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14 September 1994

Ms. Jan Pels, HSM-5J Work Assignment Manager U.S. Environmental Protection Agency 77 West Jackson Blvd. Chicago, IL 60604

U.S. EPA Contract No.: 68-W8-0089 Work Assignment No.: 49-5JZZ/ESI Document Control No.: 4500-49-AJPP

Subject: ESI Report for the Area West of Bendix Oil Tank

(IND980904262)

Dear Ms. Pels:

Per your letter of 8 September 1994, attached is the ESI report for the above site. This is a NFRAP report and as such does not require HRS scoring information. Therefore, Tables 2 through 6 submitted previously is not necessary for the NFRAP report.

For your information, WESTON has included the range and average concentration of inorganics in Table 1 to support IDEM's observation regarding contamination levels in site soils. Please attach the PA and CERCLA notification letter previously included in our site report dated 5 October 1993.

The attached report with the inclusion of the PA and CERCLA notification letter should be sufficient for public release. If you have any questions, please call.

Very truly yours,

ROY F. WESTON, INC.

P. Krishnan, Ph.D., P.E. Site Manager

PK:ieh

cc: Mr. H. Atkinson, IDEM

Ms. P. Vogtman, U.S. EPA (letter only)

EXPANDED SITE INSPECTION REPORT AREA WEST OF BENDIX OIL TANK SOUTH BEND, ST. JOSEPH COUNTY, INDIANA IND980904262

SEPTEMBER 1994

This document was prepared in accordance with U.S. EPA Contract No. 68-W8-0089, WESTON Region V Alterantive Remedial Contract Strategy (ARCS).

Work Assignment No.: 049-5JZZ

Document Control No.: 4500-49-AJPP

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EXPANDED SITE INSPECTION REPORT AREA WEST OF BENDIX OIL TANK SOUTH BEND, ST. JOSEPH COUNTY INDIANA IND980904262

Roy F. Weston, Inc. (WESTON®) was tasked by the United States Environmental Protection Agency (U.S. EPA) to conduct a expanded site inspection (ESI) of the Area Waste of Bendix Oil Tank site under Contract Number 68-W8-0089 and work assignment number 49-5JZZ.

The site was initially evaluated in the form of a Preliminary Assessment (PA) that was submitted to the U.S. EPA. The Preliminary Assessment (PA) for the site was prepared by the Indiana State Board of Health (ISBH) on 19 June 1985 (Reference 1 and Attachment 1).

CERCLIS LISTED SITE INVESTIGATION NEEDS

The purpose of assessment of sites listed in CERCLIS data base is to determine whether these sites are candidate for inclusion in the National Priority List (NPL). This determination is made using the Hazard Ranking System (HRS). Any site eligible for placement in NPL must at least have an overall score of 28.50. Additional investigation in the form of Screening Site Investigation (SSI) and/or Expended Site Investigation (ESI) are conducted for those sites whose preliminary HRS Score is greater than 28.50. The site is scored or rescored after SSI and/or ESI to determine its eligibility for placement in NPL.

If the existing information supports the determination that additional investigation is not necessary, the site is designated as requiring no further remedial action (NFRAP). Sites can also be NFRAPed without scoring if the following conditions exist:

• No waste is present at the site.

4500-49-AJPP

- Site at which the only known or suspected releases to the environment are due to petroleum products.
- Site is regulated under RCRA.

SITE LOCATION

The Area West of Bendix Oil Tank site is located in South Bend, St. Joseph County, Indiana (Township 37 North, Range 2 East, Section 4). The Area West of Bendix Oil Tank is bounded by the Chicago South Bend and South Shore Railroad spur to the north, the access road to the Bendix Corporation oil tank to the east, and Linden Avenue to the south. The western boundary of the site corresponds approximately to an imaginary line formed by continuing Kenmore Street north across the site. Figure 1 is a site location map.

SITE DESCRIPTION

The Area West of Bendix Oil Tank is approximately 18 acres in area. The surface topography in the area consists of flat, wooded terrain. A low-lying swampy area of approximately 1 acre is located in the center of the site. Berms are located on the north, south, and east boundaries of the site. Several trenches are located near the eastern berm and the western area of the site near the southern boundary. A small pit is located at the northern boundary of the site and a scrap iron area is located near the eastern berm. A pile of telephone poles are located at the northeast corner of the site and debris piles with a few scattered burned areas are located adjacent to the swamp area to the east. The site is covered with grass and trees and 15-foot high berms are located on both sides of a locked gate at the entrance of the site.

Land use surrounding the site includes an industrial facility of the Aircraft Brake and Strut Division of Bendix Corporation to the north, residential areas and LaSalle Park to the south, a Bendix Corporation oil tank to the east, and a wooded area to the west. The closest residence is approximately 100 feet southwest of the site.

SITE HISTORY

The Area West of Bendix Oil Tank site was an open dump that was formerly used by local industries and citizens for waste disposal. In the 1960s, the approximately 18 acre site was an open field. Woodruff and Sons, Inc. purchased the property in 1966 and until 1968 disposed of demolition debris on-site from the construction of LaSalle Park. LaSalle Park is adjacent to the site on the south. During the period of construction of LaSalle Park, household waste was dumped illegally on-site by area residents. At some time between 1966 and 1968, berms were constructed for security reasons along the access road to the site.

In accordance with Section 103(c) of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), the Bendix Corporation submitted a CERCLA Section 103(c) notification to the U.S. EPA (Attachment 2). According to the 103 (c) notification, types of waste that may have been disposed at the site include solvents, heavy metals, acids, bases, and asbestos.

GEOLOGICAL SETTING

Based on 16 water well records, located within a 2-mile radius of the site, the site is underlain by unconsolidated glacial till deposits of the Atherton Formation which are approximately 200 feet thick. These glacial deposits occur within an extensive bedrock valley which trends in a northeast to southwest direction. The bedrock which underlies this material consists of Mississippian and Devonian aged Ellsworth shale.

The unconsolidated deposits can be divided into three basