: SABBE
Contact First Name: DONALD
Contact Telephone: 574-674-0161
Contact Type: B

Receiver Records:

Report Year: Not reported
TSD EPA Id: Not reported
Page Number: Not reported
Sub Page: Not reported
Generator EPA ID: Not reported
Waste Description: Not reported
Quantity of Waste: Not reported
Quantity Rec Report Yrly Tons: Not reported
Unit of Measure: Not reported

Shipment Records:

Generator EPA Id: Not reported
Actual Generator Type: Not reported
Waste Description Shipped: Not reported
Shipped File Page Number: Not reported
Number Of TSD Facilities: Not reported
Waste Codes on Page Number: Not reported
Waste Code: Not reported
Tons Of Waste Shipped Year: Not reported
TSD Facility EPA ID: Not reported
TSD Name: Not reported
Facility Address 2: Not reported

Transporter Records:

Report Year: Not reported
Generator EPA ID: Not reported
Page Number of Report: Not reported
TSD EPA Id: Not reported
Num Of Transporters Used: Not reported

EPA ID: INR000004846
Year: Not reported
Tons Generated: Not reported
Tons Shipped OffSite: Not reported

EPA ID: INR000004846
Year: Not reported
Tons Generated: Not reported
Tons Shipped OffSite: Not reported

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
----------------------------------------------	------	-------------	--------------------------------

13 East < 1/8 0.086 mi. 454 ft.	HOOSIER TANK AND MFG INC 2502 W LAWTON ST SOUTH BEND, IN 46628	RCRA-NonGen MANIFEST	1007093110 IND058954884
---------------------------------------------	-----------------------------------------------------------------------------	-------------------------	----------------------------

Relative:
Higher

RCRA-NonGen:

Date form received by agency: 02/23/2005
 Facility name: HOOSIER TANK AND MFG INC
 Facility address: 2502 W LAWTON ST
 SOUTH BEND, IN 46628
 EPA ID: IND058954884
 Contact: Not reported
 Contact address: Not reported
 Not reported
 Contact country: US
 Contact telephone: Not reported
 Contact email: Not reported
 EPA Region: 05
 Land type: Private
 Classification: Non-Generator
 Description: Handler: Non-Generators do not presently generate hazardous waste

Actual:
715 ft.

Owner/Operator Summary:

Owner/operator name: NAME NOT REPORTED
 Owner/operator address: ADDRESS NOT REPORTED
 CITY NOT REPORTED, AK 99998
 Owner/operator country: Not reported
 Owner/operator telephone: (312) 555-1212
 Legal status: Private
 Owner/Operator Type: Operator
 Owner/Op start date: 01/01/0001
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Historical Generators:

Date form received by agency: 06/09/2004
 Facility name: HOOSIER TANK AND MFG INC
 Classification: Small Quantity Generator
 Date form received by agency: 06/30/1994
 Facility name: HOOSIER TANK AND MFG INC

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HOOSIER TANK AND MFG INC (Continued)

1007093110

Classification: Not a generator, verified

Date form received by agency: 02/04/1985

Facility name: HOOSIER TANK AND MFG INC

Classification: Small Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 08/01/2002

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Not reported

Date achieved compliance: Not reported

Evaluation lead agency: State

IN MANIFEST:

EPA ID: IND058954884

Year: Not reported

Tons Generated: Not reported

Tons Shipped OffSite: Not reported

Manifest Handler:

EPA Id #: IND058954884

Generator Type: Not reported

Generator Status: Non Active

Transporter Type: Not reported

Transporter Status: Non Active

TSD Type: Interim or Enforcement TSD

TSD Status: Non Active

Handler Mailing Address: 2502 W LAWTON ST

Handler Mailing City: SOUTH BEND

Handler Mailing State: IN

Handler Mailing Zip: 46628

Contact Last Name: KINNUCAN JR

Contact First Name: THOMAS R

Contact Telephone: 574-232-5220

Contact Type: B

Receiver Records:

Report Year: Not reported

TSD EPA Id: Not reported

Page Number: Not reported

Sub Page: Not reported

Generator EPA ID: Not reported

Waste Description: Not reported

Quantity of Waste: Not reported

Quantity Rec Report Yrly Tons: Not reported

Unit of Measure: Not reported

Shipment Records:

Generator EPA Id: Not reported

Actual Generator Type: Not reported

Waste Description Shipped: Not reported

Shipped File Page Number: Not reported

Number Of TSD Facilities: Not reported

Waste Codes on Page Number: Not reported

Waste Code: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HOOSIER TANK AND MFG INC (Continued)

1007093110

Tons Of Waste Shipped Year: Not reported
TSD Facility EPA ID: Not reported
TSD Name: Not reported
Facility Address 2: Not reported

Transporter Records:

Report Year: Not reported
Generator EPA ID: Not reported
Page Number of Report: Not reported
TSD EPA Id: Not reported
Num Of Transporters Used: Not reported

EPA ID: IND058954884
Year: Not reported
Tons Generated: Not reported
Tons Shipped OffSite: Not reported

EPA ID: IND058954884
Year: Not reported
Tons Generated: Not reported
Tons Shipped OffSite: Not reported

EPA ID: IND058954884
Year: Not reported
Tons Generated: Not reported
Tons Shipped OffSite: Not reported

14
SSE
< 1/8
0.094 ml.
496 ft.

INTERSTATE DECORATING SVC
140 N MEADE ST
SOUTH BEND, IN 46619

RCRA-NonGen 1000451453
FINDS IND984877415
MANIFEST

Relative:
Higher

RCRA-NonGen:

Date form received by agency: 01/28/2004
Facility name: INTERSTATE DECORATING SVC
Facility address: 140 N MEADE ST
SOUTH BEND, IN 46619
EPA ID: IND984877415
Mailing address: PO BOX 3684
SOUTH BEND, IN 46619
Contact: KENNETH SEDAM
Contact address: PO BOX 3684
SOUTH BEND, IN 46619
Contact country: US
Contact telephone: (219) 288-0108
Contact email: Not reported
EPA Region: 05
Land type: Private
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Actual:
715 ft.

Owner/Operator Summary:

Owner/operator name: SEDAM AND MC FARLAND
Owner/operator address: PO BOX 3684
SOUTH BEND, IN 46619

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

INTERSTATE DECORATING SVC (Continued)

1000451453

Owner/operator country: Not reported
Owner/operator telephone: (219) 288-0108
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/0001
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 07/26/1990
Facility name: INTERSTATE DECORATING SVC
Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 07/12/2001

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

INTERSTATE DECORATING SVC (Continued)

1000451453

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Registry ID: 110003102017

Environmental Interest/Information System

IN-FRS (Indiana - Facility Registry System). The Indiana Department of Environmental Management (I-DEM) has implemented the Indiana-Facility Registry System (I-FRS). The I-FRS provides the interface and processes to link facility data monitored by multiple State and EPA program systems. In addition, I-FRS enables IDEM to reconcile environmental data and exchange it with EPA FRS using the electronic data exchange over the Network Node.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

IN MANIFEST:

EPA ID: IND984877415
Year: Not reported
Tons Generated: Not reported
Tons Shipped OffSite: Not reported

Manifest Handler:

EPA Id #: IND984877415
Generator Type: Not reported
Generator Status: Non Active
Transporter Type: Not reported
Transporter Status: Non Active
TSD Type: Interim or Enforcement TSD
TSD Status: Non Active
Handler Mailing Address: PO BOX 3684
Handler Mailing City: SOUTH BEND
Handler Mailing State: IN
Handler Mailing Zip: 46619
Contact Last Name: SEDAM
Contact First Name: KENNETH
Contact Telephone: 574-288-0108
Contact Type: B

Receiver Records:

Report Year: Not reported
TSD EPA Id: Not reported
Page Number: Not reported
Sub Page: Not reported
Generator EPA ID: Not reported
Waste Description: Not reported
Quantity of Waste: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

INTERSTATE DECORATING SVC (Continued)

1000451453

Quantity Rec Report Yrly Tons: Not reported
Unit of Measure: Not reported

Shipment Records:

Generator EPA Id: Not reported
Actual Generator Type: Not reported
Waste Description Shipped: Not reported
Shipped File Page Number: Not reported
Number Of TSD Facilities: Not reported
Waste Codes on Page Number: Not reported
Waste Code: Not reported
Tons Of Waste Shipped Year: Not reported
TSD Facility EPA ID: Not reported
TSD Name: Not reported
Facility Address 2: Not reported

Transporter Records:

Report Year: Not reported
Generator EPA ID: Not reported
Page Number of Report: Not reported
TSD EPA Id: Not reported
Num Of Transporters Used: Not reported

EPA ID: IND984877415
Year: Not reported
Tons Generated: Not reported
Tons Shipped OffSite: Not reported

EPA ID: IND984877415
Year: Not reported
Tons Generated: Not reported
Tons Shipped OffSite: Not reported

C15
SSW
< 1/8
0.099 mi.
523 ft.

SAMPSON FIBERGLASS
135 N KALEY
SO BEND, IN 46619
Site 3 of 4 in cluster C

RCRA-NonGen 1001087485
FINDS INR000005215
MANIFEST

Relative:
Lower

RCRA-NonGen:
Date form received by agency: 06/14/2000
Facility name: SAMPSON FIBERGLASS
Facility address: 135 N KALEY
SO BEND, IN 46619
EPA ID: INR000005215
Contact: EDWIN SAMPSON
Contact address: 135 N KALEY
SO BEND, IN 46619
Contact country: US
Contact telephone: (219) 237-6631
Contact email: Not reported
EPA Region: 05
Land type: Private
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Actual:
712 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAMPSON FIBERGLASS (Continued)

1001087485

Owner/Operator Summary:

Owner/operator name: JEROME MCMAHON
Owner/operator address: 1301 INDUSTRIAL DR
MISHAWAKA, IN 46544
Owner/operator country: Not reported
Owner/operator telephone: (219) 259-1971
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground Injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 06/15/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Registry ID: 110000399890

Environmental Interest/Information System

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAMPSON FIBERGLASS (Continued)

1001087485

information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

IN-FRS (Indiana - Facility Registry System). The Indiana Department of Environmental Management (I-DEM) has implemented the Indiana-Facility Registry System (I-FRS). The I-FRS provides the interface and processes to link facility data monitored by multiple State and EPA program systems. In addition, I-FRS enables IDEM to reconcile environmental data and exchange it with EPA FRS using the electronic data exchange over the Network Node.

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

IN MANIFEST:

EPA ID: INR000005215
Year: Not reported
Tons Generated: Not reported
Tons Shipped OffSite: Not reported

Manifest Handler:

EPA Id #: INR000005215
Generator Type: Not reported
Generator Status: Non Active
Transporter Type: Not reported
Transporter Status: Non Active
TSD Type: Interim or Enforcement TSD
TSD Status: Non Active
Handler Mailing Address: 135 N KALEY
Handler Mailing City: SOUTH BEND
Handler Mailing State: IN
Handler Mailing Zip: 46619
Contact Last Name: SAMPSON
Contact First Name: EDWIN
Contact Telephone: 574-237-6631
Contact Type: B

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number
EPA ID Number

SAMPSON FIBERGLASS (Continued)

1001087485

Receiver Records:

Report Year: Not reported
TSD EPA Id: Not reported
Page Number: Not reported
Sub Page: Not reported
Generator EPA ID: Not reported
Waste Description: Not reported
Quantity of Waste: Not reported
Quantity Rec Report Yrly Tons: Not reported
Unit of Measure: Not reported

Shipment Records:

Generator EPA Id: Not reported
Actual Generator Type: Not reported
Waste Description Shipped: Not reported
Shipped File Page Number: Not reported
Number Of TSD Facilities: Not reported
Waste Codes on Page Number: Not reported
Waste Code: Not reported
Tons Of Waste Shipped Year: Not reported
TSD Facility EPA ID: Not reported
TSD Name: Not reported
Facility Address 2: Not reported

Transporter Records:

Report Year: Not reported
Generator EPA ID: Not reported
Page Number of Report: Not reported
TSD EPA Id: Not reported
Num Of Transporters Used: Not reported

EPA ID: INR000005215
Year: Not reported
Tons Generated: Not reported
Tons Shipped OffSite: Not reported

EPA ID: INR000005215
Year: Not reported
Tons Generated: Not reported
Tons Shipped OffSite: Not reported

C16
SSW
< 1/8
0.103 mi.
545 ft.

MICHIANA FABRICATING
133 1/2 N KALEY
SOUTH BEND, IN 46619

Relative:
Lower

Actual:
712 ft.

Site 4 of 4 in cluster C
RCRA-NonGen:
Date form received by agency: 09/01/1998
Facility name: MICHIANA FABRICATING
Facility address: 133 1/2 N KALEY
SOUTH BEND, IN 46619
EPA ID: INR000012971
Mailing address: PO BOX 9008
SOUTH BEND, IN 46619

RCRA-NonGen 1001228133
FINDS INR000012971
MANIFEST

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number
EPA ID Number

MICHIANA FABRICATING (Continued)

1001228133

Contact: WARD DEUTSCHER
Contact address: PO BOX 9008
SOUTH BEND, IN 46619
Contact country: US
Contact telephone: (219) 288-5376
Contact email: Not reported
EPA Region: 05
Land type: Private
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: SCOTT TEN EYCK
Owner/operator address: 425 SOVEREIGN CT
ST LOUIS, MO 63011
Owner/operator country: Not reported
Owner/operator telephone: (314) 256-3819
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICHIANA FABRICATING (Continued)

1001228133

SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F005
Waste name:

THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 06/07/1999
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Registry ID: 110003130594

Environmental Interest/Information System

IN-FRS (Indiana - Facility Registry System). The Indiana Department of Environmental Management (I-DEM) has implemented the Indiana-Facility Registry System (I-FRS). The I-FRS provides the interface and processes to link facility data monitored by multiple State and EPA program systems. In addition, I-FRS enables IDEM to reconcile environmental data and exchange it with EPA FRS using the electronic data exchange over the Network Node.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

IN MANIFEST:

EPA ID: INR000012971
Year: Not reported
Tons Generated: Not reported
Tons Shipped OffSite: Not reported

Manifest Handler:

EPA Id #: INR000012971
Generator Type: Not reported
Generator Status: Non Active
Transporter Type: Not reported
Transporter Status: Non Active
TSD Type: Interim or Enforcement TSD

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICHIANA FABRICATING (Continued)

1001228133

TSD Status: Non Active
Handler Mailing Address: PO BOX 9008
Handler Mailing City: SOUTH BEND
Handler Mailing State: IN
Handler Mailing Zip: 46619
Contact Last Name: DEUTSCHER
Contact First Name: WARD
Contact Telephone: 574-288-5376
Contact Type: A

Receiver Records:

Report Year: Not reported
TSD EPA Id: Not reported
Page Number: Not reported
Sub Page: Not reported
Generator EPA ID: Not reported
Waste Description: Not reported
Quantity of Waste: Not reported
Quantity Rec Report Yrly Tons: Not reported
Unit of Measure: Not reported

Shipment Records:

Generator EPA Id: Not reported
Actual Generator Type: Not reported
Waste Description Shipped: Not reported
Shipped File Page Number: Not reported
Number Of TSD Facilities: Not reported
Waste Codes on Page Number: Not reported
Waste Code: Not reported
Tons Of Waste Shipped Year: Not reported
TSD Facility EPA ID: Not reported
TSD Name: Not reported
Facility Address 2: Not reported

Transporter Records:

Report Year: Not reported
Generator EPA ID: Not reported
Page Number of Report: Not reported
TSD EPA Id: Not reported
Num Of Transporters Used: Not reported

EPA ID: INR000012971
Year: Not reported
Tons Generated: Not reported
Tons Shipped OffSite: Not reported

EPA ID: INR000012971
Year: Not reported
Tons Generated: Not reported
Tons Shipped OffSite: Not reported

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
D17 North 1/8-1/4 0.150 mi. 793 ft.	ALLIED SIGNAL 717 N BENDIX SOUTH BEND, IN Site 1 of 4 in cluster D	SHWS	S104325412 N/A
Relative: Lower	SHWS: Facility Id: VRP6980601 Score: 41.75 Score Date: May 1992		
Actual: 710 ft.	Contaminant Type: Solvents Media Affected: Soil and Groundwater Contact Tele: 3172340970 Last Date: January 2005 Facility Status: On January 31, 1983, the Bendix Corporation was acquired by Allied Corporation. The Allied Corporation later became Allied-Signal. Allied-Signal is comprised of three (3) divisions. Production at the facility included automotive brake and steering, aircraft fuel controls, aircraft wheels, brakes and landing gear. No manufacturing is currently taking place at the property. Bendix created a large number of waste streams over the years. Most were shipped off site for disposal although some were stored in a hazardous waste storage area. Bendix had also disposed of some of its waste in pits and dumps in the past. In addition, numerous spills occurred in and around the complex. In December 1991, a study completed by Allied consultant reported extensive groundwater contamination beneath the site. Allied has voluntarily attempted to contain and remove contaminants from the groundwater and is now participating in the Voluntary Remediation Program. Most recently, a remediation Work Plan is currently under review. Please contact Chris Bauer for more information.		
D18 North 1/8-1/4 0.150 mi. 793 ft.	ALLIED SIGNAL/HONEYWELL 717 N. BENDIX SOUTH BEND, IN Site 2 of 4 in cluster D	VCP	S105202298 N/A
Relative: Lower	IN VCP: Status: Active		
Actual: 710 ft.	VRP Id Number: 6980601 Applicant Name: Allied Signal Inc. Land Use Restrictions/Institutional Controls: Not reported Project Manager: Pham Covenant Not To Sue Date: Not reported Certificate of Completion Date: Not reported		
D19 North 1/8-1/4 0.151 mi. 797 ft.	ALLIED CORPORATION/ALLIED-SIGNAL AEROSPACE 717 NORTH BENDIX DRIVE SOUTH BEND, IN 46628 Site 3 of 4 in cluster D	CERC-NFRAP RCRA-NonGen MANIFEST	1000248857 IND152578043
Relative: Lower	CERC-NFRAP: Site ID: 0505814 Federal Facility: Not a Federal Facility		
Actual: 710 ft.	NPL Status: Not on the NPL Non NPL Status: Deferred to RCRA		
	CERCLIS-NFRAP Site Alias Name(s): Alias Name: ALLIED BENDIX CORPORATION		

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALLIED CORPORATION/ALLIED-SIGNAL AEROSPACE (Continued)

1000248857

Alias Address: Not reported
IN

Alias Name: ALLIED CORP/ALLIED-SIGNAL AEROSPACE
Alias Address: 717 NORTH BENDIX DRIVE
SOUTH BEND, IN 46628

Program Priority:
Description: Great Lakes

CERCLIS-NFRAP Assessment History:

Action: DISCOVERY
Date Started: Not reported
Date Completed: 11/06/1987
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: Not reported
Date Completed: 08/02/1990
Priority Level: Deferred to RCRA (Subtitle C)

Action: ARCHIVE SITE
Date Started: Not reported
Date Completed: 09/04/1998
Priority Level: Not reported

RCRA-NonGen:

Date form received by agency: 09/03/1987
Facility name: ALLIED BENDIX
Facility address: 717 N BENDIX DR
SOUTH BEND, IN 46624

EPA ID: IND152578043
Contact: DONALD GRANDISON
Contact address: 717 N BENDIX DR
SOUTH BEND, IN 46624

Contact country: US
Contact telephone: (219) 237-5062
Contact email: Not reported
EPA Region: 05
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: NAME NOT REPORTED
Owner/operator address: ADDRESS NOT REPORTED
CITY NOT REPORTED, AK 99998

Owner/operator country: Not reported
Owner/operator telephone: (312) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: ALLIED CORP
Owner/operator address: ADDRESS NOT REPORTED

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

ALLIED CORPORATION/ALLIED-SIGNAL AEROSPACE (Continued)

1000248857

CITY NOT REPORTED, AK 99998
Owner/operator country: Not reported
Owner/operator telephone: (312) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

IN MANIFEST:

EPA ID: IND152578043
Year: Not reported
Tons Generated: Not reported
Tons Shipped OffSite: Not reported

Manifest Handler:

EPA Id #: IND152578043
Generator Type: Not reported
Generator Status: Non Active
Transporter Type: Not reported
Transporter Status: Non Active
TSD Type: Interim or Enforcement TSD
TSD Status: Non Active
Handler Mailing Address: 717 N BENDIX DR
Handler Mailing City: SOUTH BEND
Handler Mailing State: IN
Handler Mailing Zip: 46624
Contact Last Name: GRANDISON
Contact First Name: DONALD
Contact Telephone: 574-237-5062
Contact Type: B

Receiver Records:

Report Year: Not reported
TSD EPA Id: Not reported
Page Number: Not reported
Sub Page: Not reported
Generator EPA ID: Not reported
Waste Description: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALLIED CORPORATION/ALLIED-SIGNAL AEROSPACE (Continued)

1000248857

Quantity of Waste: Not reported
Quantity Rec Report Yrly Tons: Not reported
Unit of Measure: Not reported

Shipment Records:

Generator EPA Id: Not reported
Actual Generator Type: Not reported
Waste Description Shipped: Not reported
Shipped File Page Number: Not reported
Number Of TSD Facilities: Not reported
Waste Codes on Page Number: Not reported
Waste Code: Not reported
Tons Of Waste Shipped Year: Not reported
TSD Facility EPA ID: Not reported
TSD Name: Not reported
Facility Address 2: Not reported

Transporter Records:

Report Year: Not reported
Generator EPA ID: Not reported
Page Number of Report: Not reported
TSD EPA Id: Not reported
Num Of Transporters Used: Not reported

EPA ID: IND152578043
Year: Not reported
Tons Generated: Not reported
Tons Shipped OffSite: Not reported

EPA ID: IND152578043
Year: Not reported
Tons Generated: Not reported
Tons Shipped OffSite: Not reported

D20
North
1/8-1/4
0.151 mi.
797 ft.

HONEYWELL ENGINE SYSTEMS / ACCESSORIES
717 N BENDIX DR
SOUTH BEND, IN 46620
Site 4 of 4 in cluster D

UST U003951585
SCP N/A

Relative:
Lower

UST:

Facility ID: 796
Owner Id: 6822
Company Name: The Allied Corporation
Mailing Address: 401 N Bendix Dr
Mailing Address 2: Not reported
Mailing City,St,Zip: South Bend, IN 46624

Actual:
710 ft.

Tank Number: 1
Install Date: Not reported
Tank Status: Permanently Out of Service
Substance Desc: Unknown

Tank Number: 10
Install Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number
EPA ID Number

HONEYWELL ENGINE SYSTEMS / ACCESSORIES (Continued)

U003951585

Tank Status: Permanently Out of Service
Substance Desc: Hazardous Petro

Tank Number: 11
Install Date: Not reported
Tank Status: Permanently Out of Service
Substance Desc: Unknown

Tank Number: 12
Install Date: Not reported
Tank Status: Permanently Out of Service
Substance Desc: Unknown

Tank Number: 14
Install Date: Not reported
Tank Status: Permanently Out of Service
Substance Desc: Unknown

Tank Number: 15
Install Date: Not reported
Tank Status: Permanently Out of Service
Substance Desc: Unknown

Tank Number: 17
Install Date: Not reported
Tank Status: Permanently Out of Service
Substance Desc: Other

Tank Number: 18
Install Date: Not reported
Tank Status: Permanently Out of Service
Substance Desc: Other

Tank Number: 19
Install Date: Not reported
Tank Status: Permanently Out of Service
Substance Desc: Other

Tank Number: 2
Install Date: Not reported
Tank Status: Permanently Out of Service
Substance Desc: Unknown

Tank Number: 20
Install Date: Not reported
Tank Status: Permanently Out of Service
Substance Desc: Other

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HONEYWELL ENGINE SYSTEMS / ACCESSORIES (Continued)

U003951585

Tank Number: 21
Install Date: Not reported
Tank Status: Permanently Out of Service
Substance Desc: Other

Tank Number: 22
Install Date: Not reported
Tank Status: Permanently Out of Service
Substance Desc: Other

Tank Number: 26
Install Date: Not reported
Tank Status: Permanently Out of Service
Substance Desc: Other

Tank Number: 3
Install Date: Not reported
Tank Status: Permanently Out of Service
Substance Desc: Unknown

Tank Number: 31
Install Date: Not reported
Tank Status: Permanently Out of Service
Substance Desc: Other

Tank Number: 38
Install Date: Not reported
Tank Status: Permanently Out of Service
Substance Desc: Other

Tank Number: 4
Install Date: Not reported
Tank Status: Permanently Out of Service
Substance Desc: Unknown

Tank Number: 40
Install Date: Not reported
Tank Status: Permanently Out of Service
Substance Desc: Used Oil

Tank Number: 5
Install Date: Not reported
Tank Status: Permanently Out of Service
Substance Desc: Unknown

Tank Number: 6
Install Date: Not reported
Tank Status: Permanently Out of Service

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number
EPA ID Number

HONEYWELL ENGINE SYSTEMS / ACCESSORIES (Continued)

U003951585

Substance Desc: Unknown

Tank Number: 7
Install Date: Not reported
Tank Status: Permanently Out of Service
Substance Desc: Unknown

Tank Number: 8
Install Date: Not reported
Tank Status: Permanently Out of Service
Substance Desc: Unknown

Tank Number: 9
Install Date: Not reported
Tank Status: Permanently Out of Service
Substance Desc: Used Oil

SCP:
Facility Id: 6980601
Facility Type: Not reported

E21
East
1/8-1/4
0.165 mi.
870 ft.

MIKE BAJDEK'S SERVICE INC
323 N OLIVE ST
SOUTH BEND, IN 46628
Site 1 of 2 in cluster E

UST U000183128
N/A

Relative:
Higher

UST:
Facility ID: 2695
Owner Id: 6429
Company Name: Mike Bajdek's Mobil Service Inc
Mailing Address: 323 N Olive St
Mailing Address 2: Not reported
Mailing City,St,Zip: South Bend, IN 46628

Actual:
715 ft.

Tank Number: 1
Install Date: Not reported
Tank Status: Permanently Out of Service
Substance Desc: Gasoline

Tank Number: 2
Install Date: Not reported
Tank Status: Permanently Out of Service
Substance Desc: Gasoline

Tank Number: 3
Install Date: Not reported
Tank Status: Permanently Out of Service
Substance Desc: Gasoline

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
----------------------------------------------	------	-------------	--------------------------------

22 East 1/8-1/4 0.165 mi. 873 ft.	OLIVE ONE STOP SHOP INC 421 N OLIVE ST SOUTH BEND, IN 46628	UST	1000515370 N/A
-----------------------------------------------	--------------------------------------------------------------------------	-----	-------------------

Relative: Higher	UST:	Facility ID: 14296 Owner Id: 37959
Actual: 715 ft.		Company Name: Abdal R Farhan Mailing Address: PO Box 11664 Mailing Address 2: Not reported Mailing City,St,Zip: South Bend, IN 46619
		Tank Number: 1 Install Date: 1958-01-01 00:00:00 Tank Status: Permanently Out of Service Substance Desc: Gasoline
		Tank Number: 2 Install Date: 1958-01-01 00:00:00 Tank Status: Permanently Out of Service Substance Desc: Gasoline
		Tank Number: 3 Install Date: 1958-01-01 00:00:00 Tank Status: Permanently Out of Service Substance Desc: Gasoline
		Tank Number: 4 Install Date: 2009-02-05 00:00:00 Tank Status: Currently in use Substance Desc: Gasoline
		Tank Number: 5 Install Date: 2009-02-05 00:00:00 Tank Status: Currently in use Substance Desc: Gasoline

23 East 1/8-1/4 0.166 mi. 875 ft.	FIRE STATION 4 220 N OLIVE ST SOUTH BEND, IN 46628	UST	U003951248 N/A
-----------------------------------------------	-----------------------------------------------------------------	-----	-------------------

Relative: Higher	UST:	Facility ID: 409 Owner Id: 5833
Actual: 715 ft.		Company Name: City Of South Bend Fire Dept Mailing Address: 701 W Sample St Mailing Address 2: Not reported Mailing City,St,Zip: South Bend, IN 46625
		Tank Number: 1 Install Date: Not reported Tank Status: Permanently Out of Service

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FIRE STATION 4 (Continued)

U003951248

Substance Desc: Gasoline

Tank Number: 2
Install Date: Not reported
Tank Status: Permanently Out of Service
Substance Desc: Diesel

Tank Number: 3
Install Date: Not reported
Tank Status: Permanently Out of Service
Substance Desc: Used Oil

Tank Number: 4
Install Date: Not reported
Tank Status: Permanently Out of Service
Substance Desc: Used Oil

E24
East
1/8-1/4
0.167 ml.
880 ft.

GREEN BLANCHARD
316 N OLIVE
SOUTH BEND, IN 46628

UST U001081667
N/A

Site 2 of 2 in cluster E

Relative:
Higher

UST:

Facility ID: 14428
Owner Id: 6088
Company Name: Green Blanchard
Mailing Address: 316 N Olive
Mailing Address 2: Not reported
Mailing City,St,Zip: South Bend, IN 46628

Actual:
715 ft.

Tank Number: 1
Install Date: Not reported
Tank Status: Permanently Out of Service
Substance Desc: Unknown

Tank Number: 2
Install Date: Not reported
Tank Status: Permanently Out of Service
Substance Desc: Unknown

F25
SE
1/8-1/4
0.217 ml.
1144 ft.

WHITEFORD TRAILER & EQUIPMENT CO
137 S OLIVE ST
SOUTH BEND, IN 46619

RCRA-CESQG 1000202763
FINDS IND001870062
MANIFEST

Site 1 of 4 in cluster F

Relative:
Higher

RCRA-CESQG:

Date form received by agency: 01/03/2007
Facility name: WHITEFORD TRAILER
Facility address: 137 S OLIVE ST
SOUTH BEND, IN 46619

Actual:
716 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number
EPA ID Number

WHITEFORD TRAILER & EQUIPMENT CO (Continued)

1000202763

EPA ID: IND001870062
Contact: BOB QUINN
Contact address: 137 S OLIVE ST
SOUTH BEND, IN 46619
Contact country: US
Contact telephone: 574674-0161
Contact email: Not reported
EPA Region: 05
Land type: Private
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: RON WHITEFORD II
Owner/operator address: 137 S OLIVE
SOUTH BEND, IN 46619
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 03/01/2001
Owner/Op end date: Not reported
Owner/operator name: WHITEFORD TRAILER & EQUIPMENT CO
Owner/operator address: 127 S OLIVE ST
SOUTH BEND, IN 46619
Owner/operator country: US
Owner/operator telephone: (574) 288-2541
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/0001
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WHITEFORD TRAILER & EQUIPMENT CO (Continued)

1000202763

Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 04/20/2004
Facility name: WHITEFORD TRAILER
Site name: WHITEFORD TRAILER & EQUIPMENT CO
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 04/22/2002
Facility name: WHITEFORD TRAILER
Site name: WHITEFORD TRAILER & EQUIPMENT CO
Classification: Small Quantity Generator

Date form received by agency: 09/25/1996
Facility name: WHITEFORD TRAILER
Site name: WHITEFORD TRAILER & EQUIPMENT CO
Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Facility Has Received Notices of Violations:

Regulation violated: FR - 262.40

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number
EPA ID Number

WHITEFORD TRAILER & EQUIPMENT CO (Continued)

1000202763

Area of violation: Generators - Records/Reporting
Date violation determined: 01/30/2002
Date achieved compliance: 08/01/2002
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/14/2002
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: FR - 262.34d
Area of violation: Generators - Pre-transport
Date violation determined: 01/30/2002
Date achieved compliance: 08/01/2002
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/14/2002
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: FR - 262.11
Area of violation: Generators - General
Date violation determined: 01/30/2002
Date achieved compliance: 08/01/2002
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/14/2002
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: FR - 262.34c1
Area of violation: Generators - Pre-transport
Date violation determined: 01/30/2002
Date achieved compliance: 08/01/2002
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/14/2002
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Evaluation Action Summary:
Evaluation date: 06/11/2007

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WHITEFORD TRAILER & EQUIPMENT CO (Continued)

1000202763

Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/15/2007
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/30/2002
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 08/01/2002
Evaluation lead agency: State

Evaluation date: 01/30/2002
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 08/01/2002
Evaluation lead agency: State

Evaluation date: 01/30/2002
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Records/Reporting
Date achieved compliance: 08/01/2002
Evaluation lead agency: State

FINDS:

Registry ID: 110001353561

Environmental Interest/Information System

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

I-FRS (Indiana - Facility Registry System). The Indiana Department of Environmental Management (I-DEM) has implemented the Indiana-Facility Registry System (I-FRS). The I-FRS provides the interface and processes to link facility data monitored by multiple State and EPA program systems. In addition, I-FRS enables IDEM to reconcile environmental data and exchange it with EPA FRS using the electronic data exchange over the Network Node.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WHITEFORD TRAILER & EQUIPMENT CO (Continued)

1000202763

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

IN MANIFEST:

EPA ID: IND001870062
Year: Not reported
Tons Generated: Not reported
Tons Shipped OffSite: Not reported

Manifest Handler:

EPA Id #: IND001870062
Generator Type: CEG
Generator Status: Active
Transporter Type: Not reported
Transporter Status: Non Active
TSD Type: Interim or Enforcement TSD
TSD Status: Non Active
Handler Mailing Address: 137 S OLIVE ST
Handler Mailing City: SOUTH BEND
Handler Mailing State: IN
Handler Mailing Zip: 46619
Contact Last Name: QUINN
Contact First Name: BOB
Contact Telephone: 574-288-2541
Contact Type: B

Receiver Records:

Report Year: Not reported
TSD EPA Id: Not reported
Page Number: Not reported
Sub Page: Not reported
Generator EPA ID: Not reported
Waste Description: Not reported
Quantity of Waste: Not reported
Quantity Rec Report Yrly Tons: Not reported
Unit of Measure: Not reported

Shipment Records:

Generator EPA Id: Not reported
Actual Generator Type: Not reported
Waste Description Shipped: Not reported
Shipped File Page Number: Not reported
Number Of TSD Facilities: Not reported
Waste Codes on Page Number: Not reported
Waste Code: Not reported
Tons Of Waste Shipped Year: Not reported
TSD Facility EPA ID: Not reported
TSD Name: Not reported
Facility Address 2: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number
EPA ID Number

WHITEFORD TRAILER & EQUIPMENT CO (Continued)

1000202763

Transporter Records:

Report Year: Not reported
Generator EPA ID: Not reported
Page Number of Report: Not reported
TSD EPA Id: Not reported
Num Of Transporters Used: Not reported

EPA ID: IND001870062
Year: Not reported
Tons Generated: Not reported
Tons Shipped OffSite: Not reported

EPA ID: IND001870062
Year: Not reported
Tons Generated: Not reported
Tons Shipped OffSite: Not reported

F26
SE
1/8-1/4
0.217 mi.
1144 ft.

FRUEHAUF TRAILER CORP
137 S OLIVE ST
SOUTH BEND, IN 46619

LUST U001082592
UST N/A

Site 2 of 4 in cluster F

Relative:
Higher

LUST:

Facility ID: 18437
Incident Number: 199301523
Affected Area: Soil
Description: NFA-UST Branch Guidance Manual
Priority: Low

Actual:
716 ft.

UST:

Facility ID: 18437
Owner Id: 10640
Company Name: Fruenaufr Trailer Corp
Mailing Address: 137 S Olive St
Mailing Address 2: Not reported
Mailing City,St,Zip: South Bend, IN 466190067

Tank Number: 1
Install Date: Not reported
Tank Status: Permanently Out of Service
Substance Desc: Used Oil

F27
SE
1/8-1/4
0.222 mi.
1173 ft.

KMH SYSTEMS
143 S OLIVE ST
SOUTH BEND, IN 46619

RCRA-NonGen 1000161630
FINDS IND984875849
MANIFEST

Site 3 of 4 in cluster F

Relative:
Higher

RCRA-NonGen:

Date form received by agency: 06/09/2004
Facility name: KIMBALL GROUP SOUTH BEND
Facility address: 143 S OLIVE ST
SOUTH BEND, IN 46619

Actual:
716 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number
EPA ID Number

KMH SYSTEMS (Continued)

1000161630

EPA ID: IND984875849
Mailing address: PO BOX 3125
SOUTH BEND, IN 46619
Contact: DAVID NARAGON
Contact address: PO BOX 3125
SOUTH BEND, IN 46619
Contact country: US
Contact telephone: (219) 288-0655
Contact email: Not reported
EPA Region: 05
Land type: Private
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: JOHN GUENIN
Owner/operator address: 6900 POE AVE
DAYTON, OH 45414
Owner/operator country: Not reported
Owner/operator telephone: (513) 890-0711
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/0001
Owner/Op end date: Not reported

Owner/operator name: JOHN GUENIN
Owner/operator address: 6900 POE AVE
DAYTON, OH 45414
Owner/operator country: Not reported
Owner/operator telephone: (513) 890-0711
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 01/22/1996
Facility name: KIMBALL GROUP SOUTH BEND
Classification: Small Quantity Generator

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number
EPA ID Number

KMH SYSTEMS (Continued)

1000161630

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D008
Waste name: LEAD

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number
EPA ID Number

KMH SYSTEMS (Continued)

1000161630

USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D008
Waste name: LEAD

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Facility Has Received Notices of Violations:

Regulation violated: FR - 279.22d
Area of violation: Used Oil - Generators
Date violation determined: 06/07/2001
Date achieved compliance: 10/13/2001
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/27/2001
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Evaluation Action Summary:

Evaluation date: 12/13/2001
Evaluation: COMPLIANCE SCHEDULE EVALUATION
Area of violation: Used Oil - Generators
Date achieved compliance: 10/13/2001
Evaluation lead agency: State

Evaluation date: 06/07/2001
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Used Oil - Generators
Date achieved compliance: 10/13/2001
Evaluation lead agency: State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KMH SYSTEMS (Continued)

1000161630

FINDS:

Registry ID: 110003101054

Environmental Interest/Information System

IN-FRS (Indiana - Facility Registry System). The Indiana Department of Environmental Management (I-DEM) has implemented the Indiana-Facility Registry System (I-FRS). The I-FRS provides the interface and processes to link facility data monitored by multiple State and EPA program systems. In addition, I-FRS enables IDEM to reconcile environmental data and exchange it with EPA FRS using the electronic data exchange over the Network Node.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

IN MANIFEST:

EPA ID: IND984875849
Year: Not reported
Tons Generated: Not reported
Tons Shipped OffSite: Not reported

Manifest Handler:

EPA Id #: IND984875849
Generator Type: Not reported
Generator Status: Non Active
Transporter Type: Not reported
Transporter Status: Non Active
TSD Type: Interim or Enforcement TSD
TSD Status: Non Active
Handler Mailing Address: PO BOX 3125
Handler Mailing City: SOUTH BEND
Handler Mailing State: IN
Handler Mailing Zip: 46619
Contact Last Name: NARAGON
Contact First Name: DAVID
Contact Telephone: 574-288-0655
Contact Type: B

Receiver Records:

Report Year: Not reported
TSD EPA Id: Not reported
Page Number: Not reported
Sub Page: Not reported
Generator EPA ID: Not reported
Waste Description: Not reported
Quantity of Waste: Not reported
Quantity Rec Report Yrly Tons: Not reported
Unit of Measure: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KMH SYSTEMS (Continued)

1000161630

Shipment Records:

Generator EPA Id: Not reported
Actual Generator Type: Not reported
Waste Description Shipped: Not reported
Shipped File Page Number: Not reported
Number Of TSD Facilities: Not reported
Waste Codes on Page Number: Not reported
Waste Code: Not reported
Tons Of Waste Shipped Year: Not reported
TSD Facility EPA ID: Not reported
TSD Name: Not reported
Facility Address 2: Not reported

Transporter Records:

Report Year: Not reported
Generator EPA ID: Not reported
Page Number of Report: Not reported
TSD EPA Id: Not reported
Num Of Transporters Used: Not reported

EPA ID: IND984875849
Year: Not reported
Tons Generated: Not reported
Tons Shipped OffSite: Not reported

EPA ID: IND984875849
Year: Not reported
Tons Generated: Not reported
Tons Shipped OffSite: Not reported

F28
SE
1/8-1/4
0.222 mi.
1173 ft.

KIMBALL INDUSTRIAL SALES INC
143 S OLIVE ST
SOUTH BEND, IN 46619
Site 4 of 4 in cluster F

LUST 1000762525
UST N/A

Relative:
Higher

LUST:

Facility ID: 13988
Incident Number: 199005520
Affected Area: Soil
Description: Discontinued (active)
Priority: Low

Actual:
716 ft.

UST:

Facility ID: 13988
Owner Id: 6299
Company Name: Kimball Industrial Sales Inc
Mailing Address: 143 S Olive St
Mailing Address 2: Not reported
Mailing City,St,Zip: South Bend, IN 46619

Tank Number: 1
Install Date: Not reported
Tank Status: Permanently Out of Service
Substance Desc: Gasoline

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site Database(s) EDR ID Number
EPA ID Number

KIMBALL INDUSTRIAL SALES INC (Continued)

1000762525

Tank Number: 2
Install Date: Not reported
Tank Status: Permanently Out of Service
Substance Desc: Used Oil

29
SE
1/4-1/2
0.310 ml.
1638 ft.

YELLOW FREIGHT SYSTEM INC
215 S OLIVE
SOUTH BEND, IN 46619

LUST 1000761060
UST N/A

Relative:
Higher

LUST:

Facility ID: 7419
Incident Number: 199009519
Affected Area: Soil
Description: NFA-UST Branch Guidance Manual
Priority: Low

Actual:
716 ft.

UST:

Facility ID: 7419
Owner Id: 1118
Company Name: Yellow Trans Inc attn: env services
Mailing Address: 10990 Roe Ave
Mailing Address 2: Not reported
Mailing City,St,Zip: Overland Park, KS 66211

Tank Number: 1
Install Date: Not reported
Tank Status: Permanently Out of Service
Substance Desc: Diesel

Tank Number: 2
Install Date: Not reported
Tank Status: Permanently Out of Service
Substance Desc: Gasoline

G30
SSW
1/4-1/2
0.365 ml.
1927 ft.

LASALLE PARK/BECK'S LAKE
3419 W WASHINGTON ST
SOUTH BEND, IN 46619

BROWNFIELDS S105702648
N/A

Site 1 of 2 in cluster G

Relative:
Lower

IN BROWNFIELD:

Facility ID: 4020004
Project Manager: Daniel Chesterson
AI Id: 34794

Actual:
712 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

G31 LASALLE PART/BECK'S LAKE
SSW 3419 WEST WASHINGTON STREET
1/4-1/2 SOUTH BEND, IN 46619
0.365 mi.
1927 ft. Site 2 of 2 in cluster G

US BROWNFIELDS 1009310505
N/A

Relative: US BROWNFIELDS:
Lower Recipient name: R5 Brownfields TBA (previously Superfund TBA)
Grant type: TBA
Actual: Property name: Lasalle Part/Beck'S Lake
712 ft. Property #: Not reported
Parcel size: Not reported
Latitude: 41.875278
Longitude: -86.296667
HCM label: Not reported
Map scale: Not reported
Point of reference: Not reported
Datum: Not reported
ACRES property ID: 10764
Start date: Not reported
Completed date: Not reported
Acres cleaned up: Not reported
Cleanup funding: Not reported
Cleanup funding source: Not reported
Assessment funding: 1
Assessment funding source: US EPA - TBA Funding
Redevelopment funding: Not reported
Redev. funding source: Not reported
Redev. funding entity name: Not reported
Redevelopment start date: Not reported
Assessment funding entity: EPA
Cleanup funding entity: Not reported
Grant type: H
Accomplishment type: Phase II Environmental Assessment
Ownership entity: Not reported
Current owner: Not reported
Did owner change: Not reported
Cleanup required: Not reported
Video available: Not reported
Photo available: Not reported
Institutional controls required: Not reported
IC Category proprietary controls: Not reported
IC cat. info. devices: Not reported
IC cat. gov. controls: Not reported
IC cat. enforcement permit tools: Not reported
IC in place date: Not reported
IC in place: Unknown
State/tribal program date: Not reported
State/tribal program ID: Not reported
State/tribal NFA date: Not reported
Air contaminated: Not reported
Air cleaned: Not reported
Asbestos found: Not reported
Asbestos cleaned: Not reported
Controlled substance found: Not reported
Controlled substance cleaned: Not reported
Drinking water affected: Not reported
Drinking water cleaned: Not reported
Groundwater affected: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

LASALLE PART/BECK'S LAKE (Continued)

1009310505

Groundwater cleaned: Not reported
 Lead contaminant found: Not reported
 Lead cleaned up: Not reported
 No media affected: Not reported
 Unknown media affected: Not reported
 Other cleaned up: Not reported
 Other metals found: Not reported
 Other metals cleaned: Not reported
 Other contaminants found: Not reported
 Other contams found description: Not reported
 PAHs found: Not reported
 PAHs cleaned up: Not reported
 PCBs found: Not reported
 PCBs cleaned up: Not reported
 Petro products found: Not reported
 Petro products cleaned: Not reported
 Sediments found: Not reported
 Sediments cleaned: Not reported
 Soil affected: Not reported
 Soil cleaned up: Not reported
 Surface water cleaned: Not reported
 Unknown found: Not reported
 VOCs found: Not reported
 VOCs cleaned: Not reported
 Cleanup other description: Not reported
 Num. of cleanup and re-dev. jobs: Not reported
 Past use greenspace acreage: Not reported
 Past use residential acreage: Not reported
 Past use commercial acreage: Not reported
 Past use industrial acreage: Not reported
 Future use greenspace acreage: Not reported
 Future use residential acreage: Not reported
 Future use commercial acreage: Not reported
 Future use industrial acreage: Not reported
 Greenspace acreage and type: Not reported
 Superfund Fed. landowner flag: Not reported

32
 SSE
 1/4-1/2
 0.413 ml.
 2179 ft.

BRINK'S INCORPORATED
 2508 W WESTERN ST
 SOUTH BEND, IN 46619

LUST U003093254
 UST N/A

Relative:
 Higher

LUST:
 Facility ID: 2562
 Incident Number: 199211539
 Affected Area: Soil
 Description: NFA-UST Branch Guidance Manual
 Priority: Low

Actual:
 715 ft.

UST:
 Facility ID: 2562
 Owner Id: 5756
 Company Name: Brinks Inc
 Mailing Address: 2508 W Western St
 Mailing Address 2: Not reported
 Mailing City,St,Zip: South Bend, IN 46619

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BRINK'S INCORPORATED (Continued)

U003093254

Tank Number: 1
Install Date: Not reported
Tank Status: Permanently Out of Service
Substance Desc: Diesel

H33 SHELL OIL SOUTH BEND EASTON & WALTERS
SSE 2404 W WESTERN AVE
1/4-1/2 SOUTH BEND, IN 46619
0.431 ml.
2278 ft.

LUST S106350102
N/A

Relative:
Higher

LUST:

Facility ID: 121
Incident Number: 198905500
Affected Area: Soil
Description: NFA-UST Branch Guidance Manual
Priority: Medium

Actual:
716 ft.

Facility ID: 121
Incident Number: 198905500
Affected Area: Groundwater
Description: NFA-UST Branch Guidance Manual
Priority: Medium

34 O'BRIEN PAINTS
East 2001 W. WASHINGTON AVE.
1/4-1/2 SOUTH BEND, IN
0.435 ml.
2298 ft.

VCP S105202496
N/A

Relative:
Higher

IN VCP:

Status: Active
VRP Id Number: 6960601
Applicant Name: Unroyal
LandUse Restrictions/Institutional Controls: Not reported
Project Manager: Holland
Covenant Not To Sue Date: Not reported
Certificate of Completion Date: Not reported

Actual:
719 ft.

H35 MARATHON UNIT #3717
SSE 2322 WESTERN AVE
1/4-1/2 SOUTH BEND, IN 46619
0.450 ml.
2378 ft.

LUST 1000464851
N/A

Relative:
Higher

LUST:

Facility ID: 10551
Incident Number: 199008610
Affected Area: Soil
Description: Monitored natural attenuation (active)
Priority: Medium

Actual:
716 ft.

Facility ID: 10551
Incident Number: 199008610
Affected Area: Methyl-tertiary-butyl-ether

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number
EPA ID Number

MARATHON UNIT #3717 (Continued)

1000464851

Description: Monitored natural attenuation (active)
Priority: Medium

Facility ID: 10551
Incident Number: 200207501
Affected Area: Groundwater
Description: NFA-RISC industrial soil and ground water
Priority: Medium

Facility ID: 10551
Incident Number: 200207501
Affected Area: Soil
Description: NFA-RISC industrial soil and ground water
Priority: Medium

Facility ID: 10551
Incident Number: 200207501
Affected Area: Methyl-tertiary-butyl-ether
Description: NFA-RISC industrial soil and ground water
Priority: Medium

Facility ID: 10551
Incident Number: 199008610
Affected Area: Groundwater
Description: Monitored natural attenuation (active)
Priority: Medium

36
North
1/4-1/2
0.451 mi.
2383 ft.

NATIONWISE AUTO PARTS #269
1033 N BENDIX
SOUTH BEND, IN 46628

LUST U001081228
UST N/A

Relative:
Higher

LUST:
Facility ID: 13076
Incident Number: 199402518
Affected Area: Soil
Description: Active
Priority: Low

Actual:
724 ft.

UST:
Facility ID: 13076
Owner Id: 5193
Company Name: Nationwide Auto Parts
Mailing Address: 3750 Courtright Ct
Mailing Address 2: Not reported
Mailing City,St,Zip: Columbus, OH 43227

Tank Number: 1
Install Date: 1984-01-01 00:00:00
Tank Status: Permanently Out of Service
Substance Desc: Used Oil

MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

37
 NNE
 1/4-1/2
 0.461 mi.
 2432 ft.

MARATHON UNIT 3190
2405 LINCOLNWAY W
SOUTH BEND, IN 46628

LUST U001078688
 UST N/A

Relative:
 Lower

LUST:

Facility ID: 5483
 Incident Number: 199303501
 Affected Area: Soil
 Description: NFA-UST Branch Guidance Manual
 Priority: Medium

Actual:
 713 ft.

Facility ID: 5483
 Incident Number: 199303501
 Affected Area: Groundwater
 Description: NFA-UST Branch Guidance Manual
 Priority: Medium

UST:

Facility ID: 5483
 Owner Id: 110
 Company Name: Marathon Petroleum Company LLC
 Mailing Address: 539 S Main St
 Mailing Address 2: Not reported
 Mailing City,St,Zip: Findlay, OH 458403295

Tank Number: 1
 Install Date: Not reported
 Tank Status: Permanently Out of Service
 Substance Desc: Gasoline

Tank Number: 2
 Install Date: Not reported
 Tank Status: Permanently Out of Service
 Substance Desc: Gasoline

Tank Number: 3
 Install Date: Not reported
 Tank Status: Permanently Out of Service
 Substance Desc: Gasoline

Tank Number: 4
 Install Date: Not reported
 Tank Status: Permanently Out of Service
 Substance Desc: Gasoline

Tank Number: 5
 Install Date: Not reported
 Tank Status: Permanently Out of Service
 Substance Desc: Gasoline

Tank Number: 6
 Install Date: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

MARATHON UNIT 3190 (Continued)

U001078688

Tank Status: Permanently Out of Service
 Substance Desc: Used Oil

138
 SE
 1/4-1/2
 0.479 mi.
 2528 ft.

SAFETY KLEEN CORP
2217 W WESTERN AVE
SOUTH BEND, IN
 Site 1 of 2 in cluster I

AUL S110064377
 TIER 2 N/A

Relative:
 Higher

AUL:

Actual:
 716 ft.

IC TYPE:	Environmental Restrictive Covenant
Facility Id:	IND000715474
Program Area:	HW
Affected Media:	Surface Soil SubSurface Soil Ground Water
Date Ic Recorded:	03/16/2007
Description:	Not reported
Control Method A:	Access controls Explain
Coverage A:	Entire Property
Chemicals Of Concern A:	VOC - Volatile Organic Compounds
Comments A:	Not reported
Control Method B:	Excavation Notice Required
Coverage B:	Entire Property
Chemicals Of Concern B:	VOC - Volatile Organic Compounds
Comments B:	No excavation of soil anywhere in affected areas without first receiving IDEM's approval of a work plan describing such actions.
Control Method C:	Ground Water Use Restriction
Coverage C:	Entire Property
Chemicals Of Concern C:	VOC - Volatile Organic Compounds
Comments C:	Not reported
Control Method D:	Residential Use Restriction
Coverage D:	Entire Property
Chemicals Of Concern D:	VOC - Volatile Organic Compounds
Comments D:	Not reported
Control Method E:	Not reported
Coverage E:	Not reported
Chemicals Of Concern E:	Not reported
Comments E:	Not reported
Control Method F:	Not reported
Coverage F:	Not reported
Chemicals Of Concern F:	Not reported
Comments F:	Not reported
Control Method G:	Not reported
Coverage G:	Not reported
Chemicals Of Concern G:	Not reported
Comments G:	Not reported
Control Method H:	Not reported
Coverage H:	Not reported
Chemicals Of Concern H:	Not reported
Comments H:	Not reported
Control Method I:	Not reported
Coverage I:	Not reported
Chemicals Of Concern I:	Not reported
Comments I:	Not reported

IN TIER 2:

Facility ID and Name: 11666 SAFETY KLEEN CORP
 SIC Code: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number
EPA ID Number

SAFETY KLEEN CORP (Continued)

S110064377

Contact Name: Not reported
Contact Phone: Not reported
Owner Name: Not reported
Owner Phone: Not reported

Contact:
Facility Id: 11666
Contact Type: Secondary Emergency Conta
Contact Name: David Newhouse
Mailing Address1: 2217 Western Ave
Mailing Address2: Not reported
Mailing Address3: Not reported
Mailing City/State/Zip: South Bend, IN 46619
Phone: 800-468-1760
Type: 24-hour

Facility Id: 11666
Contact Type: Primary Emergency Contact
Contact Name: Paul Harbron
Mailing Address1: 2217 Western Ave
Mailing Address2: Not reported
Mailing Address3: Not reported
Mailing City/State/Zip: South Bend, IN 46619
Phone: 574-289-4510
Type: Work

Facility Id: 11666
Contact Type: Primary Emergency Contact
Contact Name: Paul Harbron
Mailing Address1: 2217 Western Ave
Mailing Address2: Not reported
Mailing Address3: Not reported
Mailing City/State/Zip: South Bend, IN 46619
Phone: 800-468-1760
Type: 24-hour

Facility Id: 11666
Contact Type: Secondary Emergency Conta
Contact Name: David Newhouse
Mailing Address1: 2217 Western Ave
Mailing Address2: Not reported
Mailing Address3: Not reported
Mailing City/State/Zip: South Bend, IN 46619
Phone: 574-289-4510
Type: Work

Facility Id: 11666
Contact Type: Business Owner
Contact Name: Safety Kleen Systems Incorporated
Mailing Address1: 5360 Legacy Dr Bldg 2 Ste 10
Mailing Address2: Not reported
Mailing Address3: Not reported
Mailing City/State/Zip: Plano, TX 75024
Phone: 972-265-2000
Type: Work

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

SAFETY KLEEN CORP (Continued)

S110064377

Chemical Inventory:

Chemical Name: Not reported
 Chemical Info: CAS Num: Chemical Id: Submission Code:
 Chemical Info: Max Daily Amt: Quantity: 0 Container Type:
 Location Description: Not reported

I39
SE
1/4-1/2
0.480 mi.
2537 ft.

SAFETY KLEEN CORPORATION
2217 WESTERN AVENUE
SOUTH BEND, IN 46628

Site 2 of 2 in cluster I

RCRA-TSDF 1000224339
CERC-NFRAP IND000715474
CORRACTS
RCRA-LQG
PADS
FINDS
MANIFEST

Relative:
Higher

Actual:
717 ft.

RCRA-TSDF:

Date form received by agency: 02/15/2010
 Facility name: SAFETY-KLEEN SYSTEMS INC
 Facility address: 2217 WESTERN AVENUE
 SOUTH BEND, IN 46619
 EPA ID: IND000715474
 Mailing address: E VILLA ST
 MANIFESTING/COMPLIANCE
 ELGIN, IL 60120
 Contact: MATT SAUVAGEAU
 Contact address: E VILLA ST EHS
 ELGIN, IL 60120
 Contact country: US
 Contact telephone: (847) 468-6701
 Contact email: MATTHEW.SAUVAGEAU@SAFETY-KLEEN.COM
 EPA Region: 05
 Land type: Private
 Classification: TSDF
 Description: Handler is engaged in the treatment, storage or disposal of hazardous waste
 Classification: Large Quantity Generator
 Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: SAFETY-KLEEN SYSTEMS IN
 Owner/operator address: Not reported
 Not reported
 Owner/operator country: US
 Owner/operator telephone: Not reported
 Legal status: Private
 Owner/Operator Type: Operator
 Owner/Op start date: 04/07/1989

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAFETY KLEEN CORPORATION (Continued)

1000224339

Owner/Op end date: Not reported

Owner/operator name: SAFETY-KLEEN SYSTEMS IN
Owner/operator address: LEGACY DRIVE CLUSTER II BLDG 3
PLANO, TX 75024

Owner/operator country: US
Owner/operator telephone: (972) 265-2000
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 04/07/1989
Owner/Op end date: Not reported

Owner/operator name: SAFETY KLEEN CORP
Owner/operator address: 655 BIG TIMBER RD
CITY NOT REPORTED, IL 99998

Owner/operator country: Not reported
Owner/operator telephone: (312) 697-8460
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: Yes

Historical Generators:

Date form received by agency: 09/26/2008
Facility name: SAFETY-KLEEN SYSTEMS INC
Site name: SAFETY KLEEN SYSTEMS INC
Classification: Large Quantity Generator

Date form received by agency: 01/29/2008
Facility name: SAFETY-KLEEN SYSTEMS INC
Site name: SAFETY KLEEN SYSTEMS INC
Classification: Large Quantity Generator

Date form received by agency: 01/24/2008
Facility name: SAFETY-KLEEN SYSTEMS INC
Site name: SAFETY KLEEN SYSTEMS INC
Classification: Large Quantity Generator

Date form received by agency: 02/14/2007

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAFETY KLEEN CORPORATION (Continued)

1000224339

Facility name: SAFETY-KLEEN SYSTEMS INC
Site name: SAFETY KLEEN SYSTEMS INC
Classification: Large Quantity Generator

Date form received by agency: 03/13/2006
Facility name: SAFETY-KLEEN SYSTEMS INC
Site name: SAFETY KLEEN SYSTEMS INC
Classification: Large Quantity Generator

Date form received by agency: 03/07/2005
Facility name: SAFETY-KLEEN SYSTEMS INC
Site name: SAFETY KLEEN SYSTEMS INC
Classification: Large Quantity Generator

Date form received by agency: 02/20/2004
Facility name: SAFETY-KLEEN SYSTEMS INC
Site name: SAFETY KLEEN SYSTEMS INC
Classification: Large Quantity Generator

Date form received by agency: 02/16/2004
Facility name: SAFETY-KLEEN SYSTEMS INC
Site name: SAFETY KLEEN SYSTEMS INC
Classification: Large Quantity Generator

Date form received by agency: 10/16/2003
Facility name: SAFETY-KLEEN SYSTEMS INC
Site name: SAFETY KLEEN SYSTEMS INC
Classification: Large Quantity Generator

Date form received by agency: 02/04/2002
Facility name: SAFETY-KLEEN SYSTEMS INC
Site name: SAFETY KLEEN SYSTEMS INC
Classification: Large Quantity Generator

Date form received by agency: 08/10/2001
Facility name: SAFETY-KLEEN SYSTEMS INC
Site name: SAFETY KLEEN SYSTEMS INC
Classification: Unverified

Date form received by agency: 03/23/2001
Facility name: SAFETY-KLEEN SYSTEMS INC
Site name: SAFETY-KLEEN SYSTEMS, INC. - ST. JOSEPH
Classification: Large Quantity Generator

Date form received by agency: 07/08/1998
Facility name: SAFETY-KLEEN SYSTEMS INC
Site name: SAFETY KLEEN SYSTEMS INC
Classification: Large Quantity Generator

Date form received by agency: 02/17/1998
Facility name: SAFETY-KLEEN SYSTEMS INC
Site name: SAFETY KLEEN CORP
Classification: Large Quantity Generator

Date form received by agency: 02/20/1996
Facility name: SAFETY-KLEEN SYSTEMS INC
Site name: SAFETY-KLEEN CORP.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAFETY KLEEN CORPORATION (Continued)

1000224339

Classification: Large Quantity Generator

Date form received by agency: 05/08/1994

Facility name: SAFETY-KLEEN SYSTEMS INC
Site name: SAFETY KLEEN SYSTEMS INC
Classification: Large Quantity Generator

Date form received by agency: 03/08/1994

Facility name: SAFETY-KLEEN SYSTEMS INC
Site name: SAFETY-KLEEN CORP
Classification: Large Quantity Generator

Date form received by agency: 03/30/1992

Facility name: SAFETY-KLEEN SYSTEMS INC
Site name: SAFETY-KLEEN CORP.
Classification: Large Quantity Generator

Date form received by agency: 03/01/1990

Facility name: SAFETY-KLEEN SYSTEMS INC
Site name: SAFETY-KLEEN CORP. 5-082-01
Classification: Large Quantity Generator

Date form received by agency: 11/19/1980

Facility name: SAFETY-KLEEN SYSTEMS INC
Site name: SAFETY KLEEN SYSTEMS INC
Classification: Not a generator, verified

Hazardous Waste Summary:

Waste code: F002

Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F004

Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: CRESOLS AND CRESYLIC ACID, AND NITROBENZENE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D004

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAFETY KLEEN CORPORATION (Continued)

1000224339

Waste name:	ARSENIC
Waste code:	D005
Waste name:	BARIUM
Waste code:	D006
Waste name:	CADMIUM
Waste code:	D007
Waste name:	CHROMIUM
Waste code:	D008
Waste name:	LEAD
Waste code:	D009
Waste name:	MERCURY
Waste code:	D010
Waste name:	SELENIUM
Waste code:	D011
Waste name:	SILVER
Waste code:	D018
Waste name:	BENZENE
Waste code:	D019
Waste name:	CARBON TETRACHLORIDE
Waste code:	D021
Waste name:	CHLOROBENZENE
Waste code:	D022
Waste name:	CHLOROFORM
Waste code:	D023
Waste name:	O-CRESOL
Waste code:	D024
Waste name:	M-CRESOL
Waste code:	D025
Waste name:	P-CRESOL
Waste code:	D026
Waste name:	CRESOL
Waste code:	D027
Waste name:	1,4-DICHLOROBENZENE
Waste code:	D028
Waste name:	1,2-DICHLOROETHANE
Waste code:	D029
Waste name:	1,1-DICHLOROETHYLENE
Waste code:	D030

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAFETY KLEEN CORPORATION (Continued)

1000224339

Waste name: 2,4-DINITROTOLUENE

Waste code: D032
Waste name: HEXACHLOROBENZENE

Waste code: D033
Waste name: HEXACHLOROBUTADIENE

Waste code: D034
Waste name: HEXACHLOROETHANE

Waste code: D035
Waste name: METHYL ETHYL KETONE

Waste code: D036
Waste name: NITROBENZENE

Waste code: D037
Waste name: PENTRACHLOROPHENOL

Waste code: D038
Waste name: PYRIDINE

Waste code: D039
Waste name: TETRACHLOROETHYLENE

Waste code: D040
Waste name: TRICHLOROETHYLENE

Waste code: D041
Waste name: 2,4,5-TRICHLOROPHENOL

Waste code: D042
Waste name: 2,4,6-TRICHLOROPHENOL

Waste code: D043
Waste name: VINYL CHLORIDE

Waste code: F002
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAFETY KLEEN CORPORATION (Continued)

1000224339

MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Biennial Reports:

Last Biennial Reporting Year: 2011

Annual Waste Handled:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Amount (Lbs): 422678

Waste code: D004
Waste name: ARSENIC
Amount (Lbs): 8360

Waste code: D005
Waste name: BARIUM
Amount (Lbs): 8360

Waste code: D006
Waste name: CADMIUM
Amount (Lbs): 8360

Waste code: D007
Waste name: CHROMIUM
Amount (Lbs): 8360

Waste code: D008
Waste name: LEAD
Amount (Lbs): 8360

Waste code: D009
Waste name: MERCURY
Amount (Lbs): 8360

Waste code: D010
Waste name: SELENIUM
Amount (Lbs): 8360

Waste code: D011
Waste name: SILVER

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAFETY KLEEN CORPORATION (Continued)

1000224339

Amount (Lbs):	8360
Waste code:	D018
Waste name:	BENZENE
Amount (Lbs):	427550
Waste code:	D019
Waste name:	CARBON TETRACHLORIDE
Amount (Lbs):	8360
Waste code:	D021
Waste name:	CHLOROBENZENE
Amount (Lbs):	8360
Waste code:	D022
Waste name:	CHLOROFORM
Amount (Lbs):	8360
Waste code:	D023
Waste name:	O-CRESOL
Amount (Lbs):	8360
Waste code:	D024
Waste name:	M-CRESOL
Amount (Lbs):	8360
Waste code:	D025
Waste name:	P-CRESOL
Amount (Lbs):	8360
Waste code:	D026
Waste name:	CRESOL
Amount (Lbs):	8360
Waste code:	D027
Waste name:	1,4-DICHLOROBENZENE
Amount (Lbs):	8360
Waste code:	D028
Waste name:	1,2-DICHLOROETHANE
Amount (Lbs):	8360
Waste code:	D029
Waste name:	1,1-DICHLOROETHYLENE
Amount (Lbs):	8360
Waste code:	D030
Waste name:	2,4-DINITROTOLUENE
Amount (Lbs):	8360
Waste code:	D032
Waste name:	HEXACHLOROBENZENE
Amount (Lbs):	8360
Waste code:	D033
Waste name:	HEXACHLOROBUTADIENE
Amount (Lbs):	8360

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAFETY KLEEN CORPORATION (Continued)

1000224339

Waste code: D034
Waste name: HEXACHLOROETHANE
Amount (Lbs): 8360

Waste code: D035
Waste name: METHYL ETHYL KETONE
Amount (Lbs): 8360

Waste code: D036
Waste name: NITROBENZENE
Amount (Lbs): 8360

Waste code: D037
Waste name: PENTRACHLOROPHENOL
Amount (Lbs): 8360

Waste code: D038
Waste name: PYRIDINE
Amount (Lbs): 8360

Waste code: D039
Waste name: TETRACHLOROETHYLENE
Amount (Lbs): 431038

Waste code: D040
Waste name: TRICHLOROETHYLENE
Amount (Lbs): 427550

Waste code: D041
Waste name: 2,4,5-TRICHLOROPHENOL
Amount (Lbs): 8360

Waste code: D042
Waste name: 2,4,6-TRICHLOROPHENOL
Amount (Lbs): 8360

Waste code: D043
Waste name: VINYL CHLORIDE
Amount (Lbs): 8360

Waste code: F002
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 8360

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number
EPA ID Number

SAFETY KLEEN CORPORATION (Continued)

1000224339

NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Amount (Lbs): 8360

Waste code: F005

Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Amount (Lbs): 8360

Corrective Action Summary:

Event date: 12/28/1988
Event: RFA Determination Of Need For An RFI, RFI Is Not Necessary;

Event date: 12/28/1988
Event: RFA Completed

Event date: 09/27/1991
Event: CA Prioritization, Facility or area was assigned a low corrective action priority.

Event date: 03/31/1994
Event: CA Prioritization, Facility or area was assigned a low corrective action priority.

Event date: 05/01/2009
Event: RFA Determination Of Need For An RFI, RFI Is Not Necessary;

Facility Has Received Notices of Violations:

Regulation violated: FR - 262.34/265.35
Area of violation: Generators - Pre-transport
Date violation determined: 06/24/2005
Date achieved compliance: 08/31/2005
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/15/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: FR - 262.34/265.171
Area of violation: Generators - Pre-transport
Date violation determined: 06/24/2005
Date achieved compliance: 08/31/2005

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number
EPA ID Number

SAFETY KLEEN CORPORATION (Continued)

1000224339

Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/15/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: FR - 265.35
Area of violation: TSD - Preparedness and Prevention
Date violation determined: 01/22/2002
Date achieved compliance: 01/22/2002
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/22/2002
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: FR - 262.34a2
Area of violation: Generators - Pre-transport
Date violation determined: 01/22/2002
Date achieved compliance: 01/22/2002
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/22/2002
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: FR - 279.45g
Area of violation: Used Oil - Generators
Date violation determined: 01/22/2002
Date achieved compliance: 01/22/2002
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/22/2002
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: FR - 262.23
Area of violation: Generators - Manifest
Date violation determined: 12/15/1998
Date achieved compliance: 02/12/1999
Violation lead agency: State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAFETY KLEEN CORPORATION (Continued)

1000224339

Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/22/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: FR - 262.20
Area of violation: Generators - Manifest
Date violation determined: 12/15/1998
Date achieved compliance: 02/12/1999
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/22/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 09/21/1995
Date achieved compliance: 12/01/1995
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 09/21/1995
Date achieved compliance: 12/01/1995
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 09/15/1993
Date achieved compliance: 01/03/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAFETY KLEEN CORPORATION (Continued)

1000224339

Enforcement action date: 12/10/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: Not reported
Area of violation: Generators - Manifest
Date violation determined: 09/15/1993
Date achieved compliance: 01/03/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/10/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: Not reported
Area of violation: Generators - Records/Reporting
Date violation determined: 09/15/1993
Date achieved compliance: 01/03/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/10/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: Not reported
Area of violation: TSD - Tank System Standards
Date violation determined: 09/28/1992
Date achieved compliance: 03/31/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/08/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 09/28/1992
Date achieved compliance: 03/31/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/08/1993

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAFETY KLEEN CORPORATION (Continued)

1000224339

Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 09/28/1992
Date achieved compliance: 12/10/1993
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 03/10/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 37219
Final penalty amount: 37219
Paid penalty amount: 37219

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 09/26/1991
Date achieved compliance: 12/10/1993
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 03/10/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 37219
Final penalty amount: 37219
Paid penalty amount: 37219

Regulation violated: FR - 40 CFR 268.9
Area of violation: LDR - General
Date violation determined: 09/26/1991
Date achieved compliance: 07/15/1993
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: Not reported
Area of violation: Generators - Manifest
Date violation determined: 09/26/1991
Date achieved compliance: 12/10/1993
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 03/10/1993
Enf. disposition status: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAFETY KLEEN CORPORATION (Continued)

1000224339

Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 37219
Final penalty amount: 37219
Paid penalty amount: 37219

Regulation violated: FR - 40 CFR 268.7
Area of violation: LDR - General
Date violation determined: 09/26/1991
Date achieved compliance: 07/15/1993
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: Not reported
Area of violation: TSD - Contingency Plan and Emergency Procedures
Date violation determined: 09/26/1991
Date achieved compliance: 12/10/1993
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 03/10/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 37219
Final penalty amount: 37219
Paid penalty amount: 37219

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 09/26/1991
Date achieved compliance: 12/10/1993
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 03/10/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 37219
Final penalty amount: 37219
Paid penalty amount: 37219

Regulation violated: Not reported
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 09/26/1991
Date achieved compliance: 12/10/1993
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 03/10/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAFETY KLEEN CORPORATION (Continued)

1000224339

Enforcement lead agency: State
Proposed penalty amount: 37219
Final penalty amount: 37219
Paid penalty amount: 37219

Regulation violated: Not reported
Area of violation: Permits - Application
Date violation determined: 09/26/1991
Date achieved compliance: 12/10/1993
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 03/10/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 37219
Final penalty amount: 37219
Paid penalty amount: 37219

Regulation violated: FR - 268 & 270,, 271
Area of violation: LDR - General
Date violation determined: 08/30/1990
Date achieved compliance: 07/21/1993
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 08/30/1990
Date achieved compliance: 12/10/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/12/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 08/30/1990
Date achieved compliance: 12/10/1993
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 03/10/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAFETY KLEEN CORPORATION (Continued)

1000224339

Proposed penalty amount: 37219
Final penalty amount: 37219
Paid penalty amount: 37219

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 08/09/1989
Date achieved compliance: 12/10/1993
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 12/03/1987
Date achieved compliance: 09/19/1988
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/17/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Evaluation Action Summary:

Evaluation date: 05/04/2011
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/12/2008
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/24/2005
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 08/31/2005
Evaluation lead agency: State

Evaluation date: 01/22/2002
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Preparedness and Prevention
Date achieved compliance: 01/22/2002
Evaluation lead agency: State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAFETY KLEEN CORPORATION (Continued)

1000224339

Evaluation date: 01/22/2002
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 01/22/2002
Evaluation lead agency: State

Evaluation date: 01/22/2002
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Used Oil - Generators
Date achieved compliance: 01/22/2002
Evaluation lead agency: State

Evaluation date: 12/15/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Manifest
Date achieved compliance: 02/12/1999
Evaluation lead agency: State

Evaluation date: 10/10/1997
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/18/1996
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/29/1996
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/21/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 12/01/1995
Evaluation lead agency: State

Evaluation date: 09/21/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 12/01/1995
Evaluation lead agency: State

Evaluation date: 11/16/1994
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/15/1993
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAFETY KLEEN CORPORATION (Continued)

1000224339

Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/15/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Records/Reporting
Date achieved compliance: 01/03/1994
Evaluation lead agency: State

Evaluation date: 09/15/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 01/03/1994
Evaluation lead agency: State

Evaluation date: 09/15/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Manifest
Date achieved compliance: 01/03/1994
Evaluation lead agency: State

Evaluation date: 10/16/1992
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/28/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 03/31/1993
Evaluation lead agency: State

Evaluation date: 09/28/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 12/10/1993
Evaluation lead agency: State

Evaluation date: 09/28/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Tank System Standards
Date achieved compliance: 03/31/1993
Evaluation lead agency: State

Evaluation date: 10/15/1991
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/26/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 12/10/1993
Evaluation lead agency: State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAFETY KLEEN CORPORATION (Continued)

1000224339

Evaluation date: 09/26/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Closure/Post-Closure
Date achieved compliance: 12/10/1993
Evaluation lead agency: State

Evaluation date: 09/26/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 12/10/1993
Evaluation lead agency: State

Evaluation date: 09/26/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Contingency Plan and Emergency Procedures
Date achieved compliance: 12/10/1993
Evaluation lead agency: State

Evaluation date: 09/26/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Permits - Application
Date achieved compliance: 12/10/1993
Evaluation lead agency: State

Evaluation date: 09/26/1991
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: LDR - General
Date achieved compliance: 07/15/1993
Evaluation lead agency: State

Evaluation date: 09/26/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Manifest
Date achieved compliance: 12/10/1993
Evaluation lead agency: State

Evaluation date: 05/03/1991
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/27/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/30/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 12/10/1993
Evaluation lead agency: State

Evaluation date: 08/30/1990
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: LDR - General

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)
EDR ID Number
EPA ID Number

SAFETY KLEEN CORPORATION (Continued)

1000224339

Date achieved compliance: 07/21/1993
Evaluation lead agency: State

Evaluation date: 02/08/1990
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/09/1989
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Generators - General
Date achieved compliance: 12/10/1993
Evaluation lead agency: State

Evaluation date: 08/09/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/20/1989
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/25/1988
Evaluation: COMPLIANCE SCHEDULE EVALUATION
Area of violation: TSD - General
Date achieved compliance: 09/19/1988
Evaluation lead agency: State

Evaluation date: 12/30/1987
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/03/1987
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 09/19/1988
Evaluation lead agency: State

Evaluation date: 11/16/1987
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

CERC-NFRAP:

Site ID: 0508012
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: Deferred to RCRA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number
EPA ID Number

SAFETY KLEEN CORPORATION (Continued)

1000224339

CERCLIS-NFRAP Site Alias Name(s):

Alias Name: SAFETY KLEEN CORP.
Alias Address: Not reported
ST. JOSEPH, IN

Alias Name: SAFETY KLEEN CORP.
Alias Address: 2217 WESTERN AVENUE
SOUTH BEND, IN 46628

Program Priority:
Description: Great Lakes

CERCLIS-NFRAP Assessment History:

Action: DISCOVERY
Date Started: Not reported
Date Completed: 02/10/1989
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: Not reported
Date Completed: 05/17/1989
Priority Level: Deferred to RCRA (Subtitle C)

Action: ARCHIVE SITE
Date Started: Not reported
Date Completed: 12/13/1995
Priority Level: Not reported

CORRACTS:

EPA ID: IND000715474
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 03/31/1994
Action: CA075LO - CA Prioritization, Facility or area was assigned a low
corrective action priority
NAICS Code(s): 562112
Hazardous Waste Collection
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: IND000715474
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 05/01/2009
Action: CA070NO - RFA Determination Of Need For An RFI, RFI Is Not Necessary
NAICS Code(s): 562112
Hazardous Waste Collection
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: IND000715474
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 09/27/1991

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAFETY KLEEN CORPORATION (Continued)

1000224339

Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
NAICS Code(s): 562112
Hazardous Waste Collection
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: IND000715474
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 12/28/1988
Action: CA050 - RFA Completed
NAICS Code(s): 562112
Hazardous Waste Collection
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: IND000715474
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 12/28/1988
Action: CA070NO - RFA Determination Of Need For An RFI, RFI is Not Necessary
NAICS Code(s): 562112
Hazardous Waste Collection
Original schedule date: Not reported
Schedule end date: Not reported

PADS:

EPAID: IND000715474
Facility name: SAFETY-KLEEN CORP 5-082-01
Facility Address: 2217 WESTERN AVENUE, P O BOX 3896
SOUTH BEND, IN 46619

Facility country: US
Generator: Yes
Storer: No
Transporter: No
Disposer: No
Research facility: No
Smelter: No
Facility owner name: SAFETY-KLEEN CORP 5-082-01
Contact title: Not reported
Contact name: PATZSCHKE, ROGER D.
Contact tel: (219)289-4510
Contact extension: Not reported
Mailing address: 2217 WESTERN AVENUE, P O BOX 3896
SOUTH BEND, IN 46619

Mailing country: US
Cert. title: Not reported
Cert. name: Not reported
Cert. date: 1/20/1995
Date received: 2/16/1995

FINDS:

Registry ID: 110000399952

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number
EPA ID Number

SAFETY KLEEN CORPORATION (Continued)

1000224339

Environmental Interest/Information System

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

IN-FRS (Indiana - Facility Registry System). The Indiana Department of Environmental Management (I-DEM) has implemented the Indiana-Facility Registry System (I-FRS). The I-FRS provides the interface and processes to link facility data monitored by multiple State and EPA program systems. In addition, I-FRS enables IDEM to reconcile environmental data and exchange it with EPA FRS using the electronic data exchange over the Network Node.

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

IN MANIFEST:

EPA ID: IND000715474
Year: 2009
Tons Generated: 215.52
Tons Shipped OffSite: 217.24

Manifest Handler:

EPA Id #: IND000715474
Generator Type: LQG
Generator Status: Active
Transporter Type: Commercial
Transporter Status: Active
TSD Type: Interim or Enforcement TSD
TSD Status: Non Active
Handler Mailing Address: 1502 E VILLA
Handler Mailing City: ELGIN
Handler Mailing State: IL
Handler Mailing Zip: 60120
Contact Last Name: SAUVAGEAU
Contact First Name: MATTHEW C
Contact Telephone: 847-468-6701
Contact Type: H

EPA Id #: IND000715474
Generator Type: LQG
Generator Status: Active
Transporter Type: Commercial
Transporter Status: Active
TSD Type: Interim or Enforcement TSD
TSD Status: Non Active
Handler Mailing Address: 1502 E VILLA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number
EPA ID Number

SAFETY KLEEN CORPORATION (Continued)

1000224339

Handler Mailing City: ELGIN
Handler Mailing State: IL
Handler Mailing Zip: 60120
Contact Last Name: SAUVAGEAU
Contact First Name: MATTHEW C
Contact Telephone: 847-468-6701
Contact Type: B

Receiver Records:

Report Year: Not reported
TSD EPA Id: Not reported
Page Number: Not reported
Sub Page: Not reported
Generator EPA ID: Not reported
Waste Description: Not reported
Quantity of Waste: Not reported
Quantity Rec Report Yrly Tons: Not reported
Unit of Measure: Not reported

Shipment Records:

Generator EPA Id: IND000715474
Actual Generator Type: 1
Waste Description Shipped: IGNITABLE SPENT SOLVENT USED IN METAL PARTS CLEANING: MINERAL SPIRITS SLUDGE
Shipped File Page Number: 1
Number Of TSD Facilities: 1
Waste Codes on Page Number: 2
Waste Code: D039
Tons Of Waste Shipped Year: 4.11900
TSD Facility EPA ID: ILD980613913
TSD Name: SAFETY KLEEN ENVIROSYSTEMS CO
Facility Address 2: Not reported

Generator EPA Id: IND000715474
Actual Generator Type: 1
Waste Description Shipped: IGNITABLE SPENT SOLVENT USED IN METAL PARTS CLEANING: MINERAL SPIRITS SLUDGE
Shipped File Page Number: 1
Number Of TSD Facilities: 1
Waste Codes on Page Number: 1
Waste Code: D001
Tons Of Waste Shipped Year: 4.11900
TSD Facility EPA ID: ILD980613913
TSD Name: SAFETY KLEEN ENVIROSYSTEMS CO
Facility Address 2: Not reported

Generator EPA Id: IND000715474
Actual Generator Type: 1
Waste Description Shipped: IGNITABLE SPENT SOLVENT USED IN METAL PARTS CLEANING;MINERAL SPIRITS
Shipped File Page Number: 2
Number Of TSD Facilities: 1
Waste Codes on Page Number: 4
Waste Code: D040
Tons Of Waste Shipped Year: 285.58300
TSD Facility EPA ID: ILD980613913
TSD Name: SAFETY KLEEN ENVIROSYSTEMS CO

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number
EPA ID Number

SAFETY KLEEN CORPORATION (Continued)

1000224330

Facility Address 2: Not reported

Generator EPA Id: IND000715474
Actual Generator Type: 1
Waste Description Shipped: IGNITABLE SPENT SOLVENT USED IN METAL PARTS CLEANING;MINERAL SPIRITS
Shipped File Page Number: 2
Number Of TSD Facilities: 1
Waste Codes on Page Number: 3
Waste Code: D039
Tons Of Waste Shipped Year: 285.58300
TSD Facility EPA ID: ILD980613913
TSD Name: SAFETY KLEEN ENVIROSYSTEMS CO
Facility Address 2: Not reported

Generator EPA Id: IND000715474
Actual Generator Type: 1
Waste Description Shipped: IGNITABLE SPENT SOLVENT USED IN METAL PARTS CLEANING;MINERAL SPIRITS
Shipped File Page Number: 2
Number Of TSD Facilities: 1
Waste Codes on Page Number: 2
Waste Code: D018
Tons Of Waste Shipped Year: 285.58300
TSD Facility EPA ID: ILD980613913
TSD Name: SAFETY KLEEN ENVIROSYSTEMS CO
Facility Address 2: Not reported
IN MANIFEST SHIPPER: Has 8 more record(s) for this section. Please contact your EDR Account Executive for more information

Transporter Records:

Report Year: 2006
Generator EPA ID: IND000715474
Page Number of Report: 3
TSD EPA Id: TXR000050930
Num Of Transporters Used: 1

Report Year: 2006
Generator EPA ID: IND000715474
Page Number of Report: 2
TSD EPA Id: TXR000050930
Num Of Transporters Used: 1

Report Year: 2006
Generator EPA ID: IND000715474
Page Number of Report: 1
TSD EPA Id: TXR000050930
Num Of Transporters Used: 1

Submitted Records:

EPA Id: IND000715474
Report Type: Biennial report
Contact Name: MATTHEW C SAUVAGEAU
Phone: 847-468-6701
Contact Address: 1500 E VILLA ST
Contact Address2: Not reported
Contact City/State/Zip: ELGIN, IL 60120

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAFETY KLEEN CORPORATION (Continued)

1000224339

Waste Report:
EPA Id: IND000715474
Report Type: Biennial report
Page #: 1
Amount Generated: 4400
Generated Unit Of Measure: pounds
Amount Shipped: 4400
Shipped Unit Of Measure: pounds
TSD Id: ILD980613913
TSD Name: SAFETY KLEEN ENVIROSYSTEMS CO
System Type: H061
Source Code: G13
Form Code: W603
Description: SPENT SOLVENT USED IN METAL PARTS CLEANING: MINERAL SPIRITS SLUDGE

EPA Id: IND000715474
Report Type: Biennial report
Page #: 2
Amount Generated: 469618.2
Generated Unit Of Measure: pounds
Amount Shipped: 461201.2
Shipped Unit Of Measure: pounds
TSD Id: ILD980613913
TSD Name: SAFETY KLEEN ENVIROSYSTEMS CO
System Type: H020
Source Code: G09
Form Code: W203
Description: IGNITABLE SPENT SOLVENT USED IN METAL PARTS CLEANING; MINERAL SPIRITS

EPA Id: IND000715474
Report Type: Biennial report
Page #: 3
Amount Generated: 3487.72
Generated Unit Of Measure: pounds
Amount Shipped: 3487.72
Shipped Unit Of Measure: pounds
TSD Id: ILD980613913
TSD Name: SAFETY KLEEN ENVIROSYSTEMS CO
System Type: H061
Source Code: G13
Form Code: W603
Description: SPENT SOLVENT USED IN METAL PARTS CLEANING: MINERAL SPIRITS SLUDGE

EPA Id: IND000715474
Report Type: Biennial report
Page #: 4
Amount Generated: 15015
Generated Unit Of Measure: pounds
Amount Shipped: 15015
Shipped Unit Of Measure: pounds
TSD Id: ILD980613913
TSD Name: SAFETY KLEEN ENVIROSYSTEMS CO
System Type: H061
Source Code: G19
Form Code: W002
Description: HAZARDOUS WASTE LIQUID AND SOLID MIXTURE: CONTAMINATED DEBRIS

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

SAFETY KLEEN CORPORATION (Continued)

1000224339

EPA ID: IND000715474
 Year: Not reported
 Tons Generated: Not reported
 Tons Shipped OffSite: Not reported

EPA ID: IND000715474
 Year: Not reported
 Tons Generated: Not reported
 Tons Shipped OffSite: Not reported

EPA ID: IND000715474
 Year: Not reported
 Tons Generated: Not reported
 Tons Shipped OffSite: Not reported

EPA ID: IND000715474
 Year: Not reported
 Tons Generated: Not reported
 Tons Shipped OffSite: Not reported

[Click this hyperlink](#) while viewing on your computer to access 3 additional IN MANIFEST: record(s) in the EDR Site Report.

40
 SSW
 1/4-1/2
 0.498 mi.
 2628 ft.

WESTERN AVENUE TOWER
 3115 WESTERN AVENUE
 SOUTH BEND, IN 46619

AUL S106914462
 BROWNFIELDS N/A

Relative:
 Lower

AUL:

IC TYPE: Environmental Restrictive Covenant
 Facility Id: 4050030
 Program Area: BF
 Affected Media: Ground Water
 Date Ic Recorded: 07/11/2005
 Description: Not reported
 Control Method A: Ground Water Use Restriction
 Coverage A: Entire Property
 Chemicals Of Concern A: Petroleum (Includes BTEX and MTBE)
 Comments A: Not reported
 Control Method B: Residential Use Restriction
 Coverage B: Entire Property
 Chemicals Of Concern B: Petroleum (Includes BTEX and MTBE)
 Comments B: Not reported
 Control Method C: Not reported
 Coverage C: Not reported
 Chemicals Of Concern C: Not reported
 Comments C: Not reported
 Control Method D: Not reported
 Coverage D: Not reported
 Chemicals Of Concern D: Not reported
 Comments D: Not reported
 Control Method E: Not reported
 Coverage E: Not reported
 Chemicals Of Concern E: Not reported
 Comments E: Not reported
 Control Method F: Not reported
 Coverage F: Not reported

Actual:
 713 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number
EPA ID Number

WESTERN AVENUE TOWER (Continued)

S106914462

Chemicals Of Concern F: Not reported
Comments F: Not reported
Control Method G: Not reported
Coverage G: Not reported
Chemicals Of Concern G: Not reported
Comments G: Not reported
Control Method H: Not reported
Coverage H: Not reported
Chemicals Of Concern H: Not reported
Comments H: Not reported
Control Method I: Not reported
Coverage I: Not reported
Chemicals Of Concern I: Not reported
Comments I: Not reported

IN BROWNFIELD:

Facility ID: 4050030
Project Manager: Nancy Dollar
AI Id: 35159

41
SSE
1/2-1
0.979 ml.
5167 ft.

WHITEFORD SALES & SERVICE INC./NATIONALEASE
2020 WEST SAMPLE STREET
SOUTH BEND, IN 46619

Delisted NPL 1000399687
CERCLIS IND980999791
US ENG CONTROLS
ROD
FINDS

Relative:
Higher

Delisted NPL:
EPA ID: IND980999791
Site ID: 0501978
EPA Region: 05
Federal: No
Deleted Date: 1996-09-06 00:00:00

Actual:
717 ft.

Category Details:

NPL Status: Deleted from the Final NPL
Category Description: Depth To Aquifer-<= 10 Feet
Category Value: 3

NPL Status: Deleted from the Final NPL
Category Description: Distance To Nearest Population-> 0 And <= 1/4 Mile
Category Value: 10

Site Details:

Site Name: WHITEFORD SALES & SERVICE INC./NATIONALEASE
Site Status: Defeted
Site Zip: 46619
Site City: SOUTH BEND
Site State: IN
Federal Site: No
Site County: ST. JOSEPH
EPA Region: 05
Date Proposed: 06/24/88
Date Deleted: 9/6/1996
Date Finalized: 08/30/90

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WHITEFORD SALES & SERVICE INC./NATIONALEASE (Continued)

1000399887

Substance Details:

NPL Status: Deleted from the Final NPL
Substance ID: Not reported
Substance: Not reported
CAS #: Not reported
Pathway: Not reported
Scoring: Not reported

NPL Status: Deleted from the Final NPL
Substance ID: C049
Substance: ETHYLBENZENE
CAS #: 100-41-4
Pathway: NO PATHWAY INDICATED
Scoring: 1

NPL Status: Deleted from the Final NPL
Substance ID: D004
Substance: ARSENIC
CAS #: 7440-38-2
Pathway: GROUND WATER PATHWAY
Scoring: 3

NPL Status: Deleted from the Final NPL
Substance ID: D008
Substance: LEAD (PB)
CAS #: 7439-92-1
Pathway: GROUND WATER PATHWAY
Scoring: 3

NPL Status: Deleted from the Final NPL
Substance ID: U072
Substance: DICHLOROBENZENE, 1,4-
CAS #: 106-46-7
Pathway: NO PATHWAY INDICATED
Scoring: 1

NPL Status: Deleted from the Final NPL
Substance ID: U220
Substance: TOLUENE
CAS #: 108-88-3
Pathway: NO PATHWAY INDICATED
Scoring: 1

Summary Details:

Conditions at proposal June 24, 1988): The Whiteford Sales and Service Inc./NationalLease Site covers approximately 7 acres on Sample Street in South Bend, St. Joseph County, Indiana. The site operated as Whiteford Sales and Service during 1960-83 and as NationalLease during 1983-87. Both companies leased trucks and semitrailers. Currently, the operation is known as Whiteford- Kenworth, Inc. Approximately 396,000 gallons of degreasing solvents and sludge resulting from cleaning of the trucks and semitrailers were deposited into three unlined dry wells, each 4 feet in diameter and 6 feet deep. Tests conducted by St. Joseph County in May 1985 found that on-site soil is contaminated with inorganic and organic compounds, including lead, arsenic, ethylben ene, and toluene. Soil on the site is permeable, facilitating the movement of contaminants into ground water.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WHITEFORD SALES & SERVICE INC./NATIONALEASE (Continued)

1000399687

Approximately 237,000 people draw drinking water from public wells within 3 miles of this site. The nearest well is about 900 feet from the site. Status August 30, 1990): On June 19, 1987, Whiteford and the Indiana Department of Environmental Management signed a Consent Decree requiring Whiteford to remove 4 feet of soil in all directions from around the dry wells. Whiteford has not met this requirement. In June 1990, EPA is to start a remedial investigation/feasibility study to determine the type and extent of contamination at the site and identify alternatives for remedial action.

Site Status Details:

NPL Status: Deleted
Proposed Date: 06/24/1988
Final Date: 08/30/1990
Deleted Date: 09/06/1996

Narratives Details:

NPL Name: WHITEFORD SALES & SERVICE INC./NATIONALEASE
City: SOUTH BEND
State: IN

CERCLIS:

Site ID: 0501978
EPA ID: IND980999791
Facility County: ST. JOSEPH
Short Name: WHITEFORD SALES & SERVICE
Congressional District: 2
IFMS ID: 056R
SMSA Number: 7800
USGC Hydro Unit: 04050001
Federal Facility: Not a Federal Facility
DMNSN Number: 8.00000
Site Orphan Flag: N
RCRA ID: Not reported
USGS Quadrangle: Not reported
Site Init By Prog: Not reported
NFRAP Flag: Not reported
Parent ID: Not reported
RST Code: Not reported
EPA Region: 05
Classification: Not reported
Site Settings Code: UR
NPL Status: Deleted from the Final NPL
DMNSN Unit Code: ACRE
RBRAC Code: Not reported
RResp Fed Agency Code: Not reported
Non NPL Status: Not reported
Non NPL Status Date: Not reported
Site Fips Code: 18141
CC Concurrence Date: 19950929
CC Concurrence FY: 1995
Alias EPA ID: Not reported
Site FUDS Flag: Not reported

CERCLIS Site Contact Name(s):

Contact ID: 5000254.00000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Database(s)
EPA ID Number

EPA ID Number
EPA ID Number

WHITEFORD SALES & SERVICE INC./NATIONALEASE (Continued)

1000399687

Contact Name: MARY TIERNEY
Contact Tel: (312) 886-4785
Contact Title: Remedial Project Manager (RPM)
Contact Email: tierney.mary@epa.gov

CERCLIS Site Alias Name(s):

Alias ID: 401
Alias Name: WHITEFORD SALES & SERV NAT LEASE
Alias Address: Not reported
ST JOSEPH, IN

Alias ID: 402
Alias Name: WHITEFORD SALES & SERV NAT LEASE
Alias Address: Not reported
Not reported

Alias ID: 403
Alias Name: WHITEFORD SALES & SERVICE/NATIONALEASE
Alias Address: 2020 WEST SAMPLE STREET
SOUTH BEND, IN 46619

Alias ID: 404
Alias Name: WHITEFORD SALES & SERVICE INC./NATIONALEASE
Alias Address: 2020 WEST SAMPLE STREET
SOUTH BEND, IN 46619

Alias Comments: Not reported

Site Description: St. Joseph County purchased the property previously owned by Whiteford Sales and Service, Inc., on February 19, 1980. WSS continued operating its truck washing facility at the site from 1980 until St. Joseph County began construction of the Olive Street overpass in mid-1983. During the time that WSS operated at the site, waste water from the truck washing operations was disposed of via facility floor drains that discharged to three dry wells located 20 to 70 feet south of the main building. Each well was constructed of perforated concrete and was approximately 4 feet wide and 6 feet deep. No engineered liners or other materials limiting downward percolation of liquids, or collection systems, were present, and no records of the quantity of waste water generated were maintained. For Hazard Ranking System (HRS) scoring purposes, the volume of waste water generated was estimated to be 396,000 gallons. Types of wastes believed to have been discharged to the dry well include solvents, degreasers, waste oil, and detergents. Other waste fluids from the vehicles serviced at the facility may also have entered the wells. Volatile organic compounds (VOCs) were detected in the Olive Street well field as early as 1980. In June 1980 the well field was shut down by the City due to the contaminant levels in the wells. Later that year, a report of an investigation conducted by an environmental consulting firm retained by Ashland Chemical Company (Ashland) indicated that Ashland, located 2,000 feet southeast of the WSS site, was the probable source of the groundwater contamination. In 1981 Ashland initiated a study to further define the source of the contaminant plume and also excavated and disposed of approximately 10,000 cubic yards of contaminated soil from Ashland property. One of the Ashland extraction wells was installed adjacent to the southern boundary of the WSS site due to a "pocket of contamination" detected in the area. It was not until late in 1983, when the dry wells on the WSS site were uncovered, that it was recognized that this pocket of contamination may have been originating from the WSS site instead of from Ashland, and that contaminants from the WSS operations may have contributed to the contamination in the Olive Street well field. In addition to the release at Ashland, numerous spills and releases from other facilities in the generally commercial and light industrial area of the site have been reported. File searches completed at IDEM revealed a number of substances, including muriatic acid, waste motor oils, diesel fuel,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number
Database(s)

WHITEFORD SALES & SERVICE INC./NATIONALEASE (Continued)

1000399687

gasoline, and No. 6 fuel, for which releases have been reported within a 1,500-foot radius of the WSS site. Ashland is currently finalizing a Work Plan for completing a RCRA Facility Investigation (RFI) at its facility. Based on the results of the RFI, corrective action may be required. Contaminant levels in the Olive Street municipal wells and the Ashland extraction wells continued to be monitored throughout the 1980s. By the late 1980s, data reports showed that levels of contaminants in the wells were decreasing. Two of the six wells in the Olive Street well field were reinstated in the summer of 1987 for use during high demand periods only. Currently, one well is used during periods of high demand. In 1983, in the process of realigning the Olive Street interchange and constructing the new overpass, St. Joseph County used approximately 200,000 cubic yards of soil from the Whiteford Sales and Service, Inc. (WSS) site as fill material. St. Joseph County uncovered the three dry wells during excavation activities, and subsequently retained an environmental consulting firm to test samples of the sludge and soil from the wells. Results from the analysis of the dry well sludge showed that the sludge was a Resource Conservation and Recovery Act (RCRA) characteristic waste due to its low flash point. Eight EPA priority pollutants were identified in the sample. A Consent Decree finalized in June 1987 and signed by Whiteford-Kenworth, Inc., St. Joseph County, and Indiana Department of Environmental Management (IDEM) authorized the cleanup and removal of the dry well material. Removal of the sludge in the dry wells, and sludge and soil extending 4 feet beyond the dry well sides and bottoms, was completed in July 1988. Approximately 210 cubic yards of contaminated soil and sludge were disposed of at the County Line Sanitary Landfill in Fulton County, Indiana. In 1988, EPA proposed the WSS site for inclusion on the National Priorities List (NPL). In 1989, EPA offered Whiteford Nationalease, Inc., Whiteford Kenworth, Inc., St. Joseph County, Ronald Whiteford and Florence Whiteford the opportunity to conduct the remedial investigation and feasibility study (RI/FS) at the WSS site. In August, EPA provided the parties identified above with copies of a draft Administrative Order by Consent to conduct the RI/FS at the WSS site. In September, all parties advised EPA that they were declining the opportunity to conduct the RI/FS. In March 1990, EPA asked St. Joseph County to execute an access agreement to allow EPA to conduct the RI/FS. The WSS site was added to the NPL in August 1990. St. Joseph County signed an access agreement in May, and EPA conducted the RI from September through December 1990. The 11-acre Whiteford Sales and Service, Inc. (WSS) site consists of a former truck washing facility located in St. Joseph County, Indiana. Currently the site serves as a retention basin for stormwater and surface water run-off from the Olive Street overpass and surrounding areas. The WSS site includes approximately 8.6 acres that comprised the original facility property, purchased by St. Joseph County in 1980, along with an additional 2.4 acres previously owned by the County. The closest surface water body to the site is the St. Joseph River, which eventually drains into Lake Michigan, and is located approximately 2 miles northeast of the site. The St. Joseph River is used for fishing and recreational activities. Land in the vicinity of the site is primarily commercial and light industrial. Residential areas are located approximately 2,000 feet south of the site, and also north of the site beyond the Olive Street overpass. One of the ten City of South Bend municipal well fields, the Olive Street well field, is located 800 feet west of the site. The municipal system, which supplies over 100,000 residents with drinking water, is referred to as a blended water system due to the fact that water mains from the ten well fields are interconnected and residents may be supplied with water from one or any combination of the ten well fields. The WSS site was altered significantly during the 1983 overpass construction project, when it was converted to its current use as a stormwater retention basin. As a result, the topographic relief of the site is significantly

Map ID
Direction
Distance
Elevation

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Database(s) EDR ID Number
EPA ID Number

WHITEFORD SALES & SERVICE INC./NATIONALEASE (Continued)

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greater than that of the surrounding area. Although material underlying the site generally consists of sand and gravel units, a clay layer exists at approximately 665 feet MSL (mean sea level). Areas with clay seams and areas of clayey silt would be expected to exhibit reduced permeability. Because of the apparent areal extent of this clay unit, it may be classified as a potential aquitard. Although this clay layer could potentially act as an aquitard between two portions of the shallow aquifer, based on monitoring well sample results and the lack of complete information on the clay layer, it must be assumed that the two portions are hydraulically connected. The Ellsworth Shale Formation is the bedrock layer underlying the unconsolidated sand and gravel unit. It is assumed that any groundwater present in bedrock would have a northwesterly regional flow direction towards Lake Michigan.

CERCLIS Assessment History:

Action Code: 001
Action: DISCOVERY
Date Started: Not reported
Date Completed: 10/01/1984
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: PRELIMINARY ASSESSMENT
Date Started: Not reported
Date Completed: 02/01/1985
Priority Level: Higher priority for further assessment
Operable Unit: SITEWIDE
Primary Responsibility: State, Fund Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: SITE INSPECTION
Date Started: Not reported
Date Completed: 09/06/1985
Priority Level: Higher priority for further assessment
Operable Unit: SITEWIDE
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: HAZARD RANKING SYSTEM PACKAGE

Map ID
Direction
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Elevation

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Site

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WHITEFORD SALES & SERVICE INC./NATIONALEASE (Continued)

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Date Started: Not reported
Date Completed: 09/24/1986
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 003
Action: ISSUE REQUEST LETTERS (104E)
Date Started: Not reported
Date Completed: 04/17/1987
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: NATIONAL PRIORITIES LIST RESPONSIBLE PARTY SEARCH
Date Started: Not reported
Date Completed: 06/15/1987
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Alternate
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: ISSUE REQUEST LETTERS (104E)
Date Started: Not reported
Date Completed: 07/06/1987
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002
Action: ISSUE REQUEST LETTERS (104E)
Date Started: Not reported
Date Completed: 08/21/1987
Priority Level: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

WHITEFORD SALES & SERVICE INC./NATIONALEASE (Continued)

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Operable Unit: SITEWIDE
Primary Responsibility: Not reported
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: PROPOSAL TO NATIONAL PRIORITIES LIST
Date Started: Not reported
Date Completed: 06/24/1988
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: Special Notice Issued
Date Started: Not reported
Date Completed: 05/16/1989
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: REMEDIAL INVESTIGATION/FEASIBILITY STUDY NEGOTIATIONS
Date Started: 05/17/1989
Date Completed: 09/29/1989
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Alternate
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: REMOVAL ASSESSMENT
Date Started: 10/10/1989
Date Completed: 10/13/1989
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WHITEFORD SALES & SERVICE INC./NATIONALEASE (Continued)

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Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: STATE SUPPORT AGENCY COOPERATIVE AGREEMENT
Date Started: 03/31/1990
Date Completed: 03/31/1990
Priority Level: Not reported
Operable Unit: SITE REMEDIATION
Primary Responsibility: State, Fund Financed
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002
Action: REMOVAL ASSESSMENT
Date Started: 04/30/1990
Date Completed: 06/19/1990
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: EPA Fund-Financed
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: COMMUNITY INVOLVEMENT
Date Started: 09/15/1989
Date Completed: 07/26/1990
Priority Level: Not reported
Operable Unit: SITE REMEDIATION
Primary Responsibility: EPA Fund-Financed
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: FINAL LISTING ON NATIONAL PRIORITIES LIST
Date Started: Not reported
Date Completed: 08/30/1990
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number
EPA ID Number

WHITEFORD SALES & SERVICE INC./NATIONALEASE (Continued)

1000399687

Action Code: 003
Action: REMOVAL ASSESSMENT
Date Started: 04/30/1992
Date Completed: 07/31/1992
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: EPA Fund-Financed
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: RISK/HEALTH ASSESSMENT
Date Started: Not reported
Date Completed: 07/18/1995
Priority Level: Not reported
Operable Unit: SITE REMEDIATION
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: ECOLOGICAL RISK ASSESSMENT
Date Started: Not reported
Date Completed: 07/19/1995
Priority Level: Not reported
Operable Unit: SITE REMEDIATION
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: CLOSE OUT REPORT
Date Started: Not reported
Date Completed: 09/29/1995
Priority Level: Not reported
Operable Unit: SITE REMEDIATION
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: RECORD OF DECISION
Date Started: Not reported

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WHITEFORD SALES & SERVICE INC./NATIONALEASE (Continued)

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Date Completed: 09/29/1995
Priority Level: Final Remedy Selected at Site
Operable Unit: SITE REMEDIATION
Primary Responsibility: EPA Fund-Financed
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: COMBINED REMEDIAL INVESTIGATION/FEASIBILITY STUDY
Date Started: 09/29/1989
Date Completed: 09/29/1995
Priority Level: Low priority for further assessment
Operable Unit: SITE REMEDIATION
Primary Responsibility: EPA Fund-Financed
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: DELETION FROM NATIONAL PRIORITIES LIST
Date Started: 05/03/1986
Date Completed: 09/06/1986
Priority Level: Not reported
Operable Unit: SITE REMEDIATION
Primary Responsibility: EPA Fund-Financed
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: Notice Letters Issued
Date Started: Not reported
Date Completed: 07/09/1998
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: OPERATIONS AND MAINTENANCE
Date Started: 07/26/1999
Date Completed: 10/19/1999
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Responsible Party

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WHITEFORD SALES & SERVICE INC./NATIONALEASE (Continued)

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Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: Lodged By DOJ
Date Started: Not reported
Date Completed: 10/02/2000
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: CONSENT DECREE
Date Started: Not reported
Date Completed: 11/27/2000
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Federal Register Details:

Fed Register Date: 09/06/1996
Fed Register Volume: 61
Page Number: 47060

Fed Register Date: 08/30/1990
Fed Register Volume: 55
Page Number: 35502

Fed Register Date: 06/24/1988
Fed Register Volume: 53
Page Number: 23988

[Click this hyperlink](#) while viewing on your computer to access
26 additional US CERCLIS Financial: record(s) in the EDR Site Report.

US ENG CONTROLS:

EPA ID: IND980999791
Site ID: 0501978
Name: WHITEFORD SALES & SERVICE INC./NATIONALEASE
Address: 2020 WEST SAMPLE STREET
SOUTH BEND, IN 46619
EPA Region: 05
County: ST. JOSEPH

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Site

Database(s)

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EPA ID Number

WHITEFORD SALES & SERVICE INC./NATIONALEASE (Continued)

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Event Code: Not reported
Actual Date: Not reported

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 9/29/1995
Planned Complet. date: 9/30/1995
Operable Unit: 01
Contaminated Media : Groundwater
Engineering Control: No Further Action

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 9/29/1995
Planned Complet. date: 9/30/1995
Operable Unit: 01
Contaminated Media : Soil
Engineering Control: No Further Action

ROD:

Full-text of USEPA Record of Decision(s) is available from EDR.

FINDS:

Registry ID: 110009284808

Environmental Interest/Information System

IN-FRS (Indiana - Facility Registry System). The Indiana Department of Environmental Management (I-DEM) has implemented the Indiana-Facility Registry System (I-FRS). The I-FRS provides the interface and processes to link facility data monitored by multiple State and EPA program systems. In addition, I-FRS enables IDEM to reconcile environmental data and exchange it with EPA FRS using the electronic data exchange over the Network Node.

CERCLIS (Comprehensive Environmental Response, Compensation, and Liability Information System) is the Superfund database that is used to support management in all phases of the Superfund program. The system contains information on all aspects of hazardous waste sites, including an inventory of sites, planned and actual site activities, and financial information.

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and its Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include;

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Site

Database(s)

EDR ID Number
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WHITEFORD SALES & SERVICE INC./NATIONALEASE (Continued)

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Incident Tracking, Compliance Assistance, and Compliance Monitoring.

Count: 18 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
SOUTH BEND	S105299361	CHIPPEWA AVENUE WELL FIELD	S BEND WELL FLDS	46628	SHWS
SOUTH BEND	1003870868	FORMER CITY/COUNTY LDFL	BENDIX DR N OF LINCOLNWAY WEST	46628	CERC-NFRAP
SOUTH BEND	1003870874	SPEEKS SITE	BENDIX DRIVE AND DOUGLAS ROAD	46628	CERC-NFRAP
SOUTH BEND	1003870873	DOUGLAS ROAD SITE	DOUGLAS RD AND BENDIX DR	46628	CERC-NFRAP
SOUTH BEND	1003870866	WESTERN AVENUE SITE	ELMER HURON HOLLYWOOD & FORD S	46619	CERC-NFRAP
SOUTH BEND	S105679310		14009 E JEFFERSON		SPILLS, SCP
SOUTH BEND	S110169854	RAILROAD PROPERTY	KENDALL ST & FRANKLIN ST	46601	BROWNFIELDS
SOUTH BEND	1003870867	AREA WEST OF BENDIX OIL TANK	LINDEN AVE	46619	CERC-NFRAP
SOUTH BEND	1003872640	CLEVELAND ROAD SITE	2 MILE WEST BENDIX R, ON CLEVE	46628	CERC-NFRAP
SOUTH BEND	1003870880	SOUTH BEND OLIVE ST WELL FIELD	NEAR OLIVE ST & SAMPLE ST	46619	CERC-NFRAP
SOUTH BEND	U001076612	COUNTRY CUPBOARD #7	26395 STATE ROAD 2	46619	LUST
SOUTH BEND	S109845172	MACALLISTER MACHINERY CO.	25734 STATE ROAD 2	46619	SCP
SOUTH BEND	S109949316	AMERIGAS	25701 STATE ROAD 2	46619	SWRCY
SOUTH BEND	U004124133	UPS FREIGHT	24955 USHY 20 W	46628	UST
SOUTH BEND	U004001976	JAKE'S SUNOCO	26598 USHY 20	46628	UST
SOUTH BEND	U004003004	T & M AUTO LEASING INC	22946 USHY 20 W	46628	UST
SOUTH BEND	S106351103	T & M AUTO LEASING INC	22946 USHY 20 W	46628	LUST
SOUTH BEND	S109237262	UPS FREIGHT	24955 USHY 20 W	46628	LUST

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.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

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: 06/30/2011	Source: EPA
Date Data Arrived at EDR: 07/12/2011	Telephone: N/A
Date Made Active in Reports: 09/29/2011	Last EDR Contact: 07/12/2011
Number of Days to Update: 79	Next Scheduled EDR Contact: 10/24/2011
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-888-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 06/30/2011	Source: EPA
Date Data Arrived at EDR: 07/12/2011	Telephone: N/A
Date Made Active in Reports: 09/29/2011	Last EDR Contact: 07/12/2011
Number of Days to Update: 79	Next Scheduled EDR Contact: 10/24/2011
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by 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 received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 08/15/2011
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

DELISTED NPL: National Priority List Deletions

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: 06/30/2011	Source: EPA
Date Data Arrived at EDR: 07/12/2011	Telephone: N/A
Date Made Active in Reports: 09/29/2011	Last EDR Contact: 07/12/2011
Number of Days to Update: 79	Next Scheduled EDR Contact: 10/24/2011
	Data Release Frequency: Quarterly

Federal CERCLIS list

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

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: 02/25/2011	Source: EPA
Date Data Arrived at EDR: 03/01/2011	Telephone: 703-412-9810
Date Made Active in Reports: 05/02/2011	Last EDR Contact: 09/01/2011
Number of Days to Update: 62	Next Scheduled EDR Contact: 12/12/2011
	Data Release Frequency: Quarterly

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA's Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 12/10/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/11/2011	Telephone: 703-603-8704
Date Made Active in Reports: 02/16/2011	Last EDR Contact: 07/15/2011
Number of Days to Update: 36	Next Scheduled EDR Contact: 10/24/2011
	Data Release Frequency: Varies

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 02/25/2011	Source: EPA
Date Data Arrived at EDR: 03/01/2011	Telephone: 703-412-9810
Date Made Active in Reports: 05/02/2011	Last EDR Contact: 09/01/2011
Number of Days to Update: 62	Next Scheduled EDR Contact: 12/12/2011
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/09/2011
Date Data Arrived at EDR: 03/15/2011
Date Made Active in Reports: 06/14/2011
Number of Days to Update: 91

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database 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). Transporters are individuals or entities that move hazardous waste from the generator offsite 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: 06/15/2011
Date Data Arrived at EDR: 07/07/2011
Date Made Active in Reports: 08/08/2011
Number of Days to Update: 32

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 10/05/2011
Next Scheduled EDR Contact: 01/16/2012
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database 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). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/15/2011
Date Data Arrived at EDR: 07/07/2011
Date Made Active in Reports: 08/08/2011
Number of Days to Update: 32

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 10/05/2011
Next Scheduled EDR Contact: 01/16/2012
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database 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). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 06/15/2011
Date Data Arrived at EDR: 07/07/2011
Date Made Active in Reports: 08/08/2011
Number of Days to Update: 32

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 10/05/2011
Next Scheduled EDR Contact: 01/16/2012
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database 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.

Date of Government Version: 06/15/2011
Date Data Arrived at EDR: 07/07/2011
Date Made Active in Reports: 08/08/2011
Number of Days to Update: 32

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 10/05/2011
Next Scheduled EDR Contact: 01/16/2012
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal institutional controls / engineering controls registries

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 03/16/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/25/2011	Telephone: 703-603-0695
Date Made Active in Reports: 06/14/2011	Last EDR Contact: 09/12/2011
Number of Days to Update: 81	Next Scheduled EDR Contact: 12/26/2011
	Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 03/16/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/25/2011	Telephone: 703-603-0695
Date Made Active in Reports: 06/14/2011	Last EDR Contact: 09/12/2011
Number of Days to Update: 81	Next Scheduled EDR Contact: 12/26/2011
	Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

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

Date of Government Version: 07/05/2011	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 07/05/2011	Telephone: 202-267-2180
Date Made Active in Reports: 09/29/2011	Last EDR Contact: 10/04/2011
Number of Days to Update: 86	Next Scheduled EDR Contact: 01/16/2012
	Data Release Frequency: Annually

State- and tribal - equivalent CERCLIS

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

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: 03/01/2007	Source: Department of Environmental Management
Date Data Arrived at EDR: 08/27/2007	Telephone: 317-308-3052
Date Made Active in Reports: 09/18/2007	Last EDR Contact: 09/06/2011
Number of Days to Update: 22	Next Scheduled EDR Contact: 12/19/2011
	Data Release Frequency: Annually

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: Permitted Solid Waste Facilities

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/02/2011
Date Data Arrived at EDR: 06/22/2011
Date Made Active in Reports: 07/14/2011
Number of Days to Update: 22

Source: Department of Environmental Management
Telephone: 317-232-0066
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Semi-Annually

State and tribal leaking storage tank lists

LUST: LUST Leaking Underground Storage Tank List

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: 03/01/2011
Date Data Arrived at EDR: 03/08/2011
Date Made Active in Reports: 04/01/2011
Number of Days to Update: 24

Source: Department of Environmental Management
Telephone: 317-232-8900
Last EDR Contact: 09/08/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: Annually

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 08/11/2011
Date Data Arrived at EDR: 08/12/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 32

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: Semi-Annually

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 01/31/2011
Date Data Arrived at EDR: 02/01/2011
Date Made Active in Reports: 03/21/2011
Number of Days to Update: 48

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: Quarterly

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 08/04/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 39

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: Quarterly

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 05/05/2011
Date Data Arrived at EDR: 08/02/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 42

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 08/02/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 05/10/2011
Date Data Arrived at EDR: 05/11/2011
Date Made Active in Reports: 06/14/2011
Number of Days to Update: 34

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 02/16/2011	Source: EPA Region 7
Date Data Arrived at EDR: 06/02/2011	Telephone: 913-551-7003
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 08/02/2011
Number of Days to Update: 103	Next Scheduled EDR Contact: 11/14/2011
	Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 08/18/2011	Source: EPA Region 8
Date Data Arrived at EDR: 08/19/2011	Telephone: 303-312-6271
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 08/01/2011
Number of Days to Update: 25	Next Scheduled EDR Contact: 11/14/2011
	Data Release Frequency: Quarterly

State and tribal registered storage tank lists

UST: Indiana Registered Underground Storage Tanks
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: 03/16/2011	Source: Department of Environmental Management
Date Data Arrived at EDR: 06/08/2011	Telephone: 317-308-3008
Date Made Active in Reports: 07/13/2011	Last EDR Contact: 09/09/2011
Number of Days to Update: 35	Next Scheduled EDR Contact: 12/19/2011
	Data Release Frequency: Quarterly

INDIAN UST R7: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 04/01/2011	Source: EPA Region 7
Date Data Arrived at EDR: 06/01/2011	Telephone: 913-551-7003
Date Made Active in Reports: 06/14/2011	Last EDR Contact: 08/02/2011
Number of Days to Update: 13	Next Scheduled EDR Contact: 11/14/2011
	Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 08/18/2011	Source: EPA Region 8
Date Data Arrived at EDR: 08/19/2011	Telephone: 303-312-6137
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 08/01/2011
Number of Days to Update: 25	Next Scheduled EDR Contact: 11/14/2011
	Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 08/04/2011	Source: EPA Region 9
Date Data Arrived at EDR: 08/05/2011	Telephone: 415-972-3368
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 08/01/2011
Number of Days to Update: 39	Next Scheduled EDR Contact: 11/14/2011
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 05/05/2011	Source: EPA, Region 1
Date Data Arrived at EDR: 08/08/2011	Telephone: 617-918-1313
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 08/02/2011
Number of Days to Update: 36	Next Scheduled EDR Contact: 11/14/2011
	Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 08/11/2011	Source: EPA Region 4
Date Data Arrived at EDR: 08/12/2011	Telephone: 404-562-9424
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 08/01/2011
Number of Days to Update: 32	Next Scheduled EDR Contact: 11/14/2011
	Data Release Frequency: Semi-Annually

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 08/04/2011	Source: EPA Region 10
Date Data Arrived at EDR: 08/05/2011	Telephone: 206-553-2857
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 08/01/2011
Number of Days to Update: 39	Next Scheduled EDR Contact: 11/14/2011
	Data Release Frequency: Quarterly

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 05/10/2011	Source: EPA Region 6
Date Data Arrived at EDR: 05/11/2011	Telephone: 214-665-7591
Date Made Active in Reports: 06/14/2011	Last EDR Contact: 08/01/2011
Number of Days to Update: 34	Next Scheduled EDR Contact: 11/14/2011
	Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 07/01/2011	Source: EPA Region 5
Date Data Arrived at EDR: 08/26/2011	Telephone: 312-886-6136
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 08/01/2011
Number of Days to Update: 18	Next Scheduled EDR Contact: 11/14/2011
	Data Release Frequency: Varies

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010	Source: FEMA
Date Data Arrived at EDR: 02/16/2010	Telephone: 202-646-5797
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 07/18/2011
Number of Days to Update: 55	Next Scheduled EDR Contact: 10/31/2011
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

State and tribal institutional control / engineering control registries

AUL: Sites with Restrictions

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: 06/09/2011	Source: Department of Environmental Management
Date Data Arrived at EDR: 08/05/2011	Telephone: 317-232-8603
Date Made Active in Reports: 08/10/2011	Last EDR Contact: 09/19/2011
Number of Days to Update: 5	Next Scheduled EDR Contact: 12/19/2011
	Data Release Frequency: Varies

State and tribal voluntary cleanup sites

VCP: Voluntary Remediation Program Site List

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

Date of Government Version: 02/20/2011	Source: Department of Environmental Management
Date Data Arrived at EDR: 04/19/2011	Telephone: 317-234-0966
Date Made Active in Reports: 04/29/2011	Last EDR Contact: 07/22/2011
Number of Days to Update: 10	Next Scheduled EDR Contact: 10/31/2011
	Data Release Frequency: Semi-Annually

INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 04/20/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/20/2009
	Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 05/05/2011	Source: EPA, Region 1
Date Data Arrived at EDR: 07/05/2011	Telephone: 617-918-1102
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 10/04/2011
Number of Days to Update: 70	Next Scheduled EDR Contact: 01/16/2012
	Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Brownfields Site List

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.

Date of Government Version: 06/09/2011	Source: Department of Environmental Management
Date Data Arrived at EDR: 06/09/2011	Telephone: 317-233-2570
Date Made Active in Reports: 07/14/2011	Last EDR Contact: 09/06/2011
Number of Days to Update: 35	Next Scheduled EDR Contact: 12/19/2011
	Data Release Frequency: Semi-Annually

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield Lists

US BROWNFIELDS: A Listing of Brownfields Sites

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 Brownfields Cleanup Revolving Loan Fund (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: 06/27/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/27/2011	Telephone: 202-566-2777
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 09/28/2011
Number of Days to Update: 78	Next Scheduled EDR Contact: 01/09/2012
	Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/09/2004	Telephone: 800-424-9346
Date Made Active in Reports: 09/17/2004	Last EDR Contact: 06/09/2004
Number of Days to Update: 39	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009	Source: EPA, Region 9
Date Data Arrived at EDR: 05/07/2009	Telephone: 415-947-4219
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 09/28/2011
Number of Days to Update: 137	Next Scheduled EDR Contact: 01/09/2012
	Data Release Frequency: No Update Planned

SWRCY: Recycling Facilities

A listing of recycling facilities located in the state of Indiana.

Date of Government Version: 10/26/2009	Source: Department of Environmental Management
Date Data Arrived at EDR: 11/02/2009	Telephone: 317-234-4050
Date Made Active in Reports: 11/11/2009	Last EDR Contact: 07/25/2011
Number of Days to Update: 9	Next Scheduled EDR Contact: 11/07/2011
	Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/03/2007	Telephone: 703-308-8245
Date Made Active in Reports: 01/24/2008	Last EDR Contact: 08/08/2011
Number of Days to Update: 52	Next Scheduled EDR Contact: 11/21/2011
	Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 06/08/2011	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 09/16/2011	Telephone: 202-307-1000
Date Made Active in Reports: 09/29/2011	Last EDR Contact: 09/07/2011
Number of Days to Update: 13	Next Scheduled EDR Contact: 12/19/2011
	Data Release Frequency: Quarterly

DEL SHWS: Deleted Commissioner's Bulletin Sites List

A listing of sites deleted/removed from the Commissioner's Bulletin List

Date of Government Version: 04/03/2008	Source: Department of Environmental Management
Date Data Arrived at EDR: 04/04/2008	Telephone: 317-234-0347
Date Made Active in Reports: 04/14/2008	Last EDR Contact: 09/06/2011
Number of Days to Update: 10	Next Scheduled EDR Contact: 12/19/2011
	Data Release Frequency: Varies

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/01/2007	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 11/19/2008	Telephone: 202-307-1000
Date Made Active in Reports: 03/30/2009	Last EDR Contact: 03/23/2009
Number of Days to Update: 131	Next Scheduled EDR Contact: 06/22/2009
	Data Release Frequency: No Update Planned

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 09/09/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/16/2011	Telephone: 202-564-6023
Date Made Active in Reports: 09/29/2011	Last EDR Contact: 08/12/2011
Number of Days to Update: 13	Next Scheduled EDR Contact: 11/14/2011
	Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005	Source: Department of the Navy
Date Data Arrived at EDR: 12/11/2006	Telephone: 843-820-7326
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 07/11/2011
Number of Days to Update: 31	Next Scheduled EDR Contact: 09/05/2011
	Data Release Frequency: Varies

Records of Emergency Release Reports

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HMIRS: Hazardous Materials Information Reporting System

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

Date of Government Version: 07/05/2011	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 07/05/2011	Telephone: 202-366-4555
Date Made Active in Reports: 09/30/2011	Last EDR Contact: 10/04/2011
Number of Days to Update: 87	Next Scheduled EDR Contact: 01/16/2012
	Data Release Frequency: Annually

SPILLS: Spills Incidents

Oil, hazardous, or objectionable materials that may be released to soil and water.

Date of Government Version: 12/29/2010	Source: Department of Environmental Management
Date Data Arrived at EDR: 03/08/2011	Telephone: 317-308-3038
Date Made Active in Reports: 04/01/2011	Last EDR Contact: 09/09/2011
Number of Days to Update: 24	Next Scheduled EDR Contact: 12/19/2011
	Data Release Frequency: Semi-Annually

Other Ascertainable Records

RCRA-NonGen: RCRA - Non Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database 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). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 06/15/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/07/2011	Telephone: 312-886-6186
Date Made Active in Reports: 08/08/2011	Last EDR Contact: 10/05/2011
Number of Days to Update: 32	Next Scheduled EDR Contact: 01/16/2012
	Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/12/2011	Source: Department of Transportation, Office of Pipeline Safety
Date Data Arrived at EDR: 02/11/2011	Telephone: 202-366-4595
Date Made Active in Reports: 05/02/2011	Last EDR Contact: 08/09/2011
Number of Days to Update: 80	Next Scheduled EDR Contact: 11/21/2011
	Data Release Frequency: Varies

DOD: Department of Defense Sites

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: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 07/22/2011
Number of Days to Update: 62	Next Scheduled EDR Contact: 10/31/2011
	Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

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: 12/31/2009	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 08/12/2010	Telephone: 202-528-4285
Date Made Active in Reports: 12/02/2010	Last EDR Contact: 09/12/2011
Number of Days to Update: 112	Next Scheduled EDR Contact: 12/26/2011
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CONSENT: Superfund (CERCLA) Consent Decrees

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: 06/01/2011	Source: Department of Justice, Consent Decree Library
Date Data Arrived at EDR: 08/19/2011	Telephone: Varies
Date Made Active in Reports: 09/29/2011	Last EDR Contact: 10/03/2011
Number of Days to Update: 41	Next Scheduled EDR Contact: 01/16/2012
	Data Release Frequency: Varies

ROD: Records Of Decision

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: 07/31/2011	Source: EPA
Date Data Arrived at EDR: 09/14/2011	Telephone: 703-416-0223
Date Made Active in Reports: 09/29/2011	Last EDR Contact: 09/14/2011
Number of Days to Update: 15	Next Scheduled EDR Contact: 12/26/2011
	Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

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.

Date of Government Version: 09/14/2010	Source: Department of Energy
Date Data Arrived at EDR: 10/21/2010	Telephone: 505-845-0011
Date Made Active in Reports: 01/28/2011	Last EDR Contact: 08/31/2011
Number of Days to Update: 99	Next Scheduled EDR Contact: 12/12/2011
	Data Release Frequency: Varies

MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/18/2011	Source: Department of Labor, Mine Safety and Health Administration
Date Data Arrived at EDR: 09/08/2011	Telephone: 303-231-5959
Date Made Active in Reports: 09/29/2011	Last EDR Contact: 09/08/2011
Number of Days to Update: 21	Next Scheduled EDR Contact: 12/19/2011
	Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

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: 12/31/2009	Source: EPA
Date Data Arrived at EDR: 12/17/2010	Telephone: 202-566-0250
Date Made Active in Reports: 03/21/2011	Last EDR Contact: 09/01/2011
Number of Days to Update: 94	Next Scheduled EDR Contact: 12/12/2011
	Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

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: 12/31/2006	Source: EPA
Date Data Arrived at EDR: 09/29/2010	Telephone: 202-260-5521
Date Made Active in Reports: 12/02/2010	Last EDR Contact: 09/27/2011
Number of Days to Update: 64	Next Scheduled EDR Contact: 01/09/2012
	Data Release Frequency: Every 4 Years

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/31/2011
Next Scheduled EDR Contact: 12/12/2011
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act) A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/31/2011
Next Scheduled EDR Contact: 12/12/2011
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems

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: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 08/18/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 01/07/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/21/2011	Telephone: 202-564-5088
Date Made Active in Reports: 03/21/2011	Last EDR Contact: 09/26/2011
Number of Days to Update: 59	Next Scheduled EDR Contact: 01/09/2012
	Data Release Frequency: Quarterly

PADS: PCB Activity Database System

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: 11/01/2010	Source: EPA
Date Data Arrived at EDR: 11/10/2010	Telephone: 202-566-0500
Date Made Active in Reports: 02/16/2011	Last EDR Contact: 07/22/2011
Number of Days to Update: 98	Next Scheduled EDR Contact: 10/31/2011
	Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

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: 06/21/2011	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 07/15/2011	Telephone: 301-415-7169
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 09/12/2011
Number of Days to Update: 60	Next Scheduled EDR Contact: 12/26/2011
	Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 01/11/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/13/2011	Telephone: 202-343-9775
Date Made Active in Reports: 02/16/2011	Last EDR Contact: 07/12/2011
Number of Days to Update: 34	Next Scheduled EDR Contact: 10/24/2011
	Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

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: 04/14/2010	Source: EPA
Date Data Arrived at EDR: 04/16/2010	Telephone: (312) 353-2000
Date Made Active in Reports: 05/27/2010	Last EDR Contact: 09/13/2011
Number of Days to Update: 41	Next Scheduled EDR Contact: 12/26/2011
	Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

BRS: Biennial Reporting System

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: 12/31/2009
Date Data Arrived at EDR: 03/01/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 62

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 09/01/2011
Next Scheduled EDR Contact: 12/12/2011
Data Release Frequency: Biennially

NPDES: NPDES Permit Listing

A listing of active NPDES Permit Section facility locations.

Date of Government Version: 07/19/2011
Date Data Arrived at EDR: 07/19/2011
Date Made Active in Reports: 08/10/2011
Number of Days to Update: 22

Source: Department of Environmental Management
Telephone: 317-233-0676
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: Varies

BULK: Registered Bulk Fertilizer and Pesticide Storage Facilities

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

Date of Government Version: 04/01/2011
Date Data Arrived at EDR: 04/13/2011
Date Made Active in Reports: 04/29/2011
Number of Days to Update: 16

Source: Office of Indiana State Chemist
Telephone: 765-494-0579
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Varies

IN MANIFEST: Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 10/21/2010
Date Made Active in Reports: 11/05/2010
Number of Days to Update: 15

Source: Department of Environmental Management
Telephone: 317-233-4624
Last EDR Contact: 07/15/2011
Next Scheduled EDR Contact: 10/24/2011
Data Release Frequency: Annually

DRYCLEANERS: Drycleaner Facility Listing

A list of drycleaners involved in the Indiana 5-Star Environmental Recognition Program. It is a voluntary program that ranks participating drycleaners on a scale of one to five stars. The program recognizes those drycleaners willing to do more for the environment and worker safety than the rules require. These drycleaners are going above and beyond the rules to protect the environment, their employees and their neighbors and customers.

Date of Government Version: 02/04/2011
Date Data Arrived at EDR: 02/04/2011
Date Made Active in Reports: 02/23/2011
Number of Days to Update: 19

Source: Department of Environmental Management
Telephone: 800-988-7901
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Varies

AIRS: Permitted Sources & Emissions Listing

Current permitted sources and emissions inventory information.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2008
Date Data Arrived at EDR: 06/22/2010
Date Made Active in Reports: 07/27/2010
Number of Days to Update: 35

Source: Department of Environmental Management
Telephone: 317-233-0185
Last EDR Contact: 07/15/2011
Next Scheduled EDR Contact: 10/24/2011
Data Release Frequency: Varies

TIER 2: Tier 2 Facility Listing

A listing of facilities which store or manufacture hazardous materials that submit a chemical inventory report.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 09/20/2010
Date Made Active in Reports: 11/05/2010
Number of Days to Update: 46

Source: Department of Environmental Management
Telephone: 317-233-0066
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: Varies

INDIAN RESERV: Indian Reservations

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: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 07/22/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: Semi-Annually

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011
Date Data Arrived at EDR: 03/09/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 07/15/2011
Next Scheduled EDR Contact: 11/07/2011
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 01/01/2008
Date Data Arrived at EDR: 02/18/2009
Date Made Active in Reports: 05/29/2009
Number of Days to Update: 100

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 08/05/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administered lands of the United States. Lands included are administered by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 07/22/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: N/A

FINANCIAL ASSURANCE 1: Financial Assurance Information Listing

Financial assurance information.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/31/2011
Date Data Arrived at EDR: 08/31/2011
Date Made Active in Reports: 09/12/2011
Number of Days to Update: 12

Source: Department of Environmental Management
Telephone: 317-233-1052
Last EDR Contact: 08/31/2011
Next Scheduled EDR Contact: 12/12/2011
Data Release Frequency: Varies

SCP: State Cleanup Program Sites

The goals for the State Cleanup Section are to mitigate risk to human health and the environment.

Date of Government Version: 06/09/2011
Date Data Arrived at EDR: 06/09/2011
Date Made Active in Reports: 07/14/2011
Number of Days to Update: 35

Source: Department of Environmental Management
Telephone: 317-233-0068
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: Quarterly

COAL ASH: Coal Ash Disposal Sites

A listing of coal ash disposal site locations.

Date of Government Version: 06/21/2011
Date Data Arrived at EDR: 06/22/2011
Date Made Active in Reports: 07/26/2011
Number of Days to Update: 34

Source: Department of Environmental Management
Telephone: 317-233-4624
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Varies

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 08/17/2010
Date Data Arrived at EDR: 01/03/2011
Date Made Active in Reports: 03/21/2011
Number of Days to Update: 77

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 09/16/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Varies

FINANCIAL ASSURANCE 2: Financial Assurance Information Listing

Financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 08/31/2011
Date Data Arrived at EDR: 08/31/2011
Date Made Active in Reports: 09/12/2011
Number of Days to Update: 12

Source: Department of Environmental Management
Telephone: 317-233-1052
Last EDR Contact: 08/31/2011
Next Scheduled EDR Contact: 12/12/2011
Data Release Frequency: Varies

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oil waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

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.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 12/31/2007
Date Data Arrived at EDR: 08/26/2009
Date Made Active in Reports: 09/11/2009
Number of Days to Update: 16

Source: Department of Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 08/26/2011
Next Scheduled EDR Contact: 12/05/2011
Data Release Frequency: Annually

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2010
Date Data Arrived at EDR: 07/20/2011
Date Made Active in Reports: 08/11/2011
Number of Days to Update: 22

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 07/20/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 08/01/2011
Date Data Arrived at EDR: 08/09/2011
Date Made Active in Reports: 09/16/2011
Number of Days to Update: 38

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 08/09/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2008
Date Data Arrived at EDR: 12/01/2009
Date Made Active in Reports: 12/14/2009
Number of Days to Update: 13

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: Annually

RI MANIFEST: Manifest Information

Hazardous waste manifest information

Date of Government Version: 12/31/2010
Date Data Arrived at EDR: 06/24/2011
Date Made Active in Reports: 06/30/2011
Number of Days to Update: 6

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 08/31/2011
Next Scheduled EDR Contact: 12/12/2011
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

VT MANIFEST: Hazardous Waste Manifest Data Hazardous waste manifest information.

Date of Government Version: 08/11/2011
Date Data Arrived at EDR: 08/26/2011
Date Made Active in Reports: 09/14/2011
Number of Days to Update: 19

Source: Department of Environmental Conservation
Telephone: 802-241-3443
Last EDR Contact: 07/25/2011
Next Scheduled EDR Contact: 11/07/2011
Data Release Frequency: Annually

WI MANIFEST: Manifest Information Hazardous waste manifest information.

Date of Government Version: 12/31/2010
Date Data Arrived at EDR: 08/19/2011
Date Made Active in Reports: 09/15/2011
Number of Days to Update: 27

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Annually

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: Rextag Strategies Corp.
Telephone: (281) 769-2247

U.S. Electric Transmission and Power Plants Systems Digital GIS Data

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.

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 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

STREET AND ADDRESS INFORMATION

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GEOCHECK® - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

BOSCH PROPERTY
N BENDIX DRIVE/KENWOOD AVE
SOUTH BEND, IN 46628

TARGET PROPERTY COORDINATES

Latitude (North):	41.68060 - 41° 40' 50.2"
Longitude (West):	86.289 - 86° 17' 20.4"
Universal Transverse Mercator:	Zone 16
UTM X (Meters):	559178.7
UTM Y (Meters):	4614345.5
Elevation:	715 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	41086-F3 SOUTH BEND WEST, IN
Most Recent Revision:	1986

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.

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.

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).

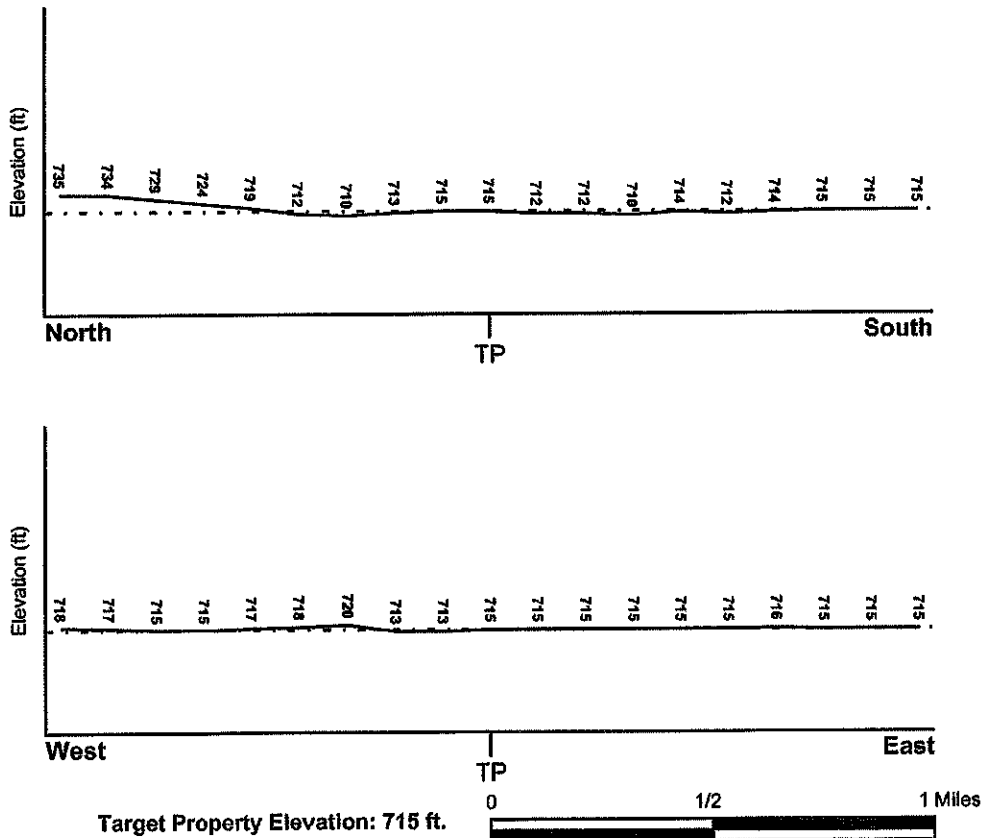
TOPOGRAPHIC INFORMATION

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

General Topographic Gradient: General WNW

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> ST JOSEPH, IN	<u>FEMA Flood Electronic Data</u> YES - refer to the Overview Map and Detail Map
Flood Plain Panel at Target Property:	18141C - FEMA DFIRM Flood data
Additional Panels in search area:	Not Reported

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u> SOUTH BEND WEST	<u>NWI Electronic Data Coverage</u> 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>
19	1/4 - 1/2 Mile SE	NW
33	1/2 - 1 Mile NNE	NW
135	1/2 - 1 Mile SSE	NNE
137	1/2 - 1 Mile SSE	E
41	1/2 - 1 Mile SSW	SE
50	1/2 - 1 Mile SE	FLAT
51	1/2 - 1 Mile NNW	FLAT

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.

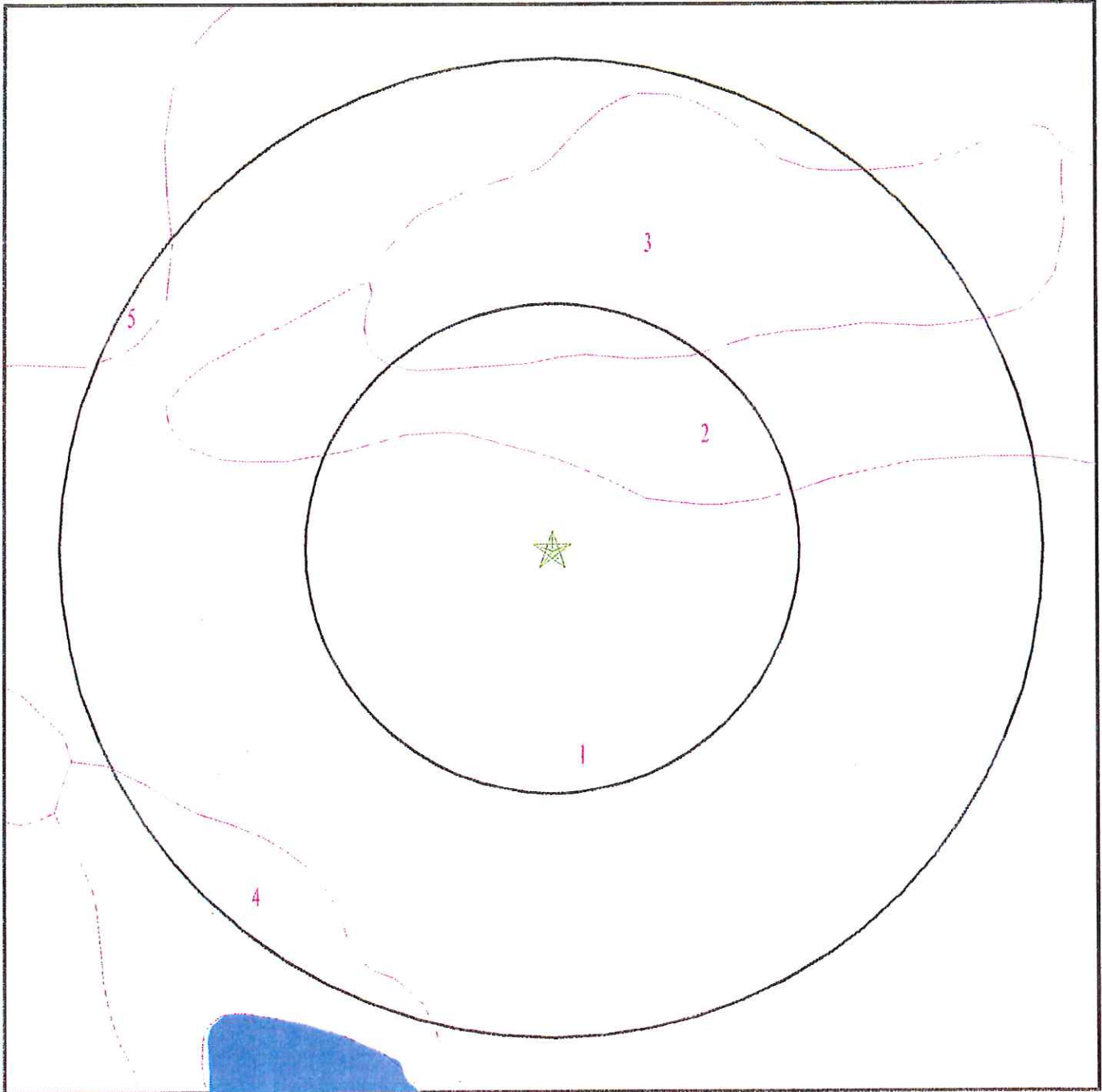
ROCK STRATIGRAPHIC UNIT

GEOLOGIC AGE IDENTIFICATION

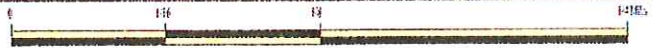
Era:	Paleozoic	Category:	Stratified Sequence
System:	Mississippian		
Series:	Osagean and Kinderhookian Series		
Code:	M1 <i>(decoded above as Era, System & Series)</i>		

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. Belkman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 3178470.2s



★ Target Property
SSURGO Soil
Water



SITE NAME: Bosch Property
ADDRESS: N Bendix Drive/Kenwood Ave
South Bend IN 46628
LAT/LONG: 41.6806 / 86.2890

CLIENT: Weaver Boos Consultants
CONTACT: Ed Stefanek
INQUIRY #: 3178470.2s
DATE: October 07, 2011 11:15 am

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

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. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Urban land

Soil Surface Texture:
Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class:
Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 7 inches

No Layer Information available.

Soil Map ID: 2

Soil Component Name: Urban land

Soil Surface Texture:
Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class:
Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 30 inches

No Layer Information available.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 3

Soil Component Name: Urban land

Soil Surface Texture:
Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class:
Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

Soil Map ID: 4

Soil Component Name: Houghton

Soil Surface Texture: muck

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Very poorly drained

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	9 inches	muck	A-8	Highly organic soils, Peat.	Max: 42.34 Min: 1.41	Max: 7.3 Min: 5.1
2	9 inches	79 inches	muck	A-8	Highly organic soils, Peat.	Max: 42.34 Min: 1.41	Max: 7.3 Min: 5.1

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 5

Soil Component Name: Urban land

Soil Surface Texture: muck

Hydrologic Group: Class A - High Infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class:
Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 23 inches

No Layer Information available.

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water 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>
A2	USGS2340259	0 - 1/8 Mile SW
A3	USGS2340258	0 - 1/8 Mile SW
B4	USGS2340139	1/8 - 1/4 Mile NW
B5	USGS2340137	1/8 - 1/4 Mile NW
B6	USGS2340138	1/8 - 1/4 Mile NW
7	USGS2340132	1/8 - 1/4 Mile WNW
C9	USGS2340157	1/8 - 1/4 Mile NNW
C10	USGS2340158	1/8 - 1/4 Mile NNW
11	USGS2340159	1/4 - 1/2 Mile NW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
D12	USGS2340133	1/4 - 1/2 Mile WNW
15	USGS2340324	1/4 - 1/2 Mile SSW
16	USGS2340231	1/4 - 1/2 Mile WSW
E17	USGS2340153	1/4 - 1/2 Mile WNW
F20	USGS2340134	1/4 - 1/2 Mile WNW
21	USGS2340221	1/4 - 1/2 Mile ESE
22	USGS2340279	1/4 - 1/2 Mile SSW
23	USGS2340193	1/4 - 1/2 Mile NW
24	USGS2340074	1/2 - 1 Mile NNE
G27	USGS2340311	1/2 - 1 Mile SE
G28	USGS2340310	1/2 - 1 Mile SE
31	USGS2340183	1/2 - 1 Mile NW
H32	USGS2340399	1/2 - 1 Mile SSW
K40	USGS2340200	1/2 - 1 Mile ESE
J42	USGS2340380	1/2 - 1 Mile SSW
L43	USGS2340072	1/2 - 1 Mile NE
L44	USGS2340073	1/2 - 1 Mile NE
45	USGS2340323	1/2 - 1 Mile ESE
46	USGS2340381	1/2 - 1 Mile SW
47	USGS2340359	1/2 - 1 Mile SSW
M49	USGS2340421	1/2 - 1 Mile SE
N52	USGS2340069	1/2 - 1 Mile NE
N53	USGS2340070	1/2 - 1 Mile NE
N54	USGS2340071	1/2 - 1 Mile NE
55	USGS2340480	1/2 - 1 Mile South
O56	USGS2340482	1/2 - 1 Mile SSW
O57	USGS2340481	1/2 - 1 Mile SSW
58	USGS2340100	1/2 - 1 Mile ENE
Q61	USGS2339892	1/2 - 1 Mile NNW
P62	USGS2340471	1/2 - 1 Mile South
Q63	USGS2339899	1/2 - 1 Mile NNW
Q64	USGS2339901	1/2 - 1 Mile NNW
Q65	USGS2339900	1/2 - 1 Mile NNW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

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

STATE DATABASE WELL INFORMATION

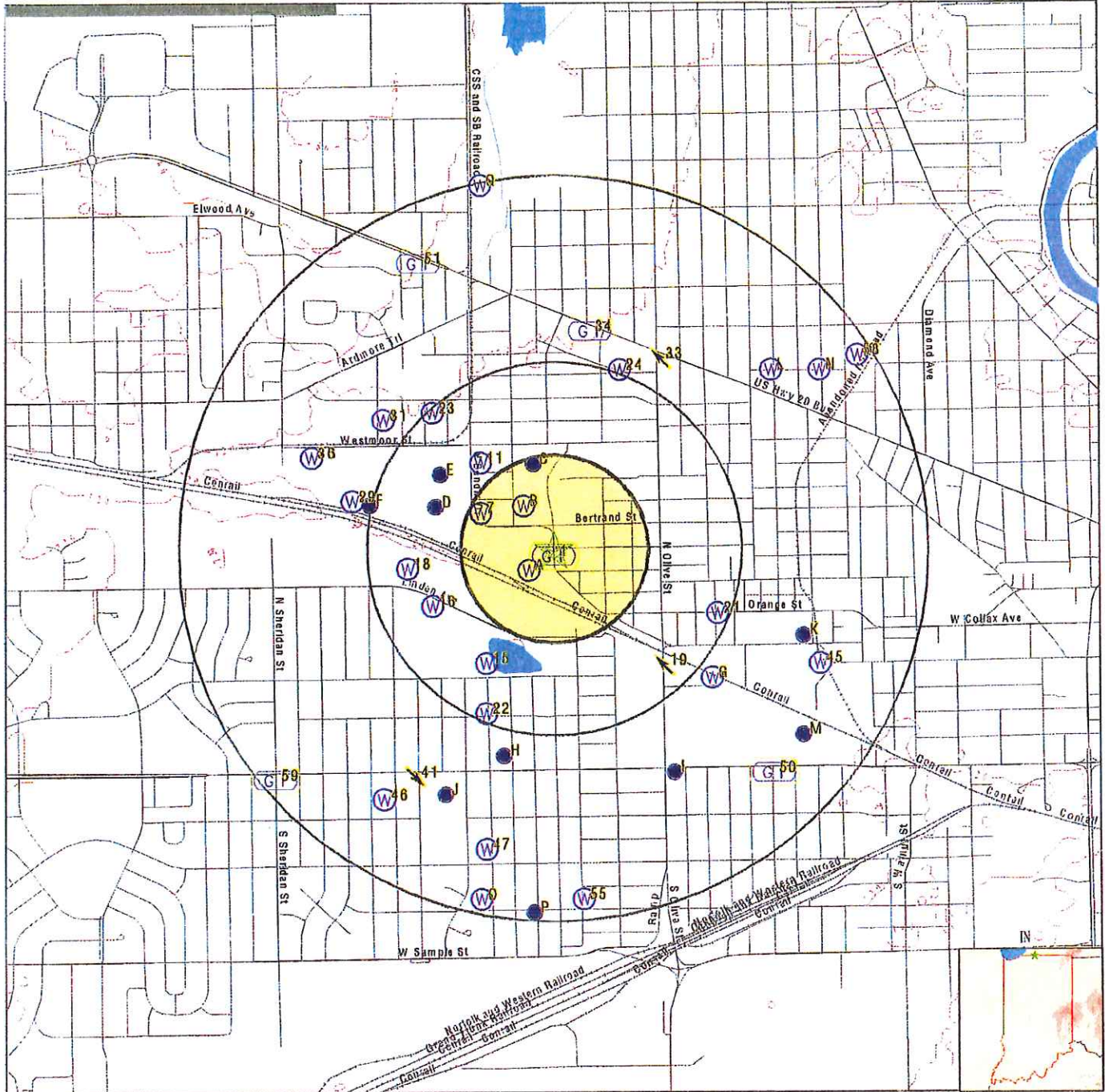
MAP ID	WELL ID	LOCATION FROM TP
C8	INDNR1000140187	1/8 - 1/4 Mile North
E13	INDNR1000140151	1/4 - 1/2 Mile WNW
D14	INDNR1000140082	1/4 - 1/2 Mile WNW
18	INDNR1000139909	1/4 - 1/2 Mile West

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

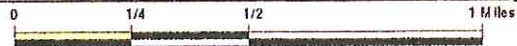
STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
F25	INDNR1000140077	1/2 - 1 Mile WNW
F26	INDNR1000140076	1/2 - 1 Mile WNW
29	INDNR1000140075	1/2 - 1 Mile WNW
H30	INDNR1000139396	1/2 - 1 Mile SSW
36	INDNR1000140201	1/2 - 1 Mile WNW
J38	INDNR1000139305	1/2 - 1 Mile SSW
K39	INDNR1000139722	1/2 - 1 Mile ESE
M48	INDNR1000139450	1/2 - 1 Mile SE
P60	INDNR1000138934	1/2 - 1 Mile South

PHYSICAL SETTING SOURCE MAP - 3178470.2s



- 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

SITE NAME: Bosch Property
 ADDRESS: N Bendix Drive/Kenwood Ave
 South Bend IN 46628
 LAT/LONG: 41.6806 / 86.2890

CLIENT: Weaver Boos Consultants
 CONTACT: Ed Stefarek
 INQUIRY #: 3178470.2s
 DATE: October 07, 2011 11:15 am

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
----------------------------------------------	--	----------	---------------

1 South 0 - 1/8 Mile Higher	Site ID: Groundwater Flow: Water Table Depth: Date:	814 NOT REPORTED AVG 20.5 Feb-90	AQUIFLOW	4232
---------------------------------------------	--------------------------------------------------------------	-------------------------------------------	----------	------

A2 SW 0 - 1/8 Mile Lower			FED USGS	USGS2340259
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Agency cd:	IN002	Site no:	414047086172502
Site name:	37/2E-10D2	EDR Site id:	USGS2340259
Latitude:	414047	Dec lat:	41.67976975
Longitude:	0861725	Coord meth:	M
Dec lon:	-86.29028602	Latlong datum:	NAD27
Coord accur:	T	District:	18
Dec latlong datum:	NAD83	County:	141
State:	18	Land net:	Not Reported
Country:	US	Map scale:	24000
Location map:	SOUTH BEND WEST 19B		
Altitude:	712		
Altitude method:	interpolated from topographic map		
Altitude accuracy:	Not Reported		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	St. Joseph, Indiana, Michigan Area = 4670 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19410900
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	201	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	441816700		
Real time data flag:	0		
Daily flow data end date:	0000-00-00	Daily flow data begin date:	0000-00-00
Peak flow data begin date:	0000-00-00	Daily flow data count:	0
Peak flow data count:	0	Peak flow data end date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data begin date:	0000-00-00
Ground water data begin date:	1941-09-00	Water quality data count:	0
Ground water data count:	1	Ground water data end date:	1941-09-00

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1941-09	45	

A3 SW 0 - 1/8 Mile Lower			FED USGS	USGS2340258
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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	IN002	Site no:	414047086172501
Site name:	37/2E-10D1	EDR Site id:	USGS2340258
Latitude:	414047	Dec lat:	41.67976975
Longitude:	0861725	Coor meth:	M
Dec lon:	-86.29028602	Lalng datum:	NAD27
Coor accr:	T	District:	18
Dec lalng datum:	NAD83	County:	141
State:	18	Land net:	Not Reported
Country:	US	Map scale:	24000
Location map:	SOUTH BEND WEST 19B		
Altitude:	713		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	Not Reported		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	St. Joseph. Indiana, Michigan Area = 4670 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19410900
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	201	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	441816700		
Real time data flag:	0		
Daily flow data end date:	0000-00-00	Daily flow data begin date:	0000-00-00
Peak flow data begin date:	0000-00-00	Daily flow data count:	0
Peak flow data count:	0	Peak flow data end date:	0000-00-00
Water quality data end date:	1960-01-14	Water quality data begin date:	1960-01-14
Ground water data begin date:	0000-00-00	Water quality data count:	1
Ground water data count:	0	Ground water data end date:	0000-00-00

Ground-water levels, Number of Measurements: 0

**B4
NW
1/8 - 1/4 Mile
Higher**

FED USGS USGS2340139

Agency cd:	IN002	Site no:	414056086172603
Site name:	37/2E-03N4	EDR Site id:	USGS2340139
Latitude:	414056	Dec lat:	41.68226976
Longitude:	0861726	Coor meth:	M
Dec lon:	-86.29056383	Lalng datum:	NAD27
Coor accr:	T	District:	18
Dec lalng datum:	NAD83	County:	141
State:	18	Land net:	Not Reported
Country:	US	Map scale:	24000
Location map:	SOUTH BEND WEST 19B		
Altitude:	713		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	Not Reported		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	St. Joseph. Indiana, Michigan Area = 4670 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19410900
Date inventoried:	Not Reported	Mean greenwich time offset:	EST

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	210	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	441816700		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1941-09-00	Ground water data end date:	1941-09-00
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1941-09	45	

B5
NW
1/8 - 1/4 Mile
Higher

FED USGS USGS2340137

Agency cd:	IN002	Site no:	414056086172601
Site name:	37/2E-03N1	EDR Site id:	USGS2340137
Latitude:	414056	Dec lat:	41.68226976
Longitude:	0861726	Coor meth:	M
Dec lon:	-86.29056383	Latlong datum:	NAD27
Coor accr:	T	District:	18
Dec latlong datum:	NAD83	County:	141
State:	18	Land net:	Not Reported
Country:	US	Map scale:	24000
Location map:	SOUTH BEND WEST 19B		
Altitude:	710		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	Not Reported		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	St. Joseph, Indiana, Michigan Area = 4670 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19341024
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	200	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	441816700		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1934-10-24	Ground water data end date:	1934-10-24
Ground water data count:	1		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 1

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

1934-10-24 25

B6
NW
1/8 - 1/4 Mile
Higher

FED USGS USGS2340138

Agency cd:	IN002	Site no:	414056086172602
Site name:	37/2E-03N3	EDR Site Id:	USGS2340138
Latitude:	414056	Dec lat:	41.68226976
Longitude:	0861726	Coor meth:	M
Dec lon:	-86.29056383	Latlong datum:	NAD27
Coor accr:	T	District:	18
Dec latlong datum:	NAD83	County:	141
State:	18	Land net:	Not Reported
Country:	US	Map scale:	24000
Location map:	SOUTH BEND WEST 19B		
Altitude:	713		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	Not Reported		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	St. Joseph. Indiana, Michigan Area = 4670 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19410900
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	208	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	441816700		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	0000-00-00	Ground water data end date:	0000-00-00
Ground water data count:	0		

Ground-water levels, Number of Measurements: 0

7
WNW
1/8 - 1/4 Mile
Lower

FED USGS USGS2340132

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	IN002	Site no:	414055086173401
Site name:	37/2E-03N2	EDR Site id:	USGS2340132
Latitude:	414055	Dec lat:	41.68199195
Longitude:	0861734	Coor meth:	M
Dec lon:	-86.29278614	Latlong datum:	NAD27
Coor accr:	T	District:	18
Dec latlong datum:	NAD83	County:	141
State:	18	Land net:	Not Reported
Country:	US	Map scale:	24000
Location map:	SOUTH BEND WEST 19B		
Altitude:	712		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	Not Reported		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	St. Joseph, Indiana, Michigan Area = 4670 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19341115
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	198	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	441818700		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	0000-00-00	Ground water data end date:	0000-00-00
Ground water data count:	0		

Ground-water levels, Number of Measurements: 0

C8
North
1/8 - 1/4 Mile
Lower

IN WELLS INDNR1000140187

Refno:	57132		
Comp date:	01/01/1921		
Drive:	WELL SJ G18A, USGS BULLETIN 3, NORTHWEST CORNER OF KALEY PARK, AT CREEK		
County1:	ST. JOSEPH	Civilt:	Not Reported
Town1:	37N	Range1:	2E
Quarter1:	SE	Quarter2:	NW
Quarter3:	SW		
Section1:	3		
Topo:	SOUTH BEND WEST	Subdiv:	Not Reported
Lotno:	Not Reported		
Feetns:	0		
Feetsn:	0		
Feetew:	0		
Feetwa:	0		
Utmx:	559125		
Utmy:	4614700		
Grnd elev:	711		
Depth:	198		
Bedrock:	516		
bedro 1:	195		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aqueiv:	0		
Static:	14		
Type test:	Not Reported		
Pumprate:	0		
Pumphou:	0		
Pumpdw:	0		
Bailerr:	0		
Bailerh:	0		
Bailerd:	0		
Welltype:	Not Reported	Well use:	Not Reported
Use other:	Not Reported	Method:	Not Reported
Method other:	Not Reported		
Casingl:	0		
Casingd:	0		
Casingm:	Not Reported		
Screenl:	0		
Screend:	0		
Screenm:	Not Reported	Slot:	Not Reported
Liner top:	0		
Linerdi:	0		
Pumpset:	0		
Type pump:	Not Reported	Pump other:	Not Reported
Quality:	Not Reported	Groutm:	Not Reported
Groulf:	0		
Groult:	0		
Methodg:	Not Reported		
Groulba:	0		
Sealing:	Not Reported	Filledf:	Not Reported
Filledt:	Not Reported	Methods:	Not Reported
Sealbag:	0		
Owner:	CITY OF SOUTH BEND	Ownerad:	Not Reported
Ownerzc:	0		
Ownerrx:	Not Reported	Driller:	Not Reported
Drillad:	Not Reported		
Drillzc:	0		
Drilltx:	Not Reported	Operator:	Not Reported
License:	Not Reported	Date co:	01/01/1985
Cbulldc:	Not Reported		
Bulldad:	Not Reported		
Bulldzc:	0		
Bulldtx:	Not Reported	Fieldby:	Not Reported
Field d:	07/22/1983	Courtby:	Not Reported
Court d:	08/01/1962	Classby:	Not Reported
Class date:	06/01/1963	Accwo:	Not Reported
Accwo date:	07/28/1976	County:	ST. JOSEPH
Town:	Not Reported	Rang:	Not Reported
Section:	0		
Ctyperm:	Not Reported	Dnrvar:	Not Reported
Water supp:	Not Reported		
Bore hole:	0		
Gravelp:	0	Irregla:	Not Reported
Reserve:	Not Reported	Reserve:	0
Site id:	INDNR1000140187		

C9
 NNW
 1/8 - 1/4 Mile
 Lower

FED USGS USGS2340157

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	IN002	Site no:	414102086172501
Site name:	37/2E-03N6	EDR Site id:	USGS2340157
Latitude:	414102	Dec lat:	41.68393643
Longitude:	0861725	Coor meth:	M
Dec lon:	-86.29028605	Latlong datum:	NAD27
Coor accr:	T	District:	18
Dec latlong datum:	NAD83	County:	141
State:	18	Land net:	Not Reported
Country:	US	Map scale:	24000
Location map:	SOUTH BEND WEST 19B		
Altitude:	716		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	Not Reported		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	St. Joseph. Indiana, Michigan Area = 4670 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19531014
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	165	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	441816700		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1960-01-14
Water quality data end date:	1960-01-14	Water quality data count:	1
Ground water data begin date:	0000-00-00	Ground water data end date:	0000-00-00
Ground water data count:	0		

Ground-water levels, Number of Measurements: 0

**C-10
NNW
1/8 - 1/4 Mile
Lower**

FED USGS USGS2340158

Agency cd:	IN002	Site no:	414102086172502
Site name:	37/2E-03N7	EDR Site id:	USGS2340158
Latitude:	414102	Dec lat:	41.68393643
Longitude:	0861725	Coor meth:	M
Dec lon:	-86.29028605	Latlong datum:	NAD27
Coor accr:	T	District:	18
Dec latlong datum:	NAD83	County:	141
State:	18	Land net:	Not Reported
Country:	US	Map scale:	24000
Location map:	SOUTH BEND WEST 19B		
Altitude:	711		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	Not Reported		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	St. Joseph. Indiana, Michigan Area = 4670 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	196	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	441816700		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1920-00-00	Ground water data end date:	1920-00-00
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1920	14	

11
NW
1/4 - 1/2 Mile
Lower

FED USGS USGS2340159

Agency cd:	IN002	Site no:	414102086173401
Site name:	37/2E-03N5		
Latitude:	414102	EDR Site id:	USGS2340159
Longitude:	0861734	Dec lat:	41.6839364
Dec lon:	-86.29278616	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	18
State:	18	County:	141
Country:	US	Land net:	Not Reported
Location map:	SOUTH BEND WEST 19B	Map scale:	24000
Altitude:	713		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	Not Reported		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	St. Joseph, Indiana, Michigan Area = 4670 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19410900
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	205	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	441816700		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

D12
WNW
1/4 - 1/2 Mile
Lower

Database EDR ID Number

FED USGS USGS2340133

Agency cd:	IN002	Site no:	414055086174201
Site name:	37/2E-04R2	EDR Site id:	USGS2340133
Latitude:	414055	Dec lat:	41.68199193
Longitude:	0861742	Coord meth:	M
Dec lon:	-86.29500846	Latlong datum:	NAD27
Coord accr:	T	District:	18
Dec latlong datum:	NAD83	County:	141
State:	18	Land net:	Not Reported
Country:	US	Map scale:	24000
Location map:	SOUTH BEND WEST 19B		
Altitude:	711		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	Not Reported		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	St. Joseph, Indiana, Michigan Area = 4670 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	170	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	441816700		
Real time data flag:	0		
Daily flow data end date:	0000-00-00	Daily flow data begin date:	0000-00-00
Peak flow data begin date:	0000-00-00	Daily flow data count:	0
Peak flow data count:	0	Peak flow data end date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data begin date:	0000-00-00
Ground water data begin date:	1920-00-00	Water quality data count:	0
Ground water data count:	1	Ground water data end date:	1920-00-00

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1920	2	

E13
WNW
1/4 - 1/2 Mile
Lower

IN WELLS INDNR1000140151

Refno:	57117		
Comp date:	04/02/1982		
Drive:	APRX 430' S OF WESTMOOR ST AND 285' W OF BENDIX DR		
County1:	ST. JOSEPH	Civilt:	PORTAGE
Town1:	37N	Range1:	2E
Quarter1:	SE	Quarter2:	NE
Quarter3:	SE		
Section1:	4		
Topo:	SOUTH BEND WEST	Subdiv:	Not Reported
Lotno:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Feetns:	1500		
Feetsn:	0		
Feetew:	0		
Feetwe:	300		
Utmx:	558720		
Utmy:	4614639		
Grnd elev:	710		
Depth:	1.2		
Bedrock:	0		
bedro 1:	0		
Aquetv:	681		
Static:	0		
Type test:	Not Reported		
Pumprate:	0		
Pumphou:	0		
Pumpdw:	0		
Ballerr:	0		
Ballerrt:	0		
Ballerd:	0		
Welltype:	D	Well use:	INDUSTRY
Use other:	Not Reported	Method:	CABLE TOOL
Method other:	Not Reported		
Casingl:	2.4		
Casingd:	.16		
Casingm:	Not Reported		
Screenl:	.33		
Screend:	.16		
Screenm:	Not Reported	Slot:	.020
Liner top:	0		
Linerdi:	0		
Pumpset:	0		
Type pump:	Not Reported	Pump other:	Not Reported
Quality:	Not Reported	Groutm:	Not Reported
Groutf:	0		
Groutt:	0		
Methodg:	Not Reported		
Groulba:	0		
Sealing:	Not Reported	Filledf:	Not Reported
Filledt:	Not Reported	Methods:	Not Reported
Sealbag:	0		
Owner:	BENDIX CORP	Ownerad:	PO BOX U0 S BEND
Ownerzc:	46624		
Ownertx:	Not Reported	Driller:	PEERLESS MIDWEST INC
Drillad:	PO BOX 26 GRANGER		
Drillzc:	46530		
Drilltx:	Not Reported	Operator:	JOHN BLATZ
License:	Not Reported	Date co:	04/13/1982
Cbulde:	Not Reported		
Buildad:	Not Reported		
Buildzc:	0		
Buildtx:	Not Reported	Fieldby:	RPD
Field d:	07/22/1983	Courtby:	Not Reported
Court d:	08/01/1962	Classby:	Not Reported
Class date:	09/01/1966	Accwo:	Not Reported
Accwo date:	07/28/1976	County:	ST. JOSEPH
Town:	Not Reported	Rang:	Not Reported
Section:	0		
Clyperm:	Not Reported	Dnrvm:	Not Reported
Water supp:	Not Reported		
Bore hole:	0		
Gravelp:	0	Irregla:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Reserve: Not Reported Reserve: 0
 Site id: INDNR1000140151

D14
 WNW
 1/4 - 1/2 Mile
 Lower

IN WELLS INDNR1000140082

Refno:	57116		
Comp date:	03/26/1982		
Drive:	APRX 740' S OF WESTMOOR ST AND 520' W OF BENDIX DR		
County1:	ST. JOSEPH	Civilt:	PORTAGE
Town1:	37N	Range1:	2E
Quarter1:	NE	Quarter2:	SE
Quarter3:	SE		
Section1:	4		
Topo:	SOUTH BEND WEST	Subdiv:	Not Reported
Loino:	Not Reported		
Feetns:	1200		
Feetsn:	0		
Feetaw:	0		
Feetwe:	500		
Utmx:	558658		
Utmy:	4614546		
Grnd elev:	710		
Depth:	36		
Bedrock:	0		
bedro 1:	0		
Aquelv:	672		
Static:	0		
Type test:	Not Reported		
Pumprate:	0		
Pumphour:	0		
Pumpdw:	0		
Bailerr:	0		
Ballerh:	0		
Bailerd:	0		
Welltype:	D	Well use:	INDUSTRY
Use other:	Not Reported	Method:	CABLE TOOL
Method other:	Not Reported		
Casingl:	2.2		
Casingd:	.16		
Casingm:	Not Reported		
Screenl:	.33		
Screend:	.16		
Screenm:	Not Reported	Slot:	.020
Liner top:	0		
Linerd:	0		
Pumpset:	0		
Type pump:	Not Reported	Pump other:	Not Reported
Quality:	Not Reported	Groutm:	Not Reported
Groutf:	0		
Groutt:	0		
Methodg:	Not Reported		
Groutba:	0		
Sealing:	Not Reported	Filledf:	Not Reported
Filledt:	Not Reported	Methods:	Not Reported
Sealbag:	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Owner:	BENDIX CORP	Ownerrad:	PO BOX 10 S BEND
Ownerzc:	46624		
Ownerfx:	Not Reported	Driller:	PEERLESS MIDWEST INC
Drillad:	PO BOX 26 GRANGER		
Drillzc:	46530		
Drilltx:	Not Reported	Operator:	JOHN BLATZ
License:	Not Reported	Date co:	04/13/1982
Cbulide:	Not Reported		
Buldad:	Not Reported		
Buldzc:	0		
Buildx:	Not Reported	Fieldby:	RPD
Field d:	07/22/1983	Courtby:	Not Reported
Court d:	08/01/1962	Classby:	Not Reported
Class date:	09/01/1966	Accwo:	Not Reported
Accwo date:	07/28/1976	County:	ST. JOSEPH
Town:	Not Reported	Rang:	Not Reported
Section:	0		
Clyperm:	Not Reported	Dnrvm:	Not Reported
Water supp:	Not Reported		
Bore hole:	0		
Gravelp:	0	Irregla:	Not Reported
Reserve:	Not Reported	Reserve:	0
Site id:	INDNR1000140082		

15
SSW
1/4 - 1/2 Mile
Lower

FED USGS USGS2340324

Agency cd:	IN002	Site no:	414034086173301
Site name:	37/2E-10E2		
Latitude:	414034	EDR Site id:	USGS2340324
Longitude:	0861733	Dec lat:	41.67615861
Dec lon:	-86.29250831	Coor meth:	M
Coor accr:	T	Laitong datum:	NAD27
Dec latlong datum:	NAD83	District:	18
State:	18	County:	141
Country:	US	Land net:	Not Reported
Location map:	SOUTH BEND WEST 19B	Map scale:	24000
Altitude:	713		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	Not Reported		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	St. Joseph, Indiana, Michigan Area = 4870 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	210	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	441816700		
Real time data flag:	0		
Daily flow data begin date:	0000-00-00	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Peak flow data count: 0	Water quality data begin date: 0000-00-00
Water quality data end date: 0000-00-00	Water quality data count: 0
Ground water data begin date: 1920-00-00	Ground water data end date: 1920-00-00
Ground water data count: 1	

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1920	7	

16
WSW
1/4 - 1/2 Mile
Lower

FED USGS USGS2340231

Agency cd:	IN002	Site no:	414042086174301
Site name:	37/2E-09A1	EDR Site id:	USGS2340231
Latitude:	414042	Dec lat:	41.67838081
Longitude:	0861743	Coor meth:	M
Dec lon:	-86.29528622	Latlong datum:	NAD27
Coor accr:	T	District:	18
Dec latlong datum:	NAD83	County:	141
State:	18	Land net:	Not Reported
Country:	US	Map scale:	24000
Location map:	SOUTH BEND WEST 19B		
Altitude:	709		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	Not Reported		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	St. Joseph. Indiana, Michigan Area = 4670 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwch time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	186	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	441816700		
Real time data flag:	0		
Daily flow data end date:	0000-00-00	Daily flow data begin date:	0000-00-00
Peak flow data begin date:	0000-00-00	Daily flow data count:	0
Peak flow data count:	0	Peak flow data end date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data begin date:	0000-00-00
Ground water data begin date:	1920-00-00	Water quality data count:	0
Ground water data count:	1	Ground water data end date:	1920-00-00

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1920	0	

E17
WNW
1/4 - 1/2 Mile
Lower

FED USGS USGS2340153

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	IN002	Site no:	414101086174301
Site name:	37/2E-04R1	EDR Site id:	USGS2340153
Latitude:	414101	Dec lat:	41.6836586
Longitude:	0861743	Coor meth:	M
Dec lon:	-86.29528626	Latlong datum:	NAD27
Coor accr:	T	District:	18
Dec latlong datum:	NAD83	County:	141
State:	18	Land net:	Not Reported
Country:	US	Map scale:	24000
Location map:	SOUTH BEND WEST 19B		
Altitude:	712		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	Not Reported		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	St. Joseph, Indiana, Michigan Area = 4670 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19410900
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	142	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	441816700		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

18
West
1/4 - 1/2 Mile
Lower

IN WELLS INDNR1000139909

Refno:	57128		
Comp date:	01/01/1921		
Drive:	FROM USGS BULLETIN #3, SJ 6-14A, NORTHWEST CORNER OF LASALLE LAKE		
County1:	ST. JOSEPH	Civilt:	Not Reported
Town1:	37N	Range1:	2E
Quarter1:	SW	Quarter2:	SE
Quarter3:	SE		
Section1:	4		
Topo:	SOUTH BEND WEST	Subdiv:	Not Reported
Lotno:	Not Reported		
Feetns:	0		
Feetn:	0		
Feetew:	0		
Feetwe:	0		
Utmx:	558550		
Uimy:	4614250		
Grnd elev:	710		
Depth:	203		
Bedrock:	510		
bedro 1:	200		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquelv:	0		
Stalic:	0		
Type test:	Not Reported		
Pumprate:	0		
Pumphou:	0		
Pumpdw:	0		
Baillerr:	0		
Baillerh:	0		
Baillerd:	0		
Welltype:	Not Reported	Well use:	Not Reported
Use other:	Not Reported	Method:	Not Reported
Method other:	Not Reported		
Casingl:	0		
Casingd:	0		
Casingm:	Not Reported		
Screenl:	0		
Screend:	0		
Screenm:	Not Reported	Slot:	Not Reported
Liner top:	0		
Linerdi:	0		
Pumpset:	0		
Type pump:	Not Reported	Pump other:	Not Reported
Quality:	Not Reported	Groutm:	Not Reported
Grouff:	0		
Grouth:	0		
Methodg:	Not Reported		
Groutha:	0		
Sealing:	Not Reported	Filledf:	Not Reported
Filledt:	Not Reported	Methods:	Not Reported
Sealbag:	0		
Owner:	CITY OF SOUTH BEND	Ownerad:	Not Reported
Ownerzc:	0		
Ownertx:	Not Reported	Driller:	Not Reported
Drillad:	Not Reported		
Drillzc:	0		
Drilltx:	Not Reported	Operator:	Not Reported
License:	Not Reported	Date co:	01/01/1985
Cbuilde:	Not Reported		
Buildad:	Not Reported		
Buildzc:	0		
Buildtx:	Not Reported	Fieldby:	Not Reported
Field d:	07/22/1983	Courtby:	Not Reported
Court d:	08/01/1962	Classby:	Not Reported
Class date:	06/01/1963	Accwo:	Not Reported
Accwo date:	07/28/1976	County:	ST. JOSEPH
Town:	Not Reported	Rang:	Not Reported
Section:	0		
Clyperm:	Not Reported	Dnrvam:	Not Reported
Water supp:	Not Reported		
Bore hole:	0		
Gravelp:	0	Irregla:	Not Reported
Reserve:	Not Reported	Reserve:	0
Site id:	INDNR1000139909		

19
SE
1/4 - 1/2 Mile
Higher

Site ID: 18437
Groundwater Flow: NW
Water Table Depth: 13.49-14.04
Date: Oct-96

AQUIFLOW 4284

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

F20
WNW
1/4 - 1/2 Mile
Higher

Database EDR ID Number

FED USGS USGS2340134

Agency cd:	IN002	Site no:	414055086175201
Site name:	37/2E-04R3	EDR Site id:	USGS2340134
Latitude:	414055	Dec lat:	41.6819919
Longitude:	0881752	Coor meth:	M
Dec lon:	-86.29778635	Latlong datum:	NAD27
Coor accr:	T	District:	18
Dec latlong datum:	NAD83	County:	141
State:	18	Land net:	Not Reported
Country:	US	Map scale:	24000
Location map:	SOUTH BEND WEST 19B		
Altitude:	710		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	Not Reported		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	St. Joseph, Indiana, Michigan Area = 4670 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	203	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	441816700		
Real time data flag:	0		
Daily flow data end date:	0000-00-00	Daily flow data begin date:	0000-00-00
Peak flow data begin date:	0000-00-00	Daily flow data count:	0
Peak flow data count:	0	Peak flow data end date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data begin date:	0000-00-00
Ground water data begin date:	1920-00-00	Water quality data count:	0
Ground water data count:	1	Ground water data end date:	1920-00-00

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1920	0	

21
ESE
1/4 - 1/2 Mile
Higher

FED USGS USGS2340221

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	IN002	Site no:	414041086165001
Site name:	37/2E-10B1	EDR Site id:	USGS2340221
Latitude:	414041	Dec lat:	41.67810319
Longitude:	0861650	Coor meth:	M
Dec lon:	-86.28056338	Latlong datum:	NAD27
Coor accr:	T	District:	18
Dec latlong datum:	NAD83	County:	141
State:	18	Land net:	Not Reported
Country:	US	Map scale:	24000
Location map:	SOUTH BEND WEST 19B		
Altitude:	717		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	Not Reported		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	St. Joseph, Indiana, Michigan Area = 4670 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19441118
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	130	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	441816700		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1944-11-18	Ground water data end date:	1944-11-18
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1944-11-18	30	

22
SSW
1/4 - 1/2 Mile
Lower

FED USGS USGS2340279

Agency cd:	IN002	Site no:	414027086173301
Site name:	37/2E-10E1	EDR Site id:	USGS2340279
Latitude:	414027	Dec lat:	41.67421417
Longitude:	0861733	Coor meth:	M
Dec lon:	-86.29250829	Latlong datum:	NAD27
Coor accr:	T	District:	18
Dec latlong datum:	NAD83	County:	141
State:	18	Land net:	Not Reported
Country:	US	Map scale:	24000
Location map:	SOUTH BEND WEST 19B		
Altitude:	713		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	Not Reported		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	St. Joseph, Indiana, Michigan Area = 4670 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Local standard time flag: N
 Type of ground water site: Single well, other than collector or Ranney type
 Aquifer Type: Not Reported
 Aquifer: Not Reported
 Well depth: 211 Hole depth: Not Reported
 Source of depth data: Not Reported
 Project number: 441816700
 Real time data flag: 0
 Daily flow data end date: 0000-00-00 Daily flow data begin date: 0000-00-00
 Daily flow data count: 0
 Peak flow data begin date: 0000-00-00 Peak flow data end date: 0000-00-00
 Peak flow data count: 0
 Water quality data begin date: 0000-00-00
 Water quality data end date: 0000-00-00
 Water quality data count: 0
 Ground water data begin date: 1920-00-00
 Ground water data end date: 1920-00-00
 Ground water data count: 1

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1920	6	

23
 NW
 1/4 - 1/2 Mile
 Higher

FED USGS USGS2340193

Agency cd: IN002 Site no: 414109086174301
 Site name: 37/2E-04J2
 Latitude: 414109 EDR Site id: USGS2340193
 Longitude: 0861743 Dec lat: 41.68588082
 Dec lon: -86.29528628 Coor meth: M
 Coor accr: T Latlong datum: NAD27
 Dec latlong datum: NAD83 District: 18
 State: 18 County: 141
 Country: US Land net: Not Reported
 Location map: SOUTH BEND WEST 19B Map scale: 24000
 Altitude: 712
 Altitude method: Interpolated from topographic map
 Altitude accuracy: Not Reported
 Altitude datum: National Geodetic Vertical Datum of 1929
 Hydrologic: St. Joseph, Indiana, Michigan Area = 4670 sq.mi.
 Topographic: Not Reported
 Site type: Ground-water other than Spring Date construction: 19410900
 Date inventoried: Not Reported Mean greenwich time offset: EST
 Local standard time flag: N
 Type of ground water site: Single well, other than collector or Ranney type
 Aquifer Type: Not Reported
 Aquifer: Not Reported
 Well depth: 205 Hole depth: Not Reported
 Source of depth data: Not Reported
 Project number: 441816700
 Real time data flag: Not Reported
 Daily flow data end date: Not Reported Daily flow data begin date: Not Reported
 Daily flow data count: Not Reported
 Peak flow data begin date: Not Reported Peak flow data end date: Not Reported
 Peak flow data count: Not Reported
 Water quality data begin date: Not Reported
 Water quality data end date: Not Reported
 Water quality data count: Not Reported
 Ground water data begin date: Not Reported
 Ground water data end date: Not Reported
 Ground water data count: Not Reported

Ground-water levels, Number of Measurements: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation	Database	EDR ID Number
24 NNE 1/2 - 1 Mile Lower	FED USGS	USGS2340074

Agency cd:	IN002	Site no:	414115086170801
Site name:	37/2E-03L1	EDR Site id:	USGS2340074
Latitude:	414115	Dec lat:	41.68754759
Longitude:	0861708	Coor meth:	M
Dec lon:	-86.28556366	Latlong datum:	NAD27
Coor accr:	T	District:	18
Dec latlong datum:	NAD83	County:	141
State:	18	Land net:	Not Reported
Country:	US	Map scale:	24000
Location map:	SOUTH BEND WEST 19B		
Altitude:	710		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	Not Reported		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	St. Joseph, Indiana, Michigan Area = 4670 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	186	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	441816700		
Real time data flag:	0		
Daily flow data end date:	0000-00-00	Daily flow data begin date:	0000-00-00
Peak flow data begin date:	0000-00-00	Daily flow data count:	0
Peak flow data count:	0	Peak flow data end date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data begin date:	0000-00-00
Ground water data begin date:	1920-00-00	Water quality data count:	0
Ground water data count:	1	Ground water data end date:	1920-00-00

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1920	18	

F25 WNW 1/2 - 1 Mile Higher	IN WELLS	INDNR1000140077
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Refno:	57119		
Comp date:	03/12/1982		
Drive:	ARPX 870' S OF WESTMOOR ST AND 1430' W OF BENDIX DR		
County1:	ST. JOSEPH	Civilt:	PORTAGE
Town1:	37N	Range1:	2E
Quarter1:	NE	Quarter2:	SW
Quarter3:	SE		
Section1:	4		
Topo:	SOUTH BEND WEST	Subdiv:	Not Reported
Lotno:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Feetns:	1200		
Feetsn:	0		
Feetew:	0		
Feetwe:	1500		
Utmx:	558357		
Utmy:	4614540		
Gmd elev:	710		
Depth:	30		
Bedrock:	0		
bedro 1:	0		
Aquelv:	682		
Static:	0		
Type test:	Not Reported		
Pumprate:	0		
Pumphou:	0		
Pumpdw:	0		
Bailer:	0		
Bailerh:	0		
Bailerd:	0		
Welltype:	D	Well use:	INDUSTRY
Use other:	Not Reported	Method:	CABLE TOOL
Method other:	Not Reported		
Casingl:	1.7		
Casingd:	.16		
Casingm:	Not Reported		
Screenl:	.33		
Screenm:	.16	Slot:	0.035
Screenn:	Not Reported		
Liner top:	0		
Linerd:	0		
Pumpset:	0		
Type pump:	Not Reported	Pump other:	Not Reported
Quality:	Not Reported	Groutm:	Not Reported
Groutf:	0		
Groutt:	0		
Methodg:	Not Reported		
Groutba:	0	Filledf:	Not Reported
Sealing:	Not Reported	Methods:	Not Reported
Filledt:	Not Reported		
Sealbag:	0	Ownerad:	PO BOX 10 S BEND
Owner:	BENDIX CORP	Driller:	PEERLESS MIDWEST INC
Ownerzc:	46624		
Ownertx:	Not Reported	Operator:	M GARRAGE/J BLATZ
Drilled:	PO BOX 26 GRANGER	Date co:	04/13/1982
Drillzc:	46530		
Drilltx:	Not Reported	Fieldby:	RPD
License:	Not Reported	Courtby:	Not Reported
Cbulde:	Not Reported	Classby:	Not Reported
Buldad:	Not Reported	Accwo:	Not Reported
Buldzc:	0	County:	ST. JOSEPH
Buldtx:	Not Reported	Rang:	Not Reported
Field d:	07/22/1983	Dnrvarn:	Not Reported
Court d:	08/01/1962		
Class date:	09/01/1966	Irregla:	Not Reported
Accwo date:	07/28/1976		
Town:	Not Reported		
Section:	0		
Clyperm:	Not Reported		
Water supp:	Not Reported		
Bore hole:	0		
Gravelp:	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Reserve: Not Reported Reserve: 0
 Site id: INDNR1000140077

F26
 WNW
 1/2 - 1 Mile
 Higher

IN WELLS INDNR1000140076

Refno:	57118		
Comp date:	02/25/1982		
Drive:	BENDIX CORP PROPERTY		
County1:	ST. JOSEPH	Civilt:	PORTAGE
Town1:	37N	Range1:	2E
Quarter1:	NE	Quarter2:	SW
Quarter3:	SE		
Section1:	4		
Topo:	SOUTH BEND WEST	Subdiv:	Not Reported
Loino:	Not Reported		
Feetns:	1200		
Feetsn:	0		
Feetew:	0		
Feetwe:	1500		
Utmx:	558357		
Utmy:	4614540		
Grnd elev:	710		
Depth:	30		
Bedrock:	0		
bedro 1:	0		
Aquelv:	682		
Static:	19.5		
Type test:	Not Reported		
Pumprate:	42		
Pumphou:	8		
Pumpdw:	3		
Baiferr:	0		
Baiferh:	0		
Baiferd:	0		
Welltype:	G	Well use:	INDUSTRY
Use other:	Not Reported	Method:	CABLE TOOL
Method other:	Not Reported		
Casingl:	25		
Casingd:	4		
Casingm:	Not Reported		
Screenl:	5		
Screend:	4		
Screenm:	Not Reported	Slot:	.035
Liner top:	0		
Linerd:	0		
Pumpset:	0		
Type pump:	Not Reported	Pump other:	Not Reported
Quality:	Not Reported	Groutm:	Not Reported
Groulf:	0		
Grouth:	0		
Methodg:	Not Reported		
Grouba:	0		
Sealing:	Not Reported	Filledf:	Not Reported
Filledt:	Not Reported	Methods:	Not Reported
Sealbag:	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Owner:	BENDIX CORPORATION	Ownerad:	S BEND
Ownerzc:	0	Driller:	PEERLESS MIDWEST INC
Ownertx:	Not Reported	Operator:	MIKE GARRAGE
Drillad:	PO BOX 10 S BEND	Date co:	03/05/1982
Drillzc:	46530	Fieldby:	RPD
Drilltx:	Not Reported	Courtby:	Not Reported
License:	Not Reported	Classby:	Not Reported
Cbuilde:	Not Reported	Accwo:	Not Reported
Buildad:	Not Reported	County:	ST. JOSEPH
Buildzc:	0	Rang:	Not Reported
Buildx:	Not Reported	Dnrvam:	Not Reported
Field d:	07/22/1983	Irregla:	Not Reported
Court d:	08/01/1962	Reserve:	0
Class date:	09/01/1966		
Accwo date:	07/28/1976		
Town:	Not Reported		
Section:	0		
Ctyperm:	Not Reported		
Water supp:	Not Reported		
Bore hole:	0		
Gravelp:	0		
Reserve:	Not Reported		
Site id:	INDNR1000140076		

G27

SE

**1/2 - 1 Mile
Higher**

FED USGS

USGS2340311

Agency cd:	IN002	Site no:	414032086165102
Site name:	37/2E-10G4	EDR Site id:	USGS2340311
Latitude:	414032	Dec lat:	41.67560318
Longitude:	0861651	Coor meth:	M
Dec lon:	-86.28084115	Latlong datum:	NAD27
Coor accr:	T	District:	18
Dec tallong datum:	NAD83	County:	141
State:	18	Land net:	Not Reported
Country:	US	Map scale:	24000
Location map:	SOUTH BEND WEST 19B		
Altitude:	714		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	Not Reported		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	St. Joseph, Indiana, Michigan Area = 4670 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19340806
Date inventoried:	Not Reported	Mean greenwlch time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	118	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	441816700		
Real time data flag:	0		
Daily flow data begin date:	0000-00-00	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Peak flow data count: 0	Water quality data begin date: 0000-00-00
Water quality data end date: 0000-00-00	Water quality data count: 0
Ground water data begin date: 0000-00-00	Ground water data end date: 0000-00-00
Ground water data count: 0	

Ground-water levels, Number of Measurements: 0

G28

SE

1/2 - 1 Mile

Higher

FED USGS

USGS2340310

Agency cd:	IN002	Site no:	414032086165101
Site name:	37/2E-10G3		
Latitude:	414032	EDR Site id:	USGS2340310
Longitude:	0861651	Dec lat:	41.67560318
Dec lon:	-86.28084115	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	18
State:	18	County:	141
Country:	US	Land net:	Not Reported
Location map:	SOUTH BEND WEST 19B	Map scale:	24000
Altitude:	714		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	Not Reported		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	St. Joseph, Indiana, Michigan Area = 4670 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19340718
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	138	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	441816700		
Real time data flag:	Not Reported		
Daily flow data end date:	Not Reported		
Daily flow data begin date:	Not Reported		
Peak flow data begin date:	Not Reported		
Peak flow data count:	Not Reported		
Water quality data end date:	Not Reported		
Water quality data begin date:	Not Reported		
Ground water data begin date:	Not Reported		
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

29

WNW

1/2 - 1 Mile

Higher

IN WELLS

INDNR1000140075

Refno:	58235		
Comp date:	03/04/1982		
Drive:	APRX 765' S OF WESTMOOR ST AND 1675' W OF BENDIX DR		
County1:	ST. JOSEPH	Civilt:	PORTAGE
Town1:	37N	Range1:	2E
Quarter1:	NE	Quarter2:	SW
Quarter3:	SE		
Section1:	4		
Topo:	SOUTH BEND WEST	Subdiv:	Not Reported
Lotno:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Feetns:	1200		
Feetsn:	0		
Feetew:	0		
Feetwe:	1650		
Utmx:	558313		
Utmy:	4614539		
Grnd elev:	710		
Depth:	27		
Bedrock:	0		
bedro 1:	0		
Aqueiv:	681		
Static:	0		
Type test:	Not Reported		
Pumprate:	0		
Pumphou:	0		
Pumpdw:	0		
Baiterr:	0		
Baierh:	0		
Baierd:	0		
Welltype:	D	Well use:	INDUSTRY
Use other:	Not Reported	Method:	CABLE TOOL
Method other:	Not Reported		
Casingl:	1.7		
Casingd:	.16		
Casingm:	Not Reported		
Screenl:	.33		
Screend:	.16		
Screenm:	Not Reported	Slot:	.035
Liner top:	0		
Linerd:	0		
Pumpset:	0		
Type pump:	Not Reported	Pump other:	Not Reported
Quality:	Not Reported	Groutm:	Not Reported
Groutf:	0		
Groutt:	0		
Methodg:	Not Reported		
Groutba:	0		
Sealing:	Not Reported	Filledf:	Not Reported
Filledt:	Not Reported	Methods:	Not Reported
Sealbag:	0		
Owner:	BENDIX CORP	Ownerad:	PO BOX 10 S BEND
Ownerzc:	46624		
Ownerbx:	Not Reported	Driller:	PEERLESS MIDWEST INC
Drillad:	PO BOX 26 GRANGER		
Drillzc:	46530		
Drilltx:	Not Reported	Operator:	JOHN BLATZ
License:	Not Reported	Date co:	04/13/1982
Cbuilde:	Not Reported		
Buildad:	Not Reported		
Buildzc:	0		
Buildtx:	Not Reported	Fieldby:	RPD
Field d:	07/22/1983	Courtby:	Not Reported
Court d:	07/21/1986	Classby:	Not Reported
Class date:	09/01/1965	Accwo:	Not Reported
Accwo date:	04/01/1975	County:	ST. JOSEPH
Town:	Not Reported	Rang:	Not Reported
Section:	0		
Ctyperm:	Not Reported	Dnrvam:	Not Reported
Water supp:	Not Reported		
Bore hole:	0		
Gravelp:	0	Irregla:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Reserve: Not Reported Reserve: 0
 Site id: INDNR1000140075

H30
 SSW
 1/2 - 1 Mile
 Lower

IN WELLS INDNR1000139396

Refno:	72991		
Comp date:	01/01/1921		
Drive:	CAMDEN STREET, 150 FT. SOUTH OF WEST WASHINGTON STREET, FROM USGS BULLETIN #3, SJ 6-11A		
County1:	ST. JOSEPH	Civilt:	Not Reported
Town1:	37N	Range1:	2E
Quarter1:	SW	Quarter2:	SW
Quarter3:	NW		
Section1:	10		
Topo:	SOUTH BEND WEST	Subdiv:	Not Reported
LoIno:	Not Reported		
Feetns:	0		
Feetn:	0		
Feetw:	0		
Feetwe:	0		
Utmx:	558975		
Utmy:	4613450		
Grnd elev:	713		
Depth:	211		
Bedrock:	502		
bedro 1:	211		
Aquelv:	0		
Static:	5.8		
Type test:	Not Reported		
Pumprate:	0		
Pumphou:	0		
Pumpdw:	0		
Ballerr:	0		
Ballerrh:	0		
Ballerd:	0		
Welltype:	D	Well use:	Not Reported
Use other:	Not Reported	Method:	Not Reported
Method other:	Not Reported		
Casingl:	0		
Casingd:	0		
Casingm:	Not Reported		
Screenl:	0		
Screend:	0		
Screenm:	Not Reported	Slot:	Not Reported
Liner top:	0		
Linerdl:	0		
Pumpset:	0		
Type pump:	Not Reported	Pump other:	Not Reported
Quality:	Not Reported	Groutm:	Not Reported
Grouff:	0		
Grouft:	0		
Methodg:	Not Reported		
Groubta:	0		
Sealing:	Not Reported	Filledf:	Not Reported
Filledt:	Not Reported	Methods:	Not Reported
Sealbag:	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Owner:	CITY OF SOUTH BEND	Ownerad:	Not Reported
Ownerzc:	0	Driller:	Not Reported
Ownerbx:	Not Reported	Operator:	Not Reported
Drillad:	Not Reported	Date co:	02/01/1985
Drillzc:	0	Fieldby:	Not Reported
Drillix:	Not Reported	Courtby:	Not Reported
License:	Not Reported	Classby:	Not Reported
Cbuildc:	Not Reported	Accwo:	Not Reported
Buifdad:	Not Reported	County:	ST. JOSEPH
Buifdzc:	0	Rang:	Not Reported
Buifdix:	Not Reported	Dnrvar:	Not Reported
Field d:	07/24/1986	Irregia:	Not Reported
Court d:	12/05/1961	Reserve:	0
Class date:	12/01/1963		
Accwo date:	01/18/1982		
Town:	Not Reported		
Section:	0		
Clyperm:	Not Reported		
Water supp:	Not Reported		
Bore hole:	0		
Gravelp:	0		
Reserve:	Not Reported		
Site id:	INDNR1000139396		

31
NW
1/2 - 1 Mile
Higher

FED USGS USGS2340183

Agency cd:	IN002	Site no:	414108086175201
Site name:	37/2E-04J1	EDR Site id:	USGS2340183
Latitude:	414108	Dec lat:	41.68560302
Longitude:	0861752	Coor meth:	M
Dec lon:	-86.29778638	Latlong datum:	NAD27
Coor accr:	T	District:	18
Dec latlong datum:	NAD83	County:	141
State:	18	Land net:	Not Reported
Country:	US	Map scale:	24000
Location map:	SOUTH BEND WEST 19B		
Altitude:	712		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	Not Reported		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	St. Joseph, Indiana, Michigan Area = 4670 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19410900
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	182	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	441816700		
Real time data flag:	Not Reported		
Daily flow data begin date:	Not Reported		
Daily flow data end date:	Not Reported		
Peak flow data begin date:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Peak flow data count: Not Reported	Water quality data begin date: Not Reported
Water quality data end date: Not Reported	Water quality data count: Not Reported
Ground water data begin date: Not Reported	Ground water data end date: Not Reported
Ground water data count: Not Reported	

Ground-water levels, Number of Measurements: 0

H32
SSW
1/2 - 1 Mile
Lower

FED USGS USGS2340399

Agency cd:	IN002	Site no:	414021086173001
Site name:	72991 REFERENCE NUMBER FROM IDNR-DOW DATABASE		
Latitude:	414021	EDR Site Id:	USGS2340399
Longitude:	0861730	Dec lat:	41.67254751
Dec lon:	-86.29167491	Coor meth:	M
Coor accr:	U	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	18
State:	18	County:	141
Country:	US	Land net:	Not Reported
Location map:	SOUTH BEND WEST 19B	Map scale:	24000
Altitude:	713.00		
Altitude method:	Unknown		
Altitude accuracy:	Not Reported		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	St. Joseph, Indiana, Michigan Area = 4670 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19210101
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	211.00	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	441816700		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	0000-00-00	Ground water data end date:	0000-00-00
Ground water data count:	0		

Ground-water levels, Number of Measurements: 0

33
NNE
1/2 - 1 Mile
Higher

Site ID:	5483		
Groundwater Flow:	NW	AQUIFLOW	4249
Water Table Depth:	18.5-20.0		
Date:	May-93		

34
North
1/2 - 1 Mile
Higher

Site ID:	2989		
Groundwater Flow:	NOT REPORTED	AQUIFLOW	4241
Water Table Depth:	23.21-28.61		
Date:	Nov-97		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

I35
SSE
 1/2 - 1 Mile
 Higher

Site ID: 121
 Groundwater Flow: NNE
 Water Table Depth: NOT REPORTED
 Date: Nov-70

AQUIFLOW 4224

36
WNW
 1/2 - 1 Mile
 Higher

IN WELLS INDNR1000140201

Reino:	57109		
Comp date:	02/14/1940		
Drive:	35'W OF PLANT 4 ANNEX 12S OF BUILDING 25		
County1:	ST. JOSEPH	Civilt:	PORTAGE
Town1:	37N	Range1:	2E
Quarter1:	SW	Quarter2:	NW
Quarter3:	SE		
Section1:	4		
Topo:	SOUTH BEND WEST	Subdiv:	PEERLESS MIDWEST
Lotno:	Not Reported		
Feetns:	1750		
Feetsn:	0		
Feetew:	0		
Feetwe:	2150		
Utmx:	558143		
Utmy:	4614725		
Grnd elev:	710		
Depth:	50		
Bedrock:	0		
bedro 1:	0		
Aquelv:	658		
Static:	14.3		
Type test:	Not Reported		
Pumprate:	0		
Pumphou:	0		
Pumpdw:	0		
Bailerr:	0		
Ballerh:	0		
Bailerd:	0		
Welltype:	Not Reported	Well use:	INDUSTRY
Use other:	Not Reported	Method:	CABLE TOOL
Method other:	Not Reported		
Casingl:	47.52		
Casingd:	1		
Casingm:	Not Reported		
Screenl:	3		
Screend:	0		
Screenm:	Not Reported	Slot:	Not Reported
Liner top:	0		
Linerdl:	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pumpset:	0	Pump other:	Not Reported
Type pump:	Not Reported	Groulm:	Not Reported
Quality:	Not Reported		
Groulf:	0		
Groult:	0		
Methodg:	Not Reported		
Groulba:	0		
Sealing:	Not Reported	Filledf:	Not Reported
Filledt:	Not Reported	Methods:	Not Reported
Sealbag:	0		
Owner:	BENDIX CORP	Ownerad:	SOUTH BEND IN
Ownerzc:	0		
Ownerbx:	Not Reported	Driller:	PEERLESS MIDWEST INC
Drillad:	GRANGER IN		
Drillzc:	46530		
Drillix:	Not Reported	Operator:	MIKE GARRAGE
License:	Not Reported	Date co:	08/29/1980
Cbuilde:	Not Reported		
Buildad:	Not Reported		
Buildzc:	0		
Bulldtx:	Not Reported	Fieldby:	FM
Field d:	07/02/1981	Courtby:	Not Reported
Court d:	08/01/1962	Classby:	Not Reported
Class date:	08/02/1986	Accwo:	Not Reported
Accwo date:	12/01/1975	County:	ST. JOSEPH
Town:	Not Reported	Rang:	Not Reported
Section:	0		
Ctyperm:	Not Reported	Dnrvarn:	Not Reported
Water supp:	Not Reported		
Bore hole:	0		
Gravelp:	0	Irregla:	Not Reported
Reserve:	Not Reported	Reserve:	0
Site id:	INDNR1000140201		

I37	Site ID:	10551		
SSE	Groundwater Flow:	E	AQUIFLOW	4263
1/2 - 1 Mile	Water Table Depth:	AVG 13.5		
Higher	Date:	Apr-90		

J38			IN WELLS	INDNR1000139305
SSW				
1/2 - 1 Mile				
Higher				
Refno:	72981			
Comp date:	01/01/1921			
Drive:	IOWA STREET AND HARON STREET, FROM USGS BULLETIN #3 SJ6-16A			
County1:	ST. JOSEPH	Civlt:	Not Reported	
Town1:	37N	Range1:	2E	
Quarter1:	NE	Quarter2:	NE	
Quarter3:	SE			
Section1:	9			
Topo:	SOUTH BEND WEST	Subdiv:	Not Reported	
Lotno:	Not Reported			

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Feetns:	0		
Feetns:	0		
Feetew:	0		
Feetwe:	0		
Utmx:	558750		
Utmx:	4613300		
Grnd elev:	714		
Depth:	193		
Bedrock:	521		
bedro 1:	193		
Aquelv:	0		
Static:	5		
Type test:	Not Reported		
Pumprate:	0		
Pumphou:	0		
Pumpdw:	0		
Baillerr:	0		
Baillerh:	0		
Baillerd:	0		
Welltype:	Not Reported	Well use:	Not Reported
Use other:	Not Reported	Method:	Not Reported
Method other:	Not Reported		
Casingl:	0		
Casingd:	0		
Casingm:	Not Reported		
Screent:	0		
Screend:	0		
Screenm:	Not Reported	Slot:	Not Reported
Liner top:	0		
Linerdi:	0		
Pumpset:	0		
Type pump:	Not Reported	Pump other:	Not Reported
Quality:	Not Reported	Groutm:	Not Reported
Groutf:	0		
Groutt:	0		
Methodg:	Not Reported		
Groutba:	0		
Sealing:	Not Reported	Filledf:	Not Reported
Filledt:	Not Reported	Methods:	Not Reported
Sealbag:	0		
Owner:	CITY OF SOUTH BEND	Ownerad:	Not Reported
Ownerzc:	0		
Ownerbx:	Not Reported	Driller:	Not Reported
Drillad:	Not Reported		
Drillzc:	0		
Drilltx:	Not Reported	Operator:	Not Reported
License:	Not Reported	Date co:	02/01/1985
Cbuilde:	Not Reported		
Buildad:	Not Reported		
Buildzc:	0		
Buildtx:	Not Reported	Fieldby:	Not Reported
Field d:	07/24/1986	Courtby:	Not Reported
Court d:	12/05/1961	Classby:	Not Reported
Class date:	12/01/1970	Accwo:	Not Reported
Accwo date:	01/18/1982	County:	ST. JOSEPH
Town:	Not Reported	Rang:	Not Reported
Section:	0		
Clyperm:	Not Reported	Dnrvam:	Not Reported
Water supp:	Not Reported		
Bore hole:	0		
Gravelp:	0	Irregla:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Reserve: Not Reported Reserve: 0
 Site id: INDNR1000139305

K39
ESE
1/2 - 1 Mile
Higher

IN WELLS INDNR1000139722

Refno:	72892		
Comp date:	03/31/1970		
Drive:	120' W OF JACKSON ST 220 N OF WASHINGTONST		
County1:	ST. JOSEPH	Civilt:	PORTAGE
Town1:	37N	Range1:	2E
Quarter1:	SW	Quarter2:	NE
Quarter3:	NE		
Section1:	10		
Topo:	SOUTH BEND WEST	Subdiv:	Not Reported
Lotno:	Not Reported		
Feetsn:	0		
Feets:	0		
Feetew:	0		
Feetwe:	0		
Ulmx:	560250		
Ulm:	4613975		
Grnd elev:	715		
Depth:	160		
Bedrock:	0		
bedro 1:	0		
Aquelv:	555		
Static:	24		
Type test:	Not Reported		
Pumprate:	2260		
Pumphou:	8		
Pumpdw:	36		
Baiferr:	0		
Baiferh:	0		
Baiferd:	0		
Welltype:	Not Reported	Well use:	Not Reported
Use other:	Not Reported	Method:	Not Reported
Method other:	Not Reported		
Casingl:	120		
Casingd:	16		
Casingm:	Not Reported		
Screenl:	40		
Screend:	12		
Screenm:	Not Reported	Slot:	.060
Liner top:	0		
Linerd:	0		
Pumpset:	0		
Type pump:	Not Reported	Pump other:	Not Reported
Quality:	Not Reported	Groutm:	Not Reported
Groutf:	0		
Groutl:	0		
Methodg:	Not Reported		
Groutba:	0		
Sealing:	Not Reported	Filledf:	Not Reported
Filledt:	Not Reported	Methods:	Not Reported
Sealbag:	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Owner:	OBRIEN CORP	Ownerad:	Not Reported
Ownerzc:	0	Driller:	LAYNE NORTHERN CO
Ownertx:	Not Reported	Operator:	PAUL WYATT
Drillad:	MISHAWAKA	Date co:	07/01/1974
Drillzc:	0	Fieldby:	Not Reported
Drilltx:	Not Reported	Courby:	Not Reported
License:	Not Reported	Classby:	HCK
Cbullde:	Not Reported	Accwo:	HCK
Builldad:	Not Reported	County:	ST. JOSEPH
Buillzdc:	0	Rang:	Not Reported
Builldtx:	Not Reported	Dnrvm:	Not Reported
Field d:	09/11/1985	irregla:	Not Reported
Court d:	12/05/1961	Reserve:	0
Class date:	05/01/1970		
Accwo date:	05/01/1970		
Town:	Not Reported		
Section:	0		
Clyperm:	Not Reported		
Water supp:	Not Reported		
Bore hole:	0		
Gravelp:	0		
Reserve:	Not Reported		
Site id:	INDNR1000139722		

**K40
ESE
1/2 - 1 Mile
Higher**

FED USGS USGS2340200

Agency cd:	IN002	Site no:	414038086163401
Site name:	72892 REFERENCE NUMBER FROM IDNR-DOW DATABASE	EDR Site id:	USGS2340200
Latitude:	414038	Dec lat:	41.6772699
Longitude:	0881634	Coor meth:	M
Dec lon:	-86.27611875	Latlong datum:	NAD27
Coor accr:	U	District:	18
Dec latlong datum:	NAD83	County:	141
State:	18	Land net:	Not Reported
Country:	US	Map scale:	24000
Location map:	SOUTH BEND WEST 19B		
Altitude:	715.00		
Altitude method:	Unknown		
Altitude accuracy:	Not Reported		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	St. Joseph, Indiana, Michigan Area = 4670 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19700331
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	QUATERNARY		
Well depth:	160.00	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	441816700		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Peak flow data count: 0
 Water quality data end date: 0000-00-00
 Ground water data begin date: 0000-00-00
 Ground water data count: 0

Water quality data begin date: 0000-00-00
 Water quality data count: 0
 Ground water data end date: 0000-00-00

Ground-water levels, Number of Measurements: 0

41 SSW 1/2 - 1 Mile Higher	Site ID: Groundwater Flow: Water Table Depth: Date:	2827 SE 9.28-10.10 Apr-95	AQUIFLOW	4239
--------------------------------------------	--------------------------------------------------------------	------------------------------------	-----------------	------

J42 SSW 1/2 - 1 Mile Higher			FED USGS	USGS2340380
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Agency cd:	IN002	Site no:	414015086174201
Site name:	37/2E-09J1	EDR Site id:	USGS2340380
Latitude:	414015	Dec lat:	41.6708808
Longitude:	0861742	Coor meth:	M
Dec lon:	-86.29500837	Latlong datum:	NAD27
Coor accr:	T	District:	18
Dec latlong datum:	NAD83	County:	141
State:	18	Land net:	Not Reported
Country:	US	Map scale:	24000
Location map:	SOUTH BEND WEST 19B		
Altitude:	714		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	Not Reported		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Kankakee, Illinois, Indiana, Michigan. Area = 3010 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	193	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	441816700		
Real time data flag:	0		
Daily flow data end date:	0000-00-00	Daily flow data begin date:	0000-00-00
Peak flow data begin date:	0000-00-00	Daily flow data count:	0
Peak flow data count:	0	Peak flow data end date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data begin date:	0000-00-00
Ground water data begin date:	1920-00-00	Water quality data count:	0
Ground water data count:	1	Ground water data end date:	1920-00-00

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1920	5	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

L43
NE
1/2 - 1 Mile
Higher

FED USGS USGS2340072

Agency cd:	IN002	Site no:	414115086164001
Site name:	37/2E-03J1	EDR Site id:	USGS2340072
Latitude:	414115	Dec lat:	41.68754767
Longitude:	0861640	Coor meth:	M
Dec lon:	-86.27778555	Latlong datum:	NAD27
Coor accr:	T	District:	18
Dec latlong datum:	NAD83	County:	141
State:	18	Land net:	Not Reported
Country:	US	Map scale:	24000
Location map:	SOUTH BEND WEST 19B		
Altitude:	712		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	Not Reported		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	St. Joseph, Indiana, Michigan Area = 4670 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19310411
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	129	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	441816700		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1958-04-15
Water quality data end date:	1958-04-15	Water quality data count:	1
Ground water data begin date:	0000-00-00	Ground water data end date:	0000-00-00
Ground water data count:	0		

Ground-water levels, Number of Measurements: 0

L44
NE
1/2 - 1 Mile
Higher

FED USGS USGS2340073

Agency cd:	IN002	Site no:	414115086164002
Site name:	37/2E-03J6	EDR Site id:	USGS2340073
Latitude:	414115	Dec lat:	41.68754767
Longitude:	0861640	Coor meth:	M
Dec lon:	-86.27778555	Latlong datum:	NAD27
Coor accr:	T	District:	18
Dec latlong datum:	NAD83	County:	141
State:	18	Land net:	Not Reported
Country:	US	Map scale:	24000
Location map:	SOUTH BEND WEST 19B		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Altitude:	711		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	Not Reported		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	St. Joseph. Indiana, Michigan Area = 4670 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	187	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	441816700		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	0000-00-00	Ground water data end date:	0000-00-00
Ground water data count:	0		

Ground-water levels, Number of Measurements: 0

45
ESE
1/2 - 1 Mile
Higher

FED USGS USGS2340323

Agency cd:	IN002	Site no:	414034086163101
Site name:	37/2E-10H1	EDR Site id:	USGS2340323
Latitude:	414034	Dec lat:	41.67615879
Longitude:	0861631	Coor meth:	M
Dec lon:	-86.27528537	Latlong datum:	NAD27
Coor accr:	T	District:	18
Dec latlong datum:	NAD83	County:	141
State:	18	Land net:	Not Reported
Country:	US	Map scale:	24000
Location map:	SOUTH BEND WEST 19B		
Altitude:	717		
Altitude method:	interpolated from topographic map		
Altitude accuracy:	Not Reported		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	St. Joseph. Indiana, Michigan Area = 4670 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19530116
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	119	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	441816700		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Peak flow data count: 0
 Water quality data end date: 1960-01-14
 Ground water data begin date: 1953-01-16
 Ground water data count: 1

Water quality data begin date: 1960-01-14
 Water quality data count: 1
 Ground water data end date: 1953-01-16

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1953-01-16	30	

46
 SW
 1/2 - 1 Mile
 Lower

FED USGS USGS2340381

Agency cd:	IN002	Site no:	414015086175201
Site name:	37/2E-09J2	EDR Site id:	USGS2340381
Latitude:	414015	Dec lat:	41.67088077
Longitude:	0861752	Coor meth:	M
Dec lon:	-86.29778826	Latlong datum:	NAD27
Coor accr:	T	District:	18
Dec latlong datum:	NAD83	County:	141
State:	18	Land net:	Not Reported
Country:	US	Map scale:	24000
Location map:	SOUTH BEND WEST 19B		
Altitude:	714		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	Not Reported		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Kankakee, Illinois, Indiana, Michigan. Area = 3010 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	200	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	441816700		
Real time data flag:	0		
Daily flow data begin date:	0000-00-00	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1920-00-00	Ground water data end date:	1920-00-00
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1920	4	

47
 SSW
 1/2 - 1 Mile
 Higher

FED USGS USGS2340359

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	IN002	Site no:	414008086173301
Site name:	377E-10N3	EDR Site id:	USGS2340359
Latitude:	414008	Dec lat:	41.66893638
Longitude:	0861733	Coord meth:	M
Dec lon:	-86.29250825	Latlong datum:	NAD27
Coord accr:	T	District:	18
Dec latlong datum:	NAD83	County:	141
State:	18	Land net:	Not Reported
Country:	US	Map scale:	24000
Location map:	SOUTH BEND WEST 19B		
Altitude:	715		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	Not Reported		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	St. Joseph, Indiana, Michigan Area = 4670 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	198	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	441816700		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	0000-00-00	Ground water data end date:	0000-00-00
Ground water data count:	0		

Ground-water levels, Number of Measurements: 0

M48
SE
1/2 - 1 Mile
Higher

IN WELLS

INDNR1000139450

Refno:	72897	Civilt:	Not Reported
Comp date:	08/06/1934	Range1:	2E
Drive:	Not Reported	Quarter2:	SE
County1:	ST. JOSEPH		
Town1:	37N	Subdiv:	Not Reported
Quarter1:	SW		
Quarter3:	NE		
Section1:	10		
Topo:	SOUTH BEND WEST		
Lotno:	Not Reported		
Feetns:	0		
Feetw:	0		
Feetwe:	0		
Utmx:	560250		
Utmy:	4613550		
Grnd elev:	716		
Depth:	118		
Bedrock:	0		
bedro 1:	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquelv:	598		
Static:	0		
Type test:	Not Reported		
Pumprate:	0		
Pumphou:	0		
Pumpdw:	0		
Baillerr:	0		
Baillerh:	0		
Baillerd:	0		
Welltype:	Not Reported	Well use:	INDUSTRY
Use other:	Not Reported	Method:	Not Reported
Method other:	Not Reported		
Casingl:	88		
Casingd:	18		
Casingm:	Not Reported		
Screenl:	25		
Screend:	18		
Screenm:	Not Reported	Slot:	5
Liner top:	0		
Linerdi:	0		
Pumpset:	0		
Type pump:	Not Reported	Pump other:	Not Reported
Quality:	Not Reported	Groutm:	Not Reported
Groutf:	0		
Groutt:	0		
Methodg:	Not Reported		
Groutba:	0		
Sealing:	Not Reported	Filledf:	Not Reported
Filledt:	Not Reported	Methods:	Not Reported
Sealbag:	0		
Owner:	SINGER MANUFACTURING	Ownerad:	SOUTH BEND, IN
Ownerzc:	0		
Ownertx:	Not Reported	Driller:	LAYNE-NORTHERN CO.
Drillad:	Not Reported		
Drillzc:	0		
Drilltx:	Not Reported	Operator:	Not Reported
License:	Not Reported	Date co:	06/01/1982
Cbuilde:	Not Reported		
Builldad:	Not Reported		
Builldzc:	0		
Builldtx:	Not Reported	Fieldby:	Not Reported
Field d:	06/01/1985	Courtby:	Not Reported
Court d:	12/05/1961	Classby:	Not Reported
Class date:	05/01/1970	Accwo:	Not Reported
Accwo date:	05/01/1970	County:	ST. JOSEPH
Town:	Not Reported	Rang:	Not Reported
Section:	0		
Clyperm:	Not Reported	Dnrvam:	Not Reported
Water supp:	Not Reported		
Bore hole:	0		
Gravelp:	0	Irregla:	Not Reported
Reserve:	Not Reported	Reserve:	0
Site id:	INDNR1000139450		

M49
SE
1/2 - 1 Mile
Higher

FED USGS USGS2340421

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	IN002	Site no:	414024086163401
Site name:	72897 REFERENCE NUMBER FROM IDNR-DOW DATABASE		
Latitude:	414024	EDR Site Id:	USGS2340421
Longitude:	0861634	Dec lat:	41.673381
Dec lon:	-86.27611872	Coor meth:	M
Coor accr:	U	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	18
State:	18	County:	141
Country:	US	Land net:	Not Reported
Location map:	SOUTH BEND WEST 19B	Map scale:	24000
Altitude:	716.00		
Altitude method:	Unknown		
Altitude accuracy:	Not Reported		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	St. Joseph, Indiana, Michigan Area = 4670 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	QUATERNARY		
Well depth:	118.00	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	441816700		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

50 SE 1/2 - 1 Mile Higher	Site ID:	7265		
	Groundwater Flow:	FLAT	AQUIFLOW	4258
	Water Table Depth:	13.91-14.76		
	Date:	Apr-96		

51 NNW 1/2 - 1 Mile Higher	Site ID:	12731		
	Groundwater Flow:	FLAT	AQUIFLOW	4267
	Water Table Depth:	41.48-46.62		
	Date:	Sep-95		

N52 NE 1/2 - 1 Mile Higher			FED USGS	USGS2340069
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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	IN002	Site no:	414115086163101
Site name:	37/2E-03J3	EDR Site id:	USGS2340069
Latitude:	414115	Dec lat:	41.6875477
Longitude:	0861631	Coor meth:	M
Dec lon:	-86.27528545	Lalng datum:	NAD27
Coor accr:	T	District:	18
Dec lalng datum:	NAD83	County:	141
State:	18	Land net:	Not Reported
Country:	US	Map scale:	24000
Location map:	SOUTH BEND WEST 19B		
Altitude:	712		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	Not Reported		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	St. Joseph, Indiana, Michigan Area = 4670 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19340524
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	133	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	441816700		
Real time data flag:	0		
Daily flow data end date:	0000-00-00	Daily flow data begin date:	0000-00-00
Peak flow data begin date:	0000-00-00	Daily flow data count:	0
Peak flow data count:	0	Peak flow data end date:	0000-00-00
Water quality data end date:	1934-05-17	Water quality data begin date:	1934-05-17
Ground water data begin date:	1934-05-24	Water quality data count:	1
Ground water data count:	1	Ground water data end date:	1934-05-24

Ground-water levels, Number of Measurements: 1

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

**N53
NE
1/2 - 1 Mile
Higher**

FED USGS USGS2340070

Agency cd:	IN002	Site no:	414115086163102
Site name:	37/2E-03J4	EDR Site id:	USGS2340070
Latitude:	414115	Dec lat:	41.6875477
Longitude:	0861631	Coor meth:	M
Dec lon:	-86.27528545	Lalng datum:	NAD27
Coor accr:	T	District:	18
Dec lalng datum:	NAD83	County:	141
State:	18	Land net:	Not Reported
Country:	US	Map scale:	24000
Location map:	SOUTH BEND WEST 19B		
Altitude:	712		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	Not Reported		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	St. Joseph, Indiana, Michigan Area = 4670 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19460815
Date inventoried:	Not Reported	Mean greenwich time offset:	EST

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	147	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	441816700		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	0000-00-00	Ground water data end date:	0000-00-00
Ground water data count:	0		

Ground-water levels, Number of Measurements: 0

N54
NE
1/2 - 1 Mile
Higher

FED USGS USGS2340071

Agency cd:	IN002	Site no:	414115086163103
Site name:	37/2E-03J5	EDR Site id:	USGS2340071
Latitude:	414115	Dec lat:	41.6875477
Longitude:	0861631	Coord meth:	M
Dec lon:	-86.27528545	Latlong datum:	NAD27
Coord accr:	T	District:	18
Dec latlong datum:	NAD83	County:	141
State:	18	Land net:	Not Reported
Country:	US	Map scale:	24000
Location map:	SOUTH BEND WEST 19B		
Altitude:	712		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	Not Reported		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	St. Joseph, Indiana, Michigan Area = 4870 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19460205
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	151	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	441816700		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1946-02-05	Ground water data end date:	1946-02-05
Ground water data count:	1		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 1

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

55
South
1/2 - 1 Mile
Higher

FED USGS USGS2340480

Agency cd:	IN002	Site no:	414001086171501
Site name:	37/2E-10P1	EDR Site id:	USGS2340480
Latitude:	414001	Dec lat:	41.86699198
Longitude:	0861715	Coor meth:	M
Dec lon:	-86.28750803	Latlong datum:	NAD27
Coor accr:	T	District:	18
Dec latlong datum:	NAD83	County:	141
State:	18	Land net:	Not Reported
Country:	US	Map scale:	24000
Location map:	SOUTH BEND WEST 19B		
Altitude:	714		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	Not Reported		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	St. Joseph, Indiana, Michigan Area = 4670 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	184	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	441816700		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1920-00-00	Ground water data end date:	1920-00-00
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1920	8	

056
SSW
1/2 - 1 Mile
Higher

FED USGS USGS2340482

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	IN002	Site no:	414001086173402
Site name:	37/2E-10N2	EDR Site id:	USGS2340482
Latitude:	414001	Dec lat:	41.66699193
Longitude:	0861734	Coor meth:	M
Dec lon:	-86.29278603	Latlong datum:	NAD27
Coor accr:	T	District:	18
Dec latlong datum:	NAD83	County:	141
State:	18	Land net:	Not Reported
Country:	US	Map scale:	24000
Location map:	SOUTH BEND WEST 19B		
Altitude:	715		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	Not Reported		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Kankakee, Illinois, Indiana, Michigan. Area = 3010 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwlch time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	182	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	441816700		
Real time data flag:	0		
Daily flow data end date:	0000-00-00	Daily flow data begin date:	0000-00-00
Peak flow data begin date:	0000-00-00	Daily flow data count:	0
Peak flow data count:	0	Peak flow data end date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data begin date:	0000-00-00
Ground water data begin date:	0000-00-00	Water quality data count:	0
Ground water data count:	0	Ground water data end date:	0000-00-00

Ground-water levels, Number of Measurements: 0

O57
SSW
1/2 - 1 Mile
Higher

FED USGS USGS2340481

Agency cd:	IN002	Site no:	414001086173401
Site name:	37/2E-10N1	EDR Site id:	USGS2340481
Latitude:	414001	Dec lat:	41.66699193
Longitude:	0861734	Coor meth:	M
Dec lon:	-86.29278603	Latlong datum:	NAD27
Coor accr:	T	District:	18
Dec latlong datum:	NAD83	County:	141
State:	18	Land net:	Not Reported
Country:	US	Map scale:	24000
Location map:	SOUTH BEND WEST 19B		
Altitude:	715		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	Not Reported		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Kankakee, Illinois, Indiana, Michigan. Area = 3010 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Local standard time flag: N
 Type of ground water site: Single well, other than collector or Ranney type
 Aquifer Type: Not Reported
 Aquifer: Not Reported
 Well depth: 194 Hole depth: Not Reported
 Source of depth data: Not Reported
 Project number: 441816700
 Real time data flag: 0 Daily flow data begin date: 0000-00-00
 Daily flow data end date: 0000-00-00 Daily flow data count: 0
 Peak flow data begin date: 0000-00-00 Peak flow data end date: 0000-00-00
 Peak flow data count: 0 Water quality data begin date: 0000-00-00
 Water quality data end date: 0000-00-00 Water quality data count: 0
 Ground water data begin date: 1920-00-00 Ground water data end date: 1920-00-00
 Ground water data count: 1

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1920	5	

58
 ENE
 1/2 - 1 Mile
 Higher

FED USGS USGS2340100

Agency cd: IN002 Site no: 414117086162401
 Site name: 3772E-02M1
 Latitude: 414117 EDR Site id: USGS2340100
 Longitude: 0861624 Dec lat: 41.68810328
 Dec lon: -86.27334093 Coor meth: M
 Coor accr: T Latlong datum: NAD27
 Dec latlong datum: NAD83 District: 18
 State: 18 County: 141
 Country: US Land net: Not Reported
 Location map: SOUTH BEND WEST 19B Map scale: 24000
 Altitude: 709
 Altitude method: Interpolated from topographic map
 Altitude accuracy: Not Reported
 Altitude datum: National Geodetic Vertical Datum of 1929
 Hydrologic: St. Joseph, Indiana, Michigan Area = 4670 sq.mi.
 Topographic: Not Reported
 Site type: Ground-water other than Spring Date construction: Not Reported
 Date inventoried: Not Reported Mean greenwich time offset: EST
 Local standard time flag: N
 Type of ground water site: Single well, other than collector or Ranney type
 Aquifer Type: Not Reported
 Aquifer: Not Reported
 Well depth: 215 Hole depth: Not Reported
 Source of depth data: Not Reported
 Project number: 441816700
 Real time data flag: 0 Daily flow data begin date: 0000-00-00
 Daily flow data end date: 0000-00-00 Daily flow data count: 0
 Peak flow data begin date: 0000-00-00 Peak flow data end date: 0000-00-00
 Peak flow data count: 0 Water quality data begin date: 0000-00-00
 Water quality data end date: 0000-00-00 Water quality data count: 0
 Ground water data begin date: 1920-00-00 Ground water data end date: 1920-00-00
 Ground water data count: 1

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1920	25	

59 SW 1/2 - 1 Mile Higher	Site ID:	15454		
	Groundwater Flow:	NOT REPORTED	AQUIFLOW	4272
	Water Table Depth:	12-13		
	Date:	Sep-97		

P60 South 1/2 - 1 Mile Higher		IN WELLS	INDNR1000138934
	Refno:	72877	

Comp date:	01/01/1921		
Drive:	FROM USGS BULLETIN #3 SJ 6-8A SAMPLE STREET AND CAMDEN STREET		
County1:	ST. JOSEPH	Civil:	Not Reported
Town1:	37N	Range1:	2E
Quarter1:	SW	Quarter2:	SW
Quarter3:	SW		
Section1:	10		
Topo:	SOUTH BEND WEST	Subdiv:	Not Reported
Lotno:	Not Reported		
Feetns:	0		
Feetsn:	0		
Feetaw:	0		
Feetwe:	0		
Utmx:	559100		
Utmy:	4612775		
Grnd elev:	716		
Depth:	194		
Bedrock:	528		
bedro 1:	188		
Aquelv:	0		
Static:	5		
Type test:	Not Reported		
Pumprate:	0		
Pumphou:	0		
Pumpdw:	0		
Bailerr:	0		
Bailerh:	0		
Bailerd:	0		
Welltype:	D	Well use:	Not Reported
Use other:	Not Reported	Method:	Not Reported
Method other:	Not Reported		
Casingl:	0		
Casingd:	0		
Casingm:	Not Reported		
Screenl:	0		
Screend:	0		
Screenm:	Not Reported	Slot:	Not Reported
Liner top:	0		
Linerd:	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pumpset:	0	Pump other:	Not Reported
Type pump:	Not Reported	Groutm:	Not Reported
Quality:	Not Reported		
Groutf:	0		
Groutt:	0		
Methodg:	Not Reported		
Groutba:	0		
Sealing:	Not Reported	Filledf:	Not Reported
Filledt:	Not Reported	Methods:	Not Reported
Sealbag:	0		
Owner:	CITY OF SOUTH BEND	Ownerad:	Not Reported
Ownerzc:	0		
Ownerbx:	Not Reported	Driller:	Not Reported
Drillad:	Not Reported		
Drillzc:	0		
Drillbx:	Not Reported	Operator:	Not Reported
License:	Not Reported	Date co:	01/01/1985
Chulde:	Not Reported		
Buildad:	Not Reported		
Buildzc:	0		
Buildbx:	Not Reported	Fieldby:	Not Reported
Field d:	07/24/1986	Courtby:	Not Reported
Court d:	12/05/1961	Classby:	Not Reported
Class date:	07/01/1966	Accwo:	Not Reported
Accwo date:	03/22/1983	County:	ST. JOSEPH
Town:	Not Reported	Rang:	Not Reported
Section:	0		
Ctyperm:	Not Reported	Dnrvam:	Not Reported
Water supp:	Not Reported		
Bore hole:	0		
Gravelp:	0	Irregla:	Not Reported
Reserve:	Not Reported	Reserve:	0
Site id:	INDNR1000138934		

**Q61
NNW
1/2 - 1 Mile
Higher**

FED USGS USGS2339892

Agency cd:	IN002	Site no:	414140086173401
Site name:	37/2E-03D1	EDR Site id:	USGS2339892
Latitude:	414140	Dec lat:	41.69449198
Longitude:	0861734	Coor meth:	M
Dec lon:	-86.29278624	Latlong datum:	NAD27
Coor accr:	T	District:	18
Dec latlong datum:	NAD83	County:	141
State:	18	Land net:	Not Reported
Country:	US	Map scale:	24000
Location map:	SOUTH BEND WEST 19B		
Altitude:	700		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	Not Reported		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	St. Joseph, Indiana, Michigan Area = 4670 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19291128
Date inventoried:	Not Reported	Mean greenwich time offset:	EST

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	145	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	441816700		
Real time data flag:	Not Reported		
Daily flow data end date:	Not Reported		
Peak flow data begin date:	Not Reported		
Peak flow data count:	Not Reported		
Water quality data end date:	Not Reported		
Ground water data begin date:	Not Reported		
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

P62
South
1/2 - 1 Mile
Higher

FED USGS USGS2340471

Agency cd:	IN002	Site no:	413959086172401
Site name:	72877 REFERENCE NUMBER FROM IDNR-DOW DATABASE		
Latitude:	413959	EDR Site id:	USGS2340471
Longitude:	0861724	Dec lat:	41.6664364
Dec lon:	-86.29000813	Coor meth:	M
Coor accr:	U	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	18
State:	18	County:	141
Country:	US	Land net:	Not Reported
Location map:	SOUTH BEND WEST 19B	Map scale:	24000
Altitude:	716.00		
Altitude method:	Unknown		
Altitude accuracy:	Not Reported		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	St. Joseph, Indiana, Michigan Area = 4670 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19210101
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	194.00	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	441816700		
Real time data flag:	0		
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	0000-00-00	Ground water data end date:	0000-00-00
Ground water data count:	0		

Ground-water levels, Number of Measurements: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

Q63
NNW
1/2 - 1 Mile
Higher

FED USGS USGS2339899

Agency cd:	IN002	Site no:	414141086173402
Site name:	37/2E-03D2	EDR Site id:	USGS2339899
Latitude:	414141	Dec lat:	41.69476975
Longitude:	0861734	Coor meth:	M
Dec lon:	-86.29278624	Latlong datum:	NAD27
Coor accr:	T	District:	18
Dec latlong datum:	NAD83	County:	141
State:	18	Land net:	Not Reported
Country:	US	Map scale:	24000
Locallon map:	SOUTH BEND WEST 19B		
Altitude:	700		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	Not Reported		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	St. Joseph, Indiana, Michigan Area = 4670 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19400328
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	156	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	441816700		
Real time data flag:	0		
Daily flow data end date:	0000-00-00	Daily flow data begin date:	0000-00-00
Peak flow data begin date:	0000-00-00	Daily flow data count:	0
Peak flow data count:	0	Peak flow data end date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data begin date:	0000-00-00
Ground water data begin date:	1940-03-28	Water quality data count:	0
Ground water data count:	1	Ground water data end date:	1940-03-28

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1940-03-28	26	

Q64
NNW
1/2 - 1 Mile
Higher

FED USGS USGS2339901

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	IN002	Site no:	414141086173404
Site name:	37/2E-03D4		
Latitude:	414141	EDR Site id:	USGS2339901
Longitude:	0861734	Dec lat:	41.69476975
Dec lon:	-86.29278624	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	18
State:	18	County:	141
Country:	US	Land net:	Not Reported
Location map:	SOUTH BEND WEST 19B	Map scale:	24000
Altitude:	700		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	Not Reported		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	St. Joseph, Indiana, Michigan Area = 4670 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19540305
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	147	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	441816700		
Real time data flag:	0		
Daily flow data end date:	0000-00-00	Daily flow data begin date:	0000-00-00
Peak flow data begin date:	0000-00-00	Daily flow data count:	0
Peak flow data end date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1954-03-05	Ground water data end date:	1954-03-05
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1954-03-05	35	

Q65
NNW
1/2 - 1 Mile
Higher

FED USGS USGS2339900

Agency cd:	IN002	Site no:	414141086173403
Site name:	37/2E-03D3		
Latitude:	414141	EDR Site id:	USGS2339900
Longitude:	0861734	Dec lat:	41.69476975
Dec lon:	-86.29278624	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	18
State:	18	County:	141
Country:	US	Land net:	Not Reported
Location map:	SOUTH BEND WEST 19B	Map scale:	24000
Altitude:	700		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	Not Reported		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	St. Joseph, Indiana, Michigan Area = 4670 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19490805
Date inventoried:	Not Reported	Mean greenwich time offset:	EST

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	157	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	441816700		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1958-04-15
Water quality data end date:	1958-04-15	Water quality data count:	1
Ground water data begin date:	0000-00-00	Ground water data end date:	0000-00-00
Ground water data count:	0		

Ground-water levels, Number of Measurements: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: IN Radon

Radon Test Results

Zipcode	Year	Test Type	Location	Result
46628	2002	Short Term	Basement	0.8
46628	1997	Short Term	Basement	1.8
46628	1997	Short Term	Basement	3.7
46628	1994	Short Term	Other	4.1
46628	0	Unknown	Other	1.4
46628	0	Unknown	Other	2.6
46628	0	Unknown	Other	1.0
46628	0	Unknown	Other	3.6
46628	0	Unknown	Other	3.1
46628	2000	Short Term	Basement	2.0
46628	0	Unknown	Other	2.5
46628	0	Unknown	Other	4.2
46628	0	Unknown	Other	2.9
46628	0	Unknown	Other	0.8
46628	1999	Long Term	Basement	0.2
46628	2000	Long Term	Other	0.4
46628	2000	Short Term	Other	1.7
46628	2000	Short Term	Other	2.7
46628	1994	Short Term	Other	9.9
46628	1994	Short Term	Other	2.4
46628	1994	Short Term	Other	2.0
46628	0	Short Term	Basement	3.1
46628	0	Short Term	Basement	13.8
46628	0	Short Term	Other	0.2
46628	0	Short Term	Basement	1.2
46628	0	Short Term	Basement	1.2
46628	2000	Short Term	Other	0.7
46628	2000	Short Term	Basement	0.9
46628	1997	Short Term	Basement	3.7
46628	1997	Short Term	Basement	1.2
46628	1997	Short Term	Basement	4.4
46628	1997	Short Term	Basement	1.3
46628	1997	Short Term	Basement	3.9
46628	1997	Short Term	1st Floor	3.1
46628	1997	Short Term	1st Floor	2.4
46628	1997	Short Term	1st Floor	2.5
46628	1997	Short Term	1st Floor	2.7
46628	1997	Short Term	Basement	1.2
46628	1997	Short Term	Basement	4.5
46628	1997	Short Term	Basement	4.7
46628	1997	Short Term	Basement	12.9
46628	2000	Short Term	Basement	4.1
46628	2000	Short Term	Basement	4.1
46628	1997	Short Term	Other	0.6
46628	1997	Short Term	Other	0.8
46628	1997	Short Term	Other	0.6
46628				

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

46628	1997	Short Term	Other	4.8
46628	1997	Post-Mitigation	Other	1.3
46628	2000	Post-Mitigation	Basement	1.2
46628	2000	Short Term	Basement	6.5
46628	2000	Short Term	Basement	1.0
46628	2003	Short Term	Basement	2.6
46628	2004	Short Term	Basement	13.1
46628	2004	Short Term	Basement	3.0
46628	2004	Short Term	Basement	21.0
46628	2004	Short Term	Basement	2.3
46628	2004	Short Term	Basement	13.5
46628	2004	Short Term	Basement	17.7
46628	2004	Short Term	Basement	1.1
46628	2004	Short Term	Basement	2.3
46628	2004	Short Term	Basement	10.6
46628	2004	Short Term	Basement	3.4
46628	2004	Short Term	Basement	5.7
46628	2004	Short Term	Basement	8.2
46628	2004	Short Term	Basement	4.2
46628	2004	Short Term	Basement	10.8
46628	2004	Short Term	Basement	1.7
46628	2004	Short Term	Basement	2.6
46628	2004	Short Term	Basement	4.8
46628	2004	Short Term	Basement	1.9
46628	2003	Short Term	Basement	46.4
46628	2003	Short Term	Basement	42.9
46628	2003	Short Term	Basement	8.3
46628	2003	Short Term	Basement	8.1
46628	2003	Short Term	Basement	4.7
46628	2003	Short Term	Basement	4.2
46628	2003	Short Term	Basement	1.9
46628	2003	Short Term	Basement	1.8
46628	2003	Short Term	Basement	0.8
46628	2003	Short Term	Basement	0.7
46628	2003	Short Term	Basement	2.6
46628	2001	Short Term	Basement	15.3
46628	2001	Short Term	Basement	14.5
46628	2001	Short Term	Basement	17.4
46628	2001	Short Term	Basement	7.5
46628	2001	Short Term	Basement	8.4
46628	2001	Short Term	Basement	0.3
46628	2001	Short Term	0	4.2
46628	2001	Short Term	Basement	4.4
46628	2001	Post-Mitigation	Basement	1.0
46628	2001	Short Term	Basement	13.3
46628	2001	Short Term	Basement	0.9
46628	2001	Short Term	Basement	2.8
46628	2001	Short Term	Basement	15.1
46628	2000	Short Term	Basement	0.2
46628	2000	Short Term	Basement	2.7
46628	2002	Short Term	Basement	7.3
46628	2002	Short Term	Basement	2.8
46628	2002	Short Term	Basement	2.7
46628	2002	Short Term	Basement	4.4
46628	2002	Short Term	Basement	8.1
46628	2002	Short Term	Basement	2.7
46628				

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

46628	2002	Short Term	Basement	1.3
46628	2002	Short Term	Basement	1.5
46628	2002	Short Term	Basement	1.3
46628	2002	Short Term	Basement	1.3
46628	2000	Short Term	Basement	0.2
46628	2000	Short Term	Basement	2.7
46628	2002	Short Term	Basement	7.3
46628	2002	Short Term	Basement	2.8
46628	2002	Short Term	Basement	2.7
46628	2002	Short Term	Basement	4.4
46628	2002	Short Term	Basement	8.1
46628	2002	Short Term	Basement	2.7
46628	2002	Short Term	Basement	1.3
46628	2002	Short Term	Basement	1.5
46628	2002	Short Term	Basement	1.3
46628	2002	Short Term	Basement	1.3
46628	2001	Short Term	Basement	1.6
46628	2003	Short Term	1st Floor	8.2
46628	2003	Short Term	1st Floor	6.3
46628	2003	Short Term	1st Floor	4.6
46628	2003	Short Term	1st Floor	12.2
46628	2003	Short Term	1st Floor	5.1
46628	2003	Short Term	1st Floor	5.6
46628	2002	Short Term	1st Floor	1.4
46628	2002	Short Term	1st Floor	0.6
46628	2002	Short Term	1st Floor	5.8
46628	2002	Short Term	1st Floor	3.7
46628	2002	Short Term	1st Floor	0.7

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: 46628

Number of sites tested: 12

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	1.350 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	5.758 pCi/L	67%	25%	8%

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 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 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 and 2005 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R 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.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

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.

STATE RECORDS

Public Water Supply Wells

Source: Department of Environmental Management

Telephone: 317-308-3323

Community and non-community drinking water wells.

Water Wells Database

Source: Indiana Geological Survey

Telephone: 812-855-7636

Shows data points that represent water wells contained in the Lithologic database, which is derived from the water well database of the Indiana Department of Natural Resources

OTHER STATE DATABASE INFORMATION

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

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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APPENDIX E
ENVIRONMENTAL RECORDS AND INTERVIEW DOCUMENTATION

WEAVER BOOS CONSULTANTS NORTH CENTRAL, LLC
Environmental Site Assessment
Transaction Screen Questionnaire

This questionnaire is based upon the American Society for Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments: Transaction Screen Process (E1528-00).

The following questions should be asked of (1) the current owner of the property, (2) any major occupant of the property or, if the property does not have any major occupants, at least 10% of the occupants of the property, and (3) in addition to the current owner and the occupants identified in (2), any occupant likely to be using, treating, generating, storing or disposing of hazardous substances or petroleum products on or from the property. A major occupant is any occupant using at least 40% of the leasable area of the property or any anchor tenant when the property is a shopping center. In a multifamily property containing both residential and commercial uses, the preparer does not need to ask questions of the residential occupants. Weaver Boos requests that the respondent sign the last page of the form which affirms that the respondent has answered all questions to the best of the respondent's actual knowledge and in good faith.

INSPECTION DATA

Property Address 401 N Bendix Dr
 City South Bend County St Joseph State IN Zip 46628
 Property is Vacant Land Improved
 Respondent's Name Mark Walker Date 10/11/11
 Company Robert Bosch LLC Title Lender - H, S & E
 Address 401 N. Bendix Dr
 City SOUTH BEND State IN Zip 46628
 Phone 574 237 5638 Fax 574 237 3844

1. Is the property or any adjoining property used for an industrial use?
 Owner: Yes No Unknown
 Occupants (if applicable): Yes No Unknown
 Observed During Site Visit: Yes No Unknown

2. To the best of your knowledge, has the property or any adjoining property been used for an industrial use in the past?
 Owner: Yes No Unknown
 Occupants (if applicable): Yes No Unknown
 Observed During Site Visit: Yes No Unknown

3. Is the property or any adjoining property used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility?
 Owner: Yes No Unknown
 Occupants (if applicable): Yes No Unknown
 Observed During Site Visit: Yes No Unknown
 If yes, please indicate which type of use: _____

4. To the best of your knowledge has the property or any adjoining property been used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage disposal, processing, or recycling facility?
 Owner: Yes No Unknown
 Occupants (if applicable): Yes No Unknown
 Observed During Site Visit: Yes No Unknown
 If yes, please indicate which type of use: _____

LAND ISSUES

5. Are there currently, or to the best of your knowledge have there been previously, any damaged or discarded automotive or industrial batteries, or pesticides, paints, or other chemicals in individual containers of greater than 5 gal (19L) in volume or 50 gal (190L) in the aggregate, stored on or used at the property or at the facility?

Owner: Yes No Unknown

Occupants (if applicable): Yes No Unknown

Observed During Site Visit: Yes No Unknown

6. Are there currently, or to the best of your knowledge have there been previously, any industrial drums (typically 55 gal (208L)) or sacks of chemicals located on the property or at the facility?

Owner: Yes No Unknown

Occupants (if applicable): Yes No Unknown

Observed During Site Visit: Yes No Unknown

7. Did you observe evidence or do you have prior knowledge that fill dirt has been brought onto the property that originated from a contaminated site or that is of an unknown origin?

Owner: Yes No Unknown

Occupants (if applicable): Yes No Unknown

Observed During Site Visit: Yes No Unknown

8. Are there currently, or to the best of your knowledge have there been previously, any pits, ponds, or lagoons located on the property in connection with waste treatment or waste disposal?

Owner: Yes No Unknown

Occupants (if applicable): Yes No Unknown

Observed During Site Visit: Yes No Unknown

9. Is there currently, or to the best of your knowledge has there been previously, any stained soil on the property?

Owner: Yes No Unknown

Occupants (if applicable): Yes No Unknown

Observed During Site Visit: Yes No Unknown

10. Are there currently, or to the best of your knowledge have there been previously, any registered or unregistered storage tanks (above or underground) located on the property?

Owner: Yes No Unknown

Occupants (if applicable): Yes No Unknown

Observed During Site Visit: Yes No Unknown

11. Are there currently, or to the best of your knowledge have there been previously, any vent pipes, fill pipes, or access ways indicating a fill pipe protruding from the ground on the property or adjacent to any structure located on the property?

Owner: Yes No Unknown

Occupants (if applicable): Yes No Unknown

Observed During Site Visit: Yes No Unknown

12. Is there currently, or to the best of your knowledge have there been previously, any evidence of leaks, spills, or staining by substances other than water, or foul odors, associated with any flooring, drains, walls, ceilings, or exposed grounds on the property?

Owner: Yes ___ No ___ Unknown ___
Occupants (if applicable): Yes ___ No Unknown ___
Observed During Site Visit: Yes ___ No ___ Unknown ___

13. If the property is served by a private well or non-public water system, have contaminants been identified in the well or system that exceed guidelines applicable to the water system or has the well been designated as contaminated by any government environmental/health agency?

Owner: Yes ___ No ___ Unknown ___
Occupants (if applicable): Yes ___ No ___ Unknown ___ N/A
Observed During Site Visit: Yes ___ No ___ Unknown ___

14. Does the owner or occupant of the property have any knowledge of environmental liens or governmental notification relating to past or recurrent violations of environmental laws with respect to the property or any facility located on the property?

Owner: Yes ___ No ___ Unknown ___
Occupants (if applicable): Yes ___ No ___ Unknown
Observed During Site Visit: Yes ___ No ___ Unknown ___

15. Has the owner or occupant of the property been informed of the past or current existence of hazardous substances or petroleum products or environmental violations with respect to the property or any facility located on the property?

Owner: Yes ___ No ___ Unknown ___
Occupants (if applicable): Yes No ___ Unknown ___
Observed During Site Visit: Yes ___ No ___ Unknown ___

16. Does the owner or occupant of the property have any knowledge of any environmental site assessment of the property or facility that indicated the presence of hazardous substances or petroleum products on, or contamination of, the property or recommended further assessment of the property?

Owner: Yes ___ No ___ Unknown ___
Occupants (if applicable): Yes No ___ Unknown ___
Observed During Site Visit: Yes ___ No ___ Unknown ___

17. Does the owner or occupant of the property know of any past, threatened, or pending lawsuits or administrative proceedings concerning a release or threatened release of any hazardous substance or petroleum products involving the property by any owner or occupant of the property?

Owner: Yes ___ No ___ Unknown ___
Occupants (if applicable): Yes ___ No Unknown ___
Observed During Site Visit: Yes ___ No ___ Unknown ___

18.

Does the owner or occupant of the property have any knowledge of any of the environmental documents noted below:

• Prior environmental audit reports

Owner
Yes No Unknown

Occupants (if applicable):
Yes No Unknown

Observed During Site Visit:
Yes No Unknown

• Environmental permits

Owner
Yes No Unknown

Occupants (if applicable):
Yes No Unknown

Observed During Site Visit:
Yes No Unknown

• Material Safety Data Sheets (MSDS)

Owner
Yes No Unknown

Occupants (if applicable):
Yes No Unknown

Observed During Site Visit:
Yes No Unknown

• The property's community right-to-know plan

Owner
Yes No Unknown

Occupants (if applicable):
Yes No Unknown

Observed During Site Visit:
Yes No Unknown

• Spill prevention and other safety/preparedness plans

Owner
Yes No Unknown

Occupants (if applicable):
Yes No Unknown

Observed During Site Visit:
Yes No Unknown

• Reports regarding hydrogeologic conditions on the property and/or the surrounding area

Owner
Yes No Unknown

Occupants (if applicable):
Yes No Unknown

Observed During Site Visit:
Yes No Unknown

• Hazardous waste generator notices or reports

Owner
Yes No Unknown

Occupants (if applicable):
Yes No Unknown

Observed During Site Visit:
Yes No Unknown

• Geotechnical studies

Owner
Yes No Unknown

Occupants (if applicable):
Yes No Unknown

Observed During Site Visit:
Yes No Unknown

19. Does the property discharge waste water (not including sanitary waste or stormwater) on or adjacent to the property and/or into a stormwater or sanitary sewer system?

Owner: Yes ___ No ___ Unknown ___

Occupants (if applicable): Yes ___ No Unknown ___

Observed During Site Visit: Yes ___ No ___ Unknown ___

20. To the best of your knowledge, have any hazardous substances or petroleum products, unidentified waste materials, tires, automotive or industrial batteries or any other waste materials been dumped above grade, buried and/or burned on the property?

Owner: Yes ___ No ___ Unknown ___

Occupants (if applicable): Yes ___ No Unknown ___

Observed During Site Visit: Yes ___ No ___ Unknown ___

21. Is there a transformer, capacitor, or any hydraulic equipment for which there are any records indicating the presence of PCBs?

Owner: Yes ___ No ___ Unknown ___

Occupants (if applicable): Yes ___ No Unknown ___

Observed During Site Visit: Yes ___ No ___ Unknown ___

The preparer of the transaction screen questionnaire must complete and sign the following statement.

This questionnaire was completed by:

Name Mark Walker

Title Leader - Health, Safety & Environmental

Firm Robert Bosch LLC

Address 401 N. Bendiv Dr
South Bend IN 46628

Phone Number 574 237 5688

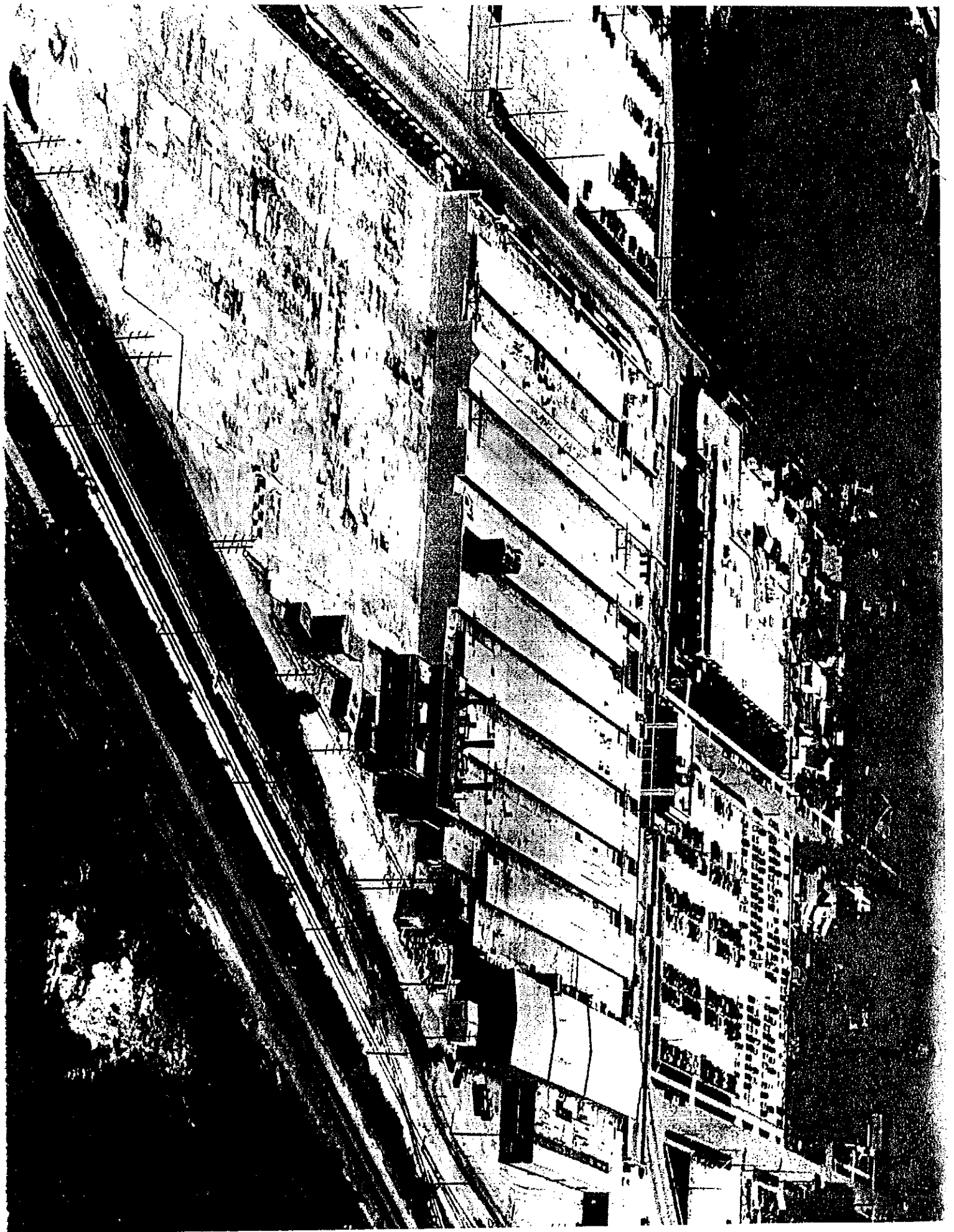
Date 10/11/11

Preparer represents that to the best of the preparer's knowledge the above statements and facts are true and correct and to the best of the preparer's actual knowledge, no material facts have been suppressed or misstated.

Print Name Mark Walker

Signature Mark Walker Date 10/11/11

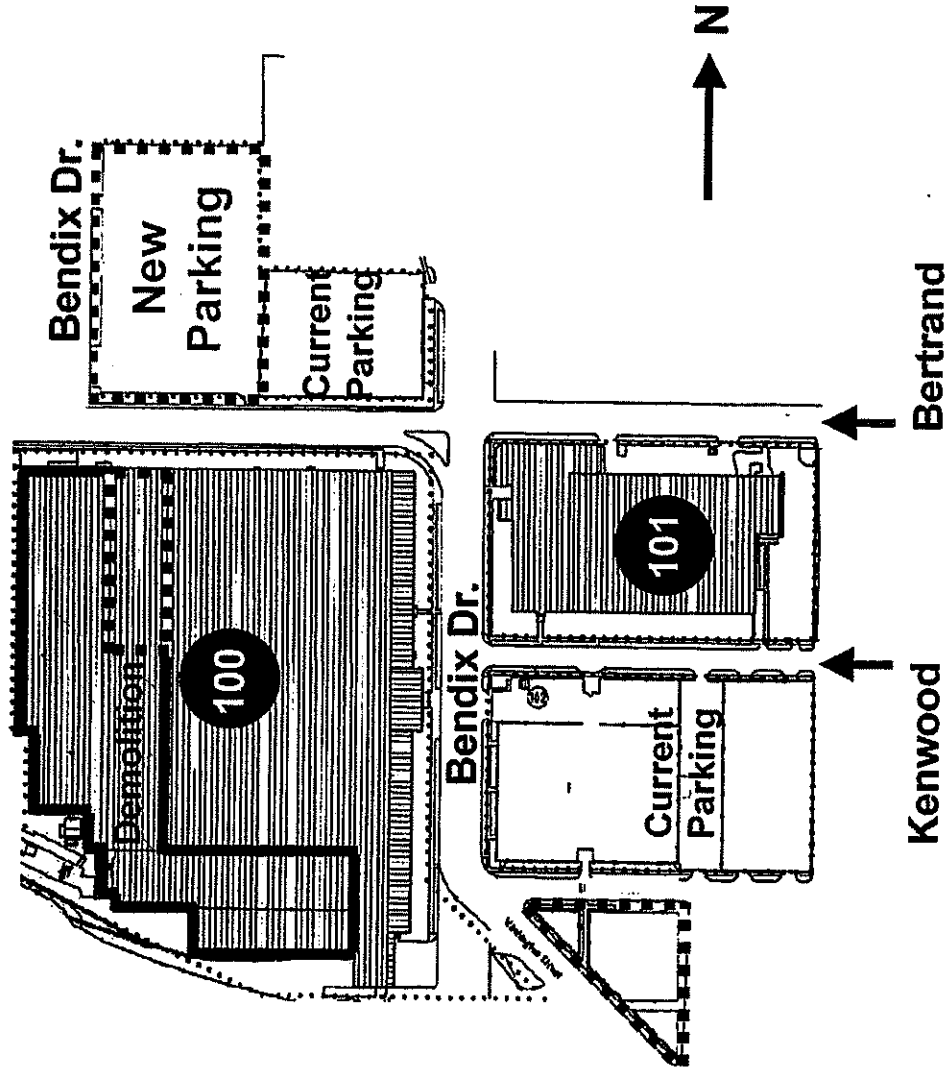
Preparer



Site renovation plans

**Square footage
(buildings 100 and 101):**

- Current total: 482,000 sq. ft.
- 270,000 sq. ft. in use
- After demo total: 335,000 sq. ft.



4615
DIVERSEY
AVE

DESCRIPTION OF IMPROVEMENTS

The subject property is improved with two separate buildings totaling 451,000 SF of gross building area. A combined one-story and four-story building situated on the west side of Bendix Drive contains 373,000 SF of administrative offices, engineering offices, laboratories, warehouse space and vacant production area. A one-story building situated at the northeast corner of Bendix Drive and Kenwood Street contains 78,000 SF of engineering offices and laboratory space. The numerous building sections were built or remodeled between 1923 and 1997. Construction is primarily masonry and steel (partially wood timber frame), brick exterior, flat roof, slab-on grade. The property is part of a larger industrial complex, totaling approximately 2,000,000 SF of building area, under the ownership of Allied Signal, Inc. The building sections are summarized as follows:

Building	Yr Built	No. Stories	Size	Use
Plant 9	(1932;53;77;86)	1-Story	31,000 SF 47,000 SF 78,000 SF	Engineering offices Laboratory Total
				77,812
Plant 10	(1923)	1-Story	70,000 SF	Warehouse
				Guard Shack
Administration	(1932) (1992) (1997)	4-Story 1-Story 1-story	60,000 SF 25,000 SF 9,000 SF 94,000 SF	Administrative & Engineering Cafeteria, Conference, Computer Laboratory Total
Plant 1	(1925-29)	1-Story	209,000 SF =====	Vacant Production Area
			451,000 SF	Gross Building Area
				7284,304



Summary of Building Area by Use:

Administrative offices:	45,000 SF
Engineering offices:	46,000 SF
Laboratories:	56,000 SF
Subtotal	147,000 SF

Drum Levels 2011

Last Updated
10/17/2011

Updated Every Monday

By

Greg Ritter

BUILDING 100	Barrels	Gallons
Mobil Gear 600 XP 220 (Lube Oil)		0
Exxon Univolt N-61B Transformer oil	1	0
AXAREL 2200 Petroferm		0
ESSO Imperial 7498 PSF (Was 6148PSF)	7	0
ExxonMobil M-S 5931 (IMP.6148PSF)	0	0
ExxonMobil M-S 5931 (IMP.6148PSF) (Flush)	0	12
Exxon NUTO H 46	2	0
Exxon NUTO H46 (Flush)	0	0
Dow Brake Fluid 1000	0	20
Dow Brake fluid 50-4 (1Barrel) Long term storage Building 100	2	
Brake Fluid DOT 4 FRB-AF	0.5	
A.J. Chemical #AJ-331 Silicone B/F Dot 5 (Building 101)	0.5	
CCI Mfg. Corp. #GCS 325-AA	1	40
CCI Mfg. Corp. #GC 325-H		15
CCI Mfg. Corp. #Low Vis. DOT 3 (B060)	0	20,25
Ucon BF 6664 (Flexpac GM986121)(Delco Supreme DOT 3)		30
BASF Brake Fluid - Hydraulic 404 G/M DOT 4	0	
DOW Brake Fluid - PM 6664LB	0	45
Alcohol	0	40,25
Mobil 10w30 Motor Oil	1	
UCON Coating Fluid LB-165-Y24		3
UCON Lubricant LB-300-XY26 (Building 101)		5
Huntsman HBF 3/280 (Undyco) [Matt Kreager]		46
Petro-Canada Dexron VI ATF [D. McClain]	1	50 + 7
Petro-Canada Dexron VI ATF (Flush)[D. McClain]	2	51 + 7
Mobil Multipurpose ATF		48
Shell Chrysler ATF MS-9602 (ATF+4) [Bill Penninger]	1	0
Shell Chrysler ATF MS-9602 (ATF+4) (Flush)	0	0
Chrysan Type A ATF (Ford) [Bill Penninger]	9	50
Chrysan Type A ATF (Ford) (Flush)	0	0
Chrysan 1982 PSF [Bill Penninger]	5	48
Chrysan 1982 PSF (Flush) [Bill Penninger]	0	
Check Drums for labels, damage leaks and area for spills	OK?	
	Building 100	X
	Building 101	X
Comments and or Corrective action		
Shell Dot 4 ESL Donaz AB/BF (George Stangus)		

Drum Rack Building 101	18	21	51
Exxon NUTO H46			
Exxon			
Petro Canada			
Dextron VI ATF			
Chrysler ATF MS9602 (ATF+4)			
Exxon NUTO H 46	42	31	0
Rando HD 32			
Vacuum Pump Oil			
Teresstic 68			
Quincy			
Quin Syn			
ExxonMobil			
M-S 5931			
GM IMP 7498PSF			
Transformer Oil			
Empty	0	32	41
Industrial 150			
NUTO H 150			
ExxonUni-Volt			
N-61-B			

InstaPak Foamer Building 101	Packaging area
on order	7gal
1 on floor	
Part A	
0	Bid 101
full	
1	Bid 100

Ferrell Gas	0
20 Lb Full	0
20 Lb Empty	2
35 Lb Full	2
35 Lb Empty	6

Approximate Level is Indicated by arrow	BLD 101 West Barrel Storage	BLD 101 East Barrel Storage
Alcohol	Alcohol	AJ Chemical
0 on floor	Brake Fluid	Hydraulic
	Dow 372 lb	
	BF 1000	CCI

Building 100 Drum Storage Area	National Exposure Testing Inc.
Complex Salt Solution	GM 9540-P
	GM 14872
	Complex Salt Solution
	Sae J-2334
	Morton International Inc.
	Sodium Chloride
	500

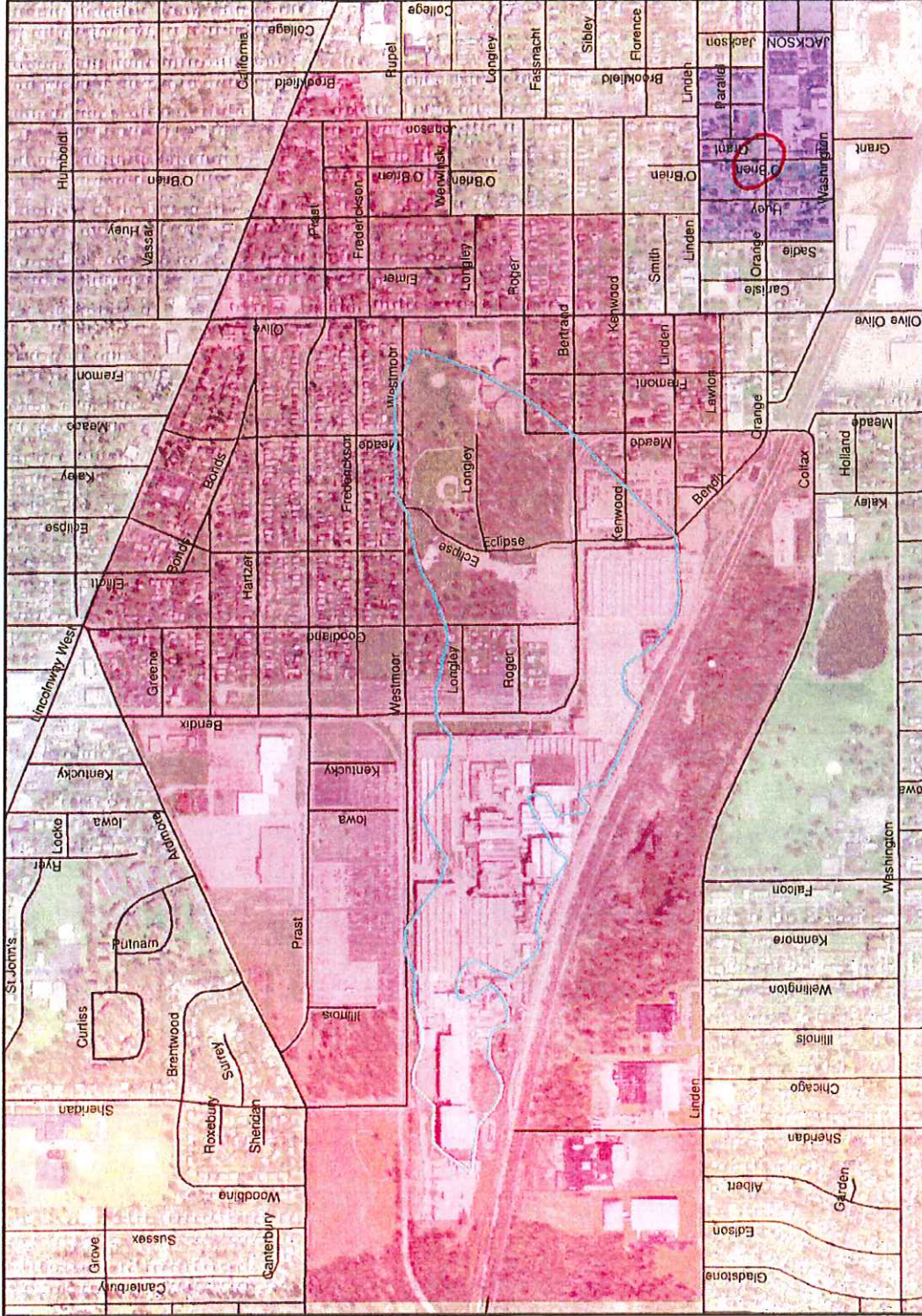
BLD 100 Behind Warranty Center	IMP 6148	N/A	N/A
IMP 6148			

BLD 100 Behind Warranty Center	CCI B060	n/a	n/a
CCI B060			
	No Haz Waste		
	Flam Waste		



HONEYWELL
PROPOSED
ADMINISTRATIVE CONTROL AREA

Prepared By:
St. Joseph County Health Department
227 W. Jefferson Blvd.
South Bond, IN



South Bend Industrial Complex

South Bend, Indiana

Voluntary Remediation Program

Site ID – 6980601

Project Update Meeting

August 3, 2010

Honeywell

Environmental Activities – Historical Overview

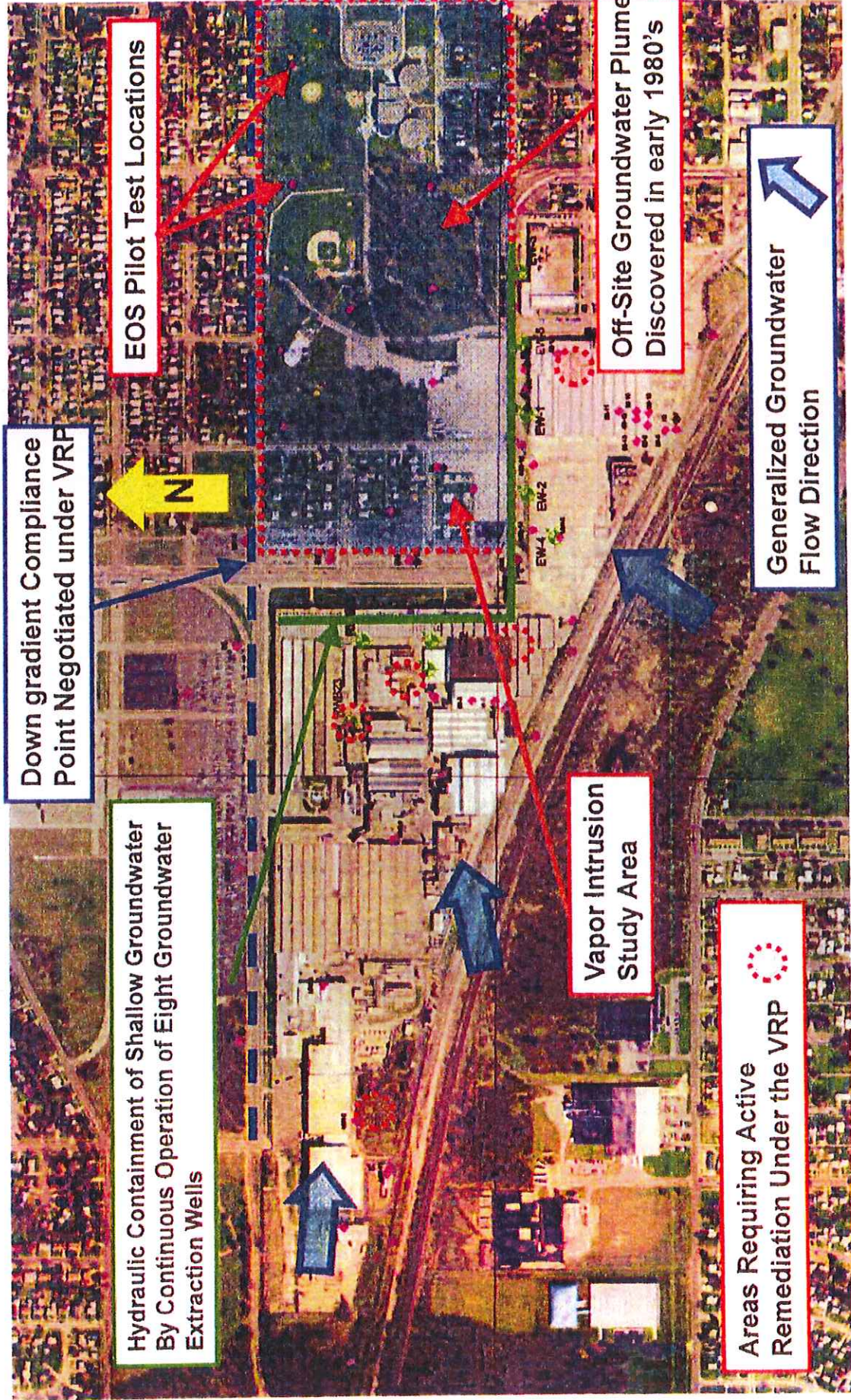
- **1978 to Present:** Naphtha Recovery System Installation and Operation
- **1981 - 1983:** Facility-Wide and Off-Site Groundwater Studies
- **1981 to Present:** Quarterly Groundwater Monitoring Program
- **1982 - 1989:** Plant 1 Decommissioning & Closure of 82 Underground Storage Tanks
- **1988 to Present:** VOC Groundwater Recovery System Installation and Operation
- **1993-1994 & 1997-1999:** Soil Remediation during Facility Expansion "Carbon Brake Area"
- **1995 - 2000:** Comprehensive Voluntary Site Investigation Activities
- **1997 - 2003:** Naphtha & VOC Groundwater & Free Product Recovery Systems Rehabilitation and Enhancement
- **1999:** Site Enters IDEM Voluntary Remediation Program
- **2000 - 2001:** Facility-Wide Remediation Work *
Plan Preparation and Approval
- **2000 to Present:** Facility Implements Soil *
Management Plan
- **2003 to Present:** Plant 1 Area 14 East Corrective Action Activities. Continue safe system operation/optimization
- **2002 to 2003:** Area South of Carbon Brake complete site characterization

Honeywell

- **2003 to 2004:** Area South of Carbon Brake complete Site-Specific Risk Assessment to establish Cleanup Goals
- **2005 to Present:** Plant 1 Area 14 West Corrective Action Activities. Continue safe system operation/optimization.
- **2006 to 2007:**
 - Area South of Carbon Brake – Finalize WP for capping and completed design for construction. USEPA approval pending.
 - Off-Site Plume – Pilot test WP approved and implement technology pilot test.
 - South Bend Complex updating communication plan prior to implementing Off-site Pilot Test Program.
- **2008 to 2009:**
 - Area South of Carbon Brake – Engineering evaluation for active remediation alternatives.
 - Off-Site Plume – Community relations plan for facility by end of May. Implement Pilot Test in September 2009.
 - Plant 1 Area 14 East – Continue SVE only. EOS injected in area treatment wells to further reduce stabilized VOC concentration in MW-16 and MW-17.
- **2010:**
 - As presented in update meeting.

Site Conceptual Model

Honeywell



Discussion Topics

Honeywell

- Groundwater/Free Product Recovery System Operations
- Project Status: Area 14 West
- Project Status: Area 14 East
- Project Status: Off-Site Plume
 - EOS® Pilot Study
 - Vapor Intrusion Evaluation
- Project Status: Area South of Carbon Brake
- Area 5: Plant 6/16 – Former Rail Supply Area
- Other Issues

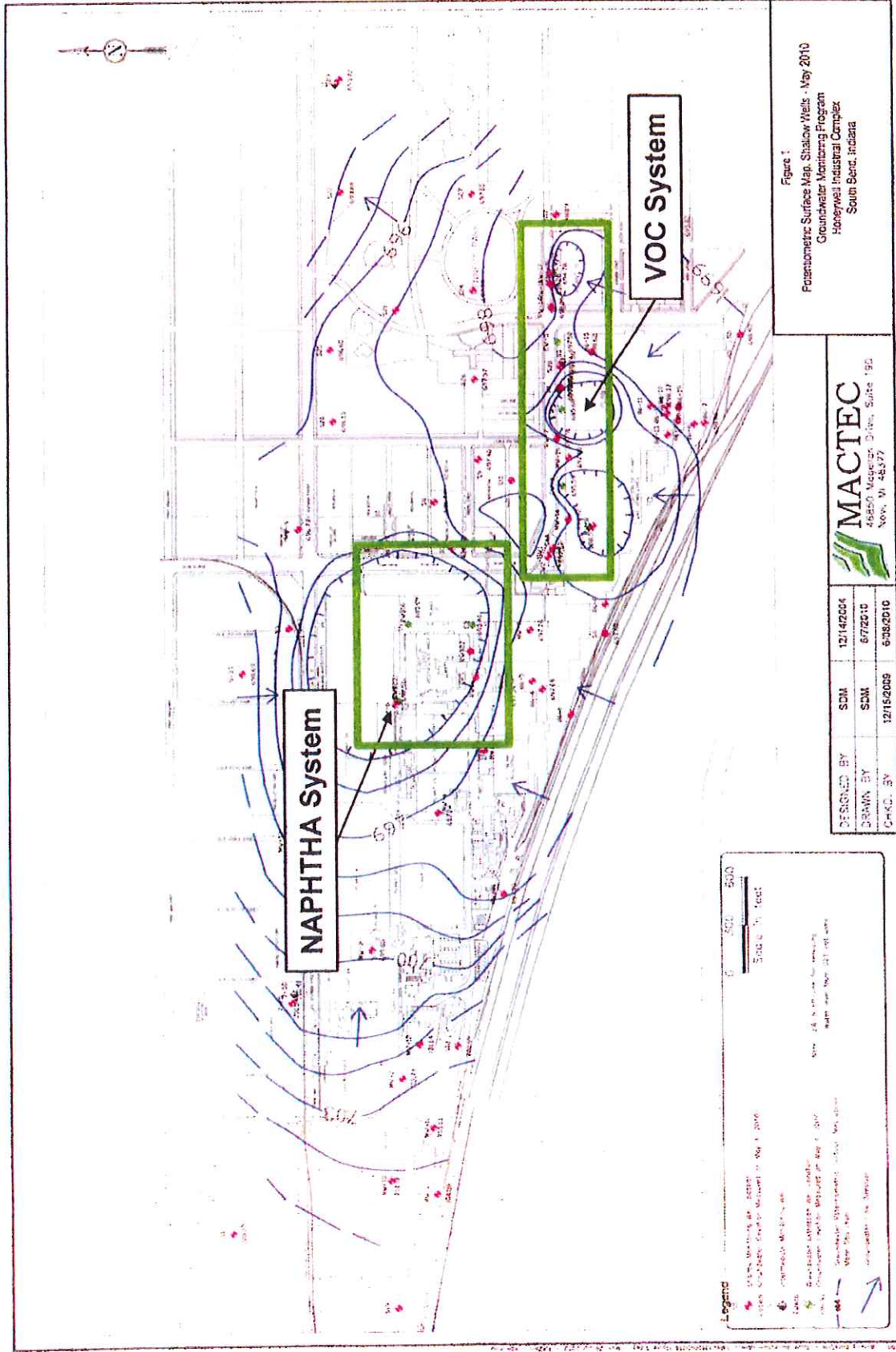
Groundwater/Free Product Recovery System Operations

Honeywell

- **Naphtha Recovery System** – Currently consists of 3 groundwater extraction wells (E3, RWB16, and RWB23) which control groundwater from the western portion of the site. A total of \approx 49 million gallons (or \approx 94 gpm) of VOC impacted groundwater was captured during 2009. Extraction well E3 was the original well in the Naphtha recovery system installed in 1978.
- **VOC Extraction System** – Originally installed in 1988. Currently consists of 5 groundwater extraction wells (EW-1 through EW-5) which control groundwater movement from beneath eastern portion of the facility (Plant 1 and Plant 9). A total of \approx 39 million gallons (or \approx 75 gpm) of VOC impacted groundwater was captured during 2009.
- **Free Product Recovery Systems** – Currently 2 free product recovery systems are operated at the facility. E3 and RWB23 systems recover residual Naphtha from the water table in the Plant 6/16 area with pneumatic skimmer pumps. Recovery rate is approximately a drum per quarter. At EW-4P, a more viscous oil like product has been reduced to a sheen. Hydrophobic socks are used to capture residual product which enters well.

Shallow Groundwater Flow Patterns

Honeywell



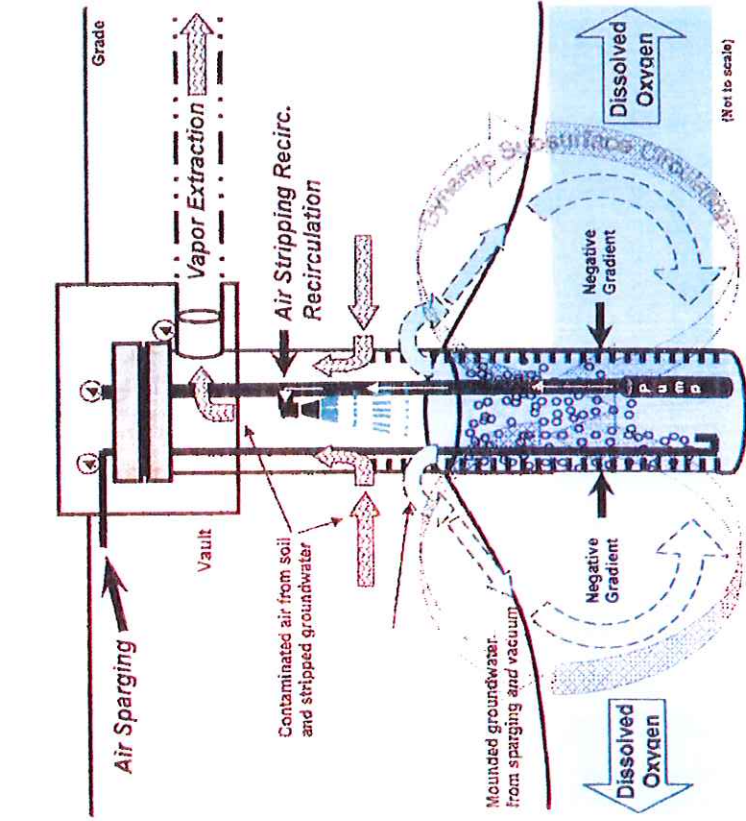
Active Soil and Groundwater Remediation

Honeywell

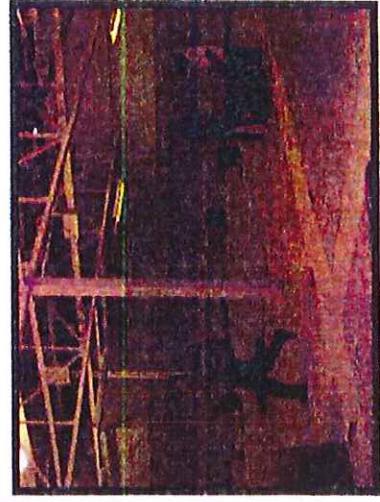
Two Groundwater Circulation/Stripping Systems have been installed and are operating at the South Bend Complex:

- Area 14 East – Consists of (7) ART Wells started in May 2003
- Area 14 West – Consist of (5) Art Wells and (4) SVE Wells started in January 2007

To date these systems have recovered more than 1,900 pounds of TCE from soil and groundwater from know source areas.



Area 14 West



Area 14 East

HONEYWELL

Update 08/03/2010

Project Status: Off-Site Plume

Honeywell

Eastman-Kodak Well Pilot Study

- EOS® – Micro-emulsion of food-grade soybean oil, surfactants, macro and micronutrients, and vitamins
- Initial Pilot Test Injection and piezometer installation completed in September 2008. Arrays near both S-22 and S-23
- Second injection of EOS® near both S-22 and S-23 conducted in December 2009
- Injection of BAC-9™ (anaerobic bacteria culture) near both S-22 and S-23 in February 2010 to increase bacteria count and augment biodegradation
- Performance monitoring conducted during pilot shows 50 percent reduction in total VOCs at S-23. At S-22, an increase of degradation compounds observed post injection with concentrations now trending downward
- Second post BAC-9™ injection performance sampling to be conducted in July 2010 results pending.

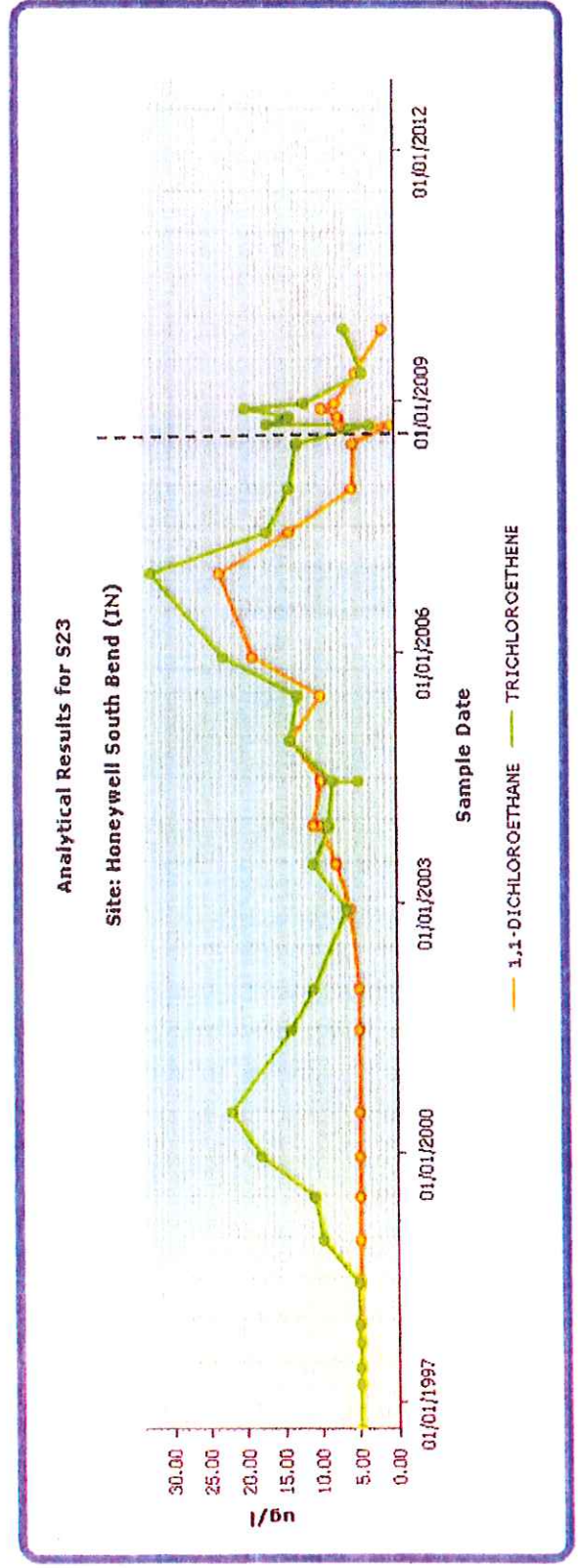
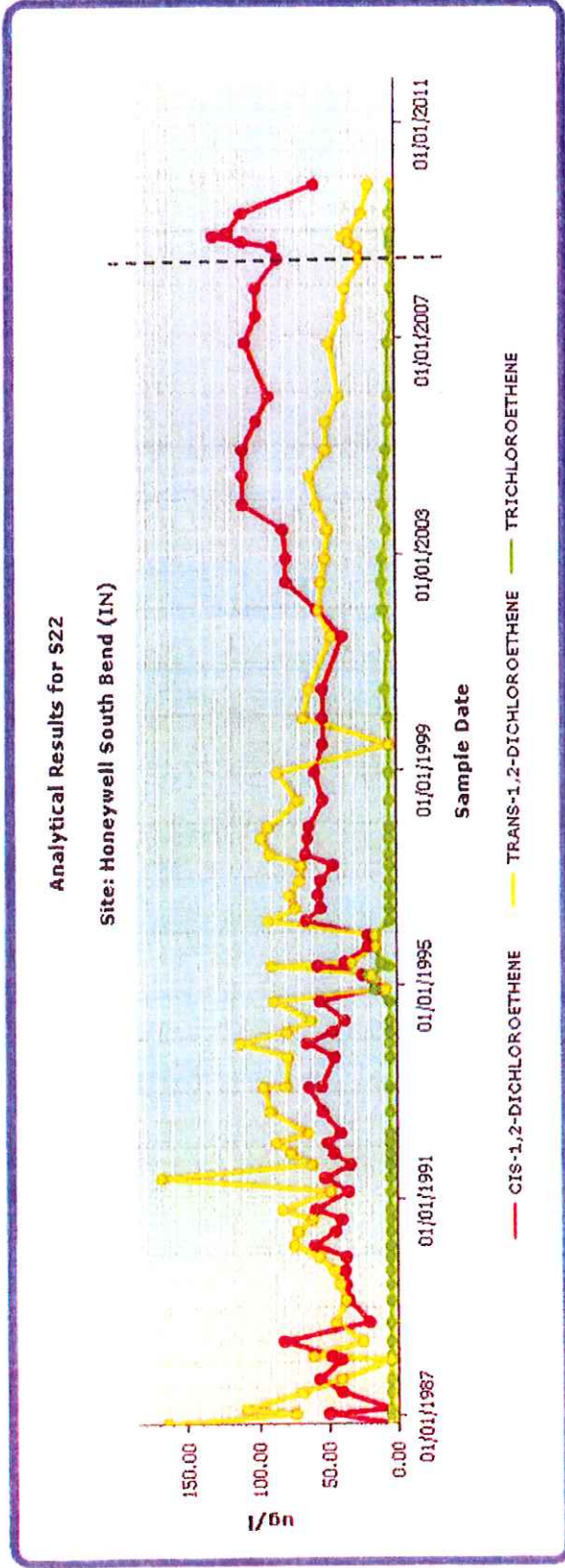
*low 400 / yr
plume 1000 / yr*

HONEYWELL

Update 08/03/2010

Project Status: Off-Site Plume

Honeywell



Project Status: Off-Site Plume

Honeywell

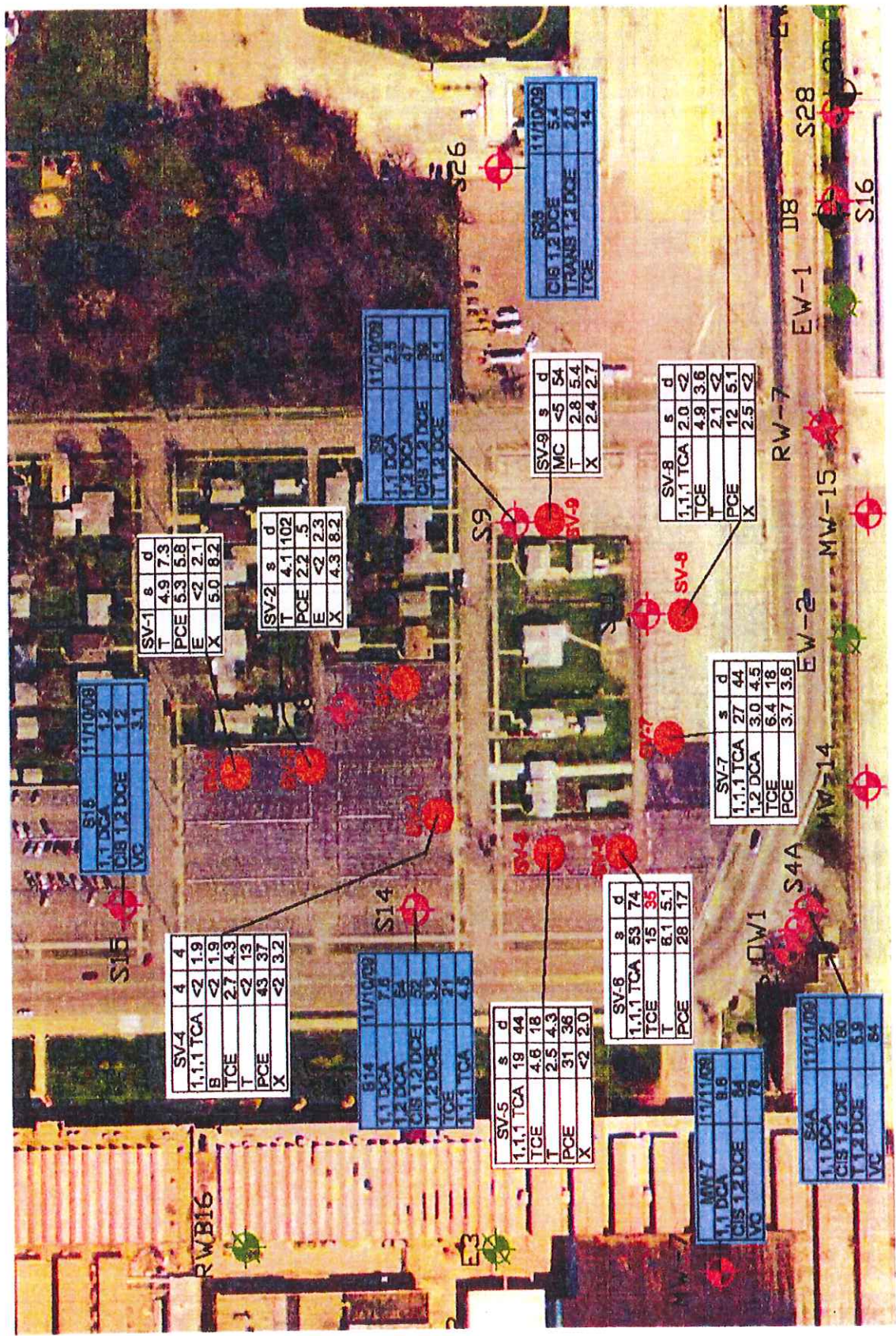
Vapor Intrusion Evaluation

- Screening of historical groundwater data per IDEM Draft Vapor Intrusion Pilot Program Guidance (April 2006) indicated VOC levels in groundwater warranted soil gas sampling. An investigation work plan was submitted to IDEM in May 2009 and implemented in September and October 2009.
- Work included the installation of soil gas vapor probes at 5' and 10' depths at each of nine locations beneath an asphalt parking lot adjacent to residential area. Soil sampling was also conducted to obtain data on moisture content and grain size of soil.
- Results were presented to IDEM in the *Off-Property Vapor Intrusion Evaluation – Soil Gas Investigation* (February 2010) report. Of the 16 samples analyzed, only one sample result exceeded a generic soil gas screening level for TCE.
- Based on comments from IDEM review of above referenced report. MACTEC has developed a focused scope of work to evaluate soil vapor concentrations at the depth or beneath the basement concrete floors of a few residences VI Study Area. Honeywell currently updating community outreach plan and will attempt to obtain access to select residential properties
- MACTEC will continue to monitor VOC trends in groundwater and evaluate the need for future VI investigation.

Project Status: Off-Site Plume

S 5
S 10'

Honeywell



Project Status Area South of Carbon Brake

Honeywell

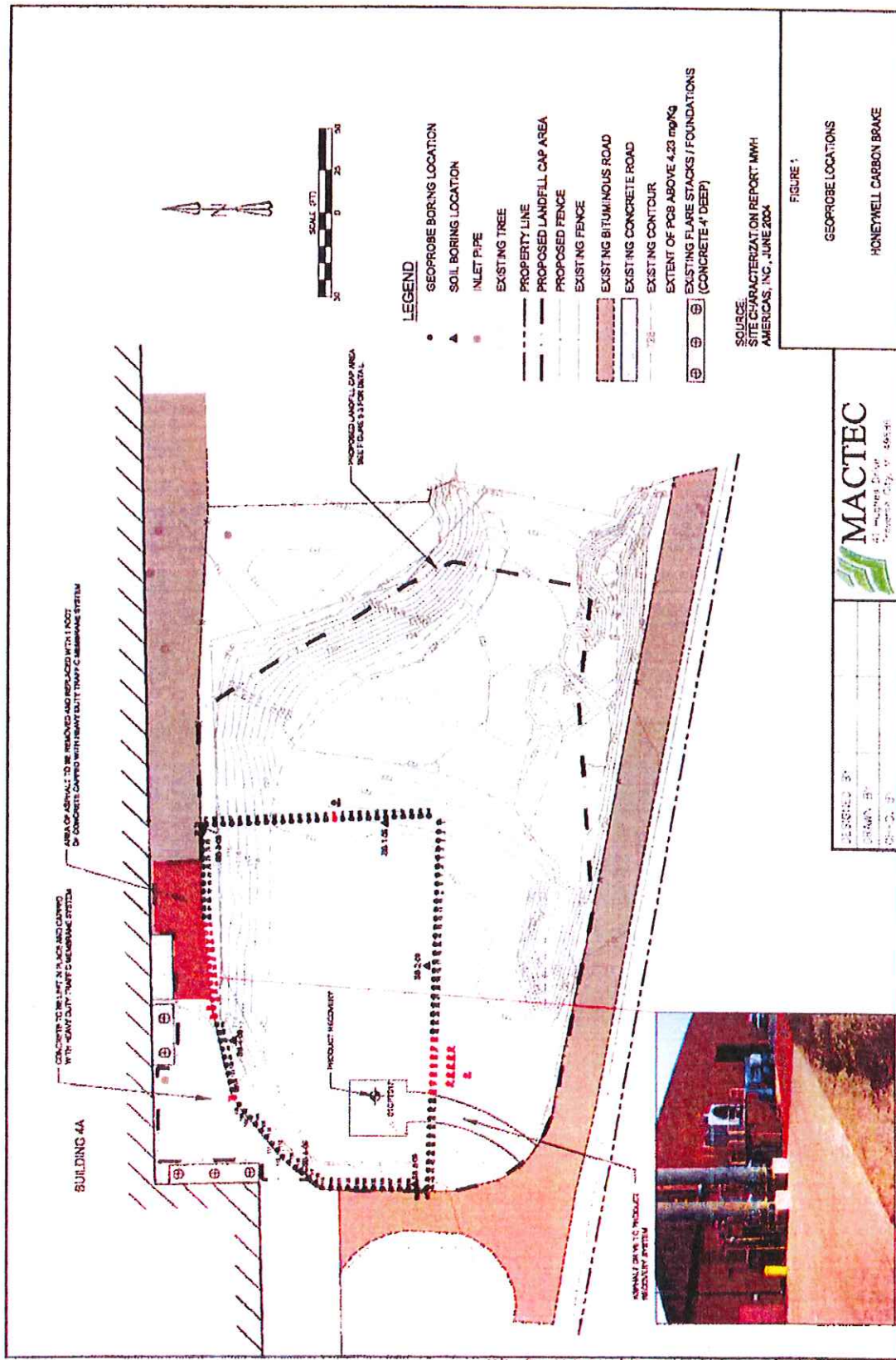
Approach for the area is to reduce VOCs in soils to a point at which concentrations are below RCRA hazardous levels. Once achieved, soils containing PCB levels > 100 ppm will be excavated where practicable for disposal at a TSCA approved facility. The area will be backfilled and re-graded, and a cap constructed in compliance with Indiana solid waste requirements. Following this, a free product recovery system will be installed and the area fenced.

2009 Activities

- Completed design of SVE system to reduce VOC contaminant mass. Contracting documents are currently prepared to support 2010 construction and start up.
- A Geoprobe soil investigation was conducted in summer of 2009 to support placement of proposed excavation support structures. A total of 137 soil borings were conducted with samples from each boring analyzed for PCBs.
- A geotechnical investigation was conducted in summer of 2009 for the evaluation and design of temporary excavation support measures necessary for the proposed soil removal action. Given the close proximity to active air handling units and sensitive manufacturing equipment inside the building, use of sheet pile is no longer being considered due to vibration concerns during installation. The investigation included the following:
 - Six (6) geotechnical soil borings to depths of 30 to 55 feet bgs;
 - Geotechnical laboratory testing for key soil parameters (complete); and
 - The Geotechnical Data Summary Report and a preliminary evaluation of temporary excavation support alternatives (in progress).

Project Status Area South of Carbon Brake – Soil Investigations

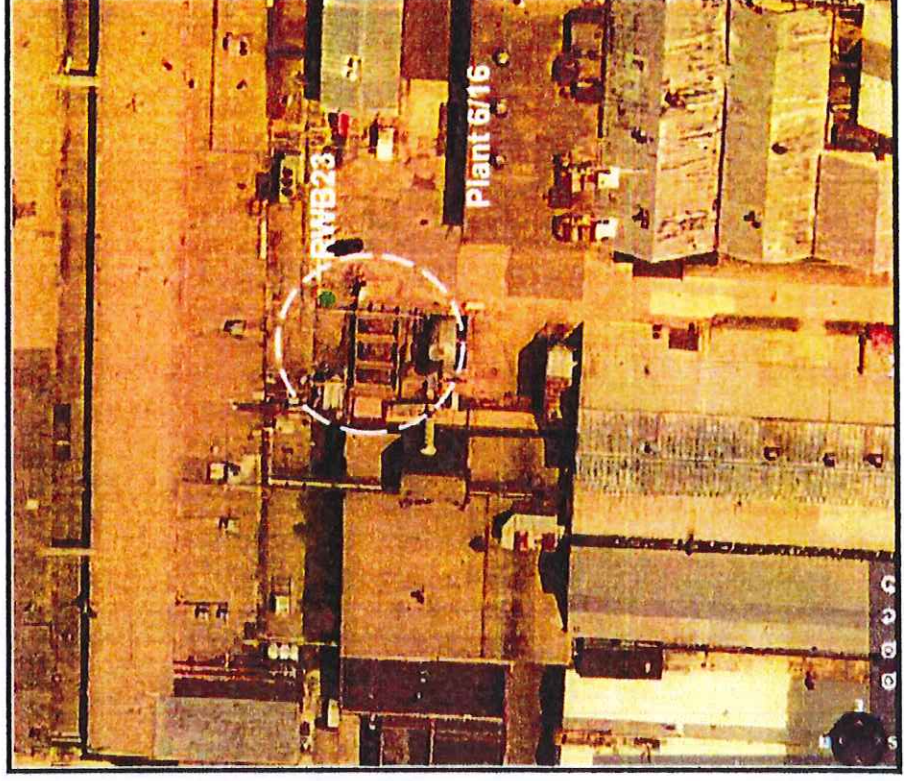
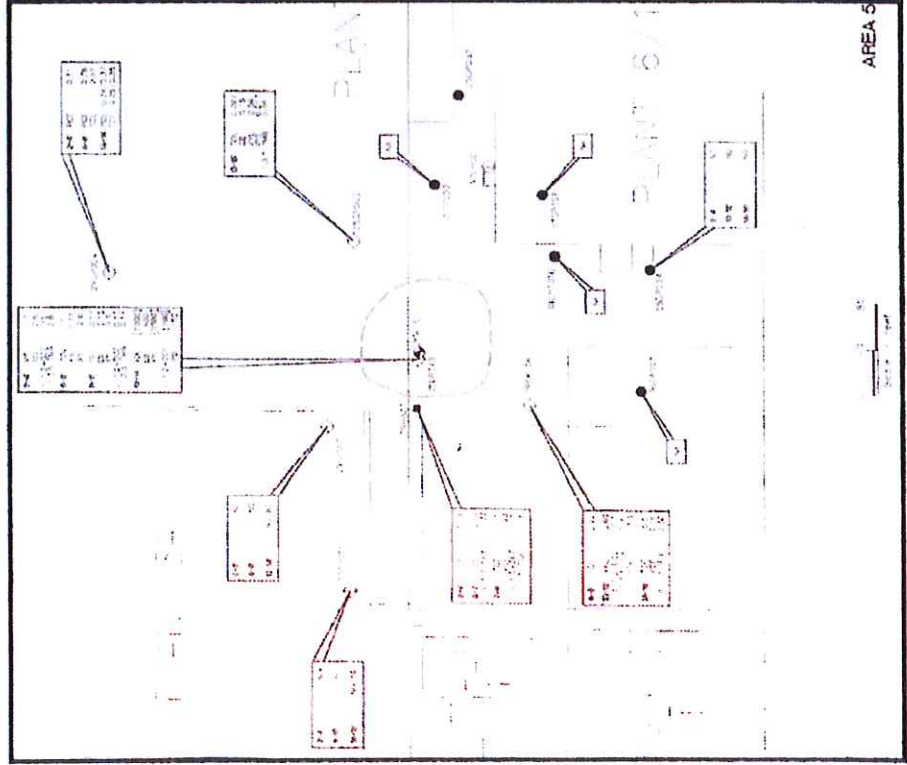
Honeywell



Area 5: Plant 6/16 - Former Rail Supply Area

Honeywell

- In 2009, began evaluation of additional data needed to develop AS-RWP for this Area.
- Conceptual plan proposed in site-wide RWP was soil vapor extraction (SVE), likely consisting of both horizontal and vertical SVE wells.
- Contaminants of concern are both chlorinated and aromatic VOCs.
- Recoverable free product still exists in this area (RWB-23).



Issues

Honeywell

Open Discussion

HONEYWELL

Update 08/03/2010

Allied-Signal

Bendix Corporation
South Bend, Indiana

1

401 N. Bendix
717 N. Bendix
3520 W. Westmore

Waste streams as suggested from Division of Land Pollution
Control files and waste hauler reports. (Quantities are based on
1979-1980 reports.)

Asbestos containing fire brick
Paint Wastes (VM + P Naptha, aliphatic hydrocarbon solvent, Methyl
Isobutyl Ketone, Ethanol and Mineral Spirits)

Tie Bar Wastes

M.O.C.A. contaminated wastes (4,4-Methylene bis 2-Chloroaniline)

Raw M.O.C.A wastes (approximately 30 gal/yr)

Asbestos dust

Asbestos pellets

Asbestos

Soluble Oil and Water Mixture (approximately 10,000 gal/mo)

Hydroxide Sludge

Chromium Spray Booth Paint Wastes

Touch-up Paint Wastes

Salt Bath Salts (Chloride salts?)

Chromic Acid

Zinc Hydroxide/Calcium phosphate sludge

Lead Hydroxide/Lead sulfide sludge

Wastewater treatment sludge (approximately 300 tons/yr)

Iron/Zinc phosphate sludge

Heat Treating Salts

Chromic Acid contaminated fiberglass pit liner

Chromic anodic tank clean-out

Chrome plating tape

Nickel waste

T-Line cleanout

Stoddard Solvents

Foundry Sand (see below for analysis)

Cadmium hydroxide sludge

Ferro Cyanide and Cyanide wastes

Naptha

struts

Bendix Corporation makes brakes, steering systems, brake
components and ~~struts~~ for automobiles and airplanes. They notified on
17 sites, including their plant at 401 Bendix Drive, South Bend,
Indiana. The other 16 properties are off-site and under private
ownership. The site names, dates, and addresses are:

St. Joseph County Landfill, Jackson and Locust Roads, 1940-70
St. Joseph County Landfill, U.S. 31 and Ireland, 1969-1971
Dollar Lake Site, SR 23 and Mayflower Road, Early to mid 1960's
Area West of Bendix Oil Tank, Linden Avenue, 1940-1970
Beck's Lake Site, Colfax and Kaley Streets, until mid 1950's
Butternut Road Site, Butternut and Douglas Roads, 6 months in
1955-1960

Former City/County Landfill, Bendix Drive North of Lincolnway West, until early 1960's
Fillmore Road North Site, Fillmore Road West of Mayflower, 1 to 1 1/2 years in mid 1950's
Douglas Road Site, Douglas and Bendix Drive, 1960s to closure
Linden Road Site, Linden and Chippewa Roads, 30 days, 1970's
Pine Road Site, Pine and Fillmore Roads, mid 1960's
Sample Street Lagoon Site, 3300 West Sample Street, 1956-1972
Speeks Site, Bendix Drive and Douglas Road, mid 1960's thru early 1970's
South Bend Avenue Site, South Bend and Twy Kenham Avenue, unknown
Schuman Dump Site, Mayflower and Ireland Road, 1960-1970
Western Avenue Site, Elmer, Huron, Hollywood and Ford, unknown
All St. Joseph County-All South Bend

The Bendix Corporation has operated from approximately 1930 to the present time, although off-site disposal was halted sometime around 1973. The disposal dates are approximate in most cases and represent a "best effort" by the company prior to their filing in March of 1984.

Foundry Sand, (in ppm)

phenols, 1.2-to-4.6
Naphthalene, .460-to-2.400
Phenanthrene, .2
Zinc, .43-38
Selenium, .08
Methylene Chloride, .012-to-9.2
TCE, .039
1,1,2,2-Tetrochloroethylene, .016
Butylbenzylphalate, .6-to-.270
Arsenic, 17
Cadmium, 1.0-to-.01
Copper, 12
Lead, 14
Chromium, 6.7
Nickel, 3.4
Manganese, .053
Bis (2-ethylhexyl) phthalate, .680-to-.220
Toluene, .057
Pentachlorophenol, .520
1,3-Isobenzofurandione, 310

These numbers show some ranges resulting from many samplings at various dates. Note that cyanides, sulfates and chlorides were not run on these samples.

SB/sk

1976 Bendix Liquid Waste Removal Record

201,600 gallons emulsion
60,070 gallons Trichlorethylene (TCE) sludge
10,000 gallons Sodium Dichromate Waste
3,300 gallons Laquer Thinner Waste
1,500 gallons Copper Cyanide Stripper Waste
15,200 gallons Chromic Acid Waste
715 gallons Copper, Nickel and Cyanide Waste
825 gallons Cadmium Cyanide Waste
605 gallons methylene chloride
214,000 pounds Triad Sludge (unknown components)
33,225 gallons cyanide
1,045 gallons methyl chloroform
220 gallons Perchlorethylene
3 Transformers
3 Capacitors
1,265 gallons PCB oil
550 gallons PCB sludge
1,040 cubic yards/yr foundry sand (*see analysis other page in packet)

This is a tally of Bendix Corporation Liquid Waste Hauler reports for the year of 1976 to get an idea of wastes disposed of. This could be considered to be a representative sampling of the waste haulers reports and indicative of wastes possibly disposed of prior to 1973 or 1974 when their disposal practices were revised. Since many of the sites Bendix notified on fall into the period prior to 1973-4, this is a means to look at quantities and types of wastes possibly disposed of into off-site private and city/county facilities.

SB/sk

Transaction Report

Send

Transaction(s) completed

No.	TX	Date/Time	Destination	Duration	P. #	Result	Mode
472	OCT-28	09:10	15742357670	0'00'17"	002	OK	N ECM

WEAVER

BOOS

CONSULTANTS

GEO-ENVIRONMENTAL ENGINEERS
AND SCIENTISTS

FAX COVER SHEET

4085 MEGHAN BEELER COURT
SOUTH BEND, INDIANA 46628
PHONE: (574) 271-3447
FAX: (574) 271-3343

To: *Fine DEPT-LEGAL*
Company:
Fax: *235-7670*
Regarding:
FOIA Request

From: *ED STEFAWEK*
Date/Time: *10/28/11*
Pages including cover sheet: *2*
Project No.:

See ATTACHED

Signed:

Hard Copy transmitted via: Regular Mail Express Delivery No Hard Copy

WEAVER

BOOS

CONSULTANTS

GEO-ENVIRONMENTAL ENGINEERS
AND SCIENTISTS

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**CITY OF SOUTH BEND
ACCESS TO PUBLIC RECORDS REQUEST**

NAME OF REQUESTING PARTY ED STEFANEK / WEAVER BOOS CONSULTANTS
ADDRESS OF REQUESTING PARTY 4050 MEGHAN BEELEER CT, SOUTH BEND, IN
PHONE NUMBER 574-271-3447 DATE OF REQUEST OCT 28, 2011 TIME 9:15 AM
SIGNATURE OF REQUESTING PARTY [Signature]

INFORMATION REQUESTED: (Please be specific. Use back of this form if additional space is needed.)
Emergency Response
ANY ENV RECORDS ASSOCIATED WITH PAST SPILLS, UST (UNDERGROUND STORAGE TANKS), ECT THAT YOU MAY HAVE FOR THE BOSCH PROPERTY THAT I AM DOING A PHASE I ESA ON. THE PROPERTY IS LISTED AS BOTH 401 N. BENDIX DR. AND 2721 W. KENWOOD IN SB.

Requesting party requests to inspect or to buy copies (Check One) of the information being requested.

DEPARTMENT HAVING INFORMATION REQUESTED (if known): Fire DEPT

ALL DECISIONS AS TO DISCLOSABILITY MUST BE MADE AND THE REQUESTING PARTY ADVISED OF SAME WITHIN 24 HOURS AFTER THE REQUEST IS RECEIVED.

INTER OFFICE USE ONLY

Name of Employee Handling Request: _____ Date: _____
Department: _____

DECISION BY CITY ATTORNEY'S OFFICE:
INFORMATION DISCLOSABLE: _____
INFORMATION NONDISCLOSABLE: _____
ATTORNEY COMMENTS: _____

SIGNATURE OF CITY ATTORNEY: _____

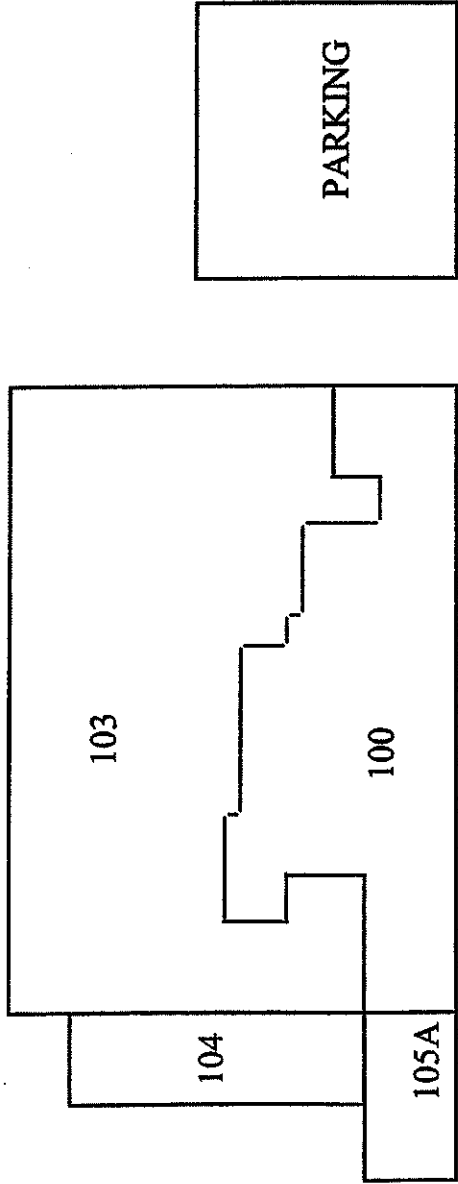
DATE OF DECISION: _____

Informed Requesting Party that information is:
 DISCRETIONARY DISCLOSURE NONDISCLOSABLE

Date: _____ Signature: _____

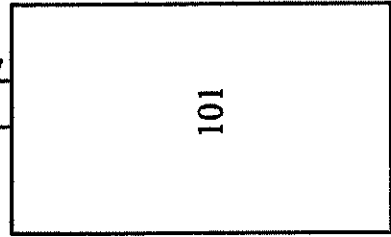
South Bend facilities

bldgnbrs



BENDIX DRIVE

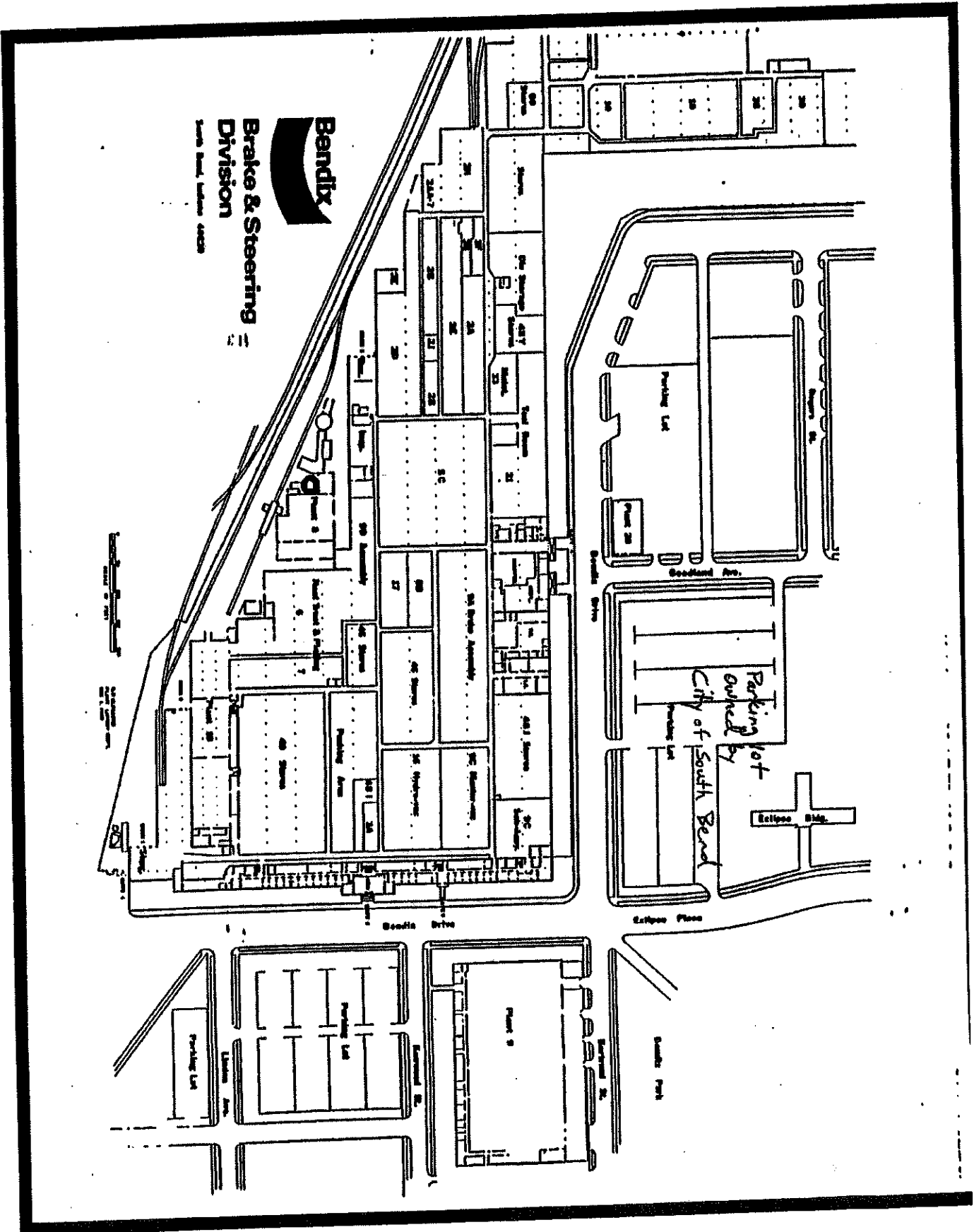
105B



K E N W O O D

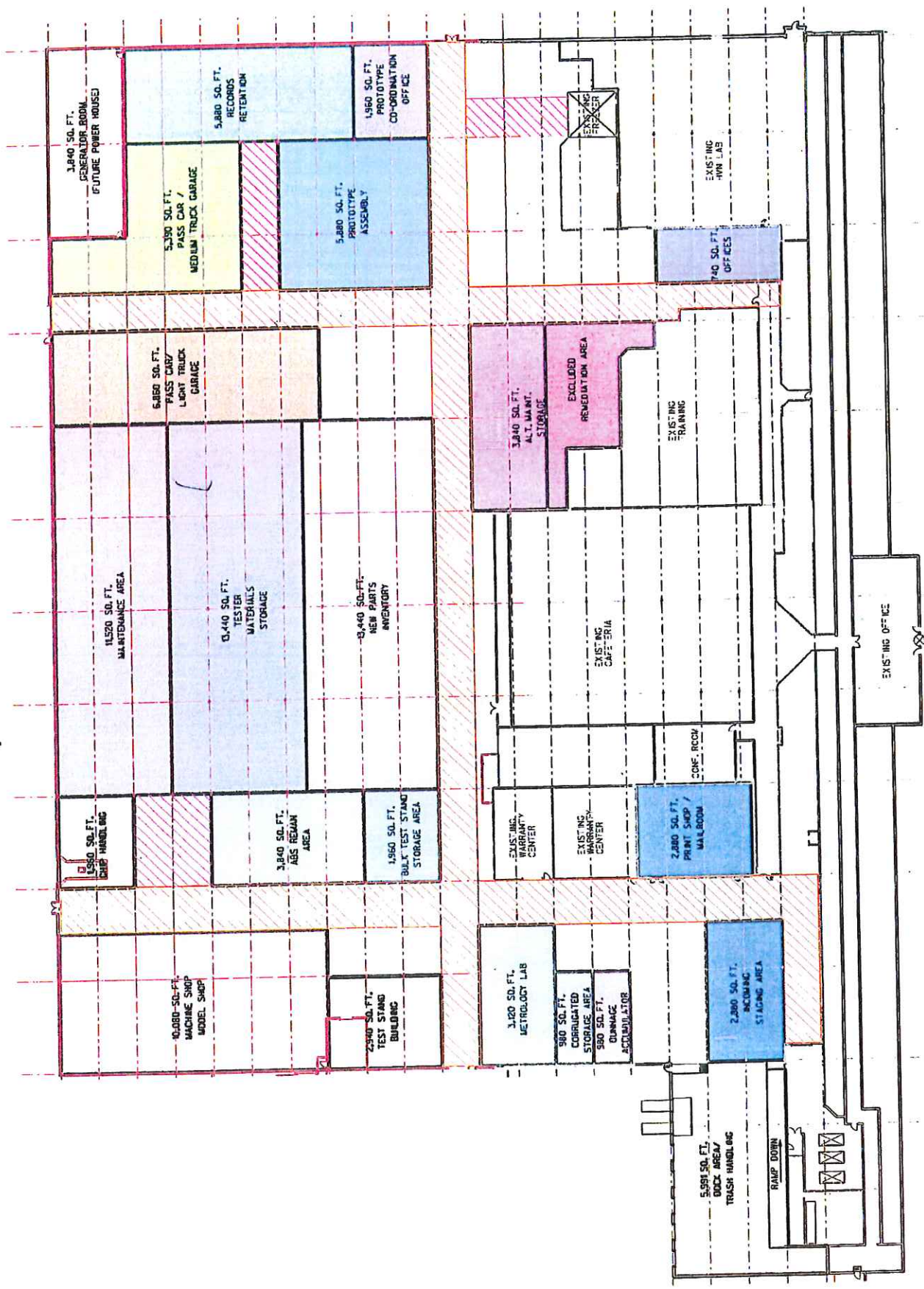
- 100 = ADMINISTRATION
- 101 = FOUNDATION BRAKES & ACTUATION & LABS
- 102 = SECURITY
- 103 = VACANT MANUFACTURING AREA
- 104 = RECORD & SAMPLE STORAGE
- 105A & B = POWERHOUSES

Site Plan



**Brake & Steering
Division**
South Bend, Indiana 46708





1,840 SQ. FT.
GENERATOR ROOM
(FUTURE POWER HOUSE)

5,390 SQ. FT.
PASS CAR /
MEDIUM TRUCK GARAGE

5,880 SQ. FT.
RECORDS
RETENTION

5,880 SQ. FT.
PROTOTYPE
ASSEMBLY

1,960 SQ. FT.
PROTOTYPE
CO-ORDINATION
OFFICE

11,520 SQ. FT.
MAINTENANCE AREA

6,480 SQ. FT.
PASS CAR /
LIGHT TRUCK
GARAGE

13,440 SQ. FT.
TESTER
MATERIALS
STORAGE

8,440 SQ. FT.
NEW PARTS
INVENTORY

3,840 SQ. FT.
ALT. WARE
STORAGE

EXCLUDED
REMEDIATION AREA

EXISTING
FREEZER

EXISTING
HW LAB

740 SQ. FT.
OFFICES

EXISTING
TRAINING

EXISTING
CAFETERIA

CONF. ROOM

1,560 SQ. FT.
SHIP HANDLING

3,840 SQ. FT.
ABS REPAIR
AREA

1,560 SQ. FT.
BULK TEST STAND
STORAGE AREA

EXISTING
WARRANTY
CENTER

EXISTING
WARRANTY
CENTER

2,880 SQ. FT.
PRINT SHOP /
WALLROOM

10,080 SQ. FT.
MACHINE SHOP
MODEL SHOP

2,340 SQ. FT.
TEST STAND
BUILDING

3,120 SQ. FT.
METROLOGY LAB

840 SQ. FT.
CORRUGATED
STORAGE AREA

580 SQ. FT.
DUNNAGE
ACCOMMODATOR

2,880 SQ. FT.
INCOMING
STAGING AREA

5,595 SQ. FT.
DOCK AREA /
TRUCK HANDLING

RAMP DOWN

EXISTING OFFICE



Certificate of Registration

ENVIRONMENTAL MANAGEMENT SYSTEM - ISO 14001:2004

This is to certify that:

**Robert Bosch LLC
Chassis Systems Full Brakes
NAFTA Product Division
401 North Bendix Drive
South Bend
Indiana
46628
USA**

Holds Certificate No: EMS 64920

and operates an Environmental Management System which complies with the requirements of ISO 14001:2004 for the following scope:

Management of environmental risks associated with the provision of vehicle performance and durability testing (proving grounds); program management, sales, and marketing; component design, applications and systems engineering; product and systems testing; product quality and warranty analysis; supply base management and supplier quality management services for actuation, foundation, and modulation components and braking systems produced by the Robert Bosch LLC, Chassis Systems Full Brakes NAFTA Product Division.

For and on behalf of BSI:

President, BSI America, Inc.

Originally Registered: 08/15/2001

Latest Issue: 02/25/2010

Expiry Date: 02/18/2013



Page: 1 of 2

This certificate remains the property of BSI and shall be returned immediately upon request.
An electronic certificate can be authenticated [online](http://www.bsigroup.com/ClientDirectory). Printed copies can be validated at www.bsigroup.com/ClientDirectory
To be read in conjunction with the scope above or the attached appendix.
Americas Headquarters: 12110 Sunset Hills Road, Suite 200, Reston, VA 20190, USA.



Certificate No: EMS 64920

Location

Registered Activities

Robert Bosch LLC
Chassis Systems Full Brakes
NAFTA Product Division
401 North Bendix Drive
South Bend
Indiana
46628
USA

Provision of vehicle performance and durability testing (proving grounds); program management, sales, and marketing; component design, applications and systems engineering; product and systems testing; product quality and warranty analysis; supply base management and supplier quality management services for actuation, foundation, and modulation components and braking systems produced by the Robert Bosch LLC, Chassis Systems Full Brakes NAFTA Product Division.

Robert Bosch LLC
Chassis System Full Brakes
NAFTA Products Division
32104 State Road 2
New Carlisle
Indiana
46552
USA

Provision of vehicle performance and durability testing (proving grounds); program management, sales, and marketing; component design, applications and systems engineering; product and systems testing; product quality and warranty analysis; supply base management and supplier quality management services for actuation, foundation, and modulation components and braking systems produced by the Robert Bosch LLC, Chassis Systems Full Brakes NAFTA Product Division.

Originally Registered: 08/15/2001

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Page: 2 of 2

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To be read in conjunction with the scope above or the attached appendix.
Americas Headquarters: 12110 Sunset Hills Road, Suite 200, Reston, VA 20190, USA.



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

Northwest Regional Office
8380 Louisiana Street
Merrillville, Indiana 46410
(219) 757-0266
Toll Free (888) 209-8892
Fax (219) 757-0267
www.Idem.IN.gov

VIA CERTIFIED MAIL: 7007 3020 0003 2715 1116

Mr. Mark Walker
Robert Bosch Braking Systems
401 N Bendix Dr
South Bend, In 46628

December 6, 2010

Re: Inspection Summary Letter
Robert Bosch Braking Systems
INR 000 102 004
South Bend, St Joseph County

Dear Mr. Walker:

On 12/2/2010, a representative of the Indiana Department of Environmental Management, Office of Land Quality, Northwest Regional Office, conducted an inspection of Robert Bosch Braking Systems, located at 401 N Bendix Dr, South Bend, IN. This inspection was conducted pursuant to IC 13-14-2-2. For your information, and in accordance with IC 13-14-5, a summary of the inspection is provided below:

Type of Inspection: Compliance Evaluation Inspection

Results of Inspection: No Violation(s) Discovered

Please direct any response to this letter and any questions to me at (219) 757-0268.

Sincerely,

Scott Ormsby
Industrial Waste Section
Northwest Regional Office

Enclosure

cc: St Joseph County Health Department



NOTICE OF INSPECTION
State Form 50890 (R3 / 11-05)

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
100 N. Senate Avenue
Indianapolis, IN 46204-2251
Telephone: (800) 451-6027 or (317) 232-8603

This is to notify you that on 12/2/2010 an inspection of Bosch Automotive Chassis was conducted by the undersigned representative of the Indiana Department of Environmental Management (IDEM), Office of Land.

Type of Inspection (may include more than one):

- CEE Complaint
 _____ Multi-Media Screening Evaluation
 _____ Other _____

Preliminary Inspection/Screening Findings:

These findings are considered preliminary and identify specific compliance issues discovered during the above-noted inspection that the designated agent of IDEM believes may be a violation of a statute(s), rule(s) or permit(s) issued by IDEM.

Single Media Inspection:

- No violations were discovered with respect to the particular items observed during the inspection.
 Violations were discovered but corrected during the inspection.
 Violations were discovered and require a submittal from you and/or follow-up inspection by IDEM.
 Violations were discovered and may subject you to an appropriate enforcement response.
 Additional information/review is required to evaluate overall compliance.
 Other / Comments (attachment may be included) _____

Multi-Media Screening (Please note that a multi-media screening is not a comprehensive evaluation of the compliance status of the facility):

- Multi-media screening not conducted.
 No violations were discovered with respect to the limited multi-media screening conducted by IDEM.
 Potential violations were discovered but corrected during the inspection.
 Potential violations were discovered and may be further investigated.

Pollution Prevention:

Pollution prevention is the preferred means of environmental protection in Indiana. The goal of pollution prevention is to promote changes in business and commercial operation, especially manufacturing processes, so that Indiana businesses increase productivity, generate less environmental wastes, reduce their regulatory responsibilities and become more profitable. Your participation in Indiana's pollution prevention program is entirely voluntary. If you have any pollution prevention questions, you may contact our Office of Pollution Prevention and Technical Assistance (OPPTA) at (317) 232-8172 or (800) 988-7901, or visit OPPTA's Web site at www.idem.IN.gov/oppta/p2/. Would your company like to be contacted by IDEM's Office of Pollution Prevention and Technical Assistance? Yes No

Compliance Assistance:

In addition to the compliance assistance offered by IDEM's individual programs, IDEM's Compliance and Technical Assistance Program (CTAP) offers free, confidential compliance assistance to regulated entities, including small businesses and municipalities, throughout Indiana. In the future, if you would like to request free, confidential compliance assistance, call (317) 232-8172 or (800) 988-7901, or visit CTAP's Web site at www.idem.IN.gov/ctap.

A summary of violations and concerns noted during the inspection was verbally communicated to the undersigned representative during the inspection. The facility should correct any violations noted as soon as possible. Violations identified and corrected during the inspection may still be cited as violations.

A written inspection summary will be provided within 45 days. In accordance with IC 13-14-5-4, matters not evident to IDEM at the time of the inspection might not be included in either the verbal or written inspection summary.

IDEM Representative:

Printed Name	Signature	Phone Number	Date	Time
Scott Cransby	<i>Scott Cransby</i>	888/209-2893	12/2/2010	In: 9 Out:

Owner/Agent Representative:

Printed Name	Signature	Title	Phone Number	Date
MARK WALKER	<i>Mark Walker</i>	Site Leader - HSE	574 2375000	12/2/10

DISTRIBUTION: White - IDEM Public File; Canary - Office of Pollution Prevention and Technical Assistance [if OPPTA assistance is requested] or IDEM Representative (i.e., inspector) [if OPPTA assistance is not requested]; Pink - Owner/Agent Representative



EMP ID #	SVCWK	WORK ORDER #	SVC REC	AGENT #	PURCHASE ORDER #	PAGE
30048	46	00-003-TM7X	172708	505728		1 of 1
COMS CUST ID #	ROUTE			FEDERAL EPA ID #		
100998	CHICAGO SOUTH - OIL 1-1					
COMMENTS				GEN. STATUS	STATE EPA ID #	
EMERGENCY# 800-424-6800				CEBOS		
CHICAGO SOUTH OIL ON THIS SERVICE RECEIPT ONLY! (REF 7/01)						

CHICAGO SOUTH
CREDIT ALERT

CUSTOMER/SHIPPER: ROBERT BOSCH CORP. 401 NORTH BENDIX DRIVE SOUTH BEND, IN 46628	DESTINATION: HERITAGE-CRYSTAL CLEAN, LLC 219 VIRGINIA STREET GARY, IN 46402
Contact Name: MARK WALKER (874)237-6688	Phone Number: 219-880-1001
CARRIER: HERITAGE-CRYSTAL CLEAN, LLC EPA ID #: ILR 000 130 062 Phone Number: (877) 938-7948	

BILL OF LADING						
16 GAL DRUMS	30 GAL DRUMS	55 GAL DRUMS	PROPER SHIPPING NAME			TOTAL UNITS
			NONE FOR REMOVAL (USED OIL) (MARK OIL)			527.5

This is to certify that the above-named materials are properly classified, identified, packaged, marked and labeled in accordance with proper conditions for transport according to the applicable regulations of the Department of Transportation, as required. I also certify that neither hazardous waste, nor PCBs have been mixed with the label of and/or are listed on the label of applicable.

Per: Mark Walker Date: 3-25-11 Per: [Signature] HCC Carrier Date: 3-25-11

SUMMARY OF CHARGES										
TODAY'S SERVICE										
WS #	PROD. CODE	DESCRIPTION	RTD. GALS.	UNIT	SI	NEXT SVC.	LOCATION COMMENTS	UNIT PRICE	QTY.	TOTAL CHARGE

117718-1	302	USED OIL PICK UP	NONE	16	17			\$0.00	0	
	312	FUEL DELIVERED	NONE					\$15.25	1	\$15.25

527 GALS X .50 = 263.50

TAX \$0.00
SERVICE SUBTOTAL \$15.25

PRODUCTS			UNIT PRICE	QTY.	CHARGE
PRODUCT DESCRIPTION:					

PRODUCT SALES TAX
SUBTOTAL PRODUCT & TAX

MACHINE INSPECTION		SERVICE/PRODUCTS CHARGE SUMMARY													
<ul style="list-style-type: none"> Flare G P 3" x 6" Adapter G P 5" x 6" Adapter G P 5" x 6" Adapter G P 5" x 6" Adapter G P 5" x 6" Adapter G P 5" x 6" Adapter G P 5" x 6" Adapter G P 		CUSTOMER HEREBY VERIFIES THAT THE ABOVE SERVICE WORK WAS PERFORMED AND THAT SAID SERVICES AND THE CHARGES THEREFOR ARE HEREBY ACCEPTED. CUSTOMER ALSO HEREBY DEEMING THE ACCURACY AND COMPLETENESS OF ALL INFORMATION CONTAINED IN THIS WORK ORDER AND ALL INFORMATION PREVIOUSLY SUPPLIED TO HCC. THIS WORK ORDER IS DEEMED PART OF THE SERVICE AGREEMENT BETWEEN HERITAGE-CRYSTAL CLEAN, LLC AND THE CERTIFICATION CONTAINED THEREIN. CUSTOMER'S THE MATERIALS TO BE HANDLED AND THE SERVICES TO BE PROVIDED ARE INCORPORATED HEREIN BY REFERENCE AND DEEMED PART HEREOF AND SAID CERTIFICATIONS ARE DEEMED VALID FOR THE SERVICES COVERED BY THIS WORK ORDER.													
	PER		DATE	<table border="1"> <tr><td>TODAY'S SERVICE</td><td></td></tr> <tr><td>PRODUCT & TAX</td><td></td></tr> <tr><td>TOTAL AMOUNT DUE</td><td></td></tr> <tr><td>TOTAL REMITTANCE</td><td></td></tr> <tr><td>CHECK NUMBER</td><td></td></tr> </table>		TODAY'S SERVICE		PRODUCT & TAX		TOTAL AMOUNT DUE		TOTAL REMITTANCE		CHECK NUMBER	
TODAY'S SERVICE															
PRODUCT & TAX															
TOTAL AMOUNT DUE															
TOTAL REMITTANCE															
CHECK NUMBER															



CHICAGO SOUTH CREDIT ALERT

EMP ID #	SVC WK	WORK ORDER #	SVC REQ	AGRMT #	PURCHASE ORDER #	PAGE
29995	27	00-00453WK	166570	500874		1 of 1

CCMS CUST. ID #	ROUTE	FEDERAL EPA ID #
106998	CHICAGO SOUTH - ROUTE 3	

COMMENTS	GEN. STATUS	STATE EPA ID #
EMERGENCY #: 800-424-9300	CESQG	

CUSTOMER/SHIPPER: ROBERT BOSCH CORP.
 401 NORTH BENDIX DRIVE
 SOUTH BEND, IN 46628
Contact Name: MARK WALKER (574)237-5686

DESTINATION: HERITAGE-CRYSTAL CLEAN, LLC
 219 VIRGINIA STREET
 GARY, IN 46402
Phone Number: 219-890-1001

CARRIER: HERITAGE-CRYSTAL CLEAN, LLC **EPA ID #:** ILR 000 130 062 **Phone Number:** (877) 938-7948

BILL OF LADING

16 GAL. DRUMS	30 GAL. DRUMS	55 GAL. DRUMS	PROPER SHIPPING NAME	TOTAL	UNITS
			NON-DOZ/BCRA REGULATED, LAQUEOUS PARTS CLEANER		
	1		NON-DOZ/BCRA REGULATED USED PARTS CLEANER ROBEVMT, (< 119 G CONT), (NON-HAZ, WAP)	15	6

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transport according to the applicable regulations of the Department of Transportation, as required. I also certify that neither hazardous waste, nor PCBs have been mixed with the used oil and/or parts cleaner solvent (if applicable).

Per X Daniel Stachurski 7-7-11 Date
 Customer/Shipper

Per [Signature] 7-7-11 Date
 HCC/Carrier

SUMMARY OF CHARGES
TODAY'S SERVICE

WS #	PROD. CODE	DESCRIPTION	RTD. GALS.	UNIT	SI	NEXT SVC.	LOCATION COMMENTS	UNIT PRICE	QTY.	TOTAL CHARGE
117718-10-22	2702	30 GAL DM AQU LEASE	4	150408	8	35			1	
	1601 HN	DRUM MOUNT 16 GAL DR	7	150410	8	35			1	
	1633 HN	ADJUSTABLE BRAKE UNIT	4	150411	8	35			1	
	1633 HN	ADJUSTABLE BRAKE UNIT	4	150412	8	35			1	

TAX
 SERVICE SUBTOTAL

PRODUCTS

PRODUCT DESCRIPTION:	UNIT PRICE	QTY.	CHARGE

PRODUCT SALES TAX
 SUBTOTAL PRODUCT & TAX

MACHINE INSPECTION	SERVICE/PRODUCTS CHARGE SUMMARY	TODAY'S SERVICE
<ul style="list-style-type: none"> _____ Lamp Assembly G P _____ Drum Condition G P _____ Fusible Link Included G P _____ Lid Unobstructed G P _____ Properly Grounded G P _____ Local Phone # Affixed G P _____ Decals in Place G P 	CUSTOMER HEREBY VERIFIES THAT THE ABOVE SERVICES WERE PERFORMED AND THAT SAID SERVICES AND THE CHARGES THEREFORE ARE HEREBY ACCEPTED. CUSTOMER ALSO HEREBY REAFFIRMS THE ACCURACY AND COMPLETENESS OF ALL INFORMATION CONTAINED IN THIS WORK ORDER AND ALL DOCUMENTATION PREVIOUSLY SUBMITTED TO HCC. THIS WORK ORDER IS DEEMED PART OF THE SERVICE AGREEMENT BETWEEN HERITAGE-CRYSTAL CLEAN, LLC AND THE CERTIFICATIONS CONTAINED THEREIN CONCERNING THE MATERIALS TO BE HANDLED AND THE SERVICES TO BE PROVIDED ARE INCORPORATED HEREIN BY REFERENCE AND DEEMED PART HEREOF AND SAID CERTIFICATIONS ARE DEEMED REMADE FOR THE SERVICES COVERED BY THIS WORK ORDER.	_____ _____ _____ _____ _____
PER <u>X Daniel Stachurski</u> DATE <u>7-7-11</u>		CHECK NUMBER

Waste Management

Comments:

Waste Stream(s) Information

Waste Streams

Yes No Not Inspected Not Applicable

List waste stream(s) information that varies from the most recent Annual Report (Example: additional waste streams, waste streams no longer generated, significant increase/decrease in generation rate, etc.)

EPA Waste Codes	Description	Source	Generation Rate	Disposition
D001/D035/F005	Testing cleaning	Testing Operations	34 gallons per month	Heritage
Used Oil	Used Oil	Maintenance	1500-2000 gallons per year	Heritage

Exempted/Excluded Yes No Not Inspected Not Applicable

Explanation
Heritage Crystal Clean Parts Washers Reuse Program (1/15 gallon, 2/5 gallon units)

Waste Management Areas

Container Management Area(s) Yes No Not inspected Not applicable

EPA Waste Codes	Location	Number	Size	Type of Container
D001/D035/F005	Garage Area	None During this inspection	N/A	N/A
Used Oil	Garage Area	1	55 gallon	Steel

Satellite Area(s) Yes No Not inspected Not applicable

EPA Waste Codes	Location	Comments
D001/D035/F005	Warehouse warranty center	
D001/D035/F005	Lab	
D001/D035/F005	Durability Lab	
D001/D035/F005	Back Area of Durability Lab	

Tanks, Restricted Waste Sites, and Other Regulated Units

Yes No Not inspected Not applicable

Environmental Releases

Visible Releases/Contamination/Discharges Yes No Release Observed

Compliance Assistance

P2 Information

The following P2 suggestions could possibly save money, reduce waste and/or minimize risk. You might consider having a P2 assessment, or a voluntary technical assistance consultation from IDEM staff. Please visit the agency's P2 web site at <http://www.in.gov/idem/5298.htm> for additional information.

Contact by IDEM OPPTA Requested Yes No

P2 Suggestions

Guidance Materials

Guidance Materials Provided to Facility

PCB Screening					
Comments:					
PCB Screening Conducted?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Previous IDEM PCB Inspection Conducted?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Date	12/15/2003
Age of Oldest Portion of Facility per Facility Representative	1900	PCB ML Labels or PCB Marking Observed at the Facility by the Inspector	<input type="radio"/> Yes <input checked="" type="radio"/> No		
Fluid Filled Electrical Equipment Observed by Inspector	<input type="radio"/> Yes <input checked="" type="radio"/> No	Ownership of Equipment	<input type="radio"/> Facility <input checked="" type="radio"/> Public Utility	Name of Utility	AEP
Type of Fluid Filled Electrical Equipment					
PCB Storage Area Observed	<input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> Not applicable	Storage Area Location			
PCB Spills/Releases per Facility Representative	<input type="radio"/> Yes <input checked="" type="radio"/> No	Spills/Releases Observed by Inspector	<input type="radio"/> Yes <input checked="" type="radio"/> No	Description	

Multi-Media Screening (Checked box indicates a concern)	
Comments:	
Multi-Media Screening Conducted	<input checked="" type="radio"/> Yes <input type="radio"/> No
Water Concerns <input type="checkbox"/> Process wastewater discharge to a POTW collection system (i.e. sewer) without a permit <input type="checkbox"/> Direct discharge (from industrial process, industrial wastewater treatment or non-contact cooling water) to receiving water near the facility without an NPDES permit <input type="checkbox"/> Process materials such as cleaners, solvents, paints, lubricants, etc. are escaping through floor drains	Air Concerns <input type="checkbox"/> Visible emissions from stacks or vents <input type="checkbox"/> Dust crossing property lines <input type="checkbox"/> Open solvent containers <input type="checkbox"/> Spray booth filters not securely in place <input type="checkbox"/> Open burning
Storm Water Concerns <input type="checkbox"/> NOI for Rule 6 (see applicable SIC codes) <input type="checkbox"/> Storm Water Pollution Prevention Plan (must be developed within 365 days of NOI). <input type="checkbox"/> Storm water annual sample <input type="checkbox"/> Measures to ensure contaminants from industrial activities aren't exposed to storm water <input type="checkbox"/> Documented quarterly inspections of storm water	Drinking Water Concerns <input type="checkbox"/> PWSID# (applies to 25 or more employees on self-supplied drinking water system) <input type="checkbox"/> Contamination within 200 ft of wellhead TRI Concerns <input type="checkbox"/> Lack of TRI report (applies to 10 or more employees in applicable SIC codes)

<input type="checkbox"/> Subpart CC - Annual Inspection/Monitoring	BTU
Additional Requirements – LQG and SQG <input type="checkbox"/> Release to the Environment, Disposal of Solid Waste <input type="checkbox"/> Illegal Dumping <input type="checkbox"/> Land-Ban Notification <input type="checkbox"/> Other Violation	Universal Waste – All Facilities <input type="checkbox"/> Universal Waste Labeling <input type="checkbox"/> Containers - Closed, Good Condition, No Evidence of Leaks <input type="checkbox"/> Universal Waste - Bulb Crushing Prohibition

Description of Violation(s)	

Inspection Documentation	
Photographs	<input type="radio"/> Yes <input checked="" type="radio"/> No
Map	<input checked="" type="radio"/> Maps
GPS Location Collected	<input type="radio"/> Yes <input checked="" type="radio"/> No
Analytical Screening Conducted	<input type="radio"/> Yes <input checked="" type="radio"/> No
Lab Sample	<input type="radio"/> Yes <input checked="" type="radio"/> No

Inspection Results/Actions	
Comments:	
Inspection Results	
No Violation(s) Discovered	
Multi-Media Screening Results	
No violations	

Finalize Inspection		
Written Summary of Inspection	Notice of Inspection and Verbal Summary Provided	
Inspector Information	Printed/Typed Name	Scott Ormsby
	Phone Number:	(219) 757-0268
	Email Address:	sormsby@idem.in.gov
	Signature:	
Facility Representative Signature	Printed/Typed Name:	Mark Walker
	Signature:	Signature obtained on the Notice of Inspection



**OFFICE OF LAND QUALITY
HAZARDOUS WASTE HANDLER IDENTIFICATION FORM: ID FORM**

County ST JOSEPH

*Sent
3/15/11*

Information on file as of: 12/9/2010

Instructions at www.in.gov/idem/5027.htm

RCRA ID NAME
INR000102004 BOSCH AUTOMOTIVE CHASSIS

Changes needed _____

LOCATION ADDRESS

401 N BENDIX DR

*If you move you may
not use your old RCRA ID.
You must apply for a new
ID# for the new location*

Changes needed _____

SOUTH BEND IN 46628

Land type for facility location P
P-private M-municipal C-county S-state
F-federal D-district I-Indian O-Other

We moved _____ Post Office change _____

HAZARDOUS WASTE GENERATOR ACTIVITY

OLQ records
Small Quantity Generator (SQG)

Status in 2010
LOG SQG _____ CESQG _____
_____. Did not generate haz waste all year
_____. business closed

Status in 2011
LOG _____ SQG _____ CESQG _____
_____. will not generate hazardous waste
_____. business will be closed

If you mark that you are not generating haz waste, the ID# number is no longer valid and you must renotify before using it again.

MAILING ADDRESS

401 N BENDIX DR

Changes needed _____

SOUTH BEND IN 46628

CONTACT FOR HAZARDOUS WASTE ACTIVITIES

MARK WALKER
LEADFR HSE
401 N BENDIX DR

Changes needed _____

SOUTH BEND IN 46628
Phone 574-237-5688 ext:
fax:
e-mail: MARK.WALKER@US.BOSCH.COM

CONTACT FOR ANNUAL/BIENNIAL REPORT QUESTIONS

Last Name WALKER First Name MARK Title Leadfr HSE
E-mail address mark.walker@us.bosch.com Phone # 574 237 5688

CERTIFICATION

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete.

Last Name WALKER First name MARK Title Leadfr HSE
E-mail address mark.walker@us.bosch.com Phone # 574 237 5688
Signature [Signature] Date 3/15/11

Go to page 2 -->

INR000102004 BOSCH AUTOMOTIVE CHASSIS

HW FEES CONTACT (for LQGs) Fee invoices will be sent to this address

Changes needed

OWNER INFORMATION owner of the business that produces the waste

Changes needed

ROBERT BOSCH
2800 S 25TH AVE

If the business owner and the property owner differ, record both owners in the section to the right.

Business owner

BROADVIEW IL 60155-4594

Phone: 708-865-5218

fax:

e-mail

Effective: 04/10/2001

Expiration:

Owner type: P

P-private M-municipal
C-county S-state
F-federal D-district
I-Indian O-other

Property owner

Did the owner change? yes no Date of change

NAICS CODES A code that describes your type of business. Go to www.naics.com to find a list

Current codes 33634

OTHER HAZARDOUS WASTE ACTIVITIES

<input type="checkbox"/> BIF: smelting, melting, refining exemption	Transporter: _____ We no longer are a transporter	<input type="checkbox"/> US Importer of Hazardous Waste	Waste codes (list top 4) F005
<input type="checkbox"/> BIF: small quantity on site burner exemption	TSD Facility: _____	<input type="checkbox"/> Mixed Waste Generator (hazardous and radioactive)	

USED OIL ACTIVITIES

If you are just a generator of used oil this section does not apply to you.

Processor: _____ **Transporter:** _____

Rerefiner: _____ **Transfer facility:** _____

Off-spec used oil burner

Marketer who directs shipment to off-spec burner

Marketer who first claims oil meets specs

UNIVERSAL WASTE ACTIVITY

_____ Large handler: accumulates > or = 1,000 pounds

Batteries: manage **Thermostats:** manage

Pesticides: manage **Lamps:** manage

Other: manage

Specify other: see previous management

UW destination facility: Veritas

UW transporter: Veritas

TRANSFER FACILITY

Current activities

Changes Needed:

Mix Commingle

Bulk Repackage

Pump Open containers

Combine Transfer between vehicles

COMMENTS _____

Return to:
Data Services Section
Office of Land Quality
Indiana Department of Environmental Management
100 North Senate Avenue, Room 1101
Indianapolis, IN 46204-2251



ANNUAL MANIFEST SUMMARY REPORT
 State Form 52717 (R8-05)
 Indiana Department of Environmental Management

REPORT YEAR: 2010
FORM OS

OFF-SITE RCRA ID # 11-001-01-0000000000
 SHIPMENTS GENERATOR NAME Posson Auto Mobile Glass Co.

Hazardous Waste Description	Waste Codes

TSD FACILITY RCRA ID NUMBER	TSD FACILITY NAME LOCATION CITY AND STATE	QUANTITY SHIPPED AND UNIT OF MEASURE		Mgmt CODE	# OF SHIPMENTS	REFLECTED/ RETURNED	
		<input checked="" type="checkbox"/> pounds <input type="checkbox"/> kilograms	<input checked="" type="checkbox"/> short tons <input type="checkbox"/> metric tons			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
1	<u>Posson Auto Mobile Glass Co. Inc.</u> <u>Indianapolis, IN</u>	<u>2</u>	<u>pounds</u>	<u>H1</u>	<u>1</u>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
2			<input type="checkbox"/> pounds <input type="checkbox"/> kilograms	<u>H1</u>		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3			<input type="checkbox"/> pounds <input type="checkbox"/> kilograms	<u>H1</u>		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
4			<input type="checkbox"/> pounds <input type="checkbox"/> kilograms	<u>H1</u>		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

TRANSPORTER RCRA ID NUMBER	TRANSPORTER NAME
1 <u>58494000</u>	<u>H. Posson & Sons, Inc.</u>
2	
3	
4	



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
We Protect Hoosiers and Our Environment.

Mitchell E. Daniels, Jr.
Governor

Thomas W. Easterly
Commissioner

100 North Senate Avenue
Indianapolis, Indiana 46204
(317) 232-8603
Toll Free (800) 451-6027
www.idem.IN.gov

DATE: December 2010
TO: Hazardous Waste Generators and Treatment, Storage, and Disposal Facilities
RE: 2010 Hazardous Waste reporting

THE 2010 ANNUAL MANIFEST REPORT IS DUE MARCH 1, 2011. IF YOU RECEIVED THIS REMINDER, YOU ARE REQUIRED TO RESPOND.

WHO MUST SUBMIT A REPORT

- Any installation which acted as a Small Quantity Generator (SQG) or as a Large Quantity Generator (LQG) in any one calendar month during 2010.
- Any active treatment, storage, or disposal facility

HANDLER IDENTIFICATION FORM

- THE HANDLER ID FORM IS REQUIRED TO BE SUBMITTED BY ALL SQGS, LQGS, TSDS, AND ANY FACILITY THAT RECEIVED THIS NOTICE.
- The ID form should be evaluated for accuracy, corrections made if needed, signed and submitted with the rest of the report if filing in hard copy.
- If filing electronically the ID form should be sent after the electronic report is submitted.
- The ID form is NOT the entire report.

NON-HANDLERS OR CONDITIONALLY EXEMPT SQGs

- IF YOU RECEIVED THIS NOTICE YOU MUST SUBMIT THE HANDLER ID FORM
- If your facility was not a large quantity generator, small quantity generator, or treatment, storage, or disposal facility at any time in 2010, you are not required to submit the Annual Manifest Report, **HOWEVER** you must submit the Handler ID form included in this mailing.
- Review the ID form, make needed corrections, sign it, and send to the address below.
- The Hazardous Waste Generator Activity status boxes should be marked clearly to indicate the status of the facility in 2010 and expected status in 2011.

NOTE: *Handlers who have changed status during the year to conditionally exempt generators or to no longer generating hazardous waste will receive this reminder and should file a report if during any one month they acted as an LQG, SQG, or TSD.*



Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number IND984974628	2. Page 1 of 1	3. Emergency Response Phone (800)368-1221	4. Manifest Tracking Number 000435075WAS				
5. Generator Name and Site Address ROBERT EUSCH CORPORATION / MARK WALKER 401 N. BENDIX DRIVE SOUTH BEND, IN 46628 (574)237-5688 Generator's Phone:				Generator's Site Address (if different than mailing address) ROBERT EUSCH CORPORATION / MARK WALKER 401 N. BENDIX DRIVE SOUTH BEND, IN 46628 GEN: 2884					
6. Transporter 1 Company Name HERITAGE TRANSPORT, LLC					U.S. EPA ID Number IND059484114				
7. Transporter 2 Company Name					U.S. EPA ID Number				
8. Designated Facility Name and Site Address HERITAGE ENVIRONMENTAL SERVICES 7901 WEST MORRIS STREET INDIANAPOLIS, IN 46231 Facility's Phone: (317)243-0811					U.S. EPA ID Number IND093219012				
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))		10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
	X	1. RG UN1993 WASTE FLAMMABLE LIQUIDS, N.O.S., 3. PGII, (TOLUENE, ISOPROPYL ALCOHOL), (FOOS), ERG#128		3	Dm	165	G	FO05	
		2.							
		3.							
		4.							
14. Special Handling Instructions and Additional Information I.W.3_0348046_LDR ERI:HERITAGE [1544397]									
16. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.									
Generator's/Officer's Printed/Typed Name MARK WALKER				Signature <i>Mark Walker</i>		Month Day Year 9 19 11			
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____									
17. Transporter Acknowledgment of Receipt of Materials									
Transporter 1 Printed/Typed Name James Hammer				Signature <i>James Hammer</i>		Month Day Year 9 19 11			
Transporter 2 Printed/Typed Name				Signature		Month Day Year			
18. Discrepancy									
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection									
18b. Alternate Facility (or Generator) Manifest Reference Number: _____ U.S. EPA ID Number _____									
18c. Signature of Alternate Facility (or Generator) Month Day Year _____									
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)									
1. H061		2.		3.		4.			
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a									
Printed/Typed Name <i>James Hammer</i>				Signature <i>James Hammer</i>		Month Day Year 05 25 11			

Print or type (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number			
Generator's Name and Mailing Address			Generator's Site Address (if different than mailing address)					
Generator's Phone:		Generator 1 Company Name			U.S. EPA ID Number			
		Generator 2 Company Name			U.S. EPA ID Number			
Designated Facility Name and Site Address		Facility's Phone:			U.S. EPA ID Number			
GENERATOR	5a	10. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
	5b		No.	Type				
	1		3	0m	165	G		
	2							
	3							
4								
14. Special Handling Instructions and Additional Information								
<p>15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/packaged, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached FPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 282.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.</p>								
Generator's/Offeror's Printed/Typed Name				Signature		Month Day Year		
16. International Shipments		<input type="checkbox"/> Import to U.S.		<input type="checkbox"/> Export from U.S.		Port of entry/exit: _____ Date leaving U.S.: _____		
17. Transporter Acknowledgment of Receipt of Materials								
Transporter 1 Printed/Typed Name				Signature		Month Day Year		
Transporter 2 Printed/Typed Name				Signature		Month Day Year		
18. Discrepancy								
18a. Discrepancy Indication Space		<input type="checkbox"/> Quantity	<input type="checkbox"/> Type	<input type="checkbox"/> Residue	<input type="checkbox"/> Partial Rejection	<input type="checkbox"/> Full Rejection		
Manifest Reference Number: _____								
19a. Alternate Facility (or Generator)					U.S. EPA ID Number			
Facility's Phone:		19b. Signature of Alternate Facility (or Generator)			Month Day Year			
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)								
1	2	3	4					
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a								
Printed/Typed Name				Signature		Month Day Year		



**LAND DISPOSAL RESTRICTIONS (LDR)
NOTICE AND CERTIFICATION**

Generator Name: ROBERT BOSCH CORPORATION

Manifest Tracking No.: 000435075WAS EPA I.D. No.: IND984874628



(1) Waste Does Not Meet Applicable Treatment Standards: This is a restricted waste that does not meet the applicable treatment standards set forth in Subpart D of 40 CFR Part 268.

I certify that the information provided on this and any additional pages of this LDR notification is true, accurate and complete.

Authorized Signature: *Mark Walker* Print Name: MARK WALKER

Company/Title: Robert Bosch / Leader HSE Date: 9/19/11

(1) Manifest Page/Line	(2) Hazardous Waste Codes	(3) Wastewater Or Non Wastewater	(4) Subcategory (if applicable)	(5) Underlying Constituents	(6) Applicable Certification
1.1	F005	NWW		NA	1

This form is required for F001-F005 spent solvents, characteristic wastes requiring identification of underlying hazardous constituents, or for F039 leachate only. For each F001-F005 spent solvent, characteristic waste requiring identification of underlying hazardous constituents, or F039 leachate, check all constituents listed below and verify that they are appropriate to the wastestreams identified.

Regulated Constituent(s)
(Check all that apply)

1.1 191 TOLUENE

DUPLICATE

Stop Ticket

Stop#: 1415248-9000

Trip#: 1036546

Pick-up: 09/19/11 - 09/19/11



Site#: 2884

EPA ID#: IND984874628
PO#: INTERACTIVE

Internal Contact
BILLIE DZUNDA (877)381-2341

Mailing Address

MARK WALKER
ROBERT BOSCH CORPORATION
401 N. BENDIX DRIVE
SOUTH BEND, IN 46628
UNITED STATES

Site Address (None)

ROBERT BOSCH CORPORATION
401 N. BENDIX DRIVE
SOUTH BEND, IN 46628
UNITED STATES

Phone# (574)237-5688
WALKER, MARK - (574)237-5688

HERITAGE TRANSPORT, LLC (8000) (317)486-2973
IND058484114 US DOT#: 314460

Emergency Rate _____ Pickup Demurrage _____ Final Delivery Demurrage _____

Tractor# 2398 Trailer# 35-13

Liner Qty _____

PICKUP TIME: 08:00-15:00

- 1) DELAYED AT A PRIOR STOP
- 2) RESCHEDULED (CUSTOMER OR HERITAGE)
- 3) CUSTOMER NOT AVAILABLE AT SCHEDULED TIME
- 4) TRUCK / EQUIPMENT BREAKDOWN OR UNAVAILABLE
- 5) PAPERWORK OR INCOMPATIBILITY ISSUE
- 6) TRAFFIC / WEATHER / CONSTRUCTION / DIRECTIONS
- 7) FULL TRUCK (REQUIRES RESCHEDULE)
- 8) DOT HOS / DRIVER ILLNESS
- 9) CUSTOMER ACCEPTED EARLY (SIGNATURE REQUIRED)

Driver# 4920 Driver Name Jamie La Mesa Date 9-19-11

HERITAGE ENVIRONMENTAL SERVICES (9000) IND093219012
7901 WEST MORRIS STREET, INDIANAPOLIS, IN 46231 UNITED STATES (317)243-0811

P/U	Items	Common Name	See Manifest	Transaction	Prod	Ref#	Ord	Type
	1	BRAKE FLUID / OIL ISOPROPYL MIXTURE	000435075WAS-1	3077837	68	Y3Y	3	DM

Site Rep Name _____ Signature _____ Date _____



EMP ID #	SVC WK	WORK ORDER #	SVC REQ	AGRMT #	PURCHASE ORDER #	PAGE
30048	46	00-003TN7X	172708	505728		1 of 1
CCMS CUST. ID #	ROUTE		FEDERAL EPA ID #			
106998	CHICAGO SOUTH - OIL 1-1					
COMMENTS			GEN. STATUS	STATE EPA ID #		
EMERGENCY#: 800-424-9300			CESOG			
CHICAGO SOUTH OIL ON THIS SERVICE REQUEST ONLY! (MAP 7/07)						

CHICAGO SOUTH CREDIT ALERT



CUSTOMER/SHIPPER: ROBERT BOSCH CORP. 401 NORTH BENDIX DRIVE SOUTH BEND, IN 46628	DESTINATION: HERITAGE-CRYSTAL CLEAN, LLC 219 VIRGINIA STREET GARY, IN 46402
Contact Name: MARK WALKER (574)237-5698	Phone Number: 219-680-1001

CARRIER: HERITAGE-CRYSTAL CLEAN, LLC EPA ID #: ILR 000 130 062 Phone Number: (877) 938-7948

BILL OF LADING				
16 GAL. DRUMS	30 GAL. DRUMS	55 GAL. DRUMS	PROPER SHIPPING NAME	TOTAL UNITS
			NON-DYE REGULATED, (USED OIL), (USED OIL)	527 6

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transport according to the applicable regulations of the Department of Transportation, as required. I also certify that neither hazardous waste, nor PCBs have been mixed with the used oil and/or parts cleaner solvent (if applicable).

Per Mark Walker Date 3-25-11 Per C. Marble Date 3-25-11
Customer/Shipper HCC/Carrier

SUMMARY OF CHARGES

WS #	PROD. CODE	DESCRIPTION	RTD. GALS.	UNIT	SI	NEXT SVC.	LOCATION COMMENTS	UNIT PRICE	QTY.	TOTAL CHARGE
117718-1	306	USED OIL PICK UP	NONE	16	17			\$0.00	0	
	310	FUEL SURCHARGE - 05	NONE					\$15.25	1	\$15.25

527 GALS x .50 = 263.50

TAX \$0.00
SERVICE SUBTOTAL \$15.25

PRODUCTS		
PRODUCT DESCRIPTION:	UNIT PRICE	CHARGE

PRODUCT SALES TAX
SUBTOTAL PRODUCT & TAX

MACHINE INSPECTION	SERVICE/PRODUCTS CHARGE SUMMARY
address G P Lamp Assembly G P Drum Condition G P Fuelin Link Installed G P Lid Unobstructed G P Properly Grounded G P Local Phone # Affixed G P Decals in Place G P	CUSTOMER HEREBY VERIFIES THAT THE ABOVE SERVICES WERE PERFORMED AND THAT SAID SERVICES AND THE CHARGES THEREFORE ARE HEREBY ACCEPTED. CUSTOMER ALSO HEREBY REAFFIRMS THE ACCURACY AND COMPLETENESS OF ALL INFORMATION CONTAINED IN THIS WORK ORDER AND ALL DOCUMENTATION PREVIOUSLY SUBMITTED TO HCC. THIS WORK ORDER IS DEEMED PART OF THE SERVICE AGREEMENT BETWEEN HERITAGE-CRYSTAL CLEAN, LLC AND THE CERTIFICATIONS CONTAINED THEREIN CONCERNING THE MATERIALS TO BE HANDLED AND THE SERVICES TO BE PROVIDED ARE INCORPORATED HEREIN BY REFERENCE AND DEEMED PART HEREOF AND SAID CERTIFICATIONS ARE DEEMED REMADE FOR THE SERVICES COVERED BY THIS WORK ORDER. PER <u>Mark Walker</u> DATE <u>3-25-11</u>
	TODAY'S SERVICE PRODUCT & TAX TOTAL AMOUNT DUE TOTAL REMITTANCE CHECK NUMBER



EMP ID #	SVCWK	WORK ORDER #	SVC REQ	AGRMT #	PURCHASE ORDER #	PAGE
30048	46	00-003TN7X	172708	505728		1 of 1
CCMS CUST. ID #	ROUTE				FEDERAL EPA ID #	
106998	CHICAGO SOUTH - OIL 1-1					
COMMENTS			GEN. STATUS	STATE EPA ID #		
EMERGENCY#: 800-424-8300			CESQG			
CHICAGO SOUTH OIL ON THIS SERVICE REQUEST ONLY! (NAP 7/07)						

CHICAGO SOUTH
CREDIT ALERT



CUSTOMER/SHIPPER: ROBERT BOSCH CORP. 401 NORTH BENDIX DRIVE SOUTH BEND, IN 46628	DESTINATION: HERITAGE-CRYSTAL CLEAN, LLC 219 VIRGINIA STREET GARY, IN 46402
Contact Name: MARK WALKER (574)237-5688	Phone Number: 219-880-1001

CARRIER: HERITAGE-CRYSTAL CLEAN, LLC EPA ID #: ILR 000 130 062 Phone Number: (877) 938-7948

16 GAL. DRUMS		30 GAL. DRUMS		55 GAL. DRUMS		PROPER SHIPPING NAME	TOTAL	UNITS
						NON-REGULATED, (USED OIL), (USED OIL)	527	6

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transport according to the applicable regulations of the Department of Transportation, as required. I also certify that neither hazardous waste, nor PCBs have been mixed with the used oil and/or parts cleaner solvent (if applicable).

Per Mark Walker Date 3-25-11 Per C. J. Apple HCC/Carrier Date 3-25-11

SUMMARY OF CHARGES
TODAY'S SERVICE

WS #	PROD. CODE	DESCRIPTION	RTD. GALS.	UNIT	SI	NEXT SVC.	LOCATION COMMENTS	UNIT PRICE	QTY.	TOTAL CHARGE
117718-1	306	USED OIL PICK UP		NONE	16	17		\$0.00	0	
	310	FUEL SURCHARGE - OS		NONE-				\$15.25	1	\$15.25
527 GALS X .50 = 263.50										
TAX \$0.00										
SERVICE SUBTOTAL \$15.25										

PRODUCTS

PRODUCT DESCRIPTION:	UNIT PRICE	QTY.	CHARGE

PRODUCT SALES TAX
SUBTOTAL PRODUCT & TAX

MACHINE INSPECTION	SERVICE/PRODUCTS CHARGE SUMMARY	
<ul style="list-style-type: none"> Business G P Lamp Assembly G P Drum Condition G P Fuel Filter Installed G P Lid Unobstructed G P Properly Grounded G P Local Phone # affixed G P Drums in Place G P 	<p>CUSTOMER HEREBY VERIFIES THAT THE ABOVE SERVICES WERE PERFORMED AND THAT SAID SERVICES AND THE CHARGES THEREFOR ARE HEREBY ACCEPTED. CUSTOMER ALSO HEREBY REAFFIRMS THE ACCURACY AND COMPLETENESS OF ALL INFORMATION CONTAINED IN THIS WORK ORDER AND ALL DOCUMENTATION PREVIOUSLY SUBMITTED TO HCC. THIS WORK ORDER IS DEEMED PART OF THE SERVICE AGREEMENT BETWEEN HERITAGE-CRYSTAL CLEAN, LLC AND THE CERTIFICATIONS CONTAINED THEREIN CONCERNING THE MATERIALS TO BE HANDLED AND THE SERVICES TO BE PROVIDED ARE INCORPORATED HEREIN BY REFERENCE AND DEEMED PART HEREOF AND SAID CERTIFICATIONS ARE DEEMED REMADE FOR THE SERVICES COVERED BY THIS WORK ORDER.</p> <p>PER <u>Mark Walker</u> DATE <u>3-25-11</u></p>	<p>TODAY'S SERVICE</p> <p>PRODUCT & TAX</p> <p>TOTAL AMOUNT DUE</p> <p>TOTAL REMITTANCE</p> <p>CHECK NUMBER</p>



EMP ID #	SVCWK	WORK ORDER #	SVC REQ	AGRMT #	PURCHASE ORDER #	PAGE
29995	27	00-00453WK	166570	500874		1 of 1
CCMS CUST. ID #	ROUTE				FEDERAL EPA ID #	
106998	CHICAGO SOUTH - ROUTE 3					
COMMENTS				GEN. STATUS	STATE EPA ID #	
EMERGENCY#: 800-424-9300				CESQG		

**CHICAGO SOUTH
CREDIT ALERT**

CUSTOMER/SHIPPER: ROBERT BOSCH CORP. 401 NORTH BENDIX DRIVE SOUTH BEND, IN 46626	DESTINATION: HERITAGE-CRYSTAL CLEAN, LLC 219 VIRGINIA STREET GARY, IN 46402
Contact Name: MARK WALKER (574)237-5668	Phone Number: 219-860-1001

CARRIER: HERITAGE-CRYSTAL CLEAN, LLC **EPA ID #:** ILR 000 130 062 **Phone Number:** (877) 938-7948

BILL OF LADING

16 GAL. DRUMS	30 GAL. DRUMS	55 GAL. DRUMS	PROPER SHIPPING NAME	TOTAL	UNITS
1			NON-POYRCHA REGULATED, (AQUICIDE PARTS CLEANER)		
			NON-POYRCHA REGULATED, USED PARTS CLEANER SOLVENT, (5 115 G CONT), (NON-HAZ, HAP)	15	6

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transport according to the applicable regulations of the Department of Transportation, as required. I also certify that neither hazardous waste, nor PCBs have been mixed with the used of and/or parts cleaner solvent (if applicable).

Per X Donald Stachurski 7-7-11 Date
Customer/Shipper

Per [Signature] 7-7-11 Date
HCC/Carrier

SUMMARY OF CHARGES

TODAY'S SERVICE

WS #	PROD. CODE	DESCRIPTION	RTD. GALS.	UNIT	SI	NEXT SVC.	LOCATION COMMENTS	UNIT PRICE	QTY.	TOTAL CHARGE
117718-10-22	2702	30 GAL. DM AQU LEASE	3	150408	8	35			1	
	1601 HN	DRUM MOUNT 16 GAL. DR	7	150410	8	35			1	
	1633 HN	ADJUSTABLE BRAKE UNIT	4	150411	8	35			1	
	1633 HN	ADJUSTABLE BRAKE UNIT	4	150412	8	35			1	

TAX
SERVICE SUBTOTAL

PRODUCTS

PRODUCT DESCRIPTION:	UNIT PRICE	QTY.	CHARGE
----------------------	------------	------	--------

PRODUCT SALES TAX
SUBTOTAL PRODUCT & TAX

MACHINE INSPECTION	SERVICE/PRODUCTS CHARGE SUMMARY										
<ul style="list-style-type: none"> _____ G P _____ G P _____ G P _____ G P _____ G P _____ G P _____ G P _____ G P _____ G P 	<p>CUSTOMER HEREBY VERIFIES THAT THE ABOVE SERVICES WERE PERFORMED AND THAT SAID SERVICES AND THE CHARGES THEREFORE ARE HEREBY ACCEPTED. CUSTOMER ALSO HEREBY REAFFIRMS THE ACCURACY AND COMPLETENESS OF ALL INFORMATION CONTAINED IN THIS WORK ORDER AND ALL DOCUMENTATION PREVIOUSLY SUBMITTED TO HCC. THIS WORK ORDER IS DEEMED PART OF THE SERVICE AGREEMENT BETWEEN HERITAGE-CRYSTAL CLEAN, LLC AND THE CERTIFICATIONS CONTAINED THEREIN CONCERNING THE MATERIALS TO BE HANDLED AND THE SERVICES TO BE PROVIDED ARE INCORPORATED HEREIN BY REFERENCE AND DEEMED PART HEREOF AND SAID CERTIFICATIONS ARE DEEMED REMADE FOR THE SERVICES COVERED BY THIS WORK ORDER.</p> <p>PER <u>X Donald Stachurski</u> DATE <u>7-7-11</u></p>										
	<table border="1"> <tr><td>TODAY'S SERVICE</td><td></td></tr> <tr><td>PRODUCT & TAX</td><td></td></tr> <tr><td>TOTAL AMOUNT DUE</td><td></td></tr> <tr><td>TOTAL REMITTANCE</td><td></td></tr> <tr><td>CHECK NUMBER</td><td></td></tr> </table>	TODAY'S SERVICE		PRODUCT & TAX		TOTAL AMOUNT DUE		TOTAL REMITTANCE		CHECK NUMBER	
TODAY'S SERVICE											
PRODUCT & TAX											
TOTAL AMOUNT DUE											
TOTAL REMITTANCE											
CHECK NUMBER											

IDEM

County ST JOSEPH

OFFICE OF LAND QUALITY HAZARDOUS WASTE HANDLER IDENTIFICATION FORM: ID FORM

Information on file as of : 12/9/2010

Instructions at www.in.gov/idem/5027.htm

RCRA ID NAME
INR000102004 BOSCH AUTOMOTIVE CHASSIS

Changes needed

LOCATION ADDRESS

401 N BENDIX DR

SOUTH BEND IN 46628

If you move you may not use your old RCRA ID. You must apply for a new ID# for the new location

Changes needed

Land type for facility location P P-private M-municipal C-county S-state F-federal D-district I-Indian O-Other

We moved Post Office change

HAZARDOUS WASTE GENERATOR ACTIVITY

OLQ records

Small Quantity Generator (SQG)

Status in 2010

LOG SQG CESQG

Did not generate haz waste all year
 business closed

Status in 2011

LQG SQG CESQG

will not generate hazardous waste
 business will be closed

If you mark that you are not generating haz waste, the ID# number is no longer valid and you must renotify before using it again.

MAILING ADDRESS

401 N BENDIX DR

SOUTH BEND IN 46628

Changes needed

CONTACT FOR HAZARDOUS WASTE ACTIVITIES

MARK WALKER
LEADER HSE
401 N BENDIX DR

SOUTH BEND IN 46628

Phone 574-237-5688 ext:

fax:

e-mail: MARK.WALKER@US.BOSCH.COM

Changes needed

CONTACT FOR ANNUAL/BIENNIAL REPORT QUESTIONS

Last Name WALKER

First Name MARK

Title Leader HSE

E-mail address mark.walker@us.bosch.com

Phone # 574 237 5688

CERTIFICATION

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete.

Last Name WALKER

First name MARK

Title Leader HSE

E-mail address mark.walker@us.bosch.com

Phone # 574 237 5688

Signature Mark Walker

Date 3/15/11

Go to page 2-->

sent 3/15/11

INR000102004 BOSCH AUTOMOTIVE CHASSIS

HW FEES CONTACT (for LQGs) Fee invoices will be sent to this address

Changes needed

OWNER INFORMATION owner of the business that produces the waste

Changes needed

ROBERT BOSCH
2800 S 25TH AVE

If the business owner and the property owner differ, record both owners in the section to the right.

Business owner

BROADVIEW IL 60155-4594

Phone: 708-865-5218

fax:

e-mail

Effective: 04/10/2001

Expiration:

Owner type: P

P-private M-municipal

C-county S-state

F-federal D-district

I-Indian O-other

Property owner

Did the owner change? yes no Date of change

NAICS CODES A code that describes your type of business. Go to www.naics.com to find a list

Current codes 33634

OTHER HAZARDOUS WASTE ACTIVITIES

<input type="checkbox"/> BIF: smelting, molting, refining exemption <input type="checkbox"/> BIF: small quantity on site burner exemption	Transporter: _____ We no longer are a transporter	<input type="checkbox"/> US Importer of Hazardous Waste <input type="checkbox"/> Mixed Waste Generator (hazardous and radioactive)	Waste codes (list top 4) 6041 _____ _____
TSD Facility: _____			

USED OIL ACTIVITIES

If you are just a generator of used oil this section does not apply to you.

Processor: _____ Transporter: _____

Rerefiner: _____ Transfer facility: _____

Off-spec used oil burner

Marketer who directs shipment to off-spec burner

Marketer who first claims oil meets specs

UNIVERSAL WASTE ACTIVITY

Large handler: accumulates > or = 1,000 pounds

Batteries: _____ manage Thermostats manage

Pesticides: _____ manage Lamps manage

Other: _____ manage

Specify other: see page 1

UW destination facility Verba

UW transporter Verba

TRANSFER FACILITY

Current activities

Changes Needed:

<input type="checkbox"/> Mix	<input type="checkbox"/> Commingle
<input type="checkbox"/> Bulk	<input type="checkbox"/> Repackago
<input type="checkbox"/> Pump	<input type="checkbox"/> Open containers
<input type="checkbox"/> Combine	<input type="checkbox"/> Transfer between vehicles

COMMENTS

Return to:
 Data Services Section
 Office of Land Quality
 Indiana Department of Environmental Management
 100 North Senate Avenue, Room 1101
 Indianapolis, IN 46204-2251



ANNUAL MANIFEST SUMMARY REPORT
State Form 52717 (R/6-95)
Indiana Department of Environmental Management

REPORT YEAR: 2008

FORM OS

OFF-SITE SHIPMENTS

RORA ID: 11010101010101010101
GENERATOR NAME: Barton Automotive Classics

Hazardous Waste Description	Waste Codes

TSD FACILITY RCRA ID NUMBER	TSD FACILITY NAME LOCATION CITY AND STATE	QUANTITY SHIPPED AND UNIT OF MEASURE	MGMT CODE	# OF SHIPMENTS	REFLECTED/ RETURNED
1 <u>11010101010101010101</u>	<u>Indiana Automotive Classics, LLC Lawrenceburg, Indiana</u>	<input checked="" type="checkbox"/> kilograms <input type="checkbox"/> short tons <input type="checkbox"/> metric tons	H121011	1	<input type="checkbox"/> Yes <input type="checkbox"/> No
2		<input type="checkbox"/> kilograms <input type="checkbox"/> short tons <input type="checkbox"/> metric tons			<input type="checkbox"/> Yes <input type="checkbox"/> No
3		<input type="checkbox"/> kilograms <input type="checkbox"/> short tons <input type="checkbox"/> metric tons			<input type="checkbox"/> Yes <input type="checkbox"/> No
4		<input type="checkbox"/> kilograms <input type="checkbox"/> short tons <input type="checkbox"/> metric tons			<input type="checkbox"/> Yes <input type="checkbox"/> No

TRANSPORTER RCRA ID NUMBER	TRANSPORTER NAME
1 <u>11010101010101010101</u>	<u>Hazardous Waste Transporters, LLC</u>
2	
3	
4	



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels, Jr.
Governor

Thomas W. Easterly
Commissioner

100 North Senate Avenue
Indianapolis, Indiana 46204
(317) 232-8603
Toll Free (800) 451-6027
www.idem.IN.gov

DATE: December 2010
TO: Hazardous Waste Generators and Treatment, Storage, and Disposal Facilities
RE: 2010 Hazardous Waste reporting

THE 2010 ANNUAL MANIFEST REPORT IS DUE MARCH 1, 2011. IF YOU RECEIVED THIS REMINDER, YOU ARE REQUIRED TO RESPOND.

WHO MUST SUBMIT A REPORT

- Any installation which acted as a Small Quantity Generator (SQG) or as a Large Quantity Generator (LQG) in any one calendar month during 2010.
- Any active treatment, storage, or disposal facility

HANDLER IDENTIFICATION FORM

- THE HANDLER ID FORM IS REQUIRED TO BE SUBMITTED BY ALL SQGS, LQGS, TSDS, AND ANY FACILITY THAT RECEIVED THIS NOTICE.
- The ID form should be evaluated for accuracy, corrections made if needed, signed and submitted with the rest of the report if filing in hard copy.
- If filing electronically the ID form should be sent after the electronic report is submitted.
- The ID form is NOT the entire report.

NON-HANDLERS OR CONDITIONALLY EXEMPT SQGs

- IF YOU RECEIVED THIS NOTICE YOU MUST SUBMIT THE HANDLER ID FORM
- If your facility was not a large quantity generator, small quantity generator, or treatment, storage, or disposal facility at any time in 2010, you are not required to submit the Annual Manifest Report, **HOWEVER** you must submit the Handler ID form included in this mailing.
- Review the ID form, make needed corrections, sign it, and send to the address below.
- The Hazardous Waste Generator Activity status boxes should be marked clearly to indicate the status of the facility in 2010 and expected status in 2011.

NOTE: *Handlers who have changed status during the year to conditionally exempt generators or to no longer generating hazardous waste will receive this reminder and should file a report if during any one month they acted as an LQG, SQG, or TSD.*



Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number IND984874428	2. Page 1 of 1	3. Emergency Response Phone (800)366-1221	4. Manifest Tracking Number 000435075WAS				
5. Generator's Name and Mailing Address ROBERT BUSCH CORPORATION / MARK WALKER 401 N. BENDIX DRIVE SOUTH BEND, IN 46628 (574)237-5688		Generator's Site Address (if different than mailing address) ROBERT BUSCH CORPORATION / MARK WALKER 401 N. BENDIX DRIVE SOUTH BEND, IN 46628 GEN: 2884			Generator's Phone:				
6. Transporter 1 Company Name HERITAGE TRANSPORT, LLC				U.S. EPA ID Number IND058484114					
7. Transporter 2 Company Name				U.S. EPA ID Number					
8. Designated Facility Name and Site Address HERITAGE ENVIRONMENTAL SERVICES 7901 WEST MORRIS STREET INDIANAPOLIS IN 46231 (317)243-0811				U.S. EPA ID Number IND093219012					
Facility's Phone:									
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))		10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
	X	1. RO UN1993, WASTE FLAMMABLE LIQUIDS, N.O.S., 3. PGII, (TOLUENE, ISOPROPYL ALCOHOL), (F005), ERG#128		3 Dm		165	G	F005	
		2.							
		3.							
		4.							
14. Special Handling Instructions and Additional Information 1. MS_G348046_LDR ERI:HERITAGE [1544897]									
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/picarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.									
Generator's/Offoror's Printed/Typed Name MARK WALKER				Signature <i>Mark Walker</i>		Month Day Year 9 12 11			
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____									
17. Transporter Acknowledgment of Receipt of Materials									
18. Discrepancy									
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection									
18b. Alternate Facility (or Generator) Manifest Reference Number: _____ U.S. EPA ID Number _____									
18c. Signature of Alternate Facility (or Generator) _____ Month Day Year _____									
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)									
20. Designated Facility Owner or Operator, Certification of receipt of hazardous materials covered by the manifest except as noted in item 18b									
Printed/Typed Name <i>James LaMare</i>				Signature <i>James LaMare</i>		Month Day Year 05 25 11			

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
		5. Generator Name and Mailing Address		6. Generator's Site Address (if different than mailing address)	
7. Generator's Phone		8. Generator 1 Company Name			9. U.S. EPA ID Number
10. Generator 2 Company Name		11. Generator 2 Company Name			12. U.S. EPA ID Number
13. Generator 3 Company Name		14. Generator 3 Company Name			15. U.S. EPA ID Number
16. Facility's Phone		17. Facility's Address			
18. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))		10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.
1. 100 lbs. of waste		3 Dr		145	6
2.					
3.					
4.					
19. Special Handling Instructions and Additional Information					
<p>20. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter I certify that the contents of this consignment conform to the terms of the attached FPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.</p>					
21. Generator's/Officer's Printed/Typed Name		Signature			Month Day Year
22. International Shipments		<input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.		Port of entry/exit: _____ Date leaving U.S.: _____	
23. Transporter signature (for experts only)		Signature			Month Day Year
24. Transporter Acknowledgment of Receipt of Materials		Signature			Month Day Year
25. Signature of Alternate Facility (or Generator)		Signature			Month Day Year
26. Discrepancy					
27. Discrepancy Indication Space		<input type="checkbox"/> Quantity	<input type="checkbox"/> Type	<input type="checkbox"/> Residue	<input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection
		Manifest Reference Number:			
28. Alternate Facility (or Generator)		U.S. EPA ID Number			
29. Facility's Phone		Signature of Alternate Facility (or Generator)			
					Month Day Year
30. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)					
1.	2.	3.	4.		
31. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 16a					
Printed/Typed Name		Signature			Month Day Year

LAND DISPOSAL RESTRICTIONS (LDR)
NOTICE AND CERTIFICATION

1 of 1

Generator Name: ROBERT BOSCH CORPORATION
Manifest Tracking No.: 000435075WAS EPA I.D. No.: IND984874628



(1) Waste Does Not Meet Applicable Treatment Standards: This is a restricted waste that does not meet the applicable treatment standards set forth in Subpart D of 40 CFR Part 268.

I certify that the information provided on this and any additional pages of this LDR notification is true, accurate and complete.

Authorized Signature: Mark Walker Print Name: MARK WALKER

Company/Title: Robert Bosch / Leader HSE Date: 9/19/11

(1) Manifest Page/Line	(2) Hazardous Waste Codes	(3) Wastewater Or Non Wastewater	(4) Subcategory (if applicable)	(5) Underlying Constituents	(6) Applicable Certification
1.1	F005	NWW		NA	1

This form is required for F001-F005 spent solvents, characteristic wastes requiring identification of underlying hazardous constituents, or for F039 leachate only. For each F001-F005 spent solvent, characteristic waste requiring identification of underlying hazardous constituents, or F039 leachate, check all constituents listed below and verify that they are appropriate to the wastestreams identified.

Regulated Constituent(s)
(Check all that apply)

1.1 191 TOLUENE

Stop Ticket

Stop#: 1415248-9000

Trip#: 1036546

Pick-up: 09/19/11 - 09/19/11

Site#: 2884

EPA ID#: IND984874628
PO#: INTERACTIVE

Internal Contact
BILLIE DZUNDA (877)381-2341



Mailing Address

MARK WALKER
ROBERT BOSCH CORPORATION
401 N. BENDIX DRIVE
SOUTH BEND, IN 46628
UNITED STATES

Site Address

(None)

ROBERT BOSCH CORPORATION
401 N. BENDIX DRIVE
SOUTH BEND, IN 46628
UNITED STATES

Phone# (574)237-5688
WALKER, MARK - (574)237-5688

HERITAGE TRANSPORT, LLC (8000) (317)486-2973
IND058484114 US DOT#: 314460

Emergency Rate _____ Pickup Demurrage _____ Final Delivery Demurrage _____

Tractor# 2398

Trailer# 35-13

Liner Qty _____

PICKUP TIME: 08:00-15:00

- 1) DELAYED AT A PRIOR STOP
- 2) RESCHEDULED (CUSTOMER OR HERITAGE)
- 3) CUSTOMER NOT AVAILABLE AT SCHEDULED TIME
- 4) TRUCK / EQUIPMENT BREAKDOWN OR UNAVAILABLE
- 5) PAPERWORK OR INCOMPATIBILITY ISSUE
- 6) TRAFFIC / WEATHER / CONSTRUCTION / DIRECTIONS
- 7) FULL TRUCK (REQUIRES RESCHEDULE)
- 8) DOT HOS / DRIVER ILLNESS
- 9) CUSTOMER ACCEPTED EARLY (SIGNATURE REQUIRED)

Driver# 4970 Driver Name Jamie La Mesa Date 9-19-11

HERITAGE ENVIRONMENTAL SERVICES (9000)
7901 WEST MORRIS STREET, INDIANAPOLIS, IN 46231 UNITED STATES

IND093219012
(317)243-0811

P/U Items	Common Name	See Manifest	Transaction	Prod	Ref#	Ord	Type
1	BRAKE FLUID / OIL ISOPROPYL MIXTURE	000435075WAS-1	3077837	68	Y3Y	3	DM

Site Rep Name _____ Signature _____ Date _____



EMP ID #	SVC WK	WORK ORDER #	SVC REQ	AGRMT #	PURCHASE ORDER #	PAGE
28995	27	00-00453WK	166570	500874		1 of 1

CCMS CUST. ID #	ROUTE	FEDERAL EPA ID #
106998	CHICAGO SOUTH - ROUTE 3	

COMMENTS	GEN. STATUS	STATE EPA ID #
EMERGENCY#: 800-424-8300	CESQG	

CHICAGO SOUTH CREDIT ALERT

CUSTOMER/SHIPPER: ROBERT BOSCH CORP. 401 NORTH BENDIX DRIVE SOUTH BEND, IN 46628 Contact Name: MARK WALKER (574)237-5688	DESTINATION: HERITAGE-CRYSTAL CLEAN, LLC 219 VIRGINIA STREET GARY, IN 46402 Phone Number: 219-880-1001
------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------

CARRIER: HERITAGE-CRYSTAL CLEAN, LLC **EPA ID #:** ILR 000 130 062 **Phone Number:** (877) 938-7948

BILL OF LADING				
16 GAL DRUMS	30 GAL DRUMS	55 GAL DRUMS	PROPER SHIPPING NAME	TOTAL UNITS
			NON-ROV/RCEA REGULATED, (AEROSOL PARTS CLEANER)	
1			NON-ROV/RCEA REGULATED USED PARTS CLEANER SOLVENT, (C 119 G CONT), IRON-BASE, WASH	15 G

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transport according to the applicable regulations of the Department of Transportation, as required. I also certify that neither hazardous waste, nor PCBs have been mixed with the used oil and/or parts cleaner solvent (if applicable).

Per *X Daniel Stachurski* 7-7-11 Date Per *[Signature]* 7-7-11 Date

SUMMARY OF CHARGES

WS #	PROD. CODE	DESCRIPTION	RTD. GALS.	UNIT	SI	NEXT SVC.	LOCATION COMMENTS	UNIT PRICE	QTY.	TOTAL CHARGE
117718-10-22	2702	30 GAL DM AQU LEASE	4	150408	8	35			1	
	1601 HN	DRUM MOUNT 16 GAL DR	7	150410	8	35			1	
	1633 HN	ADJUSTABLE BRAKE UNIT	4	150411	8	35			1	
	1633 HN	ADJUSTABLE BRAKE UNIT	4	150412	8	35			1	

TAX										
SERVICE SUBTOTAL										
PRODUCTS										
PRODUCT DESCRIPTION:								UNIT PRICE	QTY.	CHARGE

PRODUCT SALES TAX									
SUBTOTAL PRODUCT & TAX									

MACHINE INSPECTION	SERVICE/PRODUCTS CHARGE SUMMARY
<ul style="list-style-type: none"> Wash G P Using Assembly G P Drum Condition G P Fuel/Fit & Leak Inspected G P Lid Uncollected G P Properly Grounded G P Local Phone # advised G P Details in Place G P 	<p>CUSTOMER HEREBY VERIFIES THAT THE ABOVE SERVICES WERE PERFORMED AND THAT SAID SERVICES AND THE CHARGES THEREFORE ARE HEREBY ACCEPTED. CUSTOMER ALSO HEREBY REAFFIRMS THE ACCURACY AND COMPLETENESS OF ALL INFORMATION CONTAINED IN THIS WORK ORDER AND ALL DOCUMENTATION PREVIOUSLY SUBMITTED TO HCC. THIS WORK ORDER IS DEEMED PART OF THE SERVICE AGREEMENT BETWEEN HERITAGE-CRYSTAL CLEAN, LLC AND THE CERTIFICATIONS CONTAINED THEREIN CONCERNING THE MATERIALS TO BE HANDLED AND THE SERVICES TO BE PROVIDED ARE INCORPORATED HEREBY BY REFERENCE AND DEEMED PART HEREOF AND SAID CERTIFICATIONS ARE DEEMED REMADE FOR THE SERVICES COVERED BY THIS WORK ORDER.</p> <p>PER <i>X Daniel Stachurski</i> DATE <u>7-7-11</u></p>
	TODAY'S SERVICE
	PRODUCT & TAX
	TOTAL AMOUNT DUE
	TOTAL REMITTANCE
	CHECK NUMBER



Please print or type. (Form designed for use on ellipse (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number IND984974428	2. Page 1 of 1	3. Emergency Response Phone (800)326-1221	4. Manifest Tracking Number 000435075WAS
-----------------------------------------	----------------------------------------	-------------------	----------------------------------------------	---------------------------------------------

5. Generator Name and Mailing Address ROBERT BUECH CORPORATION / MARK WALKER 401 N. BENDIX DRIVE SOUTH BEND, IN 46628 (574)287-5688	Generator Site Address (if different than mailing address) ROBERT BUECH CORPORATION / MARK WALKER 401 N. BENDIX DRIVE SOUTH BEND, IN 46628 GEN: 2884
-------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------

6. Transporter 1 Company Name HERITAGE TRANSPORT, LLC	U.S. EPA ID Number IND058484114
----------------------------------------------------------	------------------------------------

7. Transporter 2 Company Name	U.S. EPA ID Number
-------------------------------	--------------------

8. Designated Facility Name and Site Address HERITAGE ENVIRONMENTAL SERVICES 7901 WEST MORRIS STREET INDIANAPOLIS, IN 46231 Facility's Phone: (317)243-0811	U.S. EPA ID Number IND093219012
-------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
		No.	Type					
X	1. RQ UN1993, WASTE FLAMMABLE LIQUIDS, N.O.S., 3, PGII, (TOLUENE, ISOPROPYL ALCOHOL), (F005), ERG#128	3	Dm	165	G	F005		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information 1.03_G348046_LDR	ERI:HERITAGE [1544897]
----------------------------------------------------------------------------------	------------------------

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Officer's Printed/Typed Name MARK WALKER	Signature <i>Mark Walker</i>	Month Day Year 9/19/11
---------------------------------------------------------	---------------------------------	---------------------------

16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.	Port of entry/exit: _____
Transporter signature (for exports only): _____	Date leaving U.S.: _____

17. Transporter Acknowledgment of Receipt of Materials	Signature	Month Day Year
Transporter 1 Printed/Typed Name James Hammer	<i>James Hammer</i>	9/19/11
Transporter 2 Printed/Typed Name	Signature	Month Day Year

18. Discrepancy	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection
-----------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

18b. Alternate Facility (or Generator)	Manifest Reference Number:	U.S. EPA ID Number
Facility's Phone:		

18c. Signature of Alternate Facility (or Generator)	Month Day Year
-----------------------------------------------------	----------------

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)			
1. H061	2.	3.	4.

20. Designated Facility Owner or Operator. Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a	Signature	Month Day Year
<i>James Hammer</i>	<i>James Hammer</i>	05/25/11

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number				
Generator's Name and Mailing Address			Generator's Site Address (if different than mailing address)						
Generator's Phone:			U.S. EPA ID Number						
Transporter's Company Name			U.S. EPA ID Number						
Receiver's Name and Site Address			U.S. EPA ID Number						
Facility's Phone:			U.S. EPA ID Number						
Seq. No.	U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit WL/Vol.	13. Waste Codes			
		No.	Type						
1		3	DM	15	5				
2									
3									
4									
15. Special Handling Instructions and Additional Information									
<p>15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter I certify that the contents of this consignment conform to the terms of the attached FPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.</p>									
Generator's/Officer's Printed/Typed Name					Signature		Month	Day	Year
16. International Shipments		<input type="checkbox"/> Import to U.S.		<input type="checkbox"/> Export from U.S.		Port of entry/exit: _____			
Transporter signature (for exports only):		Date leaving U.S.:							
17. Transporter Acknowledgment of Receipt of Materials					Signature		Month	Day	Year
Signature of Receiver's Name					Signature		Month	Day	Year
18. Discrepancy									
Discrepancy Indication Space		<input type="checkbox"/> Quantity	<input type="checkbox"/> Type	<input type="checkbox"/> Residue	<input type="checkbox"/> Partial Rejection	<input type="checkbox"/> Full Rejection			
Manifest Reference Number:					U.S. EPA ID Number				
19. Alternate Facility (or Generator)					U.S. EPA ID Number				
Facility's Phone:					Signature of Alternate Facility (or Generator)				
					Signature		Month	Day	Year
20. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)									
1	2	3	4						
21. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a									
Printed/Typed Name					Signature		Month	Day	Year

Stop Ticket

Stop#: 1415248-9000

Trip#: 1036546

Pick-up: 09/19/11 - 09/19/11



Site#: 2884

EPA ID#: IND984874628
PO#: INTERACTIVE

Internal Contact
BILLIE DZUNDA (877)381-2341

Mailing Address

MARK WALKER
ROBERT BOSCH CORPORATION
401 N. BENDIX DRIVE
SOUTH BEND, IN 46628
UNITED STATES

Site Address

(None)

ROBERT BOSCH CORPORATION
401 N. BENDIX DRIVE
SOUTH BEND, IN 46628
UNITED STATES

Phone# (574)237-5688

WALKER, MARK - (574)237-5688

HERITAGE TRANSPORT, LLC (8000) (317)486-2973

IND058484114

US DOT#: 314460

Emergency Rate _____ Pickup Demurrage _____ Final Delivery Demurrage _____

Tractor# 2398

Trailer# 35-13

Liner Qty _____

PICKUP TIME: 08:00-15:00

- | | |
|-----------------------------------------------|--------------------------------------------------|
| 1) DELAYED AT A PRIOR STOP | 6) TRAFFIC / WEATHER / CONSTRUCTION / DIRECTIONS |
| 2) RESCHEDULED (CUSTOMER OR HERITAGE) | 7) FULL TRUCK (REQUIRES RESCHEDULE) |
| 3) CUSTOMER NOT AVAILABLE AT SCHEDULED TIME | 8) DOT HOS / DRIVER ILLNESS |
| 4) TRUCK / EQUIPMENT BREAKDOWN OR UNAVAILABLE | 9) CUSTOMER ACCEPTED EARLY (SIGNATURE REQUIRED) |
| 5) PAPERWORK OR INCOMPATIBILITY ISSUE | |

Driver# 4970 Driver Name *James La Mesa* Date 9-19-11

HERITAGE ENVIRONMENTAL SERVICES (9000)

IND093219012

7901 WEST MORRIS STREET, INDIANAPOLIS, IN 46231 UNITED STATES

(317)243-0811

P/U	Items	Common Name	See Manifest	Transaction	Prod	Ref#	Ord	Type
	1	BRAKE FLUID / OIL ISOPROPYL MIXTURE	000435075WAS-1	3077837	68	Y3Y	3	DM

Site Rep
Name _____ Signature _____ Date _____



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

Northwest Regional Office
8380 Louisiana Street
Merrillville, Indiana 46410
(219) 757-0265
Toll Free (888) 209-8892
Fax (219) 757-0267
www.idem.IN.gov

VIA CERTIFIED MAIL: 7007 3020 0003 2715 1116

Mr. Mark Walker
Robert Bosch Braking Systems
401 N Bendix Dr
South Bend, In 46628

December 6, 2010

Re: Inspection Summary Letter
Robert Bosch Braking Systems
INR 000 102 004
South Bend, St Joseph County

Dear Mr. Walker:

On 12/2/2010, a representative of the Indiana Department of Environmental Management, Office of Land Quality, Northwest Regional Office, conducted an inspection of Robert Bosch Braking Systems, located at 401 N Bendix Dr, South Bend, IN. This inspection was conducted pursuant to IC 13-14-2-2. For your information, and in accordance with IC 13-14-5, a summary of the inspection is provided below:

Type of Inspection: Compliance Evaluation Inspection

Results of Inspection: No Violation(s) Discovered

Please direct any response to this letter and any questions to me at (219) 757-0268.

Sincerely,

Scott Ormsby
Industrial Waste Section
Northwest Regional Office

Enclosure

cc: St Joseph County Health Department



NOTICE OF INSPECTION
State Form 50890 (R3 / 11-05)

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
100 N. Senate Avenue
Indianapolis, IN 46204-2251
Telephone: (800) 451-6027 or (317) 232-8603

This is to notify you that on 12/2/2010 an inspection of Booch Automotive Chassis was conducted by the undersigned representative of the Indiana Department of Environmental Management (IDEM), Office of Land.

Type of Inspection (may include more than one):

- CEE
-
-
- Complaint
- Multi-Media Screening Evaluation
- Other

Preliminary Inspection/Screening Findings:

These findings are considered preliminary and identify specific compliance issues discovered during the above-noted inspection that the designated agent of IDEM believes may be a violation of a statute(s), rule(s) or permit(s) issued by IDEM.

Single Media Inspection:

- No violations were discovered with respect to the particular items observed during the inspection.
- Violations were discovered but corrected during the inspection.
- Violations were discovered and require a submittal from you and/or follow-up inspection by IDEM.
- Violations were discovered and may subject you to an appropriate enforcement response.
- Additional information/review is required to evaluate overall compliance.
- Other / Comments (attachment may be included)

Multi-Media Screening (Please note that a multi-media screening is not a comprehensive evaluation of the compliance status of the facility):

- Multi-media screening not conducted.
- No violations were discovered with respect to the limited multi-media screening conducted by IDEM.
- Potential violations were discovered but corrected during the inspection.
- Potential violations were discovered and may be further investigated.

Pollution Prevention:

Pollution prevention is the preferred means of environmental protection in Indiana. The goal of pollution prevention is to promote changes in business and commercial operation, especially manufacturing processes, so that Indiana businesses increase productivity, generate less environmental wastes, reduce their regulatory responsibilities and become more profitable. Your participation in Indiana's pollution prevention program is entirely voluntary. If you have any pollution prevention questions, you may contact our Office of Pollution Prevention and Technical Assistance (OPPTA) at (317) 232-8172 or (800) 988-7901, or visit OPPTA's Web site at www.idem.IN.gov/oppta/p2/. Would your company like to be contacted by IDEM's Office of Pollution Prevention and Technical Assistance? Yes No

Compliance Assistance:

In addition to the compliance assistance offered by IDEM's individual programs, IDEM's Compliance and Technical Assistance Program (CTAP) offers free, confidential compliance assistance to regulated entities, including small businesses and municipalities, throughout Indiana. In the future, if you would like to request free, confidential compliance assistance, call (317) 232-8172 or (800) 988-7901, or visit CTAP's Web site at www.idem.IN.gov/ctap.

A summary of violations and concerns noted during the inspection was verbally communicated to the undersigned representative during the inspection. The facility should correct any violations noted as soon as possible. Violations identified and corrected during the inspection may still be cited as violations.

A written inspection summary will be provided within 45 days. In accordance with IC 13-14-5-4, matters not evident to IDEM at the time of the inspection might not be included in either the verbal or written inspection summary.

IDEM Representative:

Printed Name	Signature	Phone Number	Date	Time
Scott Chastby	<i>Scott Chastby</i>	888/209 2892	12/2/2010	In: 9 Out:

Owner/Agent Representative:

Printed Name	Signature	Title	Phone Number	Date
MARK WALKER	<i>Mark Walker</i>	Siteleader - MSE	574 2375184	12/2/10

Waste Management

Comments:

Waste Stream(s) Information

Waste Streams

Yes No Not Inspected Not Applicable

List waste stream(s) information that varies from the most recent Annual Report (Example: additional waste streams, waste streams no longer generated, significant increase/decrease in generation rate, etc.)

EPA Waste Codes	Description	Source	Generation Rate	Disposition
D001/D035/F005	Testing cleaning	Testing Operations	34 gallons per month	Heritage
Used Oil	Used Oil	Maintenance	1500-2000 gallons per year	Heritage

Exempted/Excluded Yes No Not Inspected Not Applicable

Explanation

Explanation

Heritage Crystal Clean Parts Washers Reuse Program (1/15 gallon, 2/5 gallon units)

Waste Management Areas

Container Management Area(s) Yes No Not inspected Not applicable

EPA Waste Codes	Location	Number	Size	Type of Container
D001/D035/F005	Garage Area	None During this inspection	N/A	N/A
Used Oil	Garage Area	1	55 gallon	Steel

Satellite Area(s) Yes No Not inspected Not applicable

EPA Waste Codes	Location	Comments
D001/D035/F005	Warehouse warranty center	
D001/D035/F005	Lab	
D001/D035/F005	Durability Lab	
D001/D035/F005	Back Area of Durability Lab	

Tanks, Restricted Waste Sites, and Other Regulated Units

Yes No Not inspected Not applicable

Environmental Releases

Visible Releases/Contamination/Discharges Yes No Release Observed

Compliance Assistance

P2 Information

The following P2 suggestions could possibly save money, reduce waste and/or minimize risk. You might consider having a P2 assessment, or a voluntary technical assistance consultation from IDEM staff. Please visit the agency's P2 web site at <http://www.in.gov/idem/5298.htm> for additional information.

Contact by IDEM OPPTA Requested Yes No

P2 Suggestions

Guidance Materials

Guidance Materials Provided to Facility

PCB Screening					
Comments:					
PCB Screening Conducted?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Previous IDEM PCB Inspection Conducted?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Date	12/15/2003
Age of Oldest Portion of Facility per Facility Representative	1900	PCB ML Labels or PCB Marking Observed at the Facility by the Inspector	<input type="radio"/> Yes <input checked="" type="radio"/> No		
Fluid Filled Electrical Equipment Observed by Inspector	<input type="radio"/> Yes <input checked="" type="radio"/> No	Ownership of Equipment	<input type="radio"/> Facility <input checked="" type="radio"/> Public Utility	Name of Utility	AEP
Type of Fluid Filled Electrical Equipment					
PCB Storage Area Observed	<input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> Not applicable	Storage Area Location			
PCB Spills/Releases per Facility Representative	<input type="radio"/> Yes <input checked="" type="radio"/> No	Spills/Releases Observed by Inspector	<input type="radio"/> Yes <input checked="" type="radio"/> No	Description	

Multi-Media Screening (Checked box indicates a concern)	
Comments:	
Multi-Media Screening Conducted	<input checked="" type="radio"/> Yes <input type="radio"/> No
Water Concerns <input type="checkbox"/> Process wastewater discharge to a POTW collection system (i.e. sewer) without a permit <input type="checkbox"/> Direct discharge (from industrial process, industrial wastewater treatment or non-contact cooling water) to receiving water near the facility without an NPDES permit <input type="checkbox"/> Process materials such as cleaners, solvents, paints, lubricants, etc. are escaping through floor drains	Air Concerns <input type="checkbox"/> Visible emissions from stacks or vents <input type="checkbox"/> Dust crossing property lines <input type="checkbox"/> Open solvent containers <input type="checkbox"/> Spray booth filters not securely in place <input type="checkbox"/> Open burning
Storm Water Concerns <input type="checkbox"/> NOI for Rule 6 (see applicable SIC codes) <input type="checkbox"/> Storm Water Pollution Prevention Plan (must be developed within 365 days of NOI). <input type="checkbox"/> Storm water annual sample <input type="checkbox"/> Measures to ensure contaminants from industrial activities aren't exposed to storm water <input type="checkbox"/> Documented quarterly inspections of storm water	Drinking Water Concerns <input type="checkbox"/> PWSID# (applies to 25 or more employees on self-supplied drinking water system) <input type="checkbox"/> Contamination within 200 ft of wellhead TRI Concerns <input type="checkbox"/> Lack of TRI report (applies to 10 or more employees in applicable SIC codes)

<input type="checkbox"/> Subpart CC - Annual Inspection/Monitoring	BTU
Additional Requirements – LQG and SQG <input type="checkbox"/> Release to the Environment, Disposal of Solid Waste <input type="checkbox"/> Illegal Dumping <input type="checkbox"/> Land-Ban Notification <input type="checkbox"/> Other Violation	Universal Waste – All Facilities <input type="checkbox"/> Universal Waste Labeling <input type="checkbox"/> Containers - Closed, Good Condition, No Evidence of Leaks <input type="checkbox"/> Universal Waste - Bulb Crushing Prohibition

Description of Violation(s)

Inspection Documentation	
Photographs	<input type="radio"/> Yes <input checked="" type="radio"/> No
Map	<input checked="" type="radio"/> Maps
GPS Location Collected	<input type="radio"/> Yes <input checked="" type="radio"/> No
Analytical Screening Conducted	<input type="radio"/> Yes <input checked="" type="radio"/> No
Lab Sample	<input type="radio"/> Yes <input checked="" type="radio"/> No

Inspection Results/Actions	
Comments:	
Inspection Results	No Violation(s) Discovered
Multi-Media Screening Results	No violations

Finalize Inspection	
Written Summary of Inspection	Notice of Inspection and Verbal Summary Provided
Inspector Information	Printed/Typed Name: Scott Ormsby
	Phone Number: (219) 757-0268
	Email Address: sormsby@idem.in.gov
	Signature: _____
Facility Representative Signature	Printed/Typed Name: Mark Walker
	Signature: Signature obtained on the Notice of Inspection

APPENDIX F
IDEM RECORDS FROM VIRTUAL FILE CABINET

APPENDIX G
SELECT IDEM RECORDS

APPENDIX H
HISTORICAL RECORDS DOCUMENTATION

From Bendix to Bosch: South Bend's history

1924: Bendix Corporation founded in South Bend



1982: Allied Corp. purchases the Bendix Corporation



1985: Allied Corp. and Signal companies merge



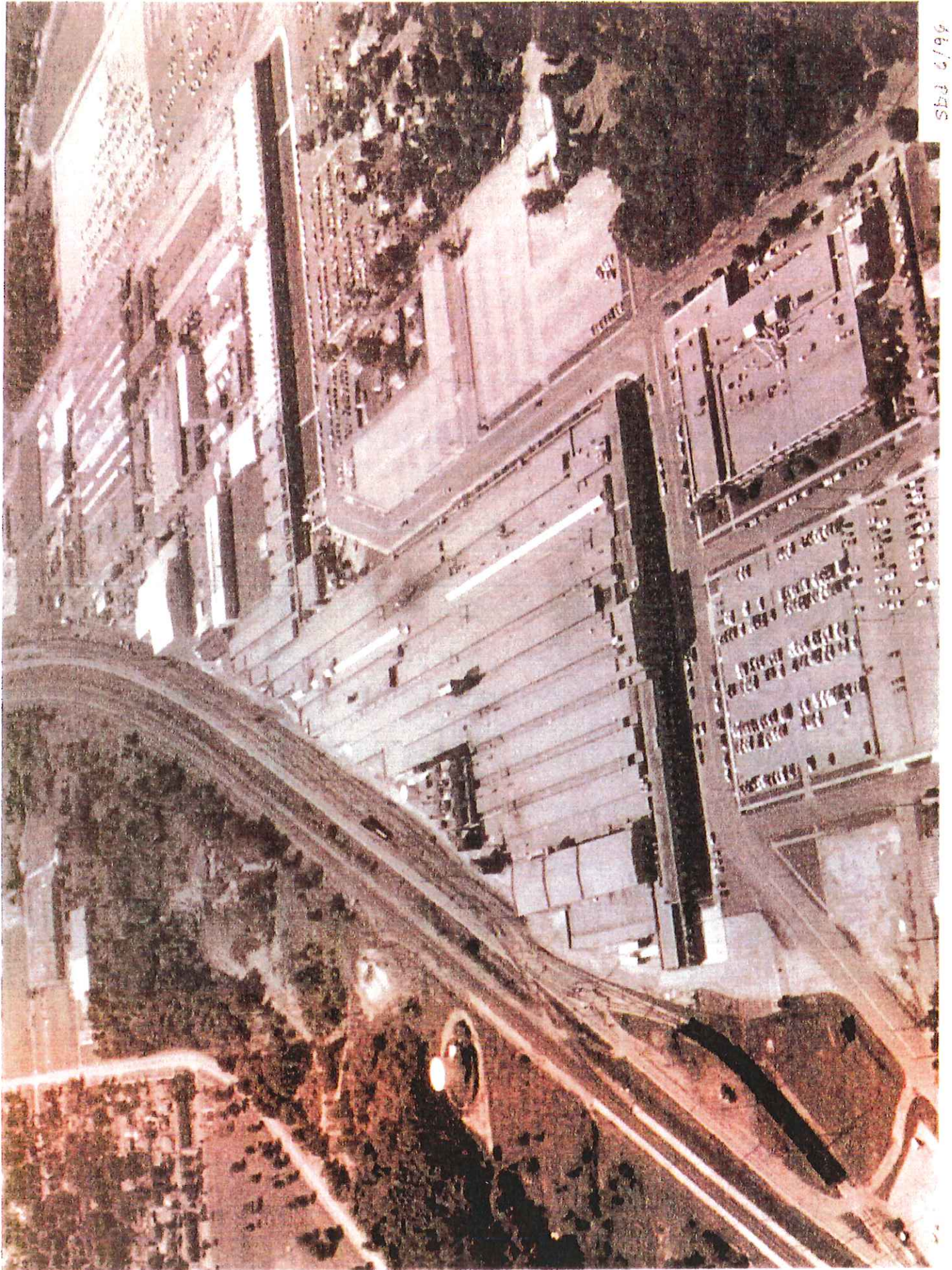
1995: AlliedSignal acquires Budd Wheel & Brake Division

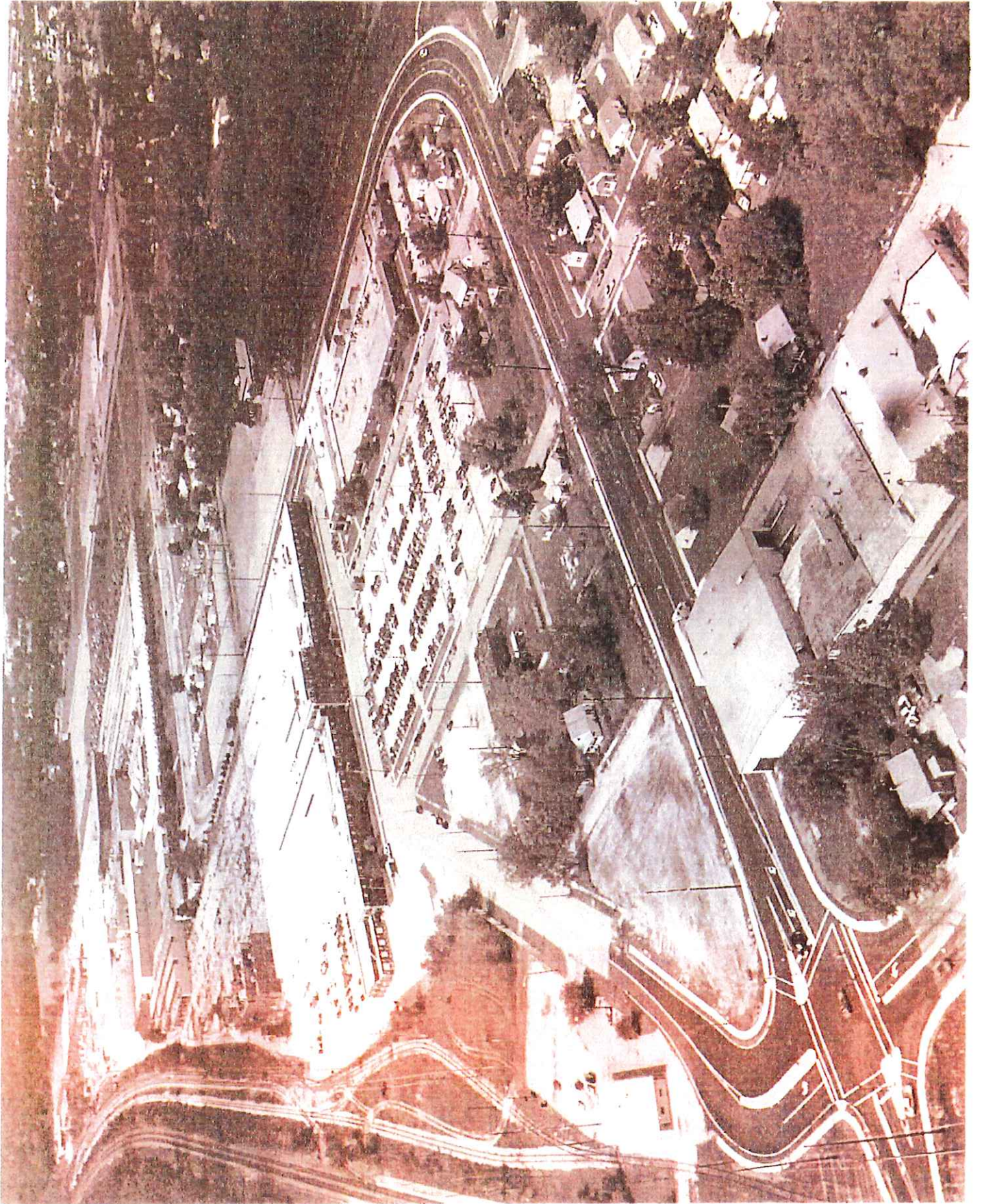


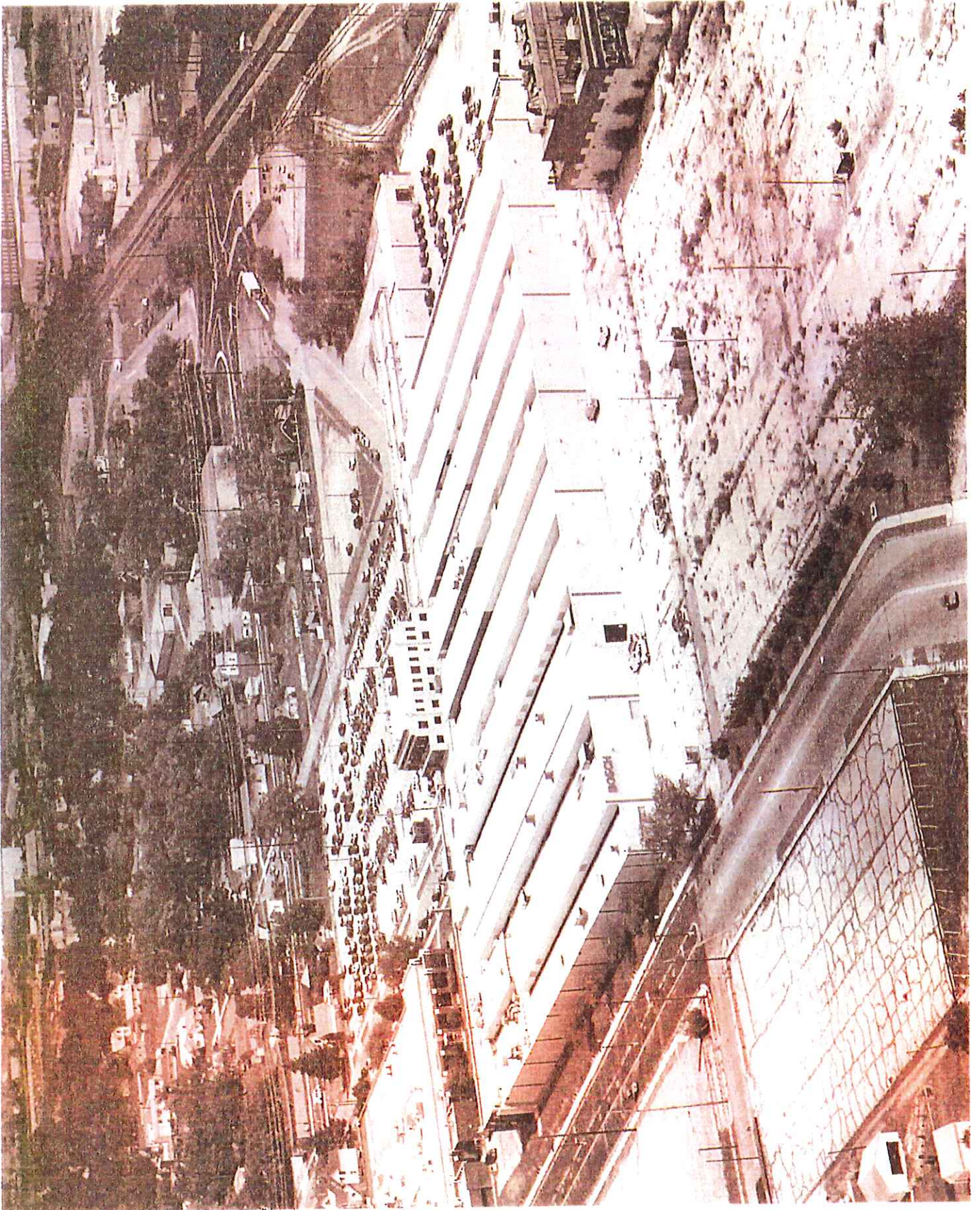
1996: Robert Bosch acquires AlliedSignal's Braking Systems Division



56/2 PMS









Bosch Property

N Bendix Drive/Kenwood Ave
South Bend, IN 46628

Inquiry Number: 3178470.4

October 04, 2011



EDR Historical Topographic Map Report



440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

EDR Historical Topographic Map Report

Environmental Data Resources, Inc.'s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDR's Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900s.

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

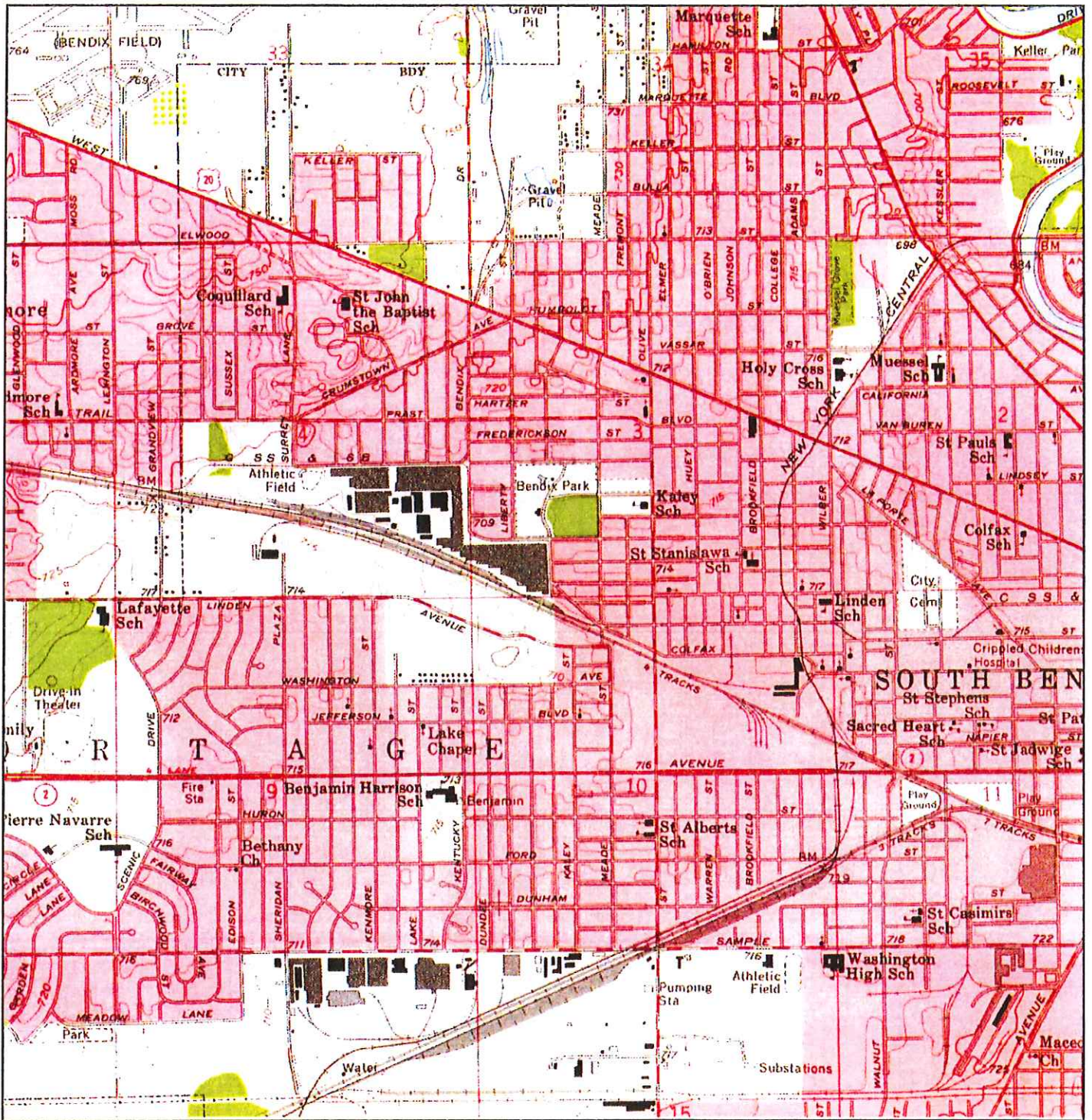
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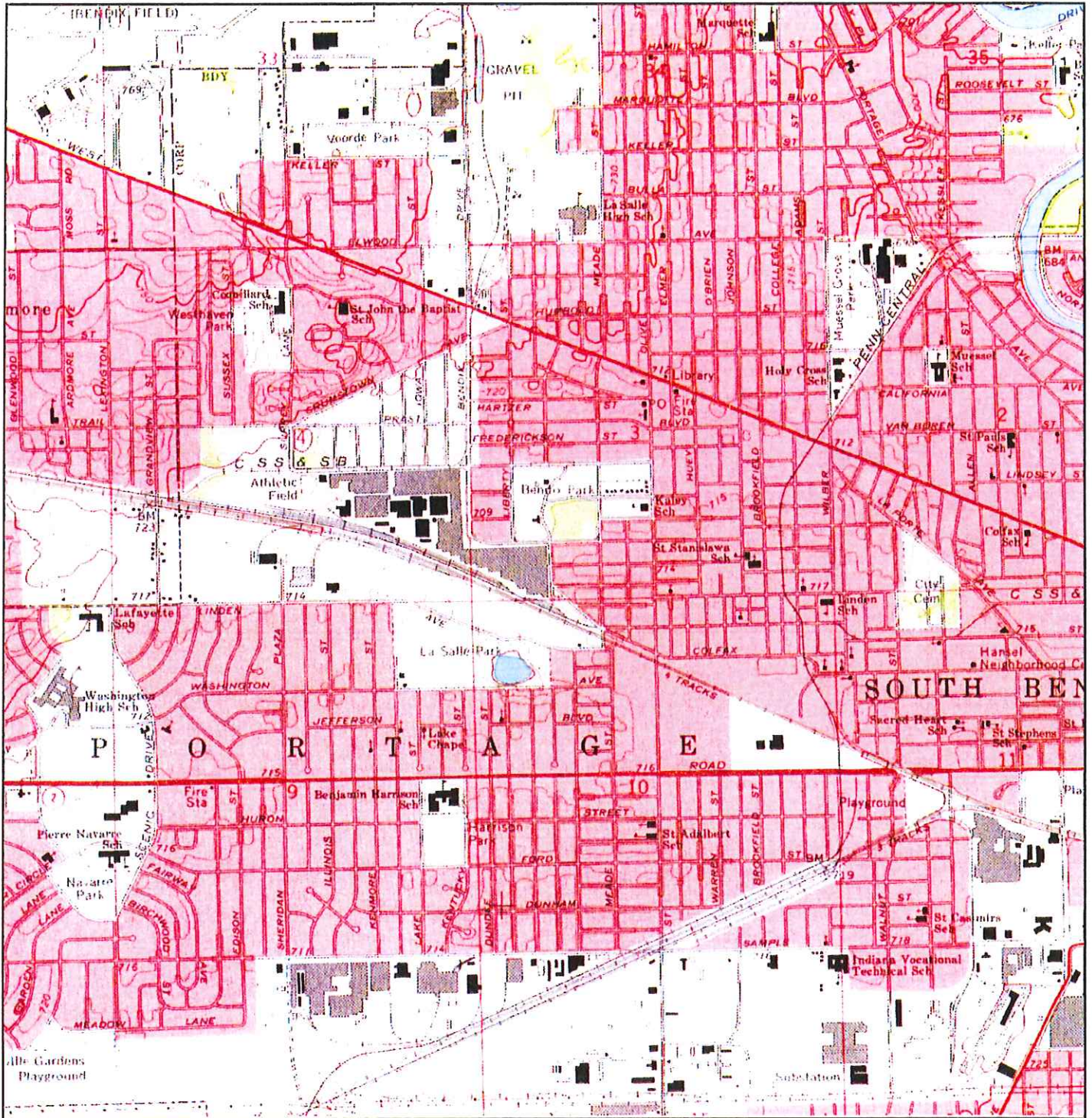
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Historical Topographic Map



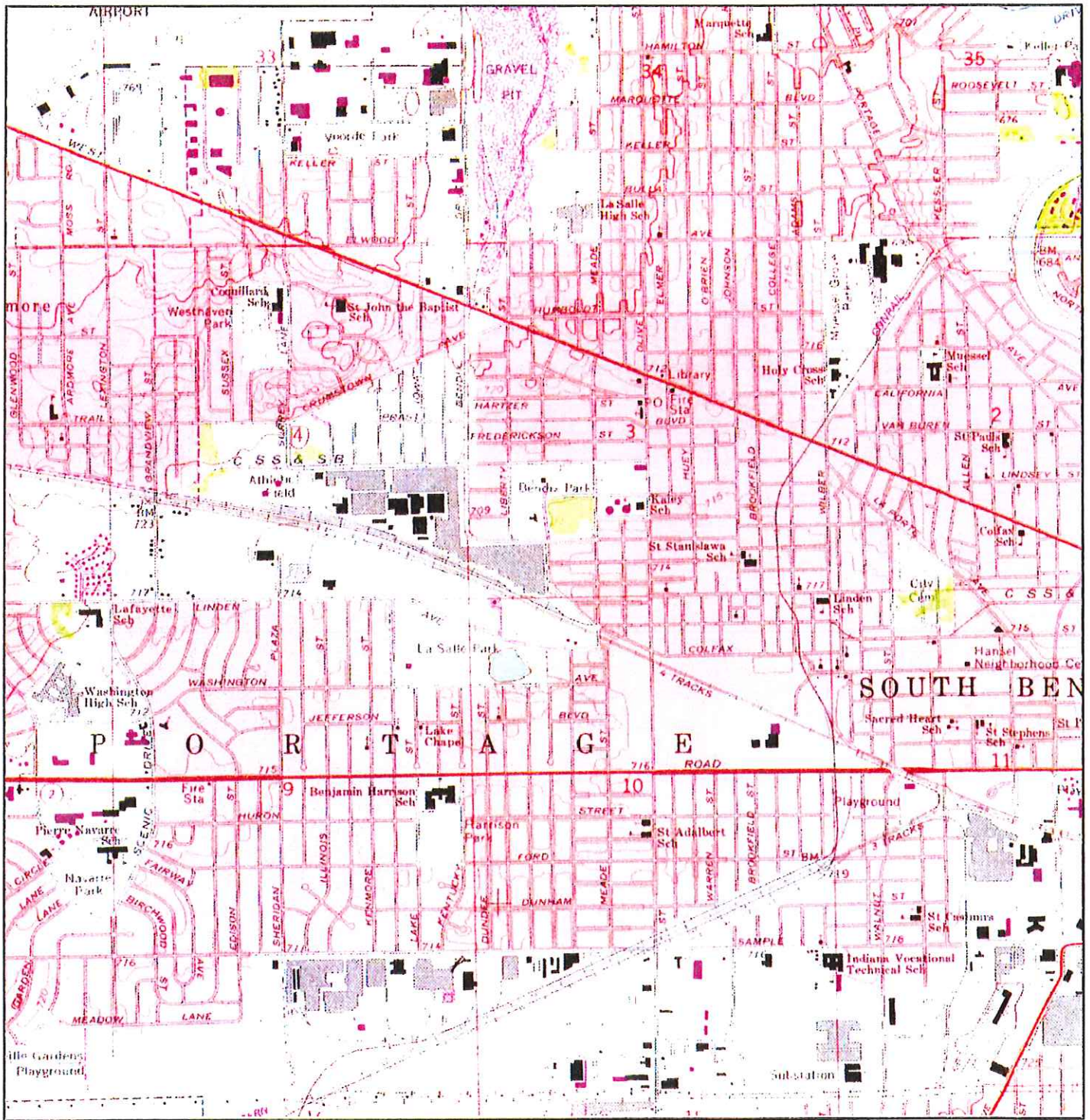
N 	TARGET QUAD NAME: SOUTH BEND WEST MAP YEAR: 1958	SITE NAME: Bosch Property ADDRESS: N Bendix Drive/Kenwood Ave South Bend, IN 46628 LAT/LONG: 41.6806 / -86.289	CLIENT: Weaver Boos Consultants CONTACT: Ed Stefanek INQUIRY#: 3178470.4 RESEARCH DATE: 10/04/2011
	SERIES: 7.5 SCALE: 1:24000		


Historical Topographic Map



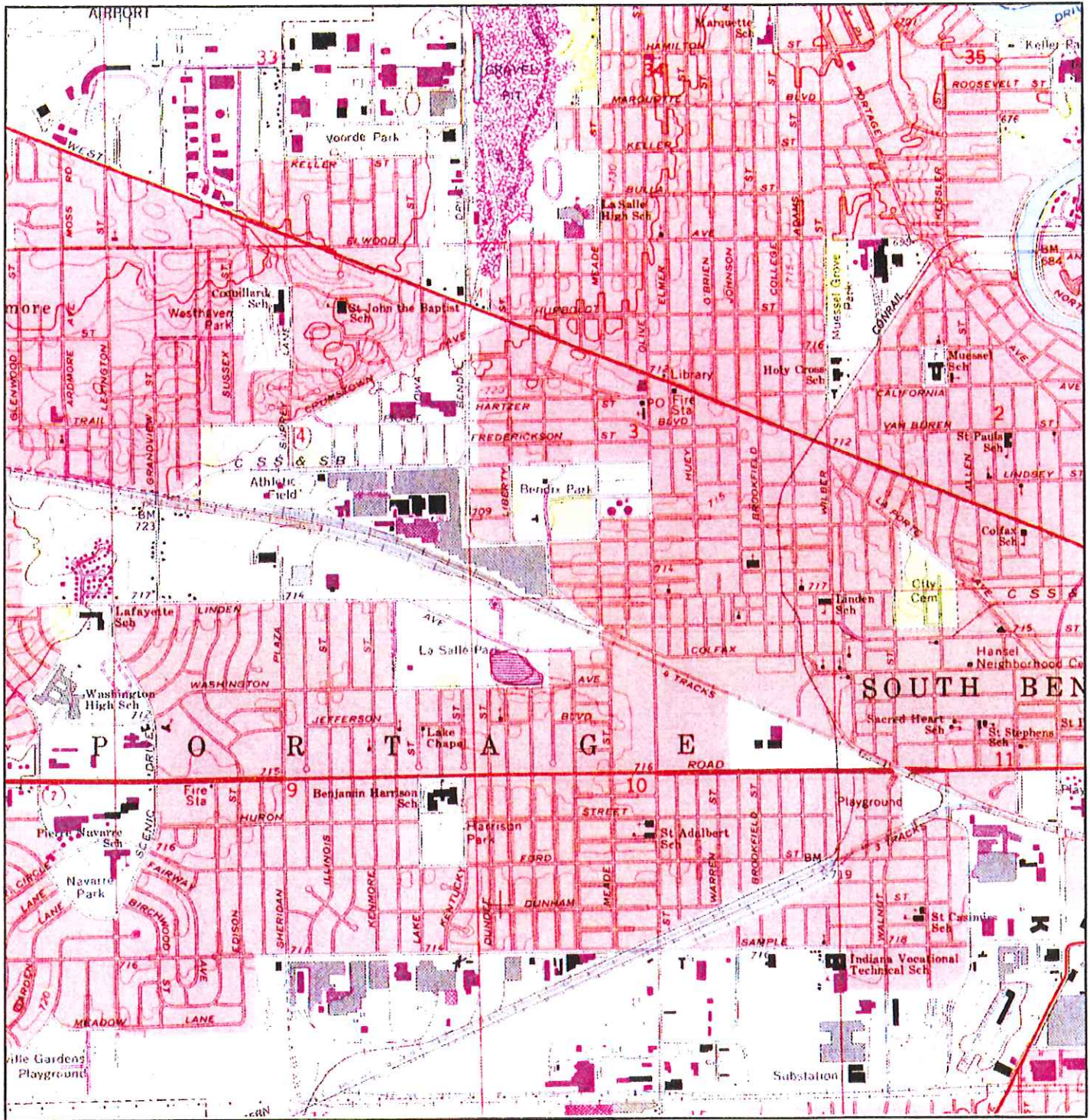
	TARGET QUAD	SITE NAME: Bosch Property	CLIENT: Weaver Boos Consultants
	NAME: SOUTH BEND WEST	ADDRESS: N Bendix Drive/Kenwood Ave	CONTACT: Ed Stefanek
	MAP YEAR: 1969	SOUTH BEND, IN 46628	INQUIRY#: 3178470.4
	SERIES: 7.5	LAT/LONG: 41.6806 / -86.289	RESEARCH DATE: 10/04/2011
	SCALE: 1:24000		

Historical Topographic Map



	TARGET QUAD	SITE NAME: Bosch Property	CLIENT: Weaver Boos Consultants
	NAME: SOUTH BEND WEST	ADDRESS: N Bendix Drive/Kenwood Ave	CONTACT: Ed Stefanek
	MAP YEAR: 1980	South Bend, IN 46628	INQUIRY#: 3178470.4
	PHOTOREVISED: 1969	LAT/LONG: 41.6806 / -86.289	RESEARCH DATE: 10/04/2011
	SERIES: 7.5		
	SCALE: 1:24000		

Historical Topographic Map



N ↑	TARGET QUAD	SITE NAME:	Bosch Property	CLIENT:	Weaver Boos Consultants
	NAME: SOUTH BEND WEST	ADDRESS:	N Bendix Drive/Kenwood Ave	CONTACT:	Ed Stefanek
	MAP YEAR: 1986	LAT/LONG:	South Bend, IN 46628	INQUIRY#:	3178470.4
	PHOTOREVISED: 1969			RESEARCH DATE:	10/04/2011
	SERIES: 7.5				
SCALE: 1:24000					

Bosch Property

N Bendix Drive/Kenwood Ave
South Bend, IN 46628

Inquiry Number: 3178470.6
October 06, 2011

The EDR-City Directory Abstract



440 Wheelers Farm Road
Milford, CT 06461
800.352.0050
www.edrinc.com

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

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

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This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OR DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

<u>Year</u>	<u>Source</u>	<u>IP</u>	<u>Adjoining</u>	<u>Text Abstract</u>	<u>Source Image</u>
2011	Polk City Directories	-	X	X	-
2006	Polk City Directories	-	X	X	-
2000	Polk City Directories	-	X	X	-
1995	Polk City Directories	-	X	X	-
1990	Polk City Directories	-	X	X	-
1985	Polk City Directories	-	X	X	-
1980	Polk City Directories	-	X	X	-
1975	Polk City Directories	-	X	X	-
1970	Polk City Directories	-	X	X	-
1965	Polk City Directories	-	X	X	-
1960	Polk City Directories	-	X	X	-
1955	Polk City Directories	-	X	X	-
1949	Polk City Directories	-	X	X	-
1944	Polk City Directories	-	X	X	-
1939	Polk City Directories	-	X	X	-
1934	Polk City Directories	-	X	X	-
1929	Polk City Directories	-	X	X	-

EXECUTIVE SUMMARY

SELECTED ADDRESSES

The following addresses were selected by the client, for EDR to research. An "X" indicates where information was identified.

<u>Address</u>	<u>Type</u>	<u>Findings</u>
401 N. Bendix Drive	Client Entered	X
717 N. Bendix Drive	Client Entered	X
3520 Westmoor Drive	Client Entered	X
3520 Westmoor Drive (aka Westmore St)	Client Entered	X

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

N Bendix Drive/Kenwood Ave
South Bend, IN 46628

FINDINGS DETAIL

Target Property research detail.

No Addresses Found

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

N. Bendix Drive

N. Bendix Drive

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2011	No listings between 401-717	Polk City Directories
	No listings between 717-909	Polk City Directories
	No listings prior to 401	Polk City Directories
2006	No listings between 401-717	Polk City Directories
	No listings between 717-909	Polk City Directories
	No listings prior to 401	Polk City Directories
2000	No listings between 401-710	Polk City Directories
	No listings between 717-909	Polk City Directories
	No listings prior to 401	Polk City Directories
1995	No listings between 717-909	Polk City Directories
	No listings prior to 401	Polk City Directories
1990	No listings between 717-909	Polk City Directories
	No listings prior to 401	Polk City Directories
1985	No listings between 717-909	Polk City Directories
	No listings prior to 401	Polk City Directories
1980	No listings between 717-909	Polk City Directories
	No listings prior to 401	Polk City Directories
1975	No listings between 717-909	Polk City Directories
	No listings prior to 401	Polk City Directories
1970	No listings between 717-909	Polk City Directories
	No listings prior to 401	Polk City Directories
1965	No listings between 717-909	Polk City Directories
	No listings prior to 401	Polk City Directories
1960	No listings between 552-1129	Polk City Directories
	No listings prior to 401	Polk City Directories
1955	No listings between 552-1129	Polk City Directories
	No listings prior to 401	Polk City Directories
1949	No listings between 552-1129	Polk City Directories
	No listings prior to 401	Polk City Directories
1944	No listings between 552-1125	Polk City Directories
	No listings prior to 401	Polk City Directories

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1939	No listings between 552-1125	Polk City Directories
	No listings prior to 524	Polk City Directories
	No Street numbers listed for 5 Bendix Companies	Polk City Directories
1934	No listings between 552-1125	Polk City Directories
	No listings prior to 524	Polk City Directories
	No Street numbers listed for 5 Bendix Companies	Polk City Directories
1929	No listings between 552-1125	Polk City Directories
	No listings prior to 524	Polk City Directories
	No Street numbers listed for 5 Bendix Companies	Polk City Directories

401 N. Bendix Drive

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2011	Robert Bosch Braking Systems (brakes mfrs)	Polk City Directories
2006	Robert Bosch Corp (brake lining mfrs)	Polk City Directories
2000	Robert Bosch Corp (brake lining mfrs)	Polk City Directories
1995	Allied Signal Inc	Polk City Directories
1990	Allied Signal Inc (Bendix Auto Sys N Am)	Polk City Directories
1985	Allied Corporation	Polk City Directories
1980	Bendix Corp (brake & steering div)	Polk City Directories
	Bendix Corp (corp ofc)	Polk City Directories
	Bendix Corporation Automotive Control Sys Group	Polk City Directories
1975	Bendix Corp (brake & steering div)	Polk City Directories
	Bendix Corp (corp ofc)	Polk City Directories
1970	Bendix Corp (brake & steering div)	Polk City Directories
	Bendix Corp (corp ofc)	Polk City Directories
	Bendix Corp Automotive & Automation CO	Polk City Directories
1965	Bendix Corp	Polk City Directories
1960	Bendix Products (Div of Bendix Aviation Corp)	Polk City Directories
1955	Bendix Products (Div of Bendix Aviation Corp)	Polk City Directories
1949	Bendix Products (Div of Bendix Aviation Corp)	Polk City Directories
1944	Bendix Products (Div of Bendix Aviation Corp)	Polk City Directories
1934	Bendix Aviation Corp	Polk City Directories
	Bendix Brake Co	Polk City Directories

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1934	Bendix Cowdrey Brake Tester Inc	Polk City Directories
	Bendix Products Corp	Polk City Directories
	Bendix Research Corp	Polk City Directories
	Bendix Stromberg Carburetor Co	Polk City Directories
	Bragg-Kliesrath Corp	Polk City Directories
1929	Bendix Brake Co	Polk City Directories

403 N. Bendix Drive

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	Bendix Park & Pool	Polk City Directories
1990	Kennedy Park & Pool	Polk City Directories
1985	Bendix Park & Pool	Polk City Directories
1980	Bendix Park & Pool	Polk City Directories
1975	Bendix Park & Pool	Polk City Directories
1970	Bendix Park & Pool	Polk City Directories
1965	Bendix Park & Pool	Polk City Directories
1960	Bendix Park & Pool	Polk City Directories

501 N. Bendix Drive

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	Vacant	Polk City Directories

524 N. Bendix Drive

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1939	Vacant	Polk City Directories

528 N. Bendix Drive

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1939	Vacant	Polk City Directories

552 N. Bendix Drive

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	Bendix Products (Div of Bendix Aviation Corp - Tractor Brakes)	Polk City Directories
1955	Bendix Products (Div of Bendix Aviation Corp - Tractor Brakes)	Polk City Directories
1949	Bendix Products (Div of Bendix Aviation Corp - Experimental Tractor Brakes)	Polk City Directories
1944	Price Filling Station	Polk City Directories
1939	Price Filling Station	Polk City Directories
1934	Phillips Petroleum Co (filling station)	Polk City Directories

FINDINGS

710 N. Bendix Drive

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	Residential	Polk City Directories

717 N. Bendix Drive

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2011	Honeywell Controls & Access (aerospace industries)	Polk City Directories
2006	Honeywell Controls & Access (aerospace industries)	Polk City Directories
2000	Allied Signal Controls & Access (aerospace industries)	Polk City Directories
1995	Allied Signal Aerospace Inc.	Polk City Directories
1990	Allied Signal Inc. (Engine Controls Div)	Polk City Directories
1985	Allied Corporation (Bendix energy controls div)	Polk City Directories
1980	Bendix Corp (energy controls div) aerospace propulsion controls	Polk City Directories
1975	Bendix Corp (energy controls div) auto accessories	Polk City Directories
1970	Bendix Corp (energy controls div)	Polk City Directories
1965	Bendix Products Div of Bendix Aviation Corp	Polk City Directories

Westmoor Drive

Westmoor Drive

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2011	No listings between 3026-3520	Polk City Directories
	No listings beyond 3520	Polk City Directories
2006	No listings between 3026-3520	Polk City Directories
	No listings beyond 3520	Polk City Directories
2000	No listings between 3026-3520	Polk City Directories
	No listings beyond 3520	Polk City Directories
1995	No listings between 3026-3520	Polk City Directories
	No listings beyond 3520	Polk City Directories
1990	No listings between 3026-3520	Polk City Directories
	No listings beyond 3520	Polk City Directories
1985	No listings between 3026-3520	Polk City Directories
	No listings beyond 3520	Polk City Directories

FINDINGS

3520 Westmoor Drive

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2011	Abate of Indiana (non-classified estab)	Polk City Directories
	Honeywell Aerospace (guided missile/space vhl)	Polk City Directories
2006	Abate of Indiana (non-classified estab)	Polk City Directories
	Honeywell Aircraft Landing Sys (aircraft components - mfrs)	Polk City Directories
2000	Aircraft Landing Sys (aircraft components - mfrs)	Polk City Directories
1995	Allied Signal Inc.	Polk City Directories
1990	Allied Signal Inc.	Polk City Directories
1985	Allied Corporation	Polk City Directories

Westmoor Drive (aka Westmore St)

Westmoor Drive (aka Westmore St)

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	No listings between 3026-3520	Polk City Directories
	No listings beyond 3520	Polk City Directories
1975	No listings beyond 3026	Polk City Directories
1970	No listings beyond 3026	Polk City Directories
1965	No listings beyond 3026	Polk City Directories
1960	No listings beyond 3026	Polk City Directories
1955	No listings beyond 3026	Polk City Directories
1949	No listings beyond 3026	Polk City Directories
1944	No listings beyond 3026	Polk City Directories
1939	No listings beyond 3026	Polk City Directories
1934	No listings beyond 3034	Polk City Directories
1929	No listings beyond 2913	Polk City Directories

3520 Westmoor Drive (aka Westmore St)

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	Bendix Corp (aircraft brake & strut div)	Polk City Directories

FINDINGS

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

<u>Address Researched</u>	<u>Address Not Identified In Research Source</u>
N. Bendix Drive	No Years Found
Westmoor Drive	No Years Found
Westmoor Drive (aka Westmore St)	No Years Found
3520 Westmoor Drive	No Years Found
3520 Westmoor Drive (aka Westmore St)	1975, 1970, 1965, 1960, 1955, 1949, 1944, 1939, 1934, 1929
401 N. Bendix Drive	1939
403 N. Bendix Drive	1955, 1949, 1944, 1939, 1934, 1929
501 N. Bendix Drive	1990, 1985, 1980, 1975, 1970, 1965, 1960, 1955, 1949, 1944, 1939, 1934, 1929
524 N. Bendix Drive	1934, 1929
528 N. Bendix Drive	1934, 1929
552 N. Bendix Drive	1929
710 N. Bendix Drive	1995, 1990, 1985, 1980, 1975, 1970, 1965, 1960, 1955, 1949, 1944, 1939, 1934, 1929
717 N. Bendix Drive	1960, 1955, 1949, 1944, 1939, 1934, 1929



Bosch Property

N Bendix Drive/Kenwood Ave
South Bend, IN 46628

Inquiry Number: 3178470.5

October 05, 2011



The EDR Aerial Photo Decade Package



440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

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Date EDR Searched Historical Sources:

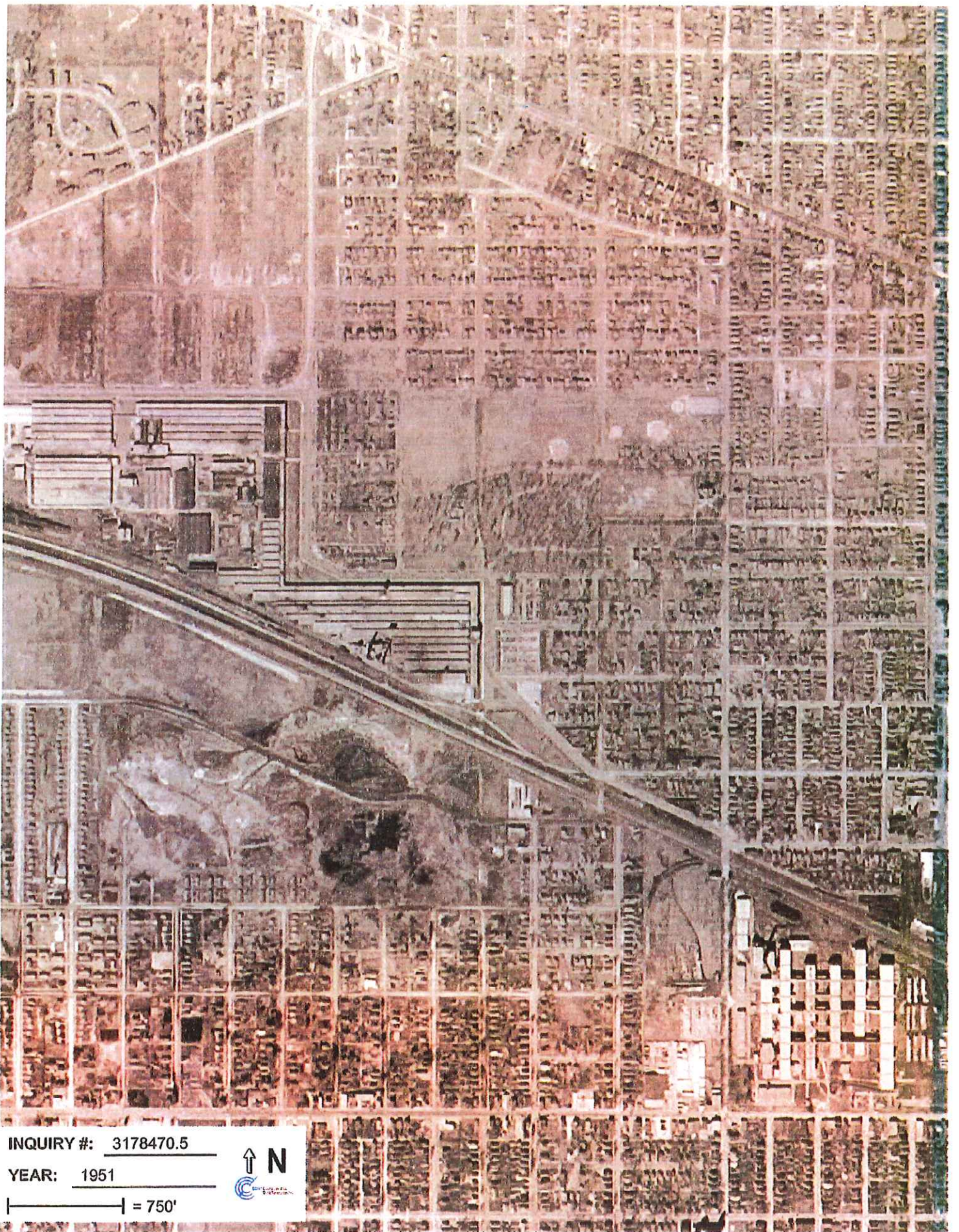
Aerial Photography October 05, 2011

Target Property:

N Bendix Drive/Kenwood Ave

South Bend, IN 46628

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
1951	Aerial Photograph. Scale: 1"=750'	Panel #: 41086-F3, South Bend West, IN;/Flight Date: March 27, 1951	EDR
1967	Aerial Photograph. Scale: 1"=500'	Panel #: 41086-F3, South Bend West, IN;/Flight Date: August 28, 1967	EDR
1975	Aerial Photograph. Scale: 1"=1000'	Panel #: 41086-F3, South Bend West, IN;/Flight Date: May 10, 1975	EDR
1977	Aerial Photograph. Scale: 1"=1000'	Panel #: 41086-F3, South Bend West, IN;/Flight Date: April 10, 1977	EDR
1980	Aerial Photograph. Scale: 1"=1000'	Panel #: 41086-F3, South Bend West, IN;/Flight Date: October 30, 1980	EDR
1987	Aerial Photograph. Scale: 1"=1000'	Panel #: 41086-F3, South Bend West, IN;/Flight Date: August 06, 1987	EDR
1992	Aerial Photograph. Scale: 1"=750'	Panel #: 41086-F3, South Bend West, IN;/Flight Date: March 01, 1992	EDR
1998	Aerial Photograph. Scale: 1"=604'	Panel #: 41086-F3, South Bend West, IN;/Composite DOQQ - acquisition dates: April 11, 1998	EDR
2005	Aerial Photograph. Scale: 1"=604'	Panel #: 41086-F3, South Bend West, IN;/Flight Year: 2005	EDR
2006	Aerial Photograph. Scale: 1"=604'	Panel #: 41086-F3, South Bend West, IN;/Flight Year: 2006	EDR
2007	Aerial Photograph. Scale: 1"=604'	Panel #: 41086-F3, South Bend West, IN;/Flight Year: 2007	EDR



INQUIRY #: 3178470.5

YEAR: 1951

— = 750'



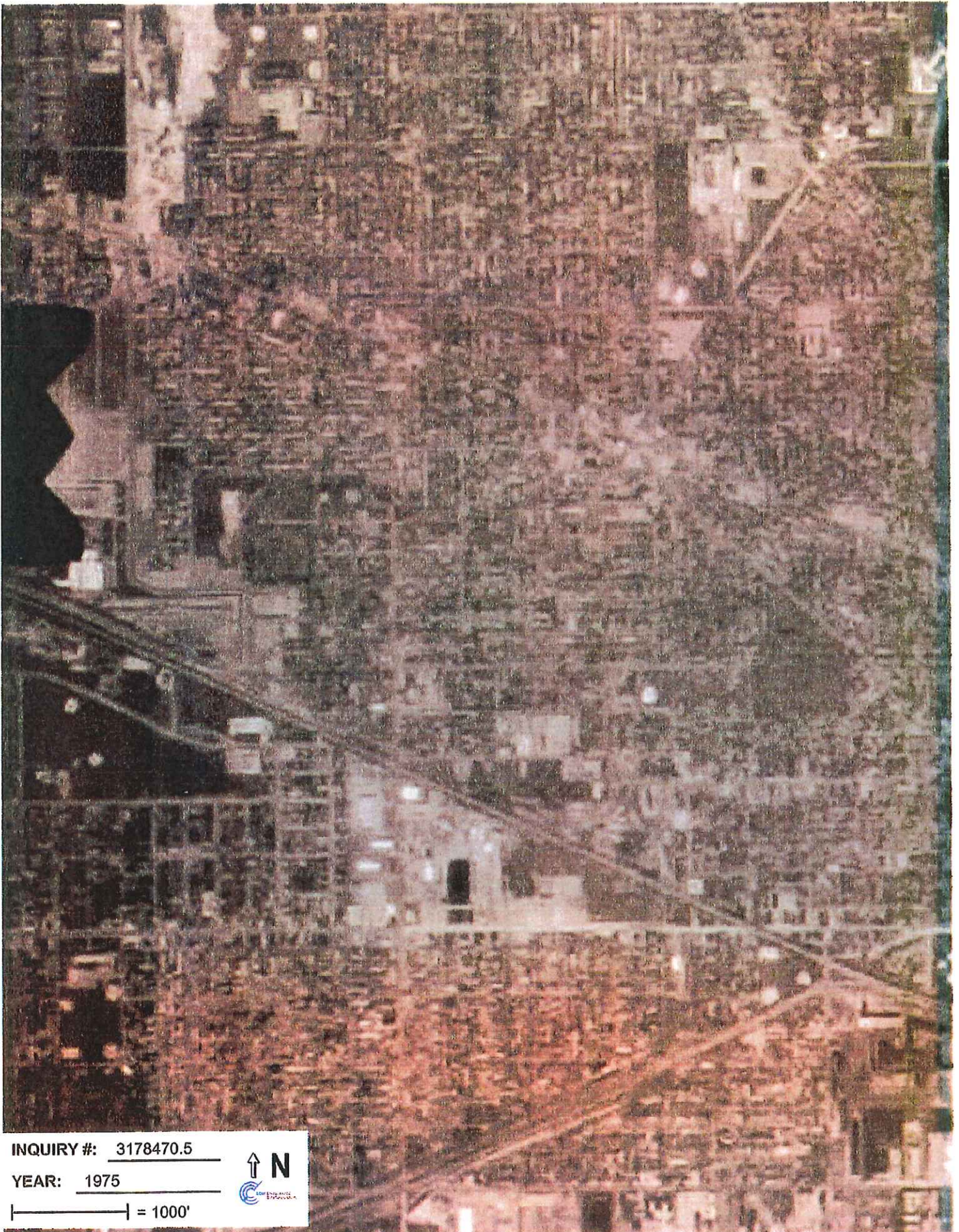


INQUIRY #: 3178470.5

YEAR: 1967

| = 500'



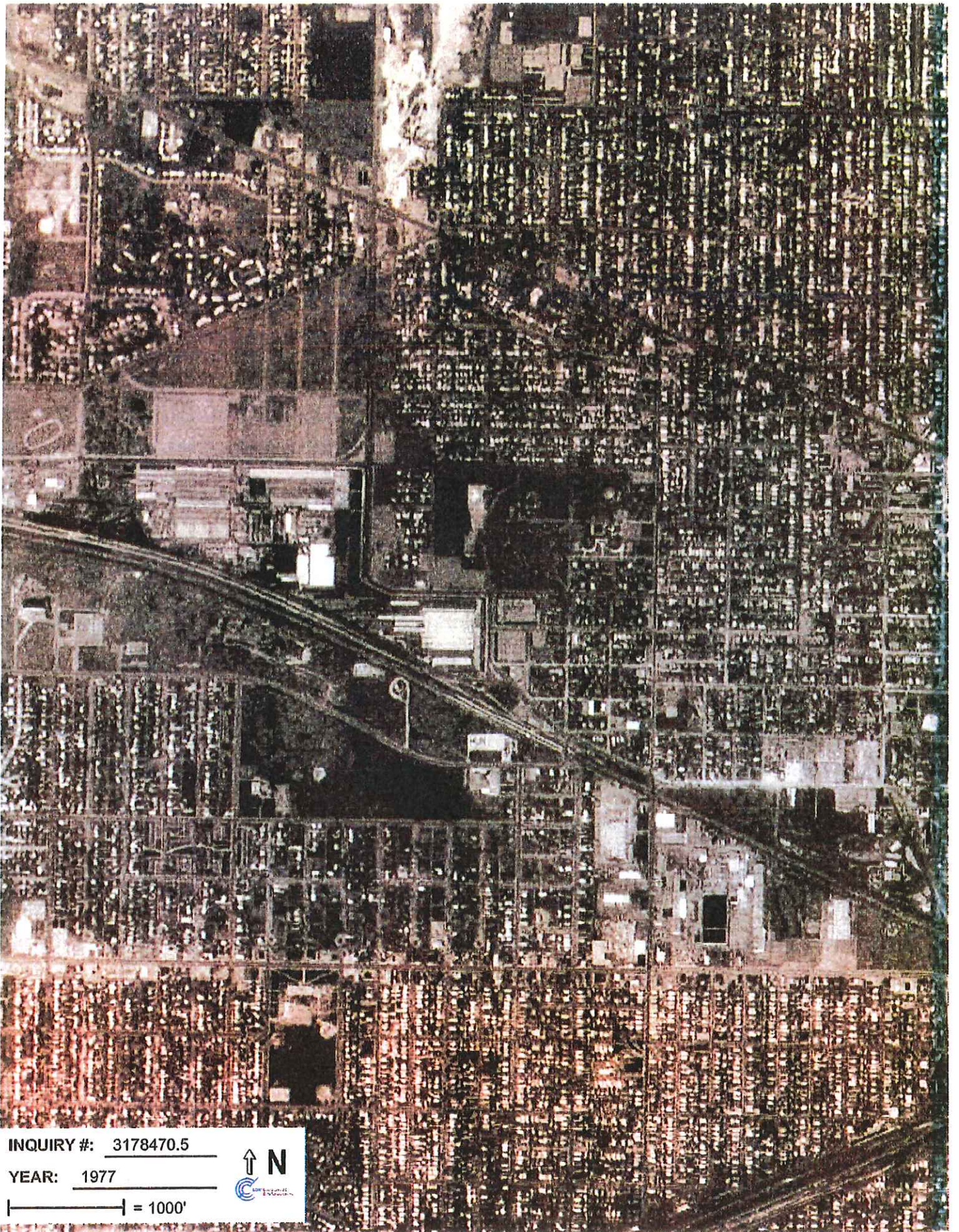


INQUIRY #: 3178470.5

YEAR: 1975

|—————| = 1000'



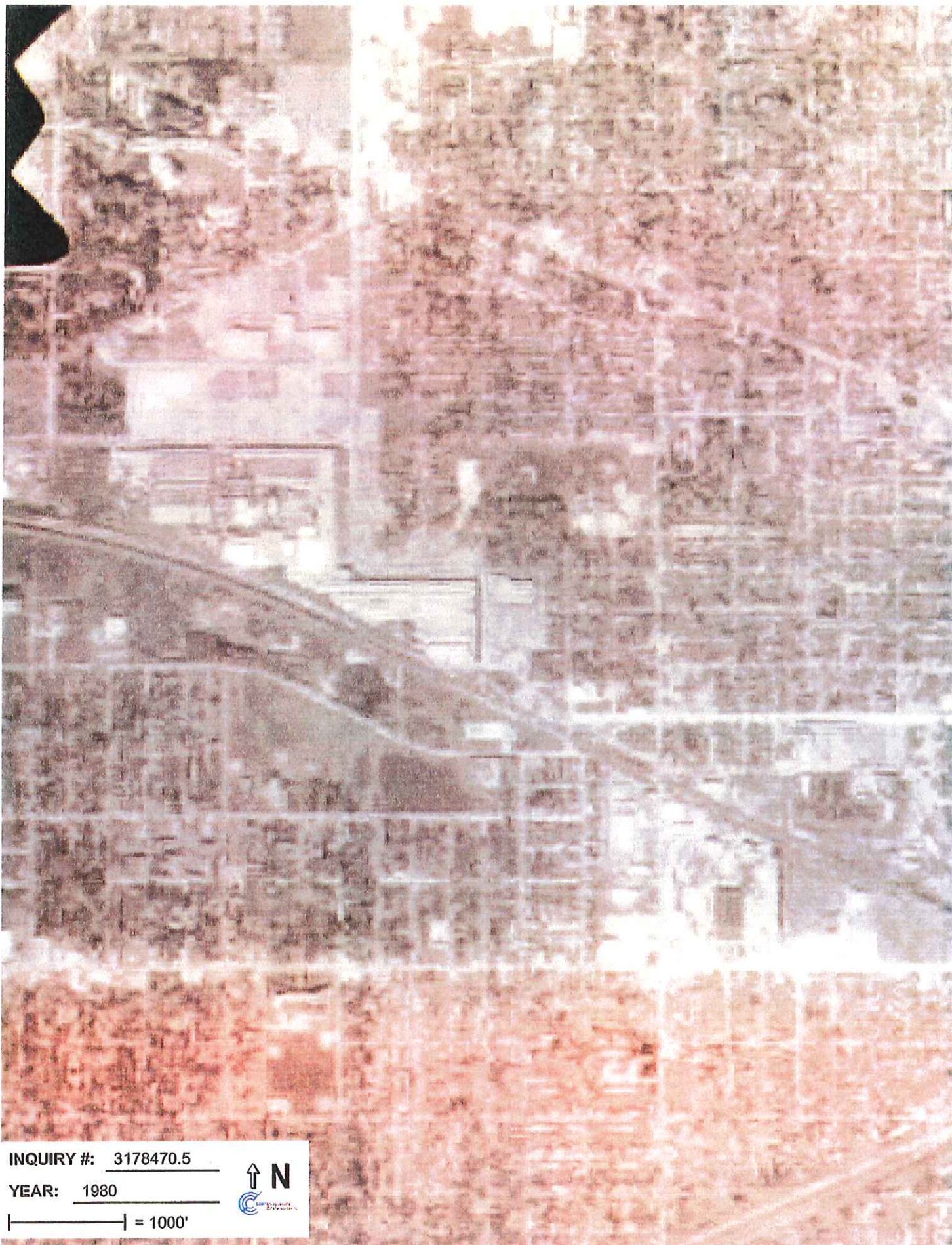


INQUIRY #: 3178470.5

YEAR: 1977

| = 1000'





INQUIRY #: 3178470.5

YEAR: 1980

| = 1000'





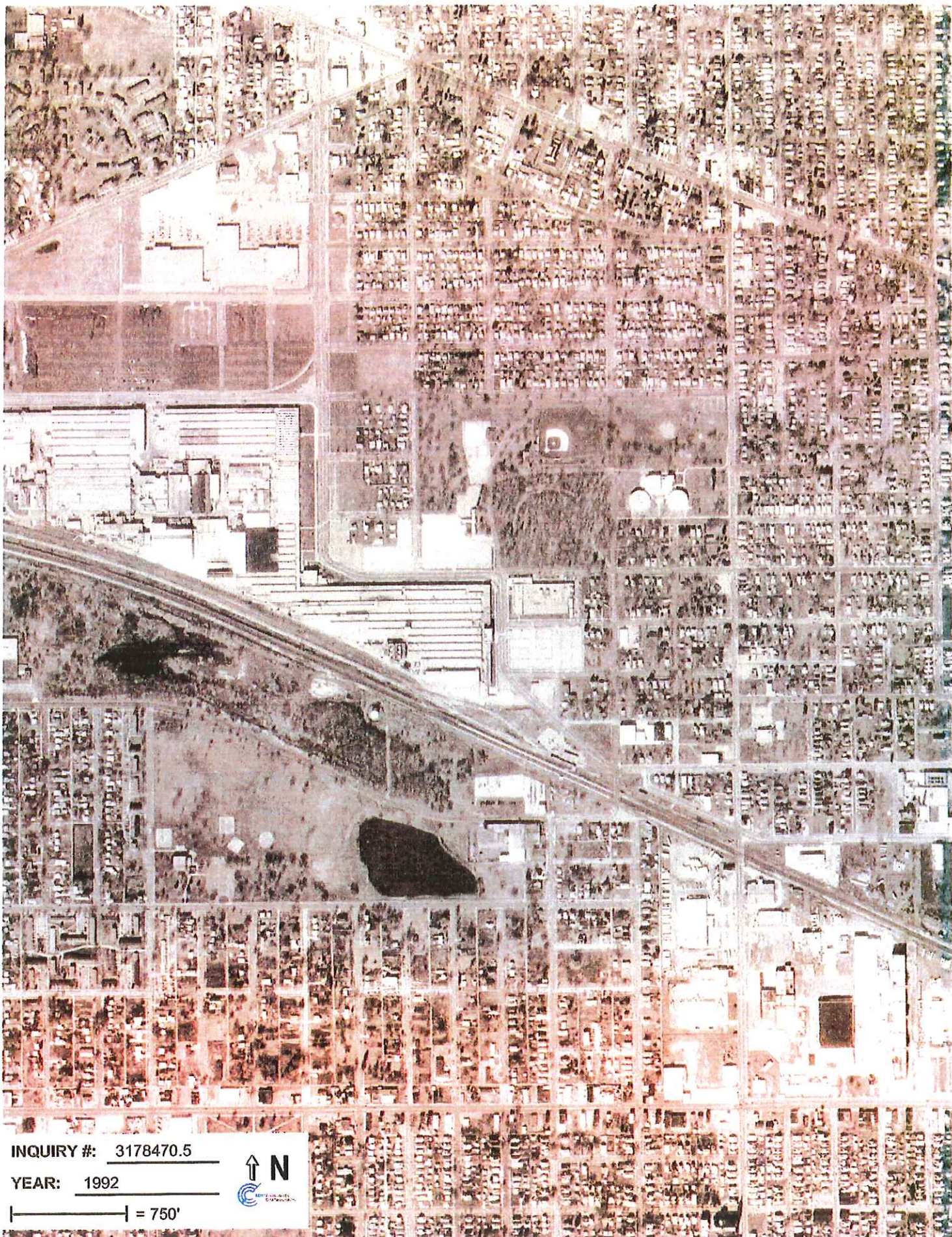
187-138

INQUIRY #: 3178470.5

YEAR: 1987

— = 1000'



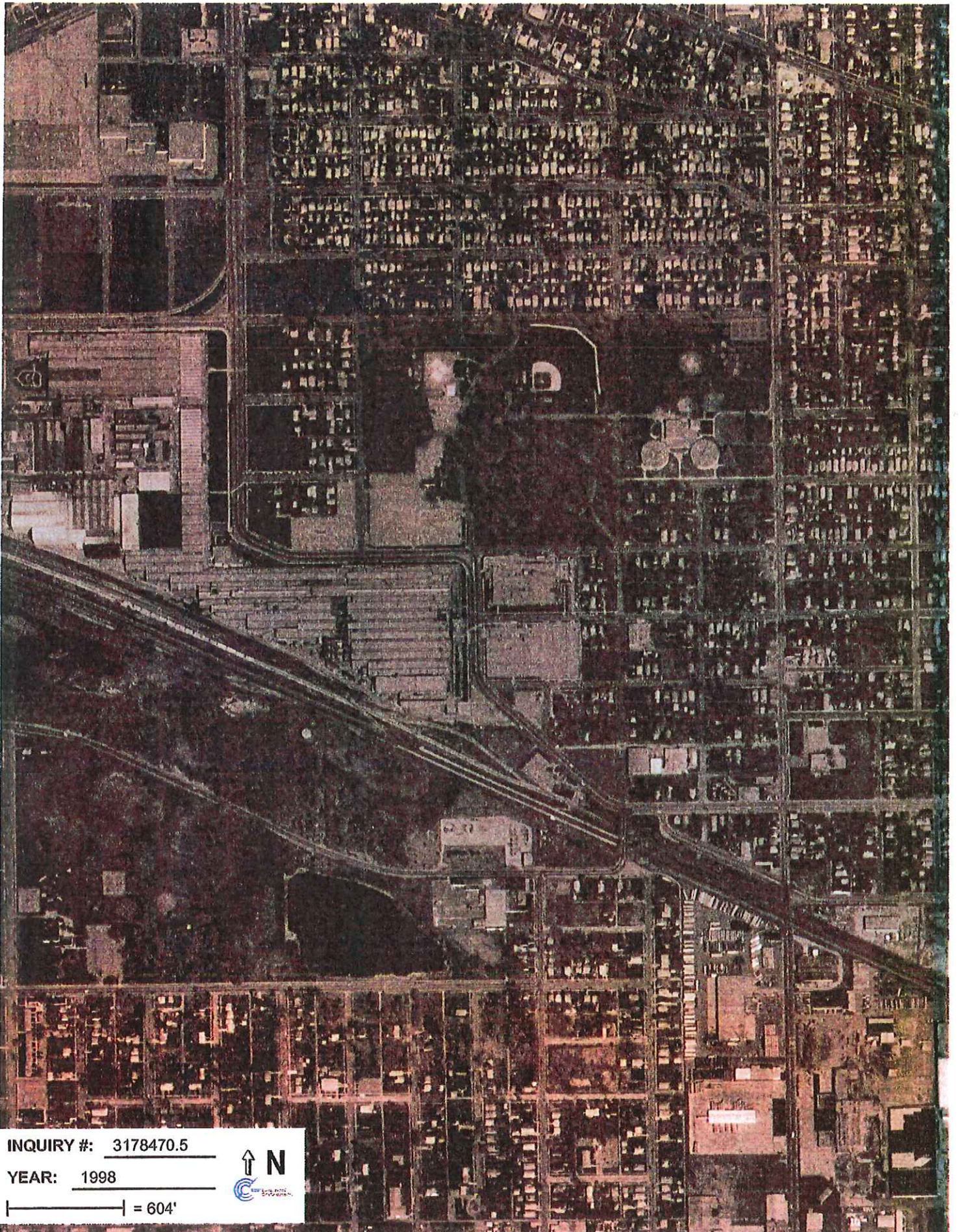


INQUIRY #: 3178470.5

YEAR: 1992

— = 750'



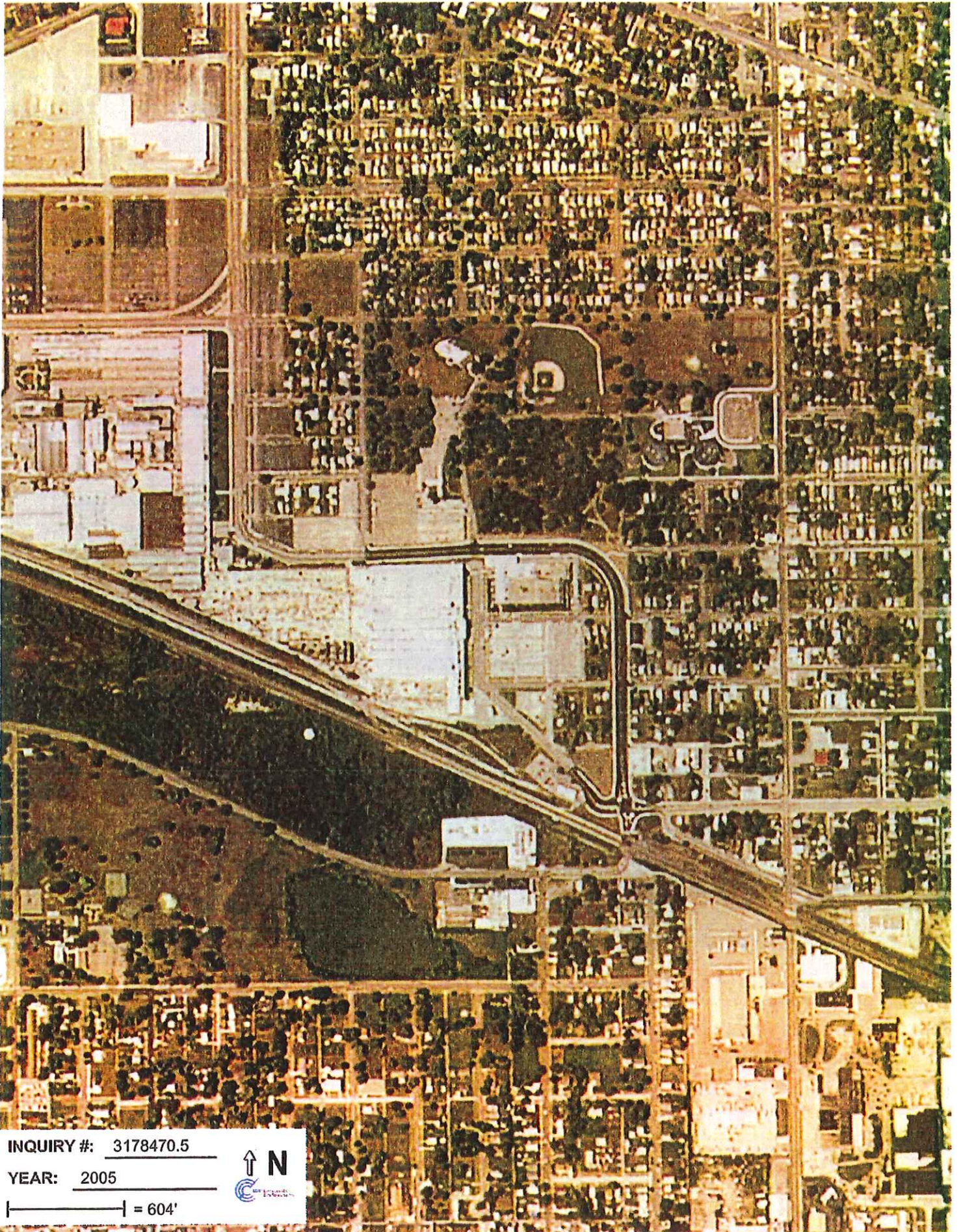


INQUIRY #: 3178470.5

YEAR: 1998

| = 604'



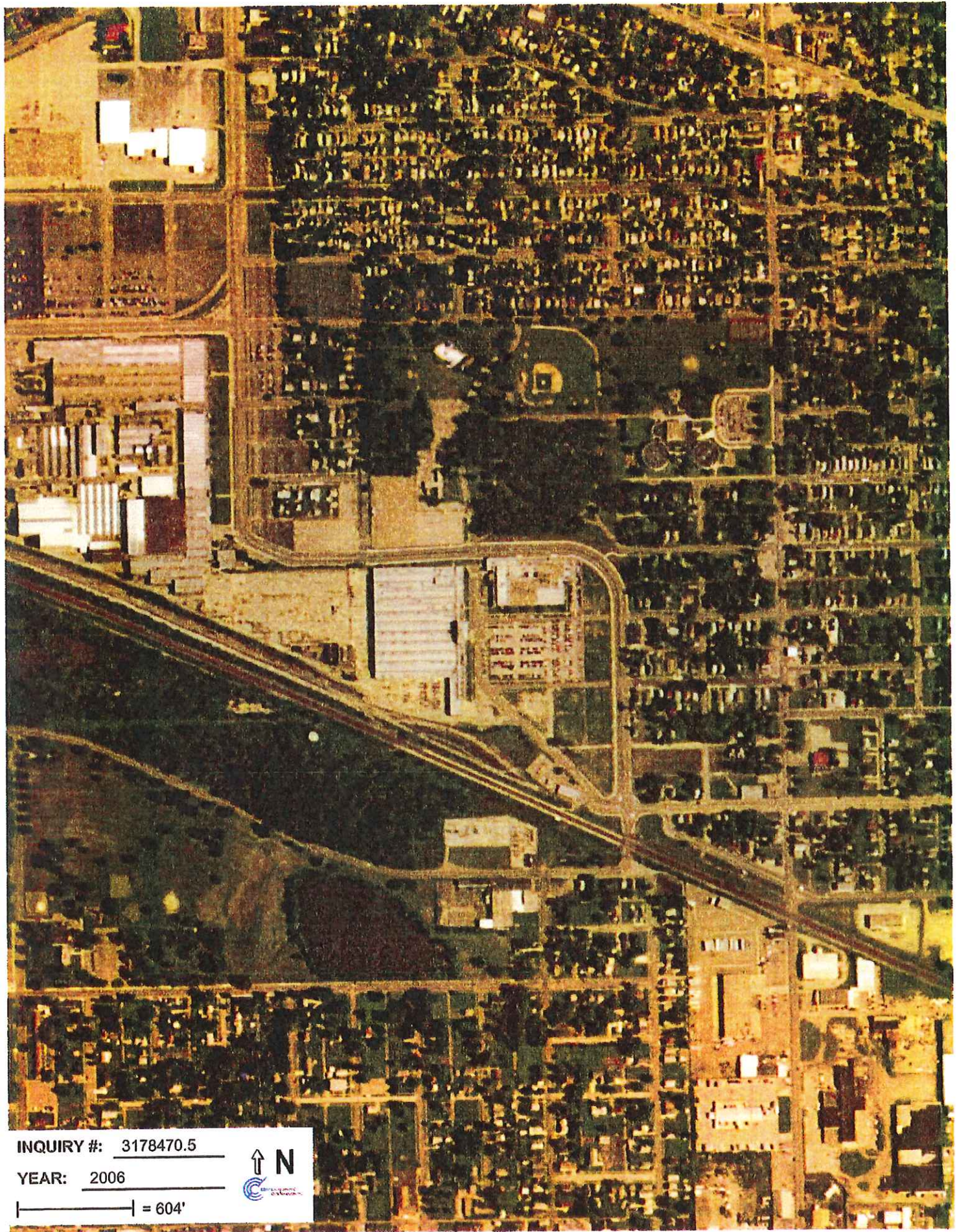


INQUIRY #: 3178470.5

YEAR: 2005

 = 604'



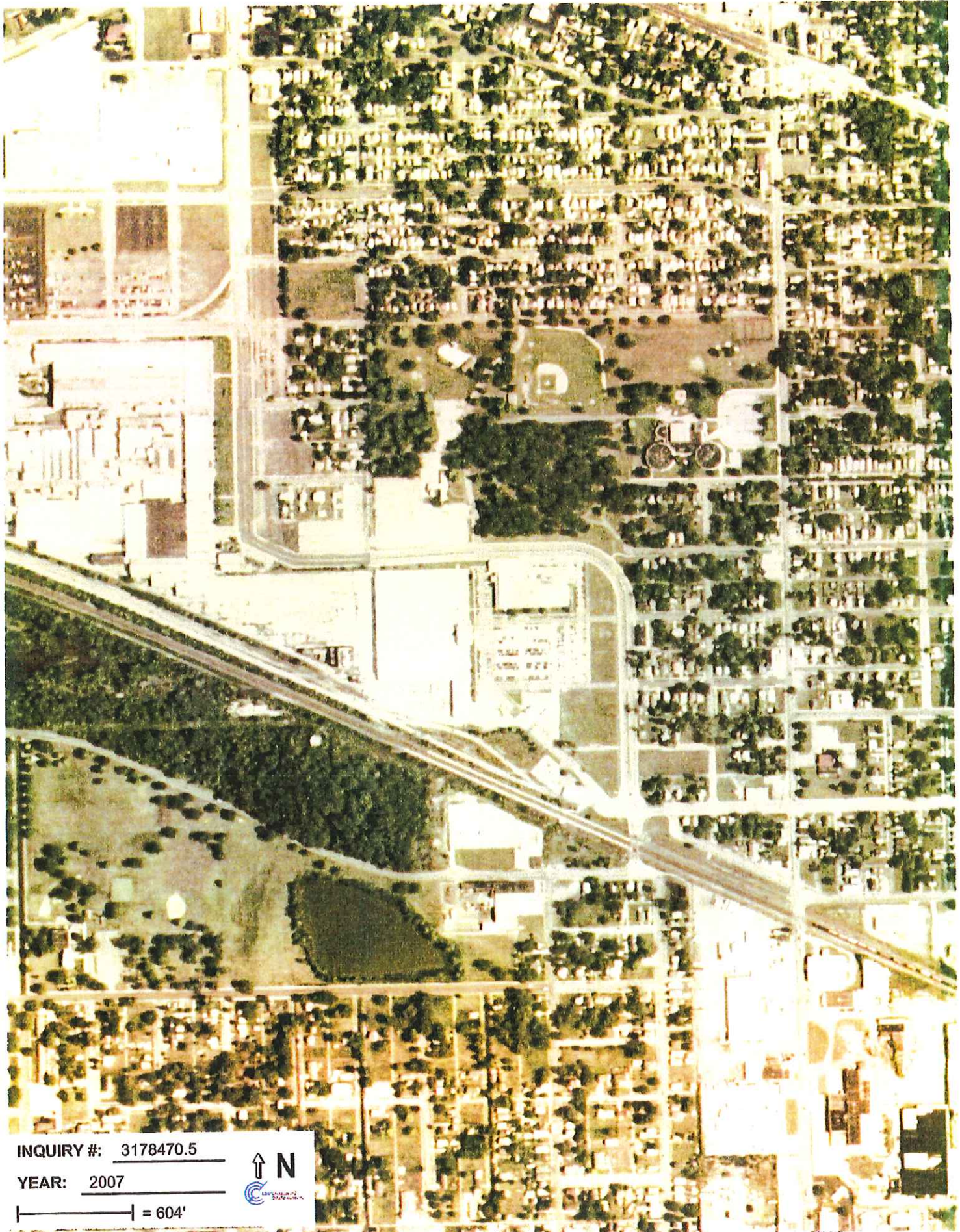


INQUIRY #: 3178470.5

YEAR: 2006

|—————| = 604'





INQUIRY #: 3178470.5

YEAR: 2007

|—————| = 604'



Bosch Property

N Bendix Drive/Kenwood Ave
South Bend, IN 46628

Inquiry Number: 3178470.3

October 07, 2011

Certified Sanborn® Map Report



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www.edmet.com

Certified Sanborn® Map Report

10/07/11

Site Name:

Bosch Property
N Bendix Drive/Kenwood Ave
South Bend, IN 46628

Client Name:

Weaver Boos Consultants
4085 Meghan Beeler Court
South Bend, IN 46628



EDR Inquiry # 3178470.3

Contact: Ed Stefanek

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Certified Sanborn Results:

Site Name: Bosch Property
Address: N Bendix Drive/Kenwood Ave
City, State, Zip: South Bend, IN 46628
Cross Street:
P.O. # NA
Project: Bosch Site
Certification # 7FEA-48DC-B3BC



Sanborn® Library search results
Certification # 7FEA-48DC-B3BC

Maps Provided:

1980
1949

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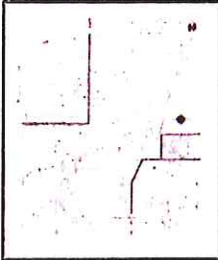
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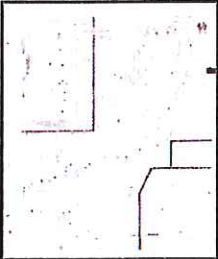


1980 Source Sheets



Volume 1, Sheet 68

1949 Source Sheets



Volume 1, Sheet 68

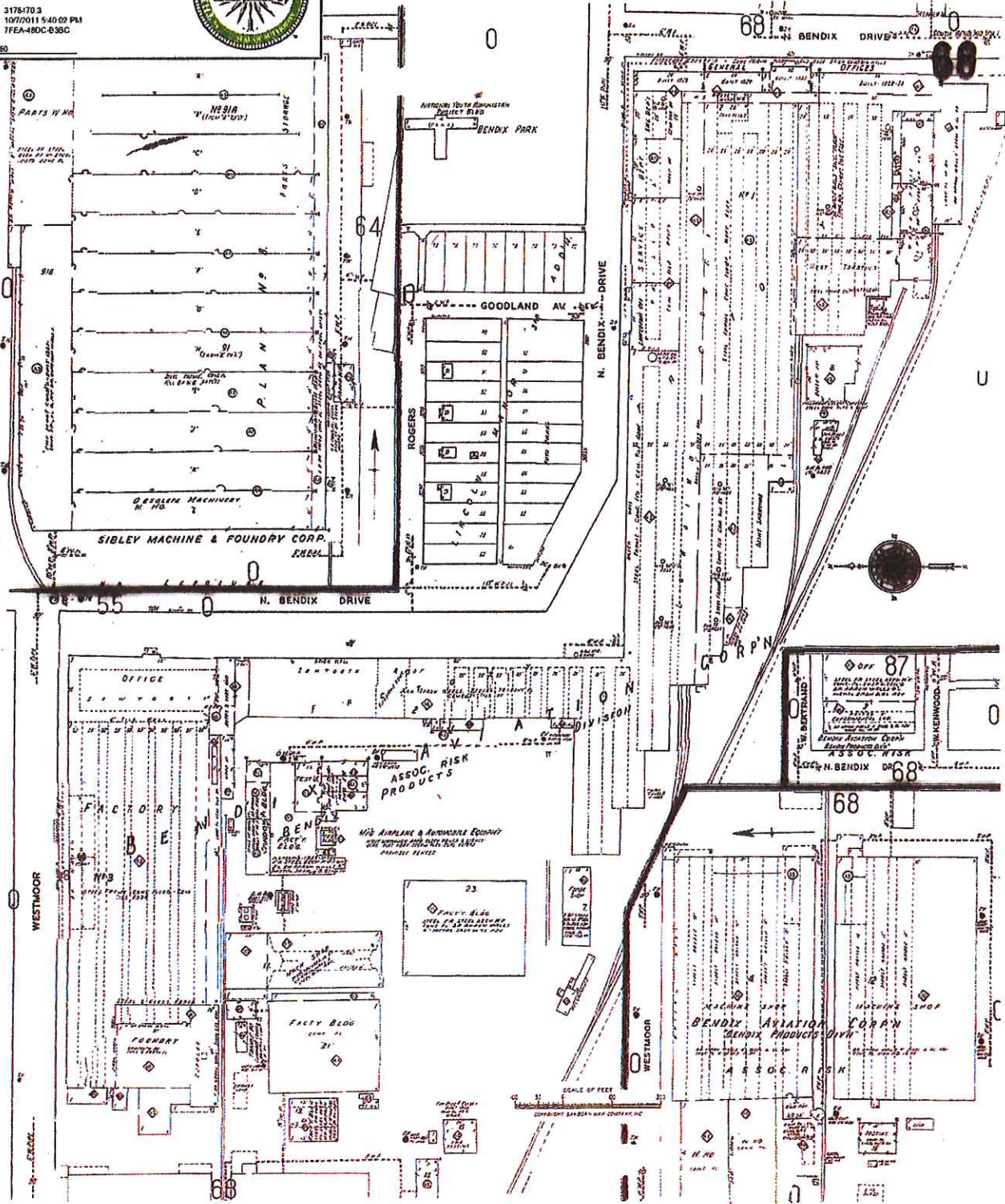
1980 Certified Sanborn Map

Site Name: Bosch Property
 Address: 11 Bendix Drive/Kanwood Ave
 City, ST, ZIP: South Bend IN 46628
 Client: Weaver Boos Consultants
 EDR Inquiry: 31784703
 Order Date: 10/7/2011 5:40:02 PM
 Certification #: 7FEA-4BDC-83BC
 Copyright: 1980

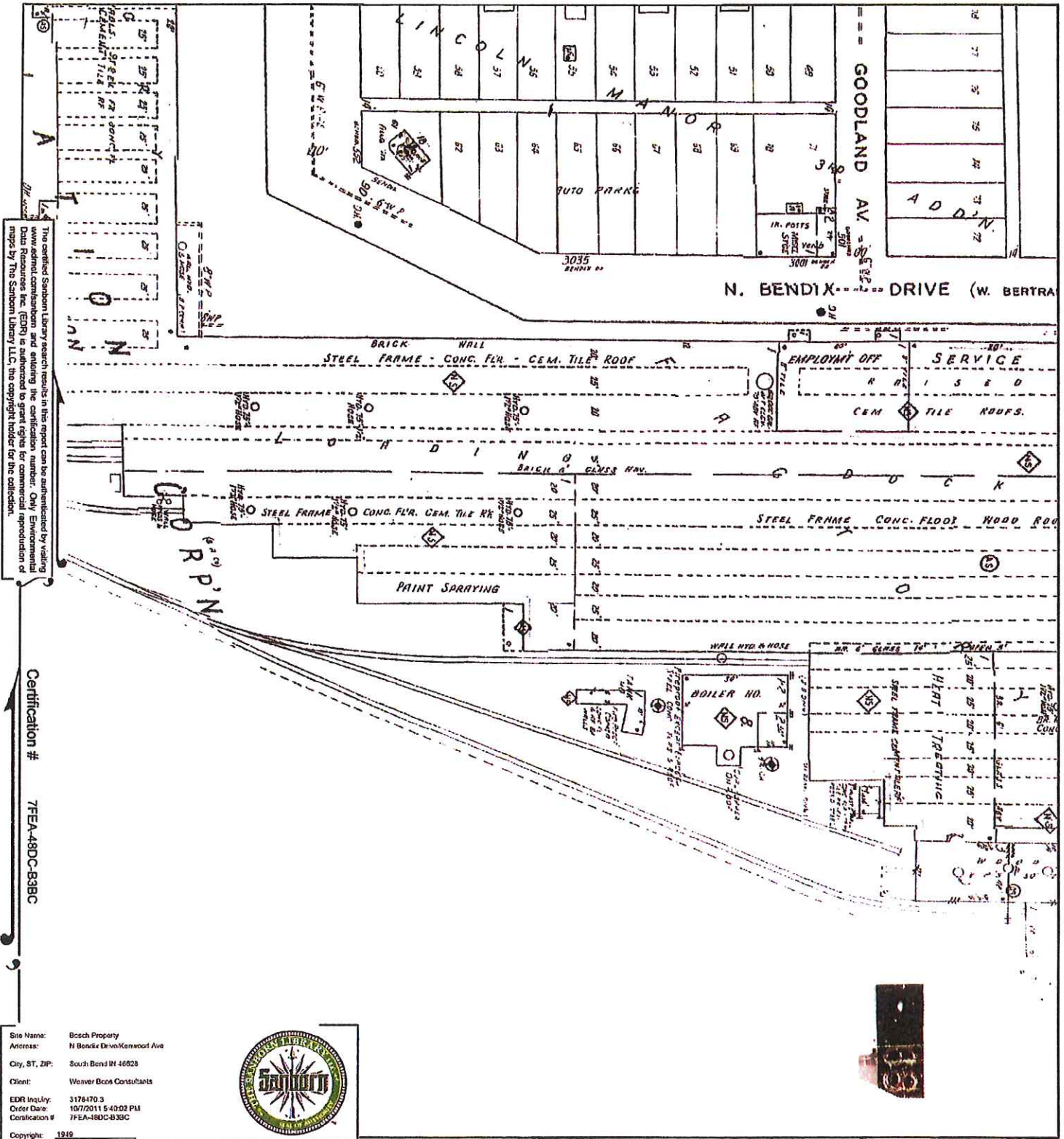


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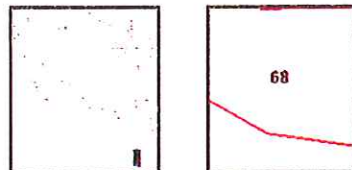
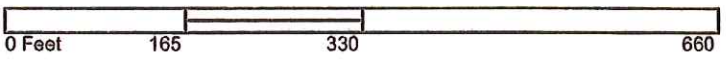
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 Address: N Bendix Drive/Kenwood Ave
 City, ST, ZIP: South Bend IN 46628
 Client: Weaver Boes Consultants
 EDR Inquiry: 3178470.3
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Bosch Property

N Bendix Drive/Kenwood Ave
South Bend, IN 46628

Inquiry Number: 3178470.3

October 07, 2011



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www.edrnet.com

Certified Sanborn® Map Report

10/07/11

Site Name:

Bosch Property
N Bendix Drive/Kenwood Ave
South Bend, IN 46628

Client Name:

Weaver Boos Consultants
4085 Meghan Beeler Court
South Bend, IN 46628



EDR Inquiry # 3178470.3

Contact: Ed Stefanek

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Certified Sanborn Results:

Site Name: Bosch Property
Address: N Bendix Drive/Kenwood Ave
City, State, Zip: South Bend, IN 46628
Cross Street:
P.O. # NA
Project: Bosch Site
Certification # 7FEA-48DC-B3BC



Sanborn® Library search results
Certification # 7FEA-48DC-B3BC

Maps Provided:

1980
1949
1917

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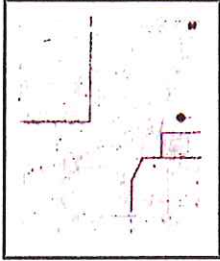
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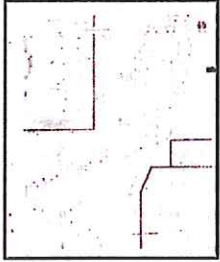


Volume 1, Sheet 87

1949 Source Sheets

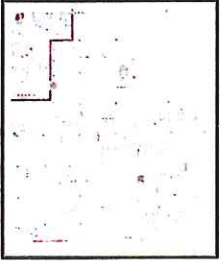


Volume 1, Sheet 87

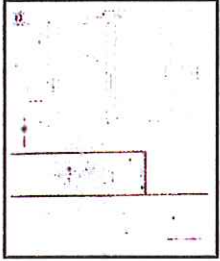


Volume 1, Sheet 68

1917 Source Sheets




Volume 1, Sheet 87



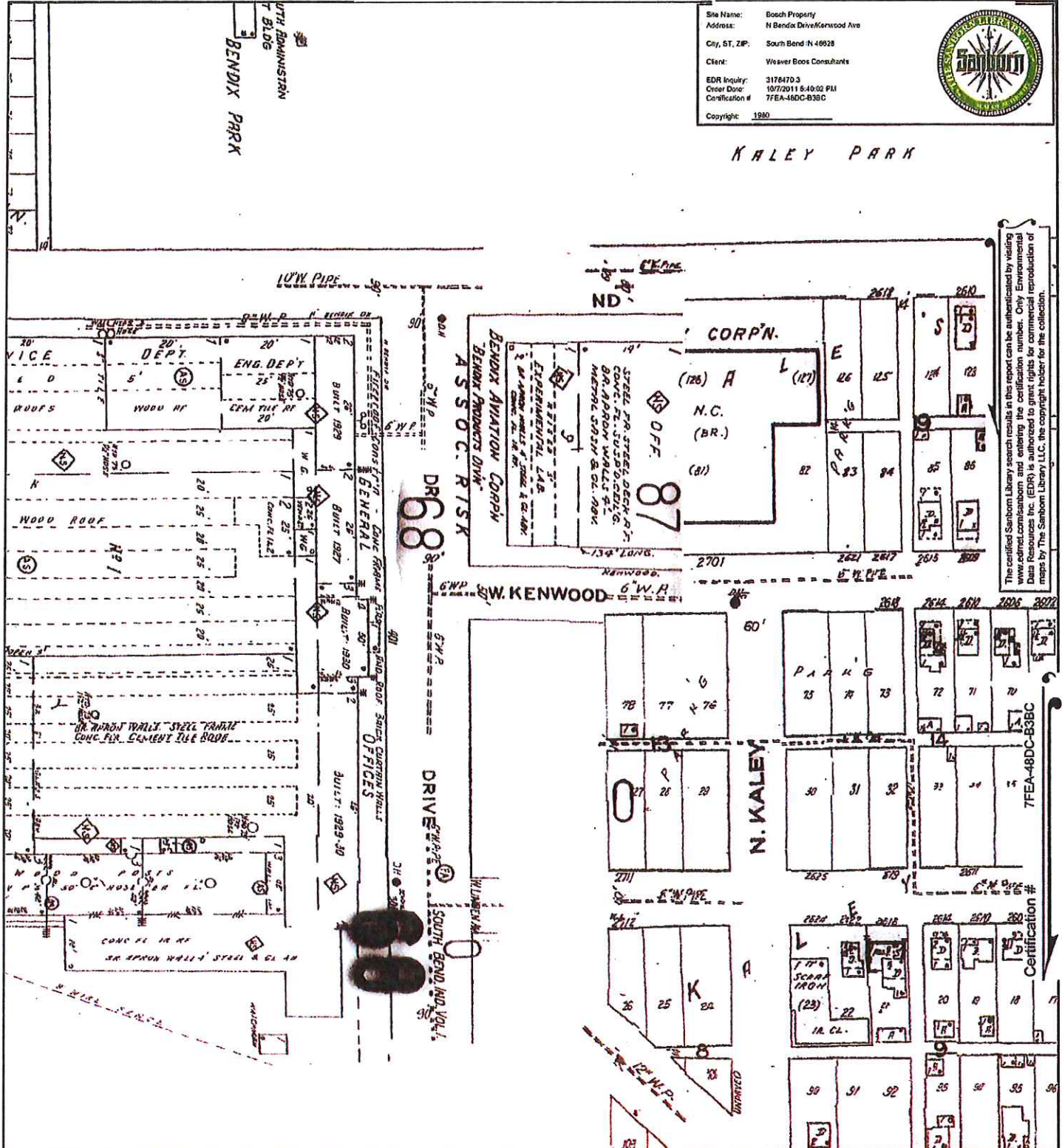
Volume 1, Sheet 13

1980 Certified Sanborn Map

Site Name: Bosch Property
 Address: N Bendix Drive/Kenwood Ave
 City, ST, ZIP: South Bend IN 46928
 Client: Weaver Boos Consultants
 EDR Inquiry: 3178470-3
 Order Date: 10/7/2011 5:40:02 PM
 Certification #: 7FEA-48DC-B3BC
 Copyright: 1980

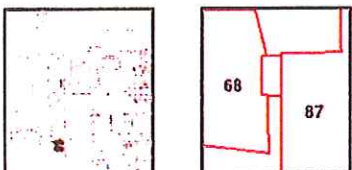
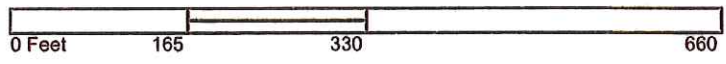


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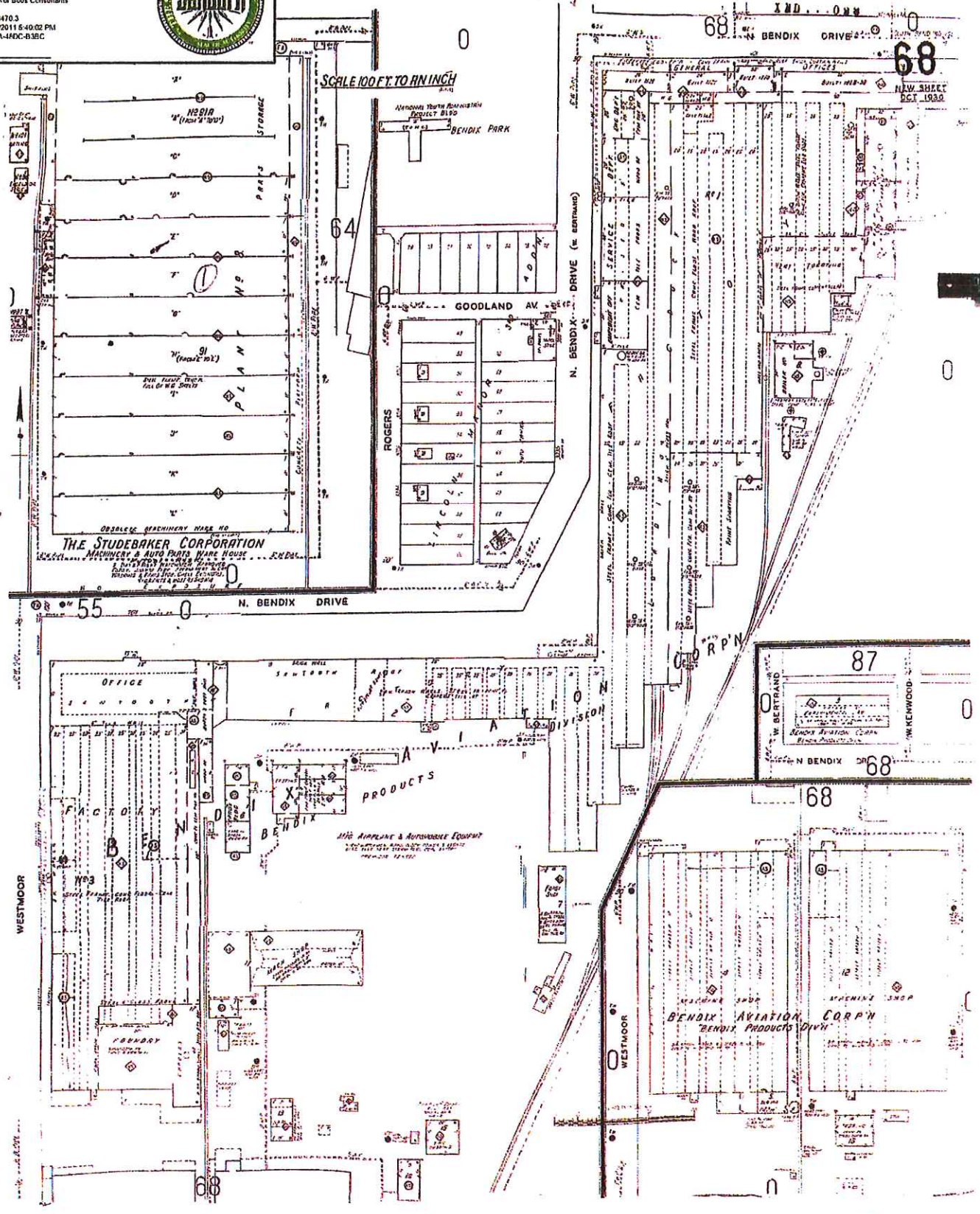
1949 Certified Sanborn Map

Site Name: Bosch Property
 Address: N Bendix Drive/Kenwood Ave
 City, ST, ZIP: South Bend IN 46628
 Client: Wozor Boos Consultants
 EDR Inquiry: 3178470.3
 Order Date: 10/7/2011 5:40:02 PM
 Certification #: 7FEA-48DC-B38C
 Copyright: 1949



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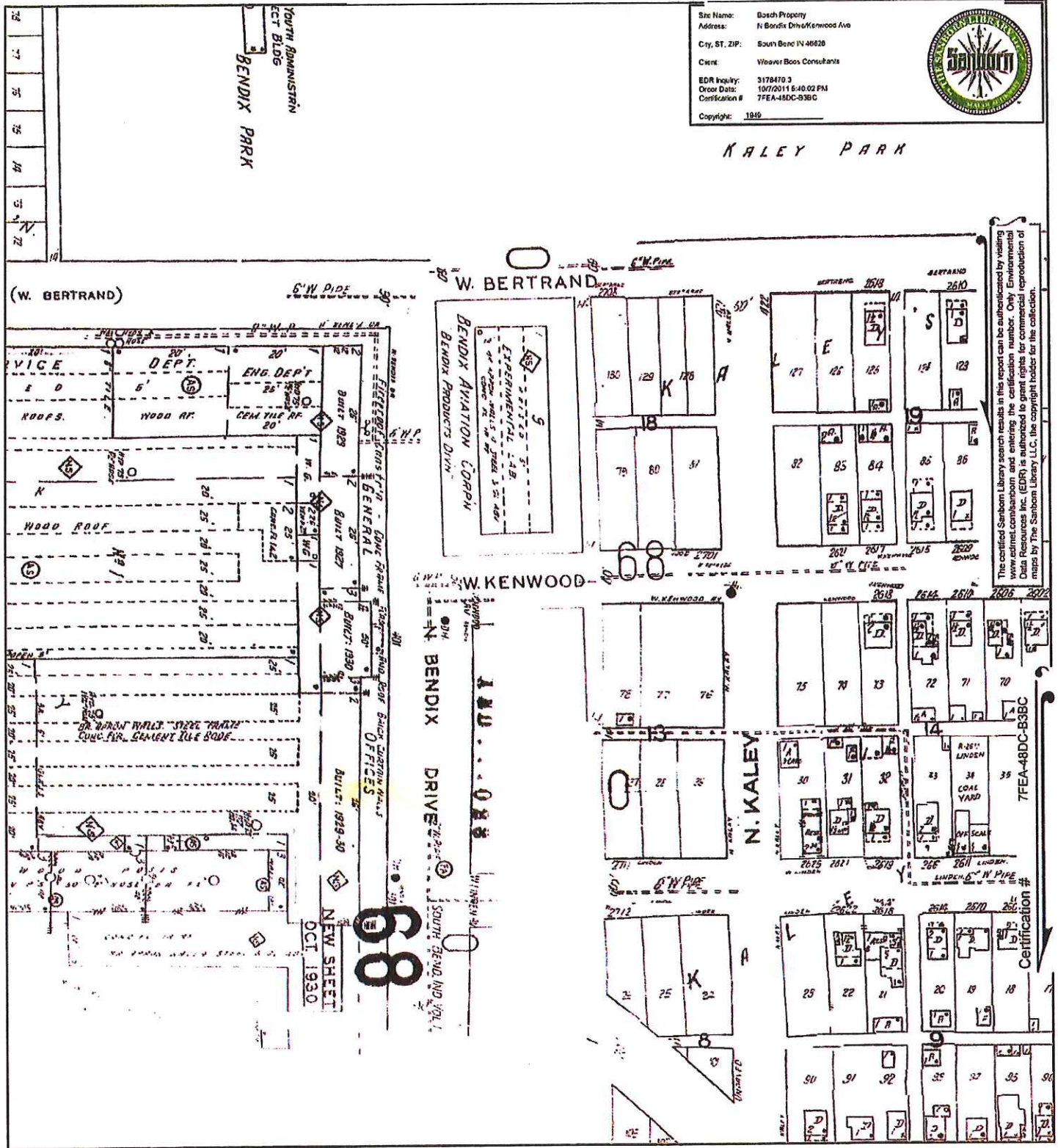
Certification # 7FEA-48DC-B38C

1949 Certified Sanborn Map

Site Name: Bosch Property
 Address: N Bendix Drive/Kenwood Ave
 City, ST, ZIP: South Bend IN 46628
 Client: Weaver Boos Consultants
 EDR Inquiry: 3178470 3
 Order Date: 10/7/2011 8:40:02 PM
 Certification #: 7FEA-48DC-93BC
 Copyright: 1949

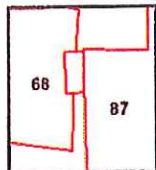
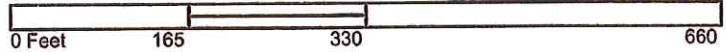


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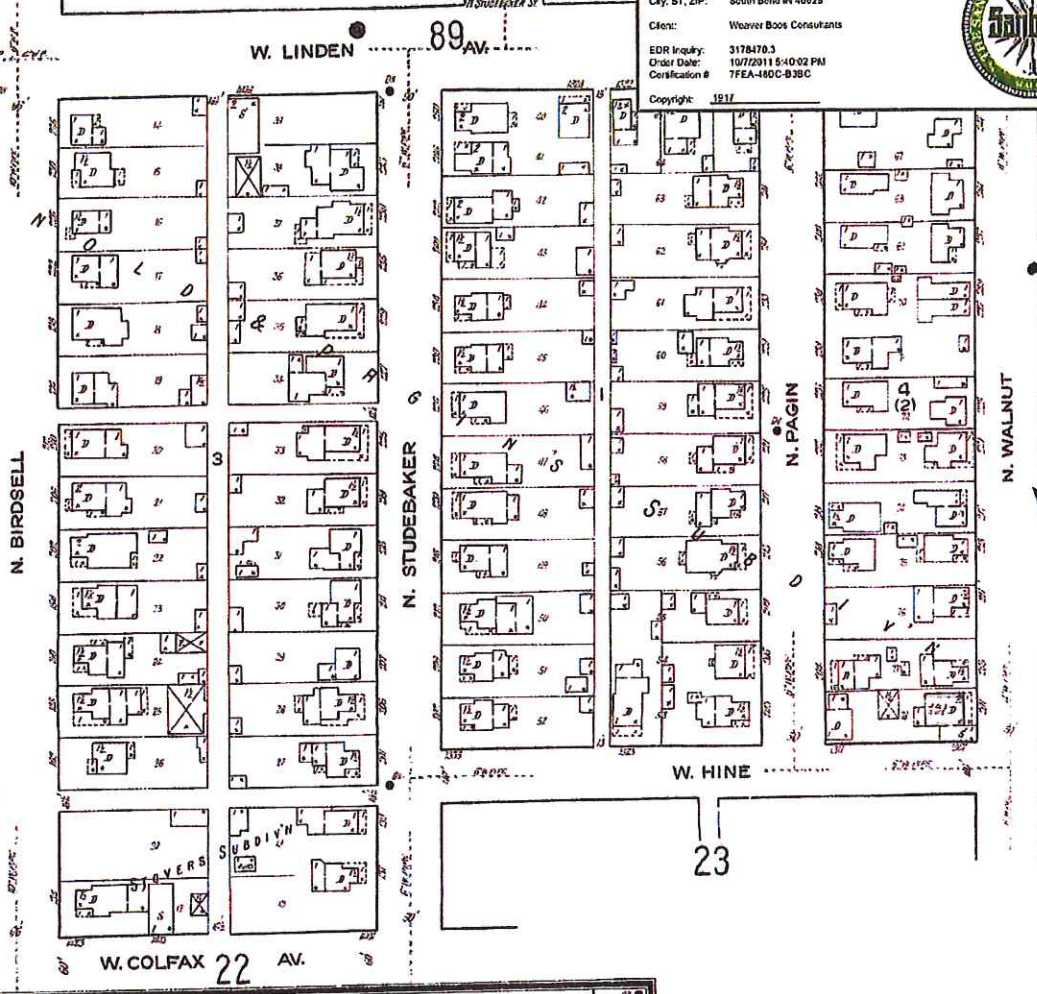
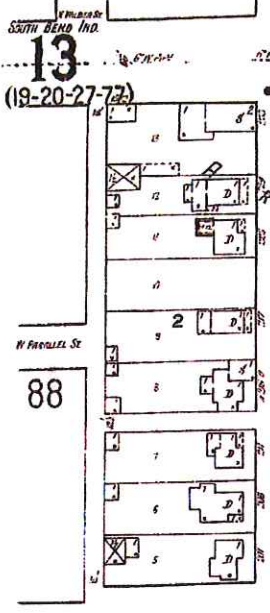


Volume 1, Sheet 87
 Volume 1, Sheet 68

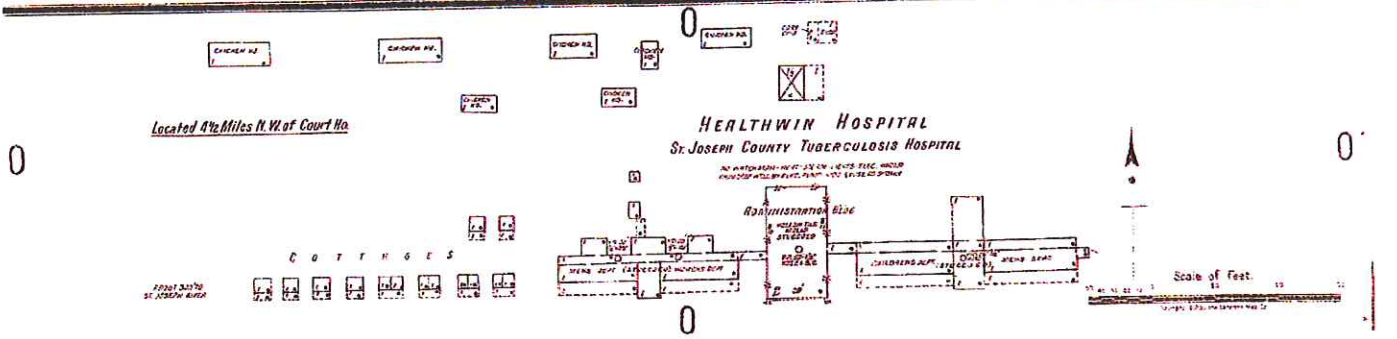
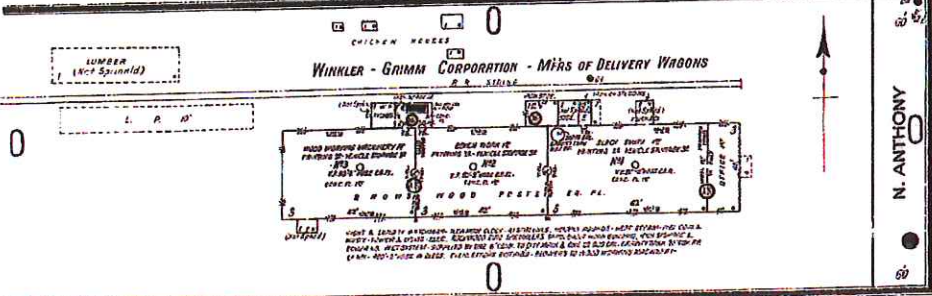
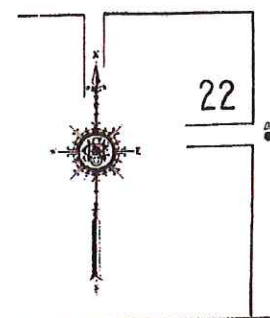


1917 Certified Sanborn Map

Site Name: Bosch Property
 Address: N Bender Drive/Kenwood Ave
 City, ST, ZIP: South Bend IN 46628
 Client: Weaver Boos Consultants
 EDR Inquiry: 3178470.3
 Order Date: 10/7/2011 5:40:02 PM
 Certification #: 7FEA-48DC-B3BC



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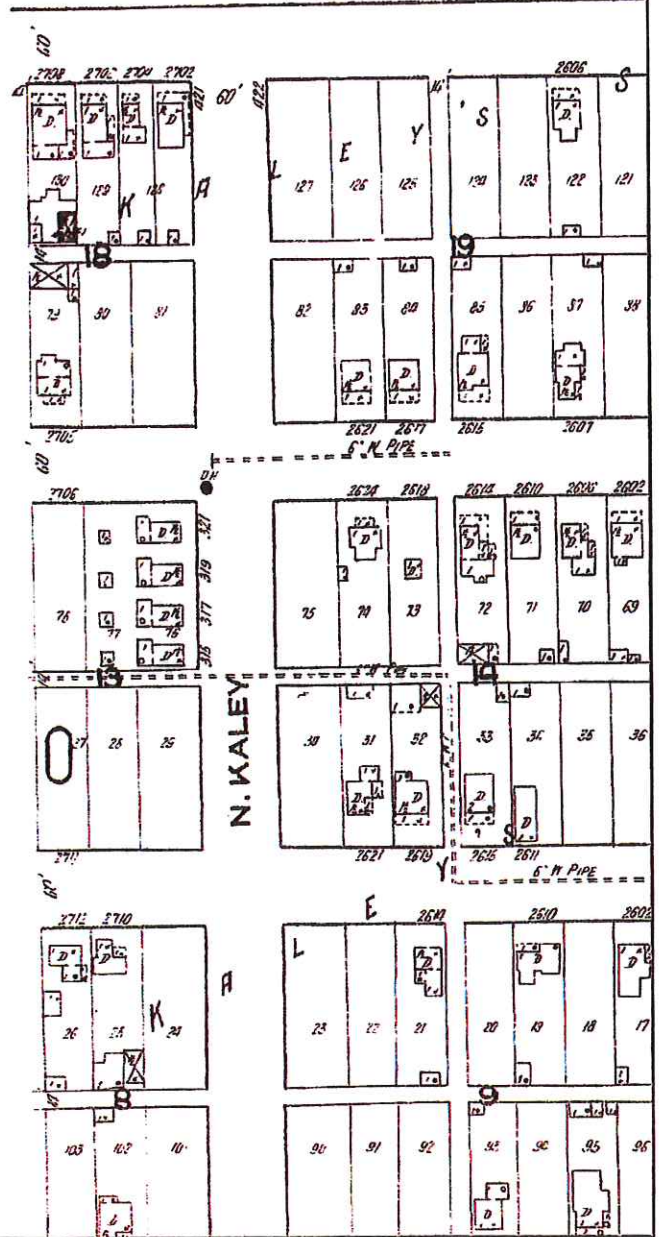
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KALEY PARK

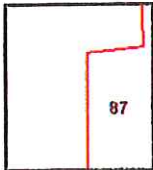
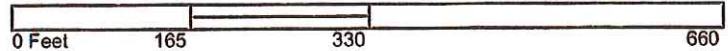
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Certification # 7FEA-48DC-B3BC

Site Name: Bosch Property
 Address: N Birch Drive/Kerwood Ave
 City, ST, ZIP: South Bend IN 46628
 Client: Weaver Boos Consultants
 EDR Inquiry: 3178470.3
 Order Date: 10/7/2011 5:40:02 PM
 Certification #: 7FEA-48DC-B3BC
 Copyright: 1917



This Certified Sanborn Map combines the following sheets.
 Outlined areas indicate map sheets within the collection.



Volume 1, Sheet 87
 Volume 1, Sheet 13



APPENDIX I
ASBESTOS SURVEYS

PROJECT REPORT

Submitted To:

**Mr. Ed Stefanek
Sr. Project Manager
Weaver Boos Consultants
4085 Meghan Beeler Court
South Bend, Indiana 46628**

COPY
Project:

**NESHAP Asbestos Survey
Former Bendix Powerhouse
South Bend, Indiana 46628**

Project Number:

11.2806

Prepared By:

**Amereco Engineering
204 E. Jefferson St.
Valparaiso, Indiana 46383
(219) 531-0531**



AMERESCO, INC.

CONSULTING • ENGINEERING • PROJECT MANAGEMENT

December 30, 2011

Mr. Ed Stefanek
Senior Project Manager
Weaver Boos Consultants
4085 Meghan Beeler Court
South Bend, Indiana 46628

Dear Mr. Stefanek:

**Re: NESHAP Asbestos Survey
Former Bendix Powerhouse
South Bend, Indiana 46628
Project #: 11.2806**

Thank you for the opportunity to provide you and Weaver Boos Consultants with this service. Please find attached documentation associated with the Pre-Demolition NESHAP Asbestos Survey conducted at the Former Bendix Powerhouse, South Bend, Indiana.

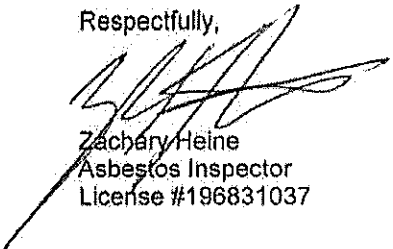
Please be advised that asbestos containing materials have been identified throughout the building. These materials may or may not need to be removed prior to the demolition/renovation of the building. Further information on the type and quantities of asbestos containing materials can be found within this report.

In summation, the estimated cost to completely abate all asbestos containing materials from the building, including the outbuilding (coal house) is \$484,500. Additionally, due to variability and unknown limits of demolition, it is estimated that the abatement of asbestos containing materials in the west tunnel is \$62,000.

The sampling and analyses were performed in accordance with all applicable state and federal rules and regulations governing asbestos inspections in public and commercial buildings. Quality control criteria specific to the analytical method have been met. All QA/QC documentation will remain on file for future reference.

Please call if you have any questions or if I can be of additional assistance in the future.

Respectfully,


Zachary Heine
Asbestos Inspector
License #196831037

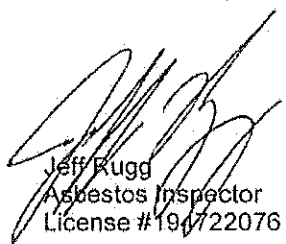

Jeff Rugg
Asbestos Inspector
License #194722076



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3	Inspection	1
4	Findings	2
5	Conclusion	3
6	Report Limitations	3
	Site Location Map, Site Plans	Appendix A
	Sample Log & Analytical Reports	Appendix B
	Laboratory Reports	Appendix C

1. Introduction

In accordance with the scope of work assigned, this report presents the results of the pre-demolition asbestos survey conducted by Amereco Engineering (Amereco) in the Former Bendix Power House. The project site is located south-west of the intersection of N. Bendix and Goodland Avenue, South Bend, Indiana. During this pre-demolition asbestos survey, Amereco collected representative bulk samples of suspect asbestos-containing materials (ACMs). This report documents and summarizes the procedures and findings of the asbestos survey.

2. Background

Amereco performed this pre-demolition asbestos survey to identify any ACMs that will need to be addressed prior to demolition of the building. The survey was performed in accordance with the Indiana Department of Environmental Management (IDEM) and the US Environmental Protection Agency (EPA) rules and regulations, specifically, the National Emission Standard for Hazardous Air Pollutants (NESHAP).

Bulk samples were collected of the suspect ACMs throughout the building. All samples were analyzed for asbestos fiber content by polarized light microscopy (PLM) (EPA-600 / M4-82-020). By EPA and OSHA definition, materials containing greater than 1% asbestos content are defined as asbestos containing materials (ACM).

3. Inspection

December 13, 2011, Amereco performed a pre-demolition asbestos survey throughout the Former Bendix Powerhouse. All ACMs were categorized into separate homogeneous materials and sampled accordingly. A homogeneous sample area is defined by the U.S. Environmental Protection Agency (EPA) as an area of surfacing material, thermal insulation, or miscellaneous material that is uniform in color and texture (Asbestos Hazard Emergency Response Act [AHERA] 40 CFR 763 Subpart E). A total of one-hundred and thirty (130) suspect asbestos samples were collected by Jeffrey Rugg, License # 194722076 and Zachary Heine, License # 196831037.

To avoid disturbing the material more than necessary and potentially cause the release of asbestos fibers, the inspector performed bulk sampling of suspect materials in accordance with generally accepted procedures outlined by the EPA. Each sample was collected and placed in a clean, sealable container and labeled with a unique sample identification number. The sample number was recorded on a Bulk Sample Log Form and on the sample container to permit easy identification of the sampled material. Supplemental information was also recorded on the Bulk Sample Log Form, including date of inspection, a brief description, location of the sample, quantity, and type (matrix) of material sampled.

The bulk samples were analyzed for asbestos content by polarized-light microscopy (PLM). This analytical method, which EPA and OSHA currently recommend for the determination of asbestos in bulk samples of friable materials, can be used for qualitative identification of six morphologically different types of asbestos fibers: chrysotile, amosite, crocidolite, anthrophyllite, tremolite, and actinolite asbestos. The method specifies that the asbestos content in a bulk sample shall be estimated and reported as a finite percentage within the range of 0 to 100. Minute quantities of asbestos in bulk samples may be reported as "trace" or less than 1 percent (<1%). The analytical method determines the asbestos percentage by means of the visual estimation technique.

4. Findings

Bulk sample analyses confirmed that asbestos is present in forty-seven (47) of the samples collected. The analytical results of all samples collected can be found on the attached Sample Log Form and Analytical Report. The following ACMs were identified:

Asbestos Containing Material	Locations	Estimated Quantity	Friability
Pipe Insulation & Fittings (Cementitious, Air Cell & Mag Block)	Throughout Building	3,800 LF	F
Gasketing	Throughout Building	10 EA	NF
Window Glazing	Throughout Building	600 LF	F
Electrical Insulating Blocks	Throughout Building	400 SF	NF
Mag Block Insulation (Non-Pipe Insulation)	Roof-Top	40 SF	F
Vat Insulation	Boiler Room – Near 1979 Boiler	3,600 SF	F
Heat Exchanger Insulation Cementitious	Boiler Room	40 SF	F
Boiler Insulation Wire Reinforced	Boiler Room	420 SF	F
Boiler Insulation Cementitious of Fiberglass	Boiler Room	2,000 SF	F
Flue Duct Insulation	Boiler Room	200 SF	F
Transite Siding	East – Exterior Roof Top	225 SF	NF
Expansion Tank Insulation	Pump Room	50 SF	F
12" x 12" Floor Tile & Mastic	Sizemore Office Area	500 SF	NF
Gross Cleanup of Debris on Ground	Throughout Building	30,000	F
Vessel Insulation	Basement	400 SF	F
Insulation on Steel Panels Boiler 2 & 3	Boiler Room	60 SF	F
Pipe Insulation	West Tunnel	Unknown	F
Built-up Roofing (Assumed)	Entire Building	14,000 SF	NF
Pipe Insulation	Outbuilding (Coal House)	50 LF	F

Note: SF – Square Foot
LF – Linear Foot
EA – Each

F – Friable
NF – Non-Friable

5. Conclusion

In review of the findings of this survey, it is my professional opinion that, due to the quantity and characteristics of the positive pipe insulation throughout the building (mixed with fiberglass and other non-asbestos insulation), that all piping should be removed by a licensed asbestos abatement contractor. A large quantity of the piping onsite is wrapped with a metal jacketing. Therefore, it is difficult to distinguish the type of piping below. Per IDEM / EPA regulations, all exploratory identification must be conducted by properly licensed personnel. Thus, all removal of jacketing must be conducted by licensed personnel.

Additionally, there is a mass amount of debris on the floors, grates, equipment, etc. that must be treated as asbestos containing. These materials are indistinguishable from the asbestos containing and non-asbestos containing insulation. Therefore, all debris must be removed by licensed asbestos abatement workers.

In summation, the following materials must be removed prior to demolition:

- All friable materials identified in Section 4 of this report.
- All Transite materials.
- All asbestos floor tile and mastic, should the concrete be recycled.
- All suspect debris on floor, grates, equipment, etc.
- All metal jacketed pipe insulation.

Based on the results of the Pre-Demolition Asbestos Survey, it is estimated that the cost to remove all ACM in preparation for demolition is \$484,500.

This does not include abatement of the insulation within the tunnels outside the building footprint, due to the limited accessibility to the tunnel system. However, based on the tunnel visible from the basement of the Former Powerhouse, it is estimated that the abatement of asbestos containing materials in the tunnels associated with the building is \$62,000.

6. Report Limitations:

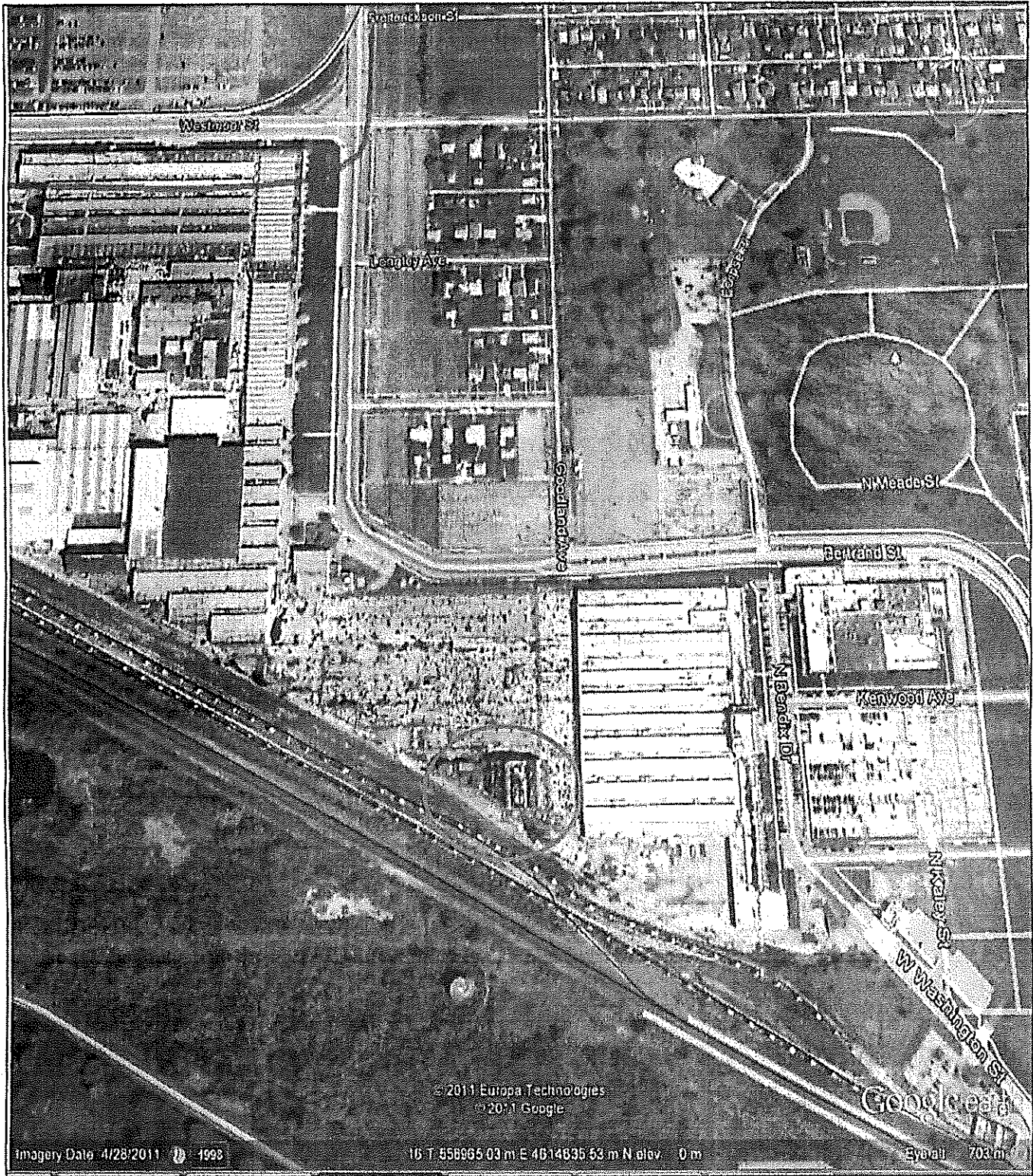
Amereco made a diligent effort to inspect all areas of the building that may contain asbestos. However, demolition activities may uncover suspect ACMs that were previously inaccessible. In the event that ACMs are uncovered during demolition, such materials should be documented and handled accordingly.


Zachary Fleine
Asbestos Inspector
License #196831037





Jeffrey Rugg
Asbestos Inspector
License #194722676

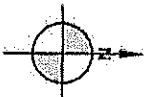
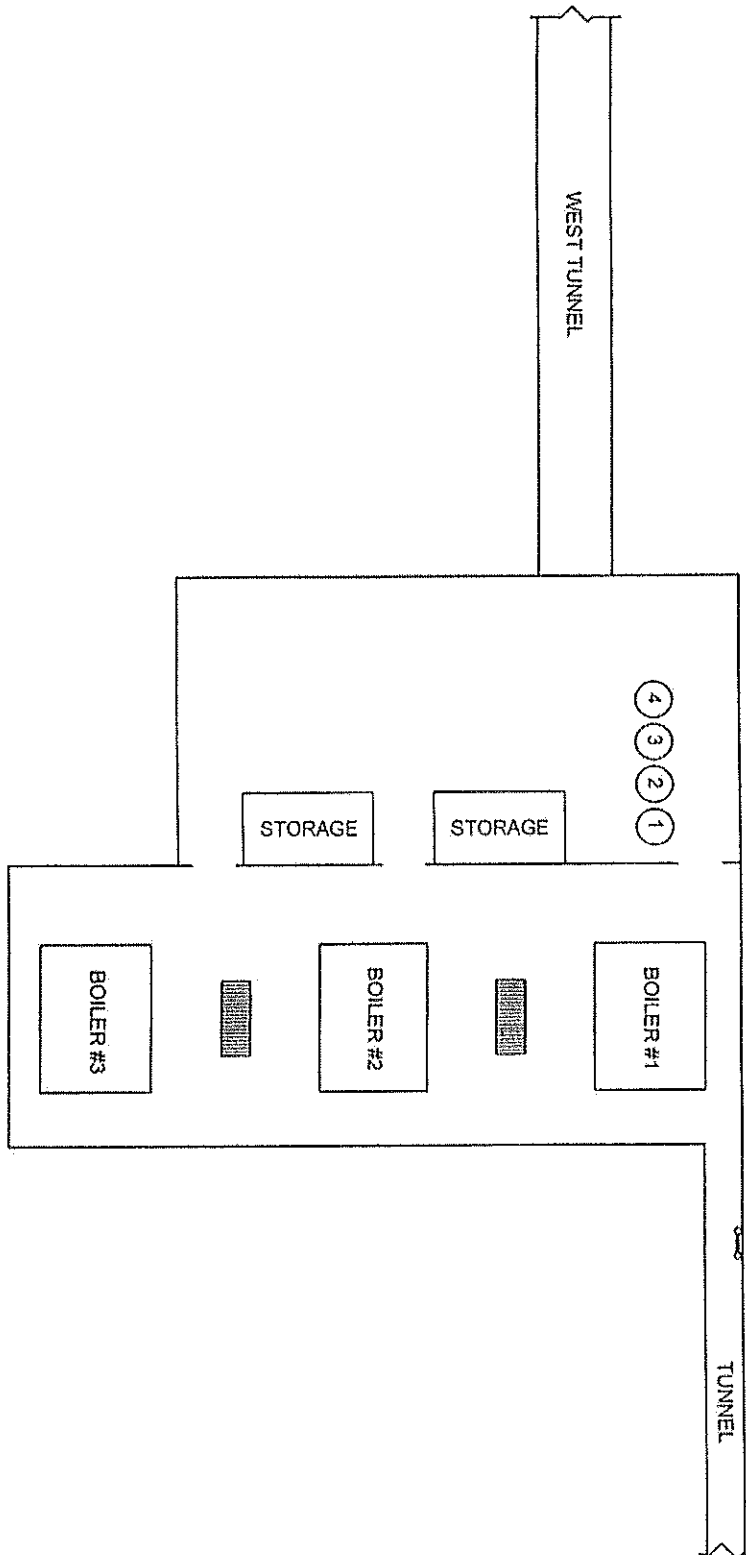
Appendix A

Site Location Map




LEGEND

-  CATWALK DECKING
-  STAIRS
-  LADDER ACCESS






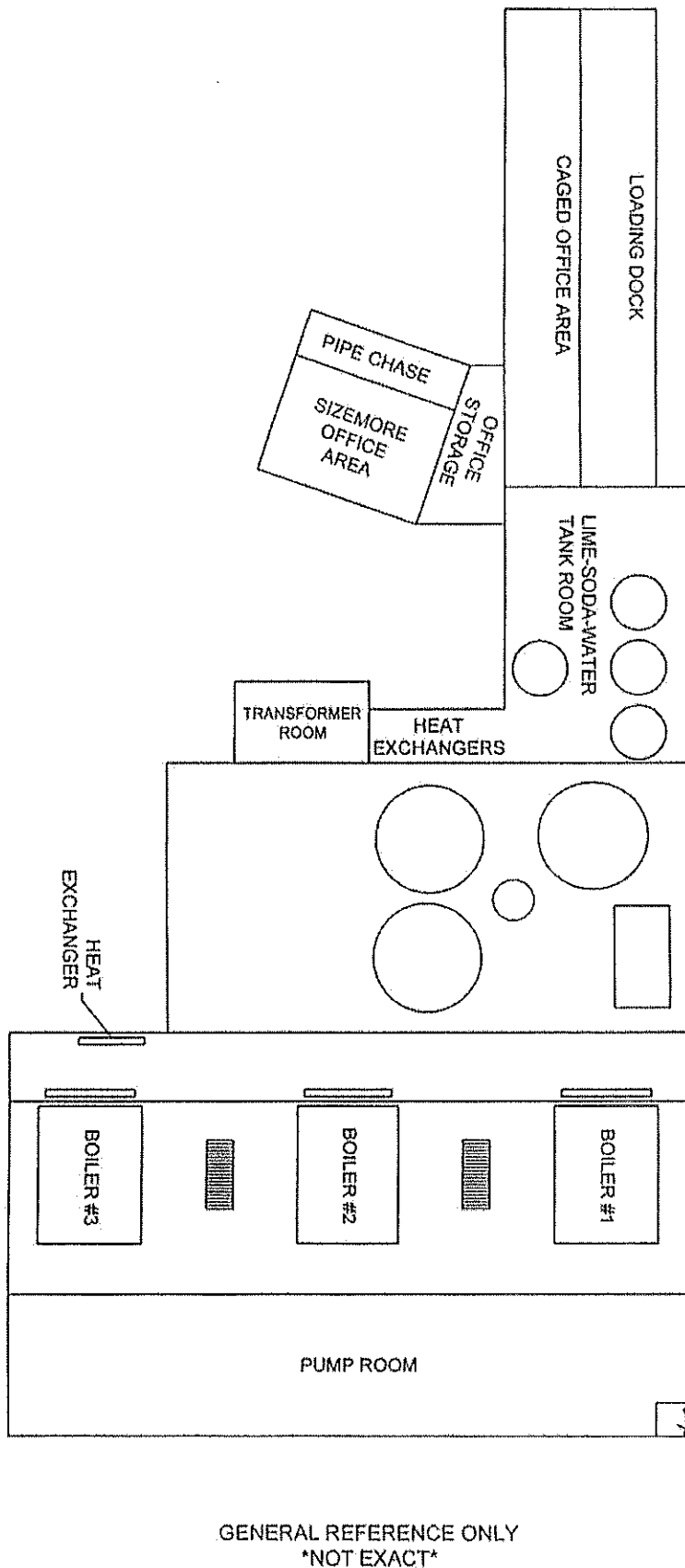
BASEMENT
SCALE: NTS

GENERAL REFERENCE ONLY
NOT EXACT

DETAIL				FORMER BENDIX POWERHOUSE		 AMERECO, INC. CONSULTING ENGINEERS-PROJECT MANAGERS 204 E. JEFFERSON STREET VALPARAISO, IN 46383 219-531-0531
NO.	DATE	ISSUED FOR				
1			SOUTH BEND	INDIANA		

LEGEND

-  CATWALK/DECKING
-  STAIRS
-  LADDER ACCESS



GENERAL REFERENCE ONLY
NOT EXACT


FIRST LEVEL
SCALE: NTS

DETAIL			
PROJECT:	NO.	DATE	ISSUED FOR
OWNER: ACAPUTO	2		
DESIGNED BY: JBLOSKY			
SCALE: NTS			

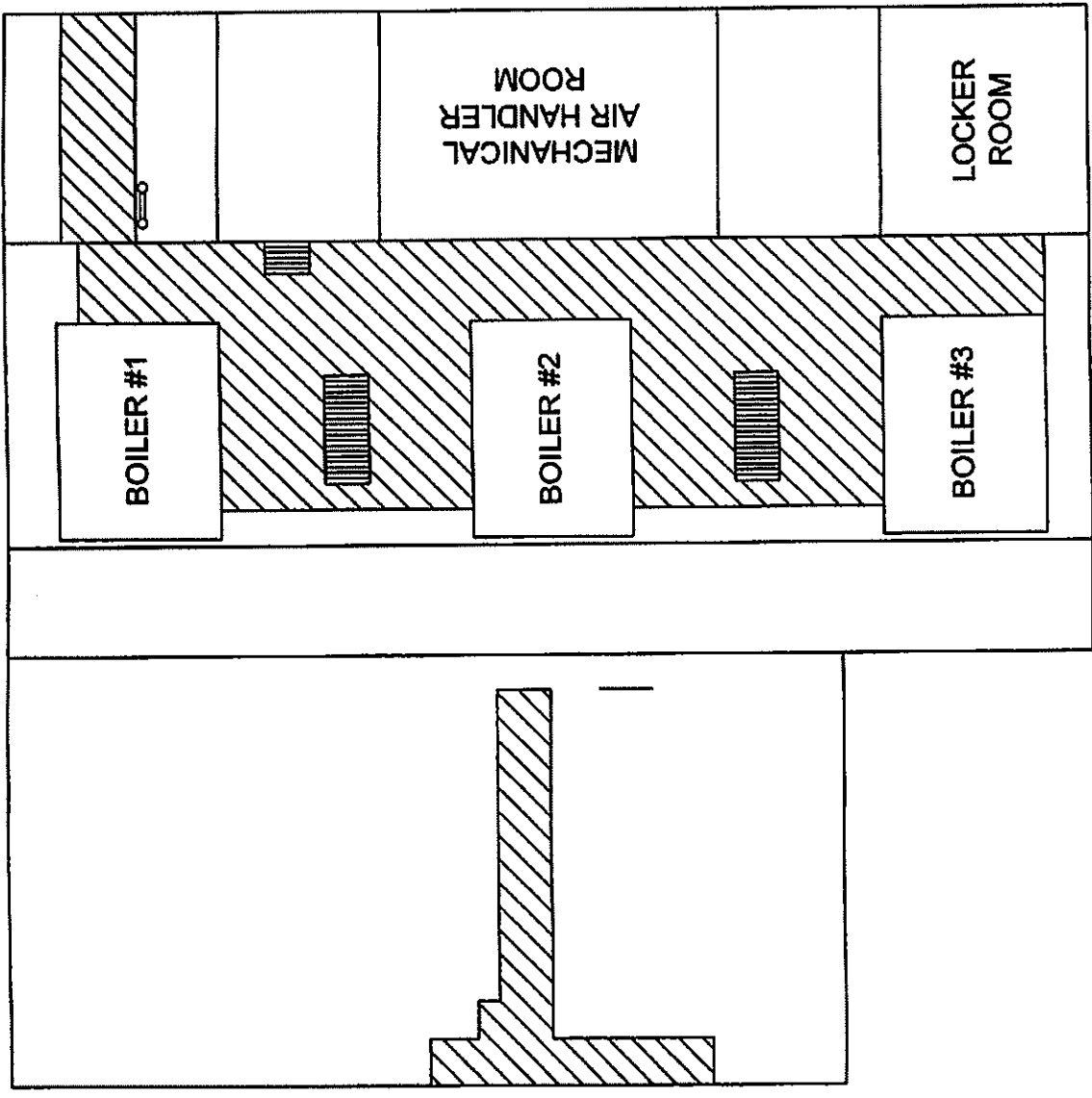
FORMER
BENDIX POWERHOUSE
SOUTH BEND INDIANA



AMERECO, INC.
CONSULTING ENGINEERS-PROJECT MANAGERS
204 E. JEFFERSON STREET
VALPARAISO, IN 46383 219-531-0531


AMERECO, INC. CONSULTING ENGINEERS-PROJECT MANAGERS 204 E. JEFFERSON STREET VALPARAISO, IN 46383 219-531-0531		FORMER BENDIX POWERHOUSE INDIANA SOUTH BEND	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">NO.</th> <th style="width: 10%;">DATE</th> <th style="width: 10%;">ISSUED FOR</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	NO.	DATE	ISSUED FOR													<div style="font-size: 2em; font-weight: bold;">3</div>	PROJECT: _____ SHEET: _____ DRAWN BY: _____ CHECKED BY: _____ DESIGNED BY: _____ DATE: _____ NTS
NO.	DATE	ISSUED FOR																		
DETAIL																				


GENERAL REFERENCE ONLY
 NOT EXACT




SECOND LEVEL
 SCALE: NTS




LEGEND

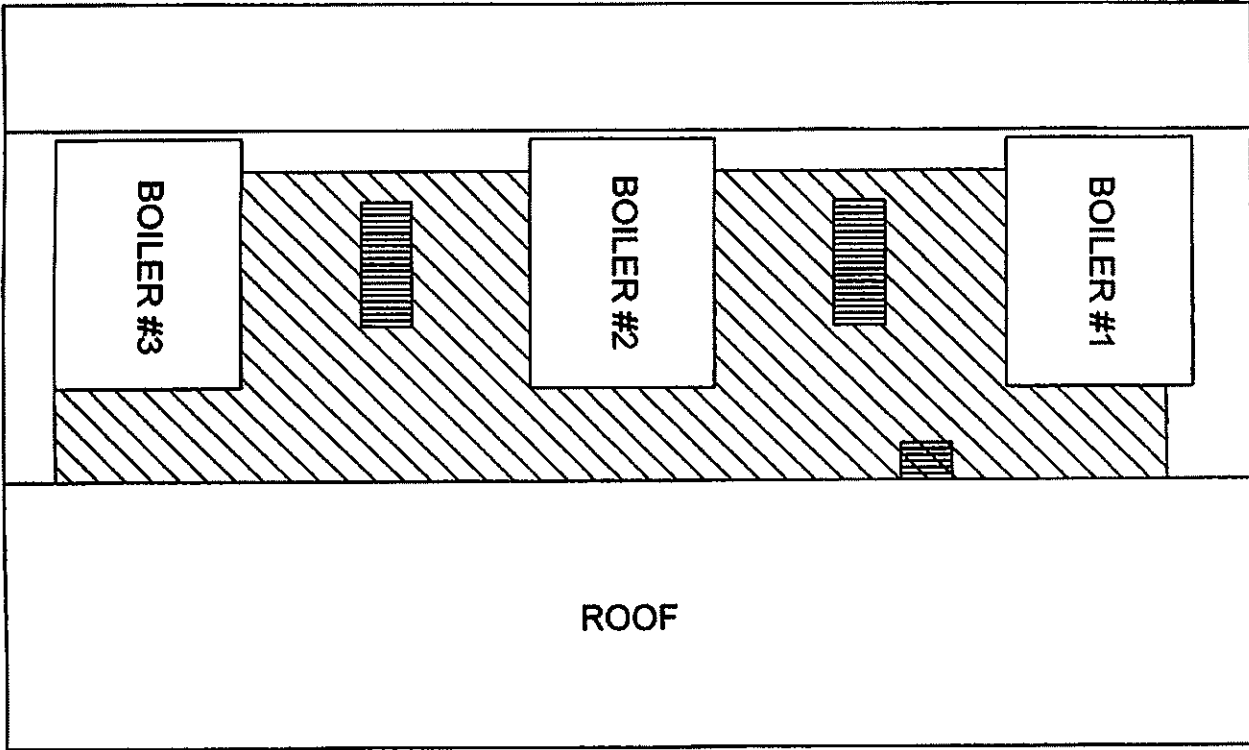
 : CATWALK DECKING

 : STAIRS

 : LADDER ACCESS

LEGEND


-  : CATWALK DECKING
-  : STAIRS
-  : LADDER ACCESS



FOURTH LEVEL
SCALE: NTS



GENERAL REFERENCE ONLY
NOT EXACT

DETAIL							
PROJECT #	SHEET	5		FORMER BENDIX POWERHOUSE			AMERECO, INC.
DRAWN BY: ACAPUTO	NO.			SOUTH BEND			
APPROVED BY: JBLASKY	DATE	ISSUED FOR					
SCALE: NTS							

Appendix B



AMERECO, INC.

CONSULTING • ENGINEERING • PROJECT MANAGEMENT

SAMPLE LOG FORM and ANALYTICAL REPORT

Client: Mr. Ed Stefanek
Weaver Boos Consultants
4085 Meghan Beeler Court
South Bend, Indiana 46628

Project: Pre-Demolition Asbestos Survey
Bendix Power House
South Bend, Indiana

Project No. 11.2806

Date Sampled: December 13, 2011

Analysis: Asbestos - Bulk

Method: Polarized Light Microscopy (EPA 600/R-93/116)

SAMPLE ID	MATRIX	DESCRIPTION AND LOCATION	ASBESTOS	NON-ASBESTOS
P01-A	MISC	12"x12" Ceiling Tile Random Small / Large Hole Pattern North Side of Sizemore Office	ND	95-99% Cellulose 1-5% Binder
P01-B	MISC	12"x12" Ceiling Tile Random Small / Large Hole Pattern South Side of Sizemore Office	ND	95-99% Cellulose 1-5% Binder
P01-B	MISC	12"x12" Ceiling Tile Random Small / Large Hole Pattern East Side of Sizemore Office	ND	95-99% Cellulose 1-5% Binder
P02-A	MISC	12"x12" Ceiling Tile Grid Pattern South Side of Sizemore office	ND	95-99% Cellulose 1-5% Binder
P03-A	MISC	12"x12" Floor Tile Gray (On Concrete) Center of Sizemore Office	5-10% Chrysotile	90-95% Binder
P03-A-M	MISC	12"x12" Floor Tile Mastic Black Center of Sizemore Office	1-5% Chrysotile	95-99% Binder
P03-B	MISC	12"x12" Floor Tile Gray (On Concrete) North Side of Sizemore Office	NA	
P03-B-M	MISC	12"x12" Floor Tile Mastic Black North Side of Sizemore Office	NA	



SAMPLE ID	MATRIX	DESCRIPTION AND LOCATION	ASBESTOS	NON-ASBESTOS
P03-C	MISC	12"x12" Floor Tile Gray (On Concrete) South Side of Sizemore Office	NA	
P03-C-M	MISC	12"x12" Floor Tile Mastic Black South Side of Sizemore Office	NA	
P04-A	SURF	Leveling Compound Under Gray 12"x12" Floor Tile and Mastic North Side of Sizemore Office	ND	99-100% Binder
P04-A-M	MISC	12"x12" Floor Tile Mastic Black North Side of Sizemore Office	1-5% Chrysotile	95-99% Binder
P05-A	TSI	18" Pipe Insulation Pipe Chase West of Sizemore Office Area	ND	95-99% Cellulose 1-5% Binder
P06-A	TSI	18" Valve Cementitious Insulation Pipe Chase West of Sizemore Office Area	5-10% Chrysotile	90-95% Binder
P07-A	TSI	18" Cementitious Pipe Fitting Insulation West Side of Office Storage Area	5-10% Chrysotile 1-5% Amosite	85-90% Binder
P08-A	TSI	Cementitious Pipe Fitting Insulation Heat Exchanger Lime-Soda-Water Mixing Tank Room	ND	80-85% Binder 15-20% Glass
P08-B	TSI	Cementitious Pipe Fitting Insulation Heat Exchanger Lime-Soda-Water Mixing Tank Room	ND	80-85% Binder 15-20% Glass
P08-C	TSI	Cementitious Pipe Fitting Insulation Heat Exchanger Lime-Soda-Water Mixing Tank Room	ND	80-85% Binder 15-20% Glass
P09-A	TSI	Corrugated Jacketing Fiberglass Pipe insulation Lime-Soda-Water Mixing Tank Room	ND	99-100% Binder
P10-A	TSI	10" Air-Cell Pipe Insulation Lime-Soda-Water Mixing Tank Room	10-15% Chrysotile	85-90% Binder
P-11A	MISC	Gasket Heat Exchanger Lime-Soda-Water Mixing Tank Room	20-25% Chrysotile	75-80% Binder
P12-A	MISC	Floor Expansion Joint Material Black Lime-Soda-Water Mixing Tank Room	ND	99-100% Binder
P13-A	MISC	Window Glazing Material West Side of Transformer Room	1-5% Chrysotile	95-99% Binder
P14-A	MISC	Insulating Block Around Switches Gray - Solid Transformer Room	20-25% Chrysotile	75-80% Binder
P14-B	MISC	Insulating Block Around Switches Gray - Honeycomb Design Transformer Room	NA	

SAMPLE ID	MATRIX	DESCRIPTION AND LOCATION	ASBESTOS	NON-ASBESTOS
P14-C	MISC	Insulating Block on Ground Gray / Black Transformer Room	NA	
P15-A	MISC	Debris on Ground White North Side of Transformer Room	ND	80-85% Binder 15-20% Glass
P16-A	TSI	8" Pipe Fitting Insulation Boiler Feed Line South Side of 1979 Boiler	ND	99-100% Binder
P16-B	TSI	10" Pipe Fitting Insulation Boiler Feed Line South side of 1979 Boiler	ND	99-100% Binder
P17-A	TSI	10"-12" Cementitious Pipe Insulation Condensate Expansion Chamber South Side of 1979 Boiler	ND	99-100% Binder
P18-A	TSI	Duplicate of Sample # P17-A	ND	99-100% Binder
P19-A	TSI	Cementitious Pipe Insulation High Pressure Steam Line South Side of 1979 Boiler	ND	99-100% Binder
P19-B	TSI	Cementitious Pipe Insulation High Pressure Steam Line Southwest Corner of 1979 Boiler – Catwalk	1-5% Chrysotile	95-99% Binder
P20-A	TSI	3" Cementitious Pipe Insulation Condensate Return Line Southwest Corner of 1979 Boiler – Catwalk	ND	80-85% Binder 15-20% Glass
P21-A	TSI	Cementitious Pipe Insulation Condensate Line East Side of 1979 Boiler	ND	99-100% Binder
P22-A	TSI	3" Cementitious Pipe Fitting Insulation East side of 1979 Boiler	ND	80-85% Binder 15-20% Glass
P23-A	TSI	24" Mag-Block Valve Insulation Southwest Corner of Boiler Room – Catwalk	10-15% Chrysotile	85-90% Binder
P23-B	TSI	24" Mag-Block Valve Insulation North End of South Catwalk	NA	
P24-A	MISC	Window Glazing Southwest Corner of Boiler Room – Catwalk	1-5% Chrysotile	95-99% Binder
P24-B	MISC	Window Glazing 2 nd Level Locker Room	ND	99-100% Binder
P25-A	TSI	Boiler Tank Insulation Half Moon Shape South End of 1979 Boiler	ND	99-100% Glass
P26-A	MISC	Insulating Block Black Southwest Boiler Room Electrical Box	ND	99-100% Binder

SAMPLE ID	MATRIX	DESCRIPTION AND LOCATION	ASBESTOS	NON-ASBESTOS
P27-A	TSI	De-Aerator Vessel Insulation Center Vertical Vessel West Vessel	ND	80-85% Binder 15-20% Glass
P27-B	TSI	De-Aerator Vessel Insulation Center Vertical Vessel East Vessel	5-10% Amosite	90-95% Binder
P27-C	TSI	De-Aerator Vessel Insulation Vertical Vessel North Vessel	NA	
P28-A	TSI	6"-8" Cementitious Pipe Fitting Insulation Boiler Room Near West Vertical Vessel	ND	80-85% Binder 15-20% Glass
P28-B	TSI	6"-8" Cementitious Pipe Fitting Insulation Boiler Room Near East Vertical Vessel	ND	80-85% Binder 15-20% Glass
P28-C	TSI	6"-8" Cementitious Pipe Fitting Insulation West Side of Boiler Room	ND	80-85% Binder 15-20% Glass
P29-A	MISC	Insulating Block on Ground Black Near Control Panel for Boiler # 1	20-25% Chrysotile	75-80% Binder
P30-A	TSI	3" Cementitious Valve Insulation Boiler Room Near East Vertical Vessel	ND	80-85% Binder 15-20% Glass
P31-A	TSI	10" Cementitious Pipe Fitting Insulation South Side of East/West Vertical Vessels	ND	80-85% Binder 15-20% Glass
P31-B	TSI	10" Cementitious Pipe Fitting Insulation North Side of East/West Vertical Vessels	ND	99-100% Binder
P32-A	TSI	10" Cementitious Pipe Insulation North of East/West Vertical Vessels	5-10% Amosite	90-95% Binder
P32-B	TSI	10" Cementitious Pipe Insulation North Vertical Condensate Vessel	NA	
P32-C	TSI	10" Cementitious Pipe Insulation Condensate Line Northwest Corner of Boiler Room	NA	
P33-A	TSI	Vessel Insulation North Vertical Condensate Vessel	5-10% Chrysotile 1-5% Amosite	85-90% Binder
P34-A	TSI	10" Cementitious Pipe Insulation High Pressure Steam Line North of West Vertical Vessel – NW Corner	5-10% Amosite	90-95% Binder
P34-B	TSI	18" Cementitious Pipe Insulation High Pressure Steam Line Northwest Corner of Boiler Room	NA	
P35-A	TSI	10" Pipe Insulation City Water Line North of West Vertical Vessel – NW corner	1-5% Chrysotile	95-99% Binder

SAMPLE ID	MATRIX	DESCRIPTION AND LOCATION	ASBESTOS	NON-ASBESTOS
P36-A	TSI	18" Cementitious Pipe Insulation Low-Pressure Steam Line North End of Boiler Room	10-15% Chrysotile	85-90% Binder
P36-B	TSI	18" Cementitious Pipe Insulation Low-Pressure Steam Line North End of Basement	NA	
P36-C	TSI	18" Cementitious Pipe Insulation Low-Pressure Steam Line Northwest Corner of Basement	NA	
P37-A	TSI	24" Cementitious Tube Insulation Tube-Like Heater South End of Boiler Room	5-10% Amosite	90-95% Binder
P38-A	TSI	6" Cementitious Pipe Insulation Tube-Like Heater South End of Boiler Room	ND	80-85% Binder 15-20% Glass
P39-A	TSI	4" Cementitious Pipe Fitting Insulation Fuel Oil Line Boiler # 1	ND	80-85% Binder 15-20% Glass
P39-B	TSI	4" Cementitious Pipe Fitting Insulation Fuel Oil Line Boiler # 2	ND	80-85% Binder 15-20% Glass
P39-C	TSI	4" Cementitious Pipe Fitting Insulation Fuel Oil Line Boiler # 3	ND	80-85% Binder 15-20% Glass
P40-A	TSI	Duplicate of Sample # P39-A	ND	80-85% Binder 15-20% Glass
P41-A	TSI	3" Cementitious Pipe Insulation High-Pressure Steam Line Boiler # 3	5-10% Chrysotile	90-95% Binder
P42-A	TSI	Mag-Block Insulation Exterior Cone Boiler # 3 – South Side – Lower	5-10% Chrysotile	90-95% Binder
P42-B	TSI	Mag-Block Insulation Exterior Cone Boiler # 2 – South Side – Lower	NA	
P42-C	TSI	Mag-Block Insulation Exterior Cone Boiler # 3 – North Side – 3 rd Level	NA	
P43-A	TSI	Insulation Lower Handled Panels Boiler # 3 – North Side – Lower	10-15% Chrysotile	85-90% Binder
P43-B	TSI	Insulation Lower Handled Panels Boiler # 2 – South Side – Lower	NA	
P43-C	TSI	Insulation Lower Handled Panels Boiler # 3 – South Side – Lower	NA	
P44-A	TSI	6" Cementitious Pipe Insulation Boiler # 3 – North Side – Lower	5-10% Amosite 1-5% Crocidolite	85-90% Binder

SAMPLE ID	MATRIX	DESCRIPTION AND LOCATION	ASBESTOS	NON-ASBESTOS
P44-B	TSI	6" Cementitious Pipe Insulation Boiler # 2 – South Side – Lower	NA	
P44-C	TSI	6" Cementitious Pipe Insulation Boiler # 1 – Vertical Line on East Side	NA	
P45-A	TSI	Refractory Cement Boiler Door Boiler # 1 – South Side – Lower	ND	99-100% Binder
P46-A	TSI	Refractory Cement Inside Boiler Boiler # 1 – South Side – Lower	ND	99-100% Binder
P47-A	TSI	Boiler Insulation Boiler # 1 – South Side – Lower	ND	80-85% Binder 15-20% Glass
P48-A	TSI	12" Cementitious Pipe Insulation Boiler # 1 – South Side – Lower	5-10% Amosite	90-95% Binder
P49-A	MISC	Debris on Pallet North End of Boiler Room Near Boiler # 1	ND	90-95% Binder 5-10% Other
P50-A	SURF	Plaster Rough and Finish Layers East Side of Boiler Room – East of Boiler #1	ND	90-95% Binder 5-10% Other
P50-B	SURF	Plaster Rough and Finish Layers West Wall of Pump Room	ND	90-95% Binder 5-10% Other
P50-C	SURF	Plaster Rough and Finish Layers East Wall of Pump Room	ND	90-95% Binder 5-10% Other
P51-A	TSI	Boiler Insulation Steel Reinforced Boiler # 2 – 2 nd Level	5-10% Chrysotile	90-95% Binder
P51-B	TSI	Boiler Insulation Steel Reinforced Boiler # 3 – 2 nd Level	NA	
P52-A	TSI	18" Cementitious Pipe Insulation Horizontal Pipe East of Boiler # 3 – 2 nd Level	1-5% Chrysotile 5-10% Amosite	85-90% Binder
P52-B	TSI	18" Cementitious Pipe Insulation Horizontal Pipe East of Boiler # 2 – 2 nd Level	NA	
P52-C	TSI	18" Cementitious Pipe Insulation Horizontal Pipe East of Boiler # 1 – 2 nd Level	NA	
P53-A	TSI	Duplicate of Sample # P52-A	5-10% Chrysotile 1-5% Amosite	85-90% Binder
P54-A	TSI	External Cone Insulation South side of Boiler # 1 – 2 nd Level	1-5% Chrysotile	95-99% Binder

SAMPLE ID	MATRIX	DESCRIPTION AND LOCATION	ASBESTOS	NON-ASBESTOS
P55-A	TSI	3" Thick Boiler Insulation Wire Reinforced South Side of Boiler # 1 - 2 nd Level	1-5% Chrysotile	95-99% Glass
P56-A	TSI	12" Cementitious Pipe Insulation Northwest Corner of Air Handler Mezzanine	5-10% Amosite	90-95% Binder
P57-A	TSI	External Boiler Cone Insulation East Cone South Side of Boiler # 3 - 4 th Level	1-5% Chrysotile	95-99% Binder
P57-B	TSI	External Boiler Cone Insulation Middle cone South Side of Boiler # 3 - 4 th Level	NA	
P57-C	TSI	External Boiler Cone Insulation West cone South Side of Boiler # 3 - 4 th Level	NA	
P58-A	TSI	Boiler Cap Insulation Top of Boiler # 1	ND	99-100% Glass
P59-A	TSI	Flue Duct Insulation East Side of Boiler # 1 - 4 th Level	5-10% Amosite	90-95% Binder
P60-A	MISC	Transite Siding East Side Exterior - 4 th Level	20-25% Chrysotile	75-80% Binder
P61-A	MISC	Soft Concrete Material South Side of Top Level Roof	ND	90-95% Binder 5-10% Other
P62-A	TSI	Mag-Block Insulation Mechanical Unit on Top Roof	5-10% Amosite	90-95% Binder
P63-A	TSI	2" Cementitious Pipe Fitting Insulation North End of Pump Room	ND	80-85% Binder 15-20% Glass
P64-A	TSI	10" Cementitious Pipe Insulation on Pump North End of Pump Room	1-5% Amosite	95-99% Binder
P65-A	TSI	Expansion Tank Insulation Pump Room Mezzanine	1-5% Amosite	95-99% Binder
P66-A	TSI	6" Cementitious Pipe Insulation South Side of Basement Under Boilers	ND	80-85% Binder 15-20% Glass
P66-B	TSI	6" Cementitious Pipe Insulation Basement - South Side of Boiler # 1	1-5% Chrysotile	95-99% Binder
P67-A	TSI	Refractory Door Cement Boiler # 2 - West Basement Access Door	ND	90-95% Binder 5-10% Other
P68-A	TSI	Boiler Fire Brick Boiler # 2 - West Basement Access Door	ND	90-95% Binder 5-10% Other

SAMPLE ID	MATRIX	DESCRIPTION AND LOCATION	ASBESTOS	NON-ASBESTOS
P69-A	TSI	16" Cementitious Pipe Insulation Vertical Boiler Feed Line Basement Pump Area	5-10% Amosite	90-95% Binder
P69-B	TSI	16" Cementitious Pipe Insulation Vertical Boiler Feed Line North End of Basement	NA	
P69-C	TSI	16" Cementitious Pipe Insulation Vertical Boiler Feed Line Northwest End of Basement Near Vessels	NA	
P70-A	TSI	12" Cementitious Pipe Insulation Vertical Boiler Feed Piping Along Ceiling Basement Pump Area	5-10% Amosite	90-95% Binder
P71-A	TSI	12"-8" Reducer Cementitious Pipe Insulation North End of Basement	ND	80-85% Binder 15-20% Glass
P72-A	TSI	Vessel Insulation Northeast Corner of Basement - Vessel # 1	5-10% Chrysotile	90-95% Binder
P72-B	TSI	Vessel Insulation Northeast Corner of Basement - Vessel # 3	NA	
P72-C	TSI	Vessel Insulation Northeast Corner of Basement - Vessel # 4	NA	
P73-A	SURF	Interior Vessel Coating Thin, White Material Northeast Corner of Basement - Vessel # 1	ND	99-100% Binder
P73-B	SURF	Interior Vessel Coating Thin, White Material Northeast Corner of Basement - Vessel # 2	ND	99-100% Binder
P73-C	SURF	Interior Vessel Coating Thin, White Material Northeast Corner of Basement - Vessel # 4	ND	99-100% Binder
P74-A	MISC	Vessel Door Gasket Northeast Corner of Basement - Vessel #1	20-25% Chrysotile	75-80% Binder
P75-A	TSI	10" Cementitious Pipe Insulation Basement Entrance to West Tunnel	ND	80-85% Binder 15-20% Glass
P76-A	TSI	24" Cementitious Pipe Insulation Condensate Line Basement Entrance to West Tunnel	5-10% Chrysotile	90-95% Binder
P77-A	TSI	Interior Boiler Insulation Beneath Metal Plate South Side of Boiler # 3 - Lower	ND	99-100% Glass
P78-A	TSI	Cementitious Interior Boiler Insulation Beneath Metal Plate South Side of Boiler # 3 - Lower	ND	90-95% Binder 5-10% Other
P79-A	MISC	Exterior Window Glazing Fire/Pump House	1-5% Chrysotile	95-99% Binder

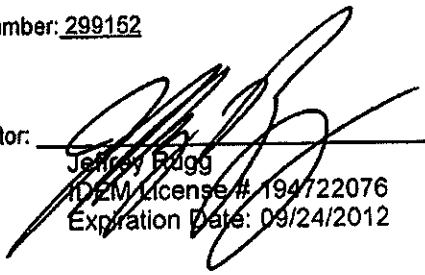
SAMPLE ID	MATRIX	DESCRIPTION AND LOCATION	ASBESTOS	NON-ASBESTOS
P80-A	TSI	16" Cementitious Pipe Insulation Basement Entrance to West Tunnel	1-5% Chrysotile 5-10% Crocidolite	85-90% Binder

ND (None Detected) = Asbestos not detected above the detection limit of PLM Methodology.
NA = Not Analyzed

Analyzed by: SAC

Ref Number: 299152

Inspector: _____



Jeffrey Fogg
IDEM license # 194722076
Expiration Date: 09/24/2012

BUR = Built-up Roofing
TSI = Thermal System Insulation
SURF = Surfacing Material
MISC = Miscellaneous Material
OTHER = Binder Constituents



AMERECO, INC.

CONSULTING • ENGINEERING • PROJECT MANAGEMENT

SAMPLE LOG FORM and ANALYTICAL REPORT

Client: Mr. Ed Stefanek
Weaver Boos Consultants
4085 Meghan Beeler Court
South Bend, Indiana 46628

Project: Pre-Demolition Asbestos Survey
Bendix Power House
South Bend, Indiana

Project No. 11.2806

Date Sampled: December 22, 2011

Analysis: Asbestos - Bulk

Method: Polarized Light Microscopy (EPA 600/R-93/116)

SAMPLE ID	MATRIX	DESCRIPTION AND LOCATION	ASBESTOS	NON-ASBESTOS
P56-B	MISC	Boiler Cap Insulation Top of Boiler # 1 Center	ND	80-85% Binder 15-20% Glass
P56-C	MISC	Boiler Cap Insulation Top of Boiler # 1 East Side	ND	80-85% Binder 15-20% Glass
P81-A	MISC	Vermiculite-like Insulation In Crate Southeast Corner of Building	ND	90-95% Binder 5-10% Other
P82-A	MISC	Black Sealant Around Boiler Access Doors South Side of Boiler #1 - 3 rd Level	1-5% Chrysotile	95-99% Binder
P83-A	MISC	Block Insulation Orange East End of Boiler # 1	5-10% Amosite	90-95% Binder
P83-B	MISC	Coating East End of Boiler # 1	NA	

Notes:

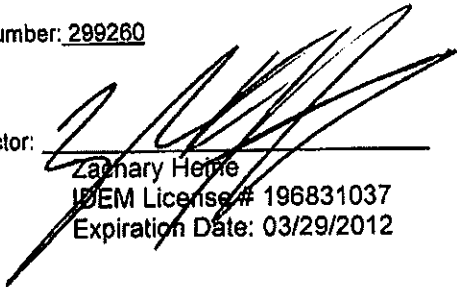
1. ND (None Detected) = Asbestos not detected above the detection limit of PLM Methodology;
2. NA = Not Analyzed;
3. Samples incorrectly marked as homogenous area 56 on chain of custody. Samples collected were of suspect asbestos-containing materials from homogenous area 58.



Analyzed by: SAC

Ref Number: 299260

Inspector:



Zachary Herpe
IDEM License # 196831037
Expiration Date: 03/29/2012

BUR = Built-up Roofing
TSI = Thermal System Insulation
SURF = Surfacing Material
MISC = Miscellaneous Material
OTHER = Binder Constituents

Appendix C



NVLAP Lab Code 101202-0

ASBESTOS ANALYSIS BY POLARIZED LIGHT MICROSCOPY

Method: EPA-600/M4-82-020

Amereco Inc
 204 E Jefferson St.
 Valparaiso, IN 46383
 Phone: (219) 531-0531
 Fax: (219) 464 0464

Reference: PO#121411.2/11.2806 Date Received: 12/15/2011
 Location: Honeywell-Powerhouse South Bend, IN Date Analyzed: 12/16/2011
 Batch No.: 299152 Date Reported: 12/16/2011
 Customer No.: 118 Turn Around Time: 1 Day

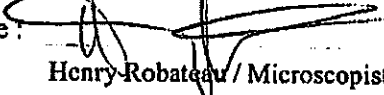
Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
299152001	P01-A	ND	Cellulose 95-99% Binder 1-5%
299152002	P01-B	ND	Cellulose 95-99% Binder 1-5%
299152003	P01-B	ND	Cellulose 95-99% Binder 1-5%
299152004	P02-A	ND	Cellulose 95-99% Binder 1-5%
299152005	P03-A	Chrysotile 5-10%	Binder 90-95%
299152006	P03-B	NA	
299152007	P03-C	NA	
299152008	P03-A-M	Chrysotile 1-5%	Binder 95-99%
299152009	P03-B-M	NA	
299152010	P03-C-M	NA	
299152011	P04-A	ND	Binder 99-100%
299152012	P04-A-M	Chrysotile 1-5%	Binder 95-99%
299152013	P05-A	ND	Cellulose 95-99% Binder 1-5%
299152014	P06-A	Chrysotile 5-10%	Binder 90-95%

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NVLAP Lab Code 101202-0

ASBESTOS ANALYSIS BY POLARIZED LIGHT MICROSCOPY

Method: EPA-600/M4-82-020

Amereco Inc
 204 E Jefferson St.
 Valparaiso, IN 46383
 Phone: (219) 531-0531
 Fax: (219) 464 0464

Reference: PO#121411.2/11.2806 Date Received: 12/15/2011
 Location: Honeywell-Powerhouse South Bend, IN Date Analyzed: 12/16/2011
 Batch No.: 299152 Date Reported: 12/16/2011
 Customer No.: 118 Turn Around Time: 1 Day

Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
299152015	P07-A	Chrysotile 5-10% Amosite 1-5%	Binder 85-90%
299152016	P08-A	ND	Binder 80-85% Glass 15-20%
299152017	P09-A	ND	Binder 99-100%
299152018	P08-B	ND	Binder 80-85% Glass 15-20%
299152019	P08-C	ND	Binder 80-85% Glass 15-20%
299152020	P10-A	Chrysotile 10-15%	Binder 85-90%
299152021	P11-A	Chrysotile 20-25%	Binder 75-80%
299152022	P12-A	ND	Binder 99-100%
299152023	P13-A	Chrysotile 1-5%	Binder 95-99%
299152024	P14-A	Chrysotile 20-25%	Binder 75-80%
299152025	P14-B	NA	
299152026	P14-C	NA	
299152027	P15-A	ND	Binder 80-85% Glass 15-20%
299152028	P16-A	ND	Binder 99-100%

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ASBESTOS ANALYSIS BY POLARIZED LIGHT MICROSCOPY

Method: EPA-600/M4-82-020

Amereco Inc

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Valparaiso, IN 46383

Phone: (219) 531-0531

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Reference: PO#121411.2/11.2806

Date Received: 12/15/2011

Location: Honeywell-Powerhouse South Bend, IN

Date Analyzed: 12/16/2011

Batch No.: 299152

Date Reported: 12/16/2011

Customer No.: 118

Turn Around Time: 1 Day

Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
299152029	P16-B	ND	Binder 99-100%
299152030	P17-A	ND	Binder 99-100%
299152031	P18-A	ND	Binder 99-100%
299152032	P19-A	ND	Binder 99-100%
299152033	P19-B	Chrysotile 1-5%	Binder 95-99%
299152034	P20-A	ND	Binder 80-85% Glass 15-20%
299152035	P24-B	ND	Binder 99-100%
299152036	P21-A	ND	Binder 99-100%
299152037	P22-A	ND	Binder 80-85% Glass 15-20%
299152038	P23-A	Chrysotile 10-15%	Binder 85-90%
299152039	P23-B	NA	
299152040	P24-A	Chrysotile 1-5%	Binder 95-99%
299152041	P25-A	ND	Glass 99-100%
299152042	P26-A	ND	Binder 99-100%
299152043	P27-A	ND	Binder 80-85% Glass 15-20%
299152044	P27-B	Amosite 5-10%	Binder 90-95%

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NVLAP Lab Code 101202-0

ASBESTOS ANALYSIS BY POLARIZED LIGHT MICROSCOPY

Method: EPA-600/M4-82-020

Amereco Inc

204 E Jefferson St.

Valparaiso, IN 46383

Phone: (219) 531-0531

Fax: (219) 464 0464

Reference: PO#121411.2/11.2806 Date Received: 12/15/2011
 Location: Honeywell-Powerhouse South Bend, IN Date Analyzed: 12/16/2011
 Batch No.: 299152 Date Reported: 12/16/2011
 Customer No.: 118 Turn Around Time: 1 Day

Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
299152045	P27-C	NA	
299152046	P28-A	ND	Binder 80-85% Glass 15-20%
299152047	P28-B	ND	Binder 80-85% Glass 15-20%
299152048	P28-C	ND	Binder 80-85% Glass 15-20%
299152049	P29-A	Chrysotile 20-25%	Binder 75-80%
299152050	P30-A	ND	Binder 80-85% Glass 15-20%
299152051	P31-A	ND	Binder 80-85% Glass 15-20%
299152052	P31-B	ND	Binder 99-100%
299152053	P32-A	Amosite 5-10%	Binder 90-95%
299152054	P32-B	NA	
299152055	P32-C	NA	
299152056	P33-A	Chrysotile 5-10% Amosite 1-5%	Binder 85-90%
299152057	P34-A	Amosite 5-10%	Binder 90-95%

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ASBESTOS ANALYSIS BY POLARIZED LIGHT MICROSCOPY

Method: EPA-600/M4-82-020

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 Phone: (219) 531-0531
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Reference: PO#121411.2/11.2806 Date Received: 12/15/2011
 Location: Honeywell-Powerhouse South Bend, IN Date Analyzed: 12/16/2011
 Batch No.: 299152 Date Reported: 12/16/2011
 Customer No.: 118 Turn Around Time: 1 Day

Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
299152058	P35-A	Chrysotile 1-5%	Binder 95-99%
299152059	P34-B	NA	
299152060	P36-A	Chrysotile 10-15%	Binder 85-90%
299152061	P37-A	Amosite 5-10%	Binder 90-95%
299152062	P38-A	ND	Binder 80-85% Glass 15-20%
299152063	P39-A	ND	Binder 80-85% Glass 15-20%
299152064	P39-B	ND	Binder 80-85% Glass 15-20%
299152065	P39-C	ND	Binder 80-85% Glass 15-20%
299152066	P40-A	ND	Binder 80-85% Glass 15-20%
299152067	P41-A	Chrysotile 5-10%	Binder 90-95%
299152068	P42-A	Chrysotile 5-10%	Binder 90-95%
299152069	P42-B	NA	
299152070	P42-C	NA	
299152071	P43-A	Chrysotile 10-15%	Binder 85-90%

ND = Asbestos Not Detected (Not Present) NA = Not Analyzed NS = Not Submitted

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NVLAP Lab Code 101702-0

ASBESTOS ANALYSIS BY POLARIZED LIGHT MICROSCOPY

Method: EPA-600/M4-82-020

Amereco Inc

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Valparaiso, IN 46383

Phone: (219) 531-0531

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Reference: PO#121411.2/11.2806 Date Received: 12/15/2011
 Location: Honeywell-Powerhouse South Bend, IN Date Analyzed: 12/16/2011
 Batch No.: 299152 Date Reported: 12/16/2011
 Customer No.: 118 Turn Around Time: 1 Day

Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
299152072	P43-B	NA	
299152073	P43-C	NA	
299152074	P44-A	Amosite 5-10% Crocidolite 1-5%	Binder 85-90%
299152075	P44-B	NA	
299152076	P44-C	NA	
299152077	P45-A	ND	Binder 99-100%
299152078	P46-A	ND	Binder 99-100%
299152079	P47-A	ND	Binder 80-85% Glass 15-20%
299152080	P48-A	Amosite 5-10%	Binder 90-95%
299152081	P49-A	ND	Binder 90-95% Other 5-10%
299152082	P50-A	ND	Binder 90-95% Other 5-10%
299152083	P50-B	ND	Binder 90-95% Other 5-10%
299152084	P50-C	ND	Binder 90-95% Other 5-10%

ND = Asbestos Not Detected (Not Present) NA = Not Analyzed NS = Not Submitted

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NVLAP Lab Code 101202-0

ASBESTOS ANALYSIS BY POLARIZED LIGHT MICROSCOPY

Method: EPA-600/M4-82-020

Amereco Inc

204 E Jefferson St.

Valparaiso, IN 46383

Phone: (219) 531-0531

Fax: (219) 464 0464

Reference: PO#121411.2/11.2806

Date Received: 12/15/2011

Location: Honeywell-Powerhouse South Bend, IN

Date Analyzed: 12/16/2011

Batch No.: 299152

Date Reported: 12/16/2011

Customer No.: 118

Turn Around Time: 1 Day

Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
299152085	P51-A	Chrysotile 5-10%	Binder 90-95%
299152086	P51-B	NA	
299152087	P52-A	Chrysotile 1-5% Amosite 5-10%	Binder 85-90%
299152088	P52-B	NA	
299152089	P52-C	NA	
299152090	P53-A	Chrysotile 5-10% Amosite 1-5%	Binder 85-90%
299152091	P54-A	Chrysotile 1-5%	Binder 95-99%
299152092	P55-A	Chrysotile 1-5%	Glass 95-99%
299152093	P56-A	Amosite 5-10%	Binder 90-95%
299152094	P57-A	Chrysotile 1-5%	Binder 95-99%
299152095	P57-B	NA	
299152096	P57-C	NA	
299152097	P58-A	ND	Glass 99-100%
299152098	P59-A	Amosite 5-10%	Binder 90-95%
299152099	P60-A	Chrysotile 20-25%	Binder 75-80%
299152100	P61-A	ND	Binder 90-95% Other 5-10%

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NVLAP Lab Code 101203-0

ASBESTOS ANALYSIS BY POLARIZED LIGHT MICROSCOPY

Method: EPA-600/M4-82-020

Amereco Inc
 204 E Jefferson St.
 Valparaiso, IN 46383
 Phone: (219) 531-0531
 Fax: (219) 464 0464

Reference: PO#121411.2/11.2806 Date Received: 12/15/2011
 Location: Honeywell-Powerhouse South Bend, IN Date Analyzed: 12/16/2011
 Batch No.: 299152 Date Reported: 12/16/2011
 Customer No.: 118 Turn Around Time: 1 Day

Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
299152101	P62-A	Amosite 5-10%	Binder 90-95%
299152102	P63-A	ND	Binder 80-85% Glass 15-20%
299152103	P64-A	Amosite 1-5%	Binder 95-99%
299152104	P65-A	Amosite 1-5%	Binder 95-99%
299152105	P66-A	ND	Binder 80-85% Glass 15-20%
299152106	P66-B	Chrysotile 1-5%	Binder 95-99%
299152107	P67-A	ND	Binder 90-95% Other 5-10%
299152108	P68-A	ND	Binder 90-95% Other 5-10%
299152109	P69-A	Amosite 5-10%	Binder 90-95%
299152110	P70-A	Amosite 5-10%	Binder 90-95%
299152111	P69-B	NA	
299152112	P69-C	NA	
299152113	P36-B	NA	
299152114	P71-A	ND	Binder 80-85% Glass 15-20%

ND = Asbestos Not Detected (Not Present) NA = Not Analyzed NS = Not Submitted

Components of inhomogeneous samples are analyzed per our Standard Operating Procedure, or per customer request.

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Analyzed by Name:

Henry Robateau Microscopist

Date: 12/16/2011

STAT Analysis Corporation

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766
 Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com



NVLAP Lab Code 101202-0

ASBESTOS ANALYSIS BY POLARIZED LIGHT MICROSCOPY

Method: EPA-600/M4-82-020

Amereco Inc
 204 E Jefferson St.
 Valparaiso, IN 46383
 Phone: (219) 531-0531
 Fax: (219) 464 0464

Reference: PO#121411.2/11.2806 Date Received: 12/15/2011
 Location: Honeywell-Powerhouse South Bend, IN Date Analyzed: 12/16/2011
 Batch No.: 299152 Date Reported: 12/16/2011
 Customer No.: 118 Turn Around Time: 1 Day


Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
299152115	P36-C	NA	
299152116	P72-A	Chrysotile 5-10%	Binder 90-95%
299152117	P73-A	ND	Binder 99-100%
299152118	P74-A	Chrysotile 20-25%	Binder 75-80%
299152119	P72-B	NA	
299152120	P72-C	NA	
299152121	P73-B	ND	Binder 99-100%
299152122	P73-C	ND	Binder 99-100%
299152123	P75-A	ND	Binder 80-85% Glass 15-20%
299152124	P76-A	Chrysotile 5-10%	Binder 90-95%
299152125	P77-A	ND	Glass 99-100%
299152126	P78-A	ND	Binder 90-95% Other 5-10%
299152127	P79-A	Chrysotile 1-5%	Binder 95-99%
299152128	P80-A	Chrysotile 1-5% Crocidolite 5-10%	Binder 85-90%

ND = Asbestos Not Detected (Not Present) NA = Not Analyzed NS = Not Submitted

Components of inhomogeneous samples are analyzed per our Standard Operating Procedure, or per customer request.

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The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This report remains property of STAT Analysis until payment is received in full (see invoice).

Analyzed by Name: 
 Henry Robateau Microscopist

299152

SAMPLE LOG FORM

Client: Weaver Boos
Project: Honeywell Aerospace - Boiler House

COPY

Page 1 of 10
Date: 12/12/11

HA # - ID	Matrix	Location	Description
P01-A	Misc		
P01-B	"		
P01-C	"		
P02-A	"		
P03-A	"		
P03-B	"		
P03-C	"		
P04-A	Misc Sack		
P05-A	TSE		
P06-A	TSE		
P07-A	TSE		
P08-A	TSE		
P09-A	TSE		
P08-B	TSE		
P08-C	TSE		

SAMPLE LOG FORM

Client: _____

Date: _____

Project: _____

HA # - ID	Matrix	Location	Description
P10-A	TSE		
P11-A	MISC		
P12-A	MISC		
P13-A	MISC		
P14-A			
P14-B			
P14-C			
P15-A			
P16-A			
P16-A	TSE		
P16-B	TSE		
P16-C			
P17-A	TSE		

Total # of Samples: _____

Sampled By: _____

299152

SAMPLE LOG FORM

Page 3 of 10

Client: _____

Project: _____

Date: _____

HA # - ID	Matrix	Location	Description
P18-A			
P19-A	TSE		
P19-B	TSE		
P19-C			
P20-A	TSE		
P24-D	MISC		
P21-A	TSE		
P22-A	TSE		
P23-A	TSE		
P23-B	TSE		

Total # of Samples: _____

Sampled By: _____

299152

SAMPLE LOG FORM

Page 4 of 10

Client: _____

Project: _____

Date: _____

HA # - ID	Matrix	Location	Description
 	 	 	
P24-A	Misc		
P25-A	TSE		
P26-B	Misc		
P27-A	TSE		
P27-B	TSE		
P27-C	"		
P28-A	TSE		
P28-B	TSE		
P28-C	"		
P29-A	Misc		
P30-A	TSE		
P31-A	TSE		
P31-B	"		
 	 	 	

Total # of Samples _____

Sampled by _____

SAMPLE LOG FORM

Client: _____

Project: _____

Clear all floor

Date: _____

HA # - ID	Matrix	Location	Description
P32-A	TSE		
P32-B	TSE		
P32-C	TSE		
P33-A	TSE		
P34-A	TSE		
P35-A	TSE		
P34-B	TSE		
P36-A	TSE		
P37-A			
P38-A			

Total # of Samples: _____

Sampled By: _____

299152

SAMPLE LOG FORM

Client: _____

Page 6 of 10

Project: Logan Roadhouse

Assume Taylor 1979 ^{Date} Boiler

HA # - ID	Matrix	Location	Organization
P39-A	TSE		
P39-B	TSE		
P39-C	TSE		
P40-A	TSE		
P41-A	TSE		
XXXXXXXXXX			
XXXXXXXXXX			
P42-A	TSE		
⁴²⁷³ P42-B	TSE		
P42-C	TSE		
P43-A	TSE		
P43-B	TSE		
P43-C	TSE		
P44-A	TSE		
P44-B	TSE		

299152

SAMPLE LOG FORM

Page 7 of 10

Client: _____

Project: _____

Date: _____

HA # - ID	Matrix	Location	Description
P44-C	TSE		
P45-A	TSE		
P46-A	TSE		
P47-A	TSE		
P48A	TSE		
P49-A			
P50-A	Surf		
P50-B	Surf		
P50-C	Surf		
P51-A	TSE		
P51-B	TSE		

Total # of Samples: ..

Sampled By: _____

299152

SAMPLE LOG FORM

Page 8 of 16

Client: _____

Project: _____

Date: _____

HA # - ID	Matrix	Location	Description
P52-A	TSE		
P52-B	TSE		
P52-C	TSE		
P53-A			
P54-A	TSE		
P55-A	TSE		
P56-A	TSE		
P57-A	TSE		
P57-B	TSE		
P57-C	TSE		
P58-A	TSE		
P59-A	TSE		
P60-A	TSE		
P61-A			
P62-A	TSE		

Total # of Samples:

Sampled By: _____

299152

SAMPLE LOG FORM

Page 9 of 10

Client: Elkhart District

Plant Room

Project:

150 LF max - 18" Hi-Press Steam
 300 LF ± 6" Pipe Installation

HA # - ID	Matrix	Location	Description
P63-A	TSE		
P64-A	TSE		
P65-A	TSE		
P66-A	TSE		
P67-A	TSE		
P68-B	TSE		
P67-A	TSE		
P68-A	TSE		
P69-A	TSE		
P70-A	TSE		
P69-B	TSE		
P69-C	TSE		
P36-B	TSE		
P70-A	TSE		
P36-C	TSE		

SAMPLE LOG FORM

Client _____

Project _____

add 2 100 LF - 6" Basecut Date _____

HA # - ID	Matrix	Location	Description
P72-A	TSE		
P73-A	Surf		
P74-A	MISC		
P75-A			
P72-B	TSE		
P72-L	TSE		
P73-B	Surf		
P73-C	Surf		
P74-B	TSE		
P75-A	TSE		
P76-A	TSE		
P77A	TSE		
P78A	TSE		
P79A	M-X		
P80-A	TSE		

1/20

STAT

Analysis Corporation

2255 W. Harrison, Suite B, Chicago, Illinois 60612 Phone: (312) 733-0551 Fax: (312) 733-2386
e-mail address: STATinfo@STATAnalysis.com AIIHA accredited 10248 NYLAP accredited 101202-0

CHAIN OF CUSTODY RECORD Page: 1 of 1



Client: Ameresco Engineering
Street Address: 2503 Eisenhower Ave.
City, State, Zip: Valparaiso, IN 46383
Phone: 219.464.0460
Fax: 219.464.0464
e-mail/All Fax: labresult@amerescoeng.com

Project Name: Bobber Power House
Project Number: 11.2006
Project Location: Dount Bess
Project Manager: Z. Helms
P.O. Number: 182311A

Client Sample Number/Description/Date Taken
Turn Around: Immediate: 4 Hrs: 8 Hrs: 12 Hrs: 24 Hrs: 48 Hrs: 72 Hrs: 5 Days:

Batch No.: **299260**
Samples Acceptable: Yes No
Checked by (Initial/Date): SMH 12/21/11
QC by (Initial/Date): SMH 12/21/11
Reported By (Initial/Date): Z Helms 12/21/11

Received by: URS Date/Time: 12/21/11 4:00 PM
Relinquished by: [Signature] Date/Time: 12/21/11 12:30

Client Sample Number/Description/Date Taken	Time		Rate (fpm)	Volume (liters)	Area Wiped (ft ²)	Laboratory Sample No.	Analysis									
	On	Off					PCM Asbestos	PLM Asbestos (Bulk)	PLM Point Count	TEM Air Asbestos	TEM Bulk Asbestos	TEM Gravimetric Asb	TEM Microvac Asb.	TEM Water	Other:	
P56-B		12/21/11					X									
P56-C							X									
P81-A							X									
P82-A							X									
P83-A							X									
P83-B							X									

Comments: Ster analysis for each Pos: HA #.

PROJECT REPORT

Submitted To:

**Mr. Ed Stefanek
Sr. Project Manager
Weaver Boos Consultants
4085 Meghan Beeler Court
South Bend, Indiana 46628**

COPY
Project:

**NESHAP Asbestos Survey
Building 501
South Bend, Indiana 46628**

Project Number:

11.2806.1

Prepared By:

**Amereco Engineering
204 E. Jefferson St.
Valparaiso, Indiana 46383
(219) 531-0531**



AMERECO, INC.

CONSULTING • ENGINEERING • PROJECT MANAGEMENT © 2015

December 30, 2011

Mr. Ed Stefanek
Senior Project Manager
Weaver Boos Consultants
4085 Meghan Beeler Court
South Bend, Indiana 46628

Dear Mr. Stefanek:

Re: **NESHAP Asbestos Survey**
Building 501
South Bend, Indiana 46628
Project #: 11.2806.1

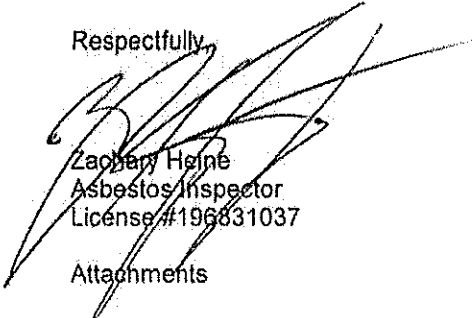
Thank you for the opportunity to provide you and Weaver Boos Consultants with this service. Please find attached documentation associated with the Pre-Demolition NESHAP Asbestos Survey conducted at the Building 501, South Bend, Indiana. All sampling and analyses were performed in accordance with all applicable local, state, and federal rules and regulations.

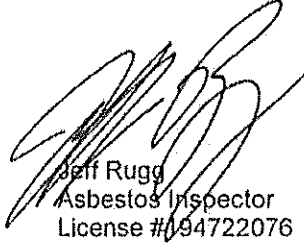
Please be advised that asbestos containing materials have been identified throughout the building. This includes known floor tile mastic and assumed built-up roofing. Neither asbestos containing material requires removal prior to demolition; however, should the concrete onsite be recycled, the floor tile mastic must be abated. Therefore, the estimated rate for removal of the asbestos containing floor tile mastic is \$1,800.

The sampling and analyses were performed in accordance with all applicable state and federal rules and regulations governing asbestos inspections in public and commercial buildings. Quality control criteria specific to the analytical method have been met. All QA/QC documentation will remain on file for future reference.

Please call if you have any questions or if I can be of additional assistance in the future.

Respectfully,


Zachary Hejny
Asbestos Inspector
License #196831037


Jeff Rugg
Asbestos Inspector
License #194722076

Attachments



Table of Contents

		<u>Page No:</u>
1	Introduction	1
2	Background	1
3	Inspection	1
4	Findings	2
5	Conclusion	2
6	Report Limitations	2
	Site Location Map	Appendix A
	Sample Log & Analytical Reports	Appendix B
	Laboratory Reports	Appendix C

1. Introduction

In accordance with the scope of work assigned, this report presents the results of the pre-demolition asbestos survey conducted by Amereco Engineering (Amereco) in Building 501. The project site is located at 501 North Bendix, South Bend, Indiana. During this pre-demolition asbestos survey, Amereco collected representative bulk samples of suspect asbestos-containing materials (ACMs). This report documents and summarizes the procedures and findings of the asbestos survey.

2. Background

Amereco performed this pre-demolition asbestos survey to identify any ACMs that will need to be addressed prior to demolition of the building. The survey was performed in accordance with the Indiana Department of Environmental Management (IDEM) and the US Environmental Protection Agency (EPA) rules and regulations, specifically, the National Emission Standard for Hazardous Air Pollutants (NESHAP).

Bulk samples were collected of the suspect ACMs throughout the building. All samples were analyzed for asbestos fiber content by polarized light microscopy (PLM) (EPA-600 / M4-82-020). By EPA and OSHA definition, materials containing greater than 1% asbestos content are defined as asbestos containing materials (ACM).

3. Inspection

December 13, 2011, Amereco performed a pre-demolition asbestos survey throughout Building 501. All ACMs were categorized into separate homogeneous materials and sampled accordingly. A homogeneous sample area is defined by the U.S. Environmental Protection Agency (EPA) as an area of surfacing material, thermal insulation, or miscellaneous material that is uniform in color and texture (Asbestos Hazard Emergency Response Act [AHERA] 40 CFR 763 Subpart E). A total of eleven (11) suspect asbestos samples were collected by Jeffrey Rugg, License # 194722076 and Zachary Heine, License # 196831037.

To avoid disturbing the material more than necessary and potentially cause the release of asbestos fibers, the inspectors performed bulk sampling of suspect materials in accordance with generally accepted procedures outlined by the EPA. Each sample was collected and placed in a clean, sealable container and labeled with a unique sample identification number. The sample number was recorded on a Bulk Sample Log Form and on the sample container to permit easy identification of the sampled material. Supplemental information was also recorded on the Bulk Sample Log Form, including date of inspection, a brief description, location of the sample, quantity, and type (matrix) of material sampled.

The bulk samples were analyzed for asbestos content by polarized-light microscopy (PLM). This analytical method, which EPA and OSHA currently recommend for the determination of asbestos in bulk samples of friable materials, can be used for qualitative identification of six morphologically different types of asbestos fibers: chrysotile, amosite, crocidolite, anthrophyllite, tremolite, and actinolite asbestos. The method specifies that the asbestos content in a bulk sample shall be estimated and reported as a finite percentage within the range of 0 to 100. Minute quantities of asbestos in bulk samples may be reported as "trace" or less

than 1 percent (<1%). The analytical method determines the asbestos percentage by means of the visual estimation technique.

4. Findings

Bulk sample analyses confirmed that asbestos is present in one (1) of the samples collected. The analytical results of all samples collected can be found on the attached Sample Log Form and Analytical Report. The following ACMs were identified:

Asbestos Containing Material	Locations	Estimated Quantity	Friability
12" X 12" Floor Tile Mastic	Overhead Door Room	250 SF	NF
Built-Up Roofing (Assumed)	Roof	900 SF	NF

Note: SF – Square Foot F – Friable
 LF – Linear Foot NF – Non-Friable
 EA – Each

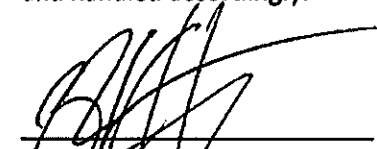
5. Conclusion

It is my professional opinion that asbestos abatement prior to demolition activities are not required. However, two (2) asbestos containing, Category 1 Non-Friable asbestos containing materials were identified onsite. Both of these materials may remain during demolition, given that they will not be pulverized, crushed, ground, burned, etc. that will result in the material becoming friable.

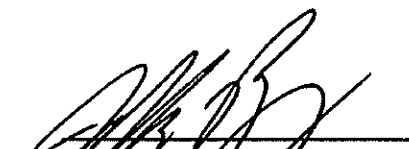
However, should the concrete onsite be recycled, the floor tile mastic must be removed. Generally, it is far more cost effective to remove asbestos flooring mastics than it is to haul concrete to an appropriate disposal facility. Therefore, the budgetary figure for the removal of the asbestos containing floor tile mastic is \$1,800.00.

6. Report Limitations:

Ameroco made a diligent effort to inspect all areas of the building that may contain asbestos. However, demolition activities may uncover suspect ACMs that were previously inaccessible. In the event that ACMs are uncovered during demolition, such materials should be documented and handled accordingly.



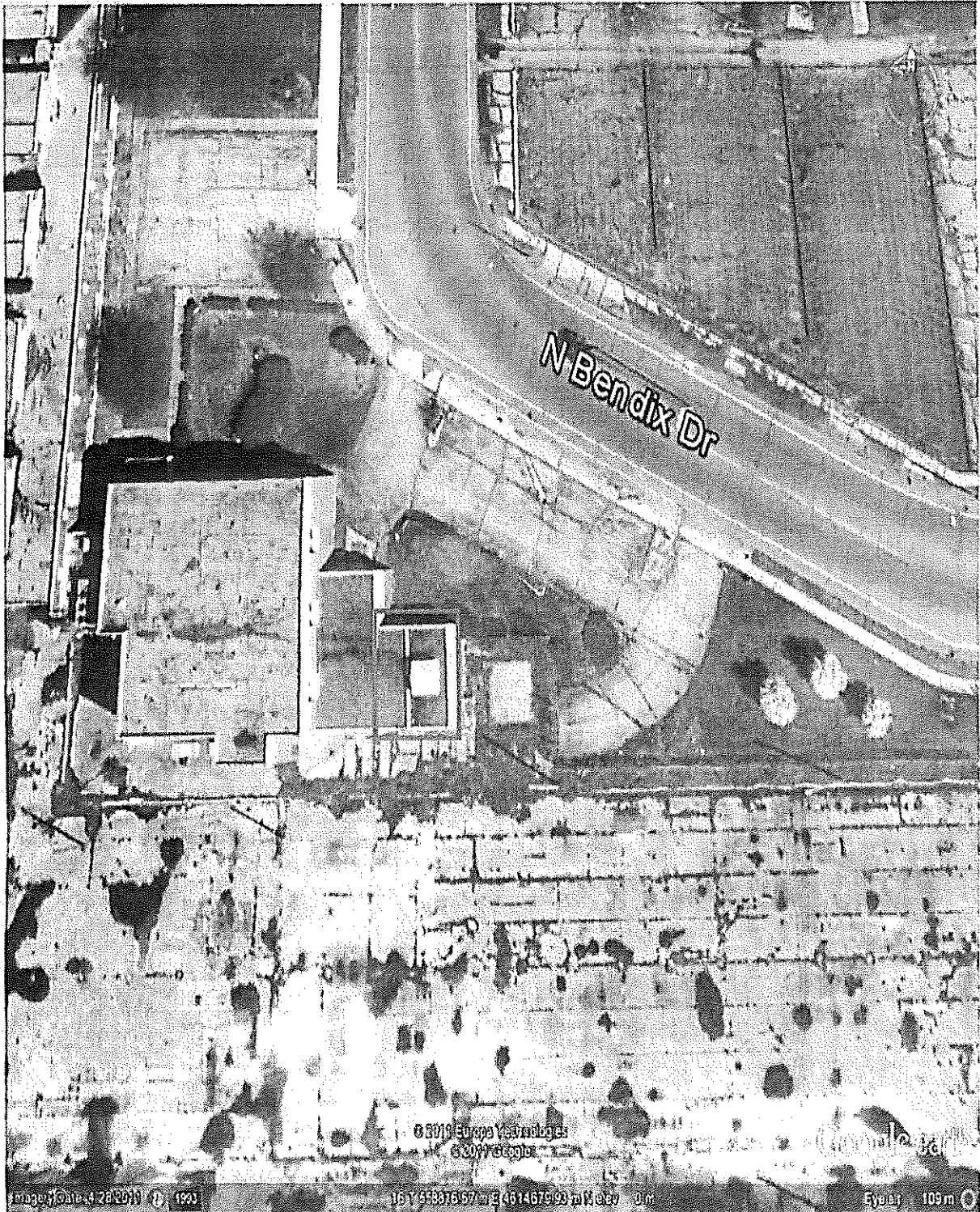
Zachary Heine
Asbestos Inspector
License #196831037



Jeffrey Rugg
Asbestos Inspector
License #194712076

Appendix A

Site Location Map



Appendix B



AMERECO, INC.

CONSULTING • ENGINEERING • ENVIRONMENTAL SERVICES

SAMPLE LOG FORM and ANALYTICAL REPORT

Client: Mr. Ed Stefanek
Weaver Boos Consultants
4085 Meghan Beeler Court
South Bend, Indiana 46628

Project: Building 501
501 N. Bendix
South Bend, Indiana

Project No. 11.2806

Date Sampled: December 13, 2011

Analysis: Asbestos - Bulk

Method: Polarized Light Microscopy (EPA 600/R-93/116)

SAMPLE ID	MATRIX	DESCRIPTION AND LOCATION	ASBESTOS	NON-ASBESTOS
50101-A	MISC	24"X48" Ceiling Tile Random Fissure Pattern with Pinholes Transformer Room	ND	20-25% Cellulose 75-80% Binder
50101-B	MISC	24"X48" Ceiling Tile Random Fissure Pattern with Pinholes Hallway Outside Transformer Room	ND	20-25% Cellulose 75-80% Binder
50101-C	MISC	24"X48" Ceiling Tile Random Fissure Pattern with Pinholes Overhead Door Room	ND	20-25% Cellulose 75-80% Binder
50102-A	MISC	12"X12" Floor Tile Beige with Tan Specks Overhead Door Room	ND	99-100% Binder
50102-A-M	MISC	12"X12" Floor Tile Mastic Black Overhead Door Room	1-5% Chrysotile	95-99% Binder
50102-B	MISC	12"X12" Floor Tile Beige with Tan Specks Hallway Outside Transformer Room	ND	99-100% Binder
50102-B-M	MISC	12"X12" Floor Tile Mastic Black Hallway Outside Transformer Room	NA	
50102-C	MISC	12"X12" Floor Tile Beige with Tan Specks Overhead Door Room Closet	ND	99-100% Binder
50102-C-M	MISC	12"X12" Floor Tile Mastic Black Overhead Door Room Closet	NA	



SAMPLE ID	MATRIX	DESCRIPTION AND LOCATION	ASBESTOS	NON-ASBESTOS
50103-A	TSI	Cementitious Coating On End of Fiberglass Piping East Boiler Room	ND	99-100% Binder
50104-A	MISC	Drywall Overhead Door Room – Ramp Area	ND	5-10% Cellulose 90-95% Binder

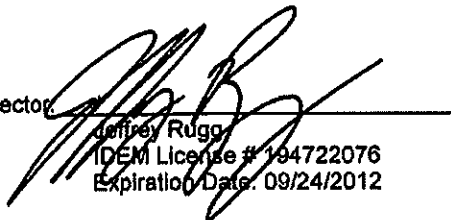
ND (None Detected) = Asbestos not detected above the detection limit of PLM Methodology.
NA = Not Analyzed

Analyzed by: SAC

Ref Number: 299151

BUR = Built-up Roofing
TSI = Thermal System Insulation
SURF = Surfacing Material
MISC = Miscellaneous Material
Other = Binder Constituents

Inspector: _____



Jeffrey Rugg
IDEM License # 194722076
Expiration Date: 09/24/2012

Appendix C

STAT Analysis Corporation
 2242 West Harrison St., Suite 200, Chicago, IL 60612-3766
 Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com



NVLAP Lab Code 1111202-0

ASBESTOS ANALYSIS BY POLARIZED LIGHT MICROSCOPY

Method: EPA-600/M4-82-020

Amercco Inc
 204 E Jefferson St.
 Valparaiso, IN 46383
 Phone: (219) 531-0531
 Fax: (219) 464 0464

Reference: 121411.1/11.2806
 Location: Honeywell-Bldg 501 South Bend, IN
 Batch No.: 299151
 Customer No.: 118

Date Received: 12/15/2011
 Date Analyzed: 12/16/2011
 Date Reported: 12/16/2011
 Turn Around Time: 1 Day

Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
299151001	50101-A	ND	Cellulose 20-25% Binder 75-80%
299151002	50101-B	ND	Cellulose 20-25% Binder 75-80%
299151003	50101-C	ND	Cellulose 20-25% Binder 75-80%
299151004	50102-A	ND	Binder 99-100%
299151005	50102-B	ND	Binder 99-100%
299151006	50102-C	ND	Binder 99-100%
299151007	50102-A-M	Chrysotile 1-5%	Binder 95-99%
299151008	50102-B-M	NA	
299151009	50102-C-M	NA	
299151010	50103-A	ND	Binder 99-100%
299151011	50104-A	ND	Cellulose 5-10% Binder 90-95%

ND = Asbestos Not Detected (Not Present) NA = Not Analyzed NS = Not Submitted
 Components of inhomogeneous samples are analyzed per our Standard Operating Procedure, or per customer request.

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Analyzed by Name: 
 Henry Robateau / Microscopist

STAT Analysis Corporation
 2242 W. Harrison, Suite 206, Chicago, Illinois 60612 Phone: (312) 733-9551 Fax: (312) 733-2386
 e-mail address: STATinfo@STATANALYSIS.com AHA acc# 101160 NYLAP Lab code 10202-0

CHAIN OF CUSTODY RECORD

Page: 1 of 1

Turn Around: 4 Hrs 8 Hrs 12 Hrs 1 Day 2 Days 3 Days 5 Days

Date Due: _____ Time Due: **12:00 PM**

OFFICE USE ONLY BELOW:

Batch No.: **299151**

Requisitioned by: _____ Date/Time: **12/15/11 1:30 PM**

Received by: _____ Date/Time: **12/15/11 1:30 PM**

Relinquished by: _____ Date/Time: _____

Sample Acceptable: Yes No

Checked by (Initial/Date): **JAN/12/11**

QC by (Initial/Date): **JAN/12/11**

Reported By (Initial/Date/Time/In/Out): _____

Comments: _____

Client Sample Number/Description: Date Taken	Time		Rate (ppm)	Volume (Liters)	Area Wiped (ft ²)	Laboratory Sample No.	PCMs									
	On	Off					PCMs Asbestos	PLM Asbestos (Bulk)	PLM Point Count	TEM Air Asbestos	TEM Bulk Asbestos	TEM Gravimetric Ash	TEM Microvac Ash	TEM Water	Other	
50101-A		12/13/11					X									
50101-B							X									
50101-C							X									
50102-A							X									
50102-B							X									
50102-C							X									
50103-A							X									
50104-A							X									

Comments: Please stop analysis after positive identification for each HAZ

APPENDIX J
PERSONNEL QUALIFICATIONS

EDWARD B. STEFANEK

Sr. Project Manager / Environmental Scientist

Fields of Expertise

Phase I and II Environmental Site Assessments, Remedial Site Investigations and Oversight, Asbestos Inspection/Survey, Underground Tank Removals and Site Assessments, Wetland Determinations and Delineations, Geotechnical Site Investigations, Wellhead Protection Plans, State Cleanup Investigations and Closure, Michigan Baseline Environmental Assessments, and Michigan Section 7a Compliance Analyses

Certification

State of Michigan Licensed Asbestos Inspector

State of Michigan Construction Certified Stormwater Inspector

Education

Master of Environmental Science,
Miami University, 1993

Bachelor of Arts, Hiram College, 1989,
Biological Science Major

Professional Summary

Mr. Stefanek serves as Senior Project Manager with Weaver Boos Consultants, LLC. He has over nineteen years of environmental project experience. During that time, Mr. Stefanek has been involved in all aspects of project implementation including technical and/or project management services. He has successfully completed numerous projects related to remedial site investigations and oversight, multi-phase environmental site assessments, asbestos inspection, geotechnical site investigations, wetland determinations and delineations, and underground storage tank removal, assessments, and closures. In addition, he has prepared several state-approved wellhead protection plans for several municipalities.

Prior to joining Weaver Boos, Mr. Stefanek served as a Project Manager for a Michigan-based regional environmental consulting firm.

Select Project Experience

Mr. Stefanek has been responsible for managing the environmental compliance aspects of thirty leaking underground storage tank sites. He was responsible for conducting the work necessary to remove the tanks and, in the case of contamination, characterize and delineate the extent of contamination, perform feasibility analyses, and recommend a corrective action. The implementation of risk-based corrective action was implemented at many sites to achieve closure or compliance.

Mr. Stefanek has provided environmental oversight expertise in the demolition of several former heavy industrial manufacturing buildings originally occupied by an automotive manufacturer. This expertise included the preparation of environmental bid documents.

On behalf of a major food retail chain, Mr. Stefanek has been responsible since 1993 for the performance of several multi-phase environmental site assessments and geotechnical soils investigations for several properties located in Michigan, Ohio, Indiana, and Illinois including a proposed distribution warehouse near Lansing, Michigan. Services included environmental remediation oversight (removal of underground storage tanks, asbestos, impacted soil, etc.) at several locations that were formerly occupied by commercial/manufacturing buildings which were demolished.

Mr. Stefanek also was responsible for the implementation and completion of a hydrogeologic study in Jackson, Michigan. The study was completed as part of a proposed landfill expansion for an owner of a Type III landfill. In addition, Mr. Stefanek was also responsible for completing several other activities necessary to acquire a construction permit from the State of Michigan for the landfill. These activities included the completion of an endangered/threatened species survey, wetland delineation/mitigation, and the preparation of a hydrogeologic monitoring plan.

EDWARD B. STEFANEK

SR. Project Manager / Environmental Scientist

In addition, Mr. Stefanek has conducted numerous Baseline Environmental Assessments and Section 7a Compliance Analyses in the State of Michigan. These activities were conducted on behalf of a prospective buyer who desired property that was known to be contaminated but did not want the liability often associated with being an owner of such a site. Mr. Stefanek has also conducted similar brownfield assessments in Indiana and Illinois.

Mr. Stefanek has completed wellhead protection plans for several communities located in the State of Michigan. As part of the wellhead protection plan, a protection zone surrounding the public water supply well was delineated. This delineation was accomplished by performing an aquifer analysis test at the wellhead and then using the results to model the groundwater flow beneath the wellhead. A ten-year time-of-travel (TOT) zone was delineated using a state-approved analytical or numerical model. A contaminant source inventory was then completed within the TOT zone, otherwise known as the wellhead protection area. Management alternatives were then recommended including education and regulatory strategies. A contingency plan was then prepared in the event of the drinking water were to be at risk.

While interning for the Texas Water Commission in Austin, Texas, Mr. Stefanek developed a comprehensive ground water protection plan for the Edwards Aquifer. One of the objectives of the plan was to recommend alternatives for local governments region wide to protect their drinking water supplies.

Publications

"A Comprehensive Aquifer Protection Strategy for the Edwards Aquifer," Miami University, May 1993

"Conducting the Contaminant Source Inventory," presented at the 3rd Annual Michigan Groundwater Protection Conference, November, 1999

Professional Affiliations

National Groundwater Association

STEVEN M. STANFORD, LPG

Senior Project Manager

Fields of Expertise

Hydrogeology, Groundwater Modeling, Dewatering System Design, Environmental Geology, Risk Assessment, Risk Based Corrective Action, Organic and Inorganic Environmental Chemistry, Site Characterization, Remedial Action Design and Implementation, and RCRA Permitting.

Certification

Licensed Professional Geologist: Indiana & Illinois
OSHA Hazwoper Health & Safety Training
OSHA Supervisor's Health & Safety Training
UST Decommissioning: IFCI
UST Professional: Michigan
UST Decommissioning: Indiana

Education

B.S. Geology, Indiana University, 1985.
M.S. Hydrogeology & Environmental Chemistry, Purdue University, 1998.

Modeling Pollutant Movement In Groundwater, 40 hr Continuing Education, U. of Wisconsin, 1986.

Risk-Based Corrective Action Applied at Petroleum Release Sites, 16 hr Continuing Education, American Society of Testing and Materials (ASTM), 2001.

Professional Summary

Mr. Stanford is a Senior Project Manager with Weaver Boos Consultants. Working as a consultant to industry for 22 years, Mr. Stanford has completed all phases of facility and hydrogeologic site characterization, water well design, the pumping and treatment of groundwater, risk assessment, and remediation, successfully closing and/or permitting numerous TSD, UST, LUST, VRP, and SRP facilities.

Prior to joining Weaver Boos Consultants, Mr. Stanford worked for two nationally recognized environmental firms and co-owned a successful environmental consulting firm for five years. He has enjoyed success in dewatering system design, remedial design, implementation, and the subsequent closure of many significantly impacted facilities using state-of-the-art remediation technology.

Select Project Experience

Mr. Stanford designed a groundwater interceptor system at a closed Illinois solid waste disposal facility that performed in accordance with its design parameters. The system included a barrier wall and interceptor trench system arranged to utilize a naturally occurring sand layer as a landfill under-drain. The subsurface hydraulics of the system were designed using the USGS MODFLOW groundwater flow model.

Numerous groundwater dewatering and drainage systems have been evaluated, designed, and constructed by Mr. Stanford based on fundamental hydrogeologic principles such as Darcy's law, the Theim equation, and the Theis equation. He has conducted numerous aquifer pumping tests to predict groundwater drawdown, groundwater yield, and to measure hydraulic conductivity, transmissivity, and groundwater flow velocity.

Mr. Stanford served as technical coordinator for a sudden release of 130,000 gallons of chromate-containing emergency cooling water at an integrated steel mill. He designed and supervised the installation of a well point dewatering system to recover and treat chromated cooling water within 48 hours of the release. He negotiated termination of the work and closure of the incident with IDEM Office of Environmental Response only 10 days after the work began.

Mr. Stanford was principally responsible for the hydrogeological assessment and Groundwater Impact Assessment (GIA) relative to the proposed expansion of three Illinois solid waste disposal facilities. His work, including expert testimony, contributed to the successful siting of a proposed 200-acre landfill expansion.

The GIAs prepared by Mr. Stanford utilize groundwater flow models incorporating statistical evaluation of environmental data and other modeling input parameters, literature reviews identifying physico-chemical characteristics for chemically similar groupings of leachate constituents, multi-group surrogate modeling with separate sensitivity analyses, and in select instances, multiple conceptual models utilized to separately assess migration from the bottom and side slopes of the landfill liner

STEVEN M. STANFORD, LPG

Senior Project Manager

system. He is versed in the evaluation of advection, dispersion, and diffusive contaminant migration mechanisms and is familiar with the most recent research on diffusion transport through clay and high density polyethylene.

Based largely on the Johnson & Ettinger vapor intrusion model as published by EPA in 2003, Mr. Stanford completed a quantitative baseline risk assessment supporting the completion of RCRA corrective action for organic solvents released to soil and groundwater beneath an historical manufacturing facility. His work included quantification of risks resulting from ingestion, inhalation, and dermal contact with soil and groundwater consistent with Risk Assessment Guidance for Superfund (RAGS) Parts A, B, and E.

To close an Indiana Voluntary Remediation Program site, Mr. Stanford prepared a baseline human health risk assessments in accordance with RAGS and ASTM Risk Based Corrective Action technical protocols. His resulting risk assessment allowed successful completion of the remediation based on one of the highest site-specific closure levels approved in Indiana for benzene.

Mr. Stanford has assessed numerous contaminated sites in accordance with ASTM and state-specific risk-based corrective action protocols. This work has included the development of Tier II and Tier III remediation objectives in accordance with Illinois' TACO program and Indiana's RISC non-rule policy. These efforts have included digital and analytical modeling of a variety of exposure pathways including volatilization of VOCs to ambient and indoor air, ingestion, inhalation, and dermal absorption.

Mr. Stanford completed and subsequently obtained approval from IEPA for a supplemental permit application specifying a groundwater quality assessment at a closed Illinois Part 307 facility. The assessment plan incorporated electromagnetic conductivity geophysical methods to aid in the selection of monitoring well locations.

On behalf of a North American railroad company, Mr. Stanford investigated a 98-acre rail yard located in Bensenville, Illinois. He enrolled the facility into Illinois' Site Remediation Program and his Site Investigation/Remedial Objectives Report was

approved. As a consequence, no remediation was found to be necessary for approximately 90 acres of the yard, despite the presence of numerous recognized environmental conditions. On the balance of the site, he installed a vacuum-skimming remediation system that is currently extracting diesel fuel free product from a shallow aquifer.

Mr. Stanford reviewed the proceedings of a Region 5 Superfund Site contaminated by four principal PRPs to develop an equitable allocation of response costs among the PRPs. Boiling point distributions and statistical analyses of site contaminant data were used to identify the contributions of one recalcitrant PRP. His resulting method of allocation utilized the concepts of causality and the stand-alone method of common cost allocation.

Mr. Stanford Investigated and prepared a closure plan for a solvent-recovery TSD facility that was part of a larger NPL site. His closure plan addressed storage (tank) and treatment (vacuum stills) units. He secured IDEM approval, taking advantage of the facility's NPL status to successfully defer subsurface remediation, and implemented closure through successful final certification.

Mr. Stanford investigated and prepared plans for a multi-year TSD/Superfund site closure located in EPA Region 7. He was responsible for all sampling and geological/ hydrogeological characterization of the site and a coauthor of closure documents describing an Expedited Response Action whereby the site was re-graded, capped, and finally covered with a new abutment for a U.S. Highway extended over both the site and the Mississippi River.

Mr. Stanford designed, specified, procured equipment, and installed an air sparging/soil vapor extraction remediation systems for the town of Chesterton, Indiana. This project included 40 air injection wells, four soil vapor extraction wells, process control design and installation, operations, and maintenance. He directed, supervised, and completed all construction activities. After three years of operation, 1,600 pounds of gasoline were recovered as vapor and groundwater BTEX concentrations were either eliminated or reduced by over 95 percent in all monitoring wells.

STEVEN M. STANFORD, LPG

Senior Project Manager

At an MGP site located in Springfield, Illinois, Mr. Stanford developed a conceptual remediation plan specifying 600 linear feet of groundwater interceptor trench, excavation and stabilization of tar wastes using lime, installation of a state-of-the-art underground tank fuel system, and capping of a facility impacted with gas manufacturing residue. He managed the project through final design, secured IEPA approval, and oversaw construction of the remedy. This project included an extensive ambient air monitoring program utilizing more than a dozen OVAs and four air sampling stations.

Mr. Stanford investigated and planned the remediation of a former automotive service station under Indiana's VRP. His approach included an aggressive form of in-situ air sparging coupled with vapor recovery and thermal catalytic oxidation of exhaust vapors. Within 90 days, BTEX concentrations were either eliminated or reduced by more than 95 percent in all affected monitoring wells. He subsequently obtained a covenant-not-to-sue, signed by the Governor of the State of Indiana, and provided technical support to counsel resulting in the recovery of more than \$360,000 from the responsible party.

For his LUST facility clients, Mr. Stanford has implemented corrective action and recovered more than \$500,000 in associated costs from the Indiana ELTF.

Publications

"*Determination of the Natural Organic Carbon Fraction of Contaminated Soils*", 2004, presented at the 2004 Midwestern States Risk Symposium, Indianapolis, Indiana.

Co-author "*Field and Numerical Analysis of In-Situ Air Sparging: A Case Study*", 2000, *Journal of Hazardous Materials*, Vol. 72 p. 217-236.

"*Physical and Biological Effects of In-Situ Air Sparging of Groundwater Contaminated with Organic Chemicals*", 1998, Master's Thesis, Department of Earth and Atmospheric Science, Purdue University.

Contributing author: "*In-Place Precipitation Immobilization of Lead at Uncontrolled Hazardous Waste Sites*", 1987, presented at the Tenth Annual

Madison Waste Conference, University of Wisconsin at Madison.

Selected Professional Reports

"*Description of the Hydrogeology, Rochelle Municipal Landfill, Proposed Expansion*", 2002, submitted to the City of Rochelle, Illinois.

"*Groundwater Impact Assessment, Rochelle Municipal Landfill, Proposed Expansion*", 2002, submitted to City of Rochelle, Illinois.

"*Groundwater Impact Assessment, Southern Illinois Regional Landfill, Proposed Expansion*", 2002, submitted to IEPA.

"*Groundwater Impact Assessment, Proposed Atkinson Landfill*", 2002, submitted to and approved by IEPA.

"*Baseline Human Health Risk Assessment*", 1998, (Marcus Parcel), submitted to and approved by IDEM VRP.

"*Human Health Risk Assessment, Burlington Basket Site*", 2005, submitted to EPA Region 7, currently pending review.

"*Supplemental Comprehensive Site Investigation and Remediation Objectives Report, Canadian Pacific Railway, Bensenville West Yard*", 2002, submitted to and approved by IEPA SRP.

"*Remediation Completion Report, Bivona, Inc.*", 2002, submitted to and approved by IDEM VRP.

"*Phase II Investigation Report, Bivona, Inc.*", 2001, submitted to and approved by IDEM VRP.

"*Significant Permit Modification, Corrective Action and CQA Plan, Dixon/GROP Landfill*", 2000, submitted to IEPA and subsequently approved.

WEAVER BOOS CONSULTANTS NORTH CENTRAL, LLC

Environmental Site Assessment User Questionnaire

This questionnaire is based upon the American Society for Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (E 1527-05).

Project Name: Bosch Site Decommissioning Project
Address: 401 N. Bendix Drive/2721 W. Kenwood South Bend, Indiana

Weaver Boos requests that the respondent provide the following information (if available) and sign the last page of the questionnaire which affirms that the respondent has answered all questions to the best of the respondent's actual knowledge and in good faith.

1. Copies of any environmental cleanup liens that are filed or recorded against the Property (40 CFR 312.25). *We are not aware of any environmental liens recorded against the Property.*
2. Activity use limitations that are in place on the Property or have been filed or recorded in a registry (40 CFR 312.26). *For example, engineering controls or institutional controls to prevent or control exposure to environmental impact that are filed in a registry under federal, tribal, state, or local law or recorded with the Property or adjoining properties.*

Terms and Provisions of Memorandum of Lease & Option to Purchase recorded August 22, 2000 as Document #0040368 in the Office of the Recorder of St. Joseph County, Indiana.

Environmental Remediation Agreement, License and Easement recorded September 18, 2000 as Document #0040368 in the Office of the Recorder of St. Joseph County, Indiana.

Restrictions filed with Notes on Plat recorded May 16, 2006 as Instrument #0619744 in the Office of the Recorder of St. Joseph County, Indiana.

3. Any specialized knowledge or experience of the person seeking to qualify for the Landowner Liability Protections (40 CFR Part 312.28). *Do you have any specialized knowledge or experience related to the Property or nearby properties? For example, are you familiar with the current or past operations at the Property or adjoining properties so that you would have specialized knowledge of the chemicals and processes used by these types of businesses?* *No*

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4. Relationship of the purchase price to the fair market value of the Property if it were not contaminated (40 CFR 312.29). Does the purchase price being paid for the Property reflect fair market value of the Property? If there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the Property? **N/A**

5. Commonly known or reasonably ascertainable information about the property (40 CFR 312.30). Are you aware of commonly known or reasonably ascertainable information about the Property or adjoining properties that would help Weaver Boos to identify conditions indicative of releases or threatened releases? For example as a user:
 - a) Do you know the past uses of the Property or adjoining properties? **Only general awareness, not detailed knowledge.**

 - b) Do you know the specific chemicals that are present or once were present at the Property or adjoining properties? **No**

 - c) Do you know of spills or chemical releases that have taken place at the Property or adjoining properties? **No – only what is in previous reports.**

 - d) Do you know of any environmental cleanups that have taken place at the Property or adjoining properties? **Only general awareness, not specifics.**

WEAVER BOOS CONSULTANTS NORTH CENTRAL, LLC

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6. The degree of obviousness of the likely presence of contamination at the Property, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31). *As the user of this Phase I ESA, based on your knowledge and experience related to the Property, are there any obvious indicators that point to the presence or likely presence of contamination?*

Adjacent property owner (who is previous owner of this property) is in the Indiana Voluntary Remediation Program.

The respondent of the questionnaire must complete and sign the following statement.

This questionnaire was completed by:

Name: Ann Kolata

Title: Senior Redevelopment Specialist

Firm: City of South Bend, Department of Community & Economic Development

Address: 227 W. Jefferson Boulevard, Suite 1200 South Bend, Indiana 46601

Phone Number: 574-235-9374

Date: October 27, 2011

The respondent represents that to the best of the respondent's knowledge the above statements and facts are true and correct and to the best of the respondent's actual knowledge, no material facts have been suppressed or misstated.

Print Name (Respondent): Ann E. Kolata

Signature (Respondent): 

Date: October 27, 2011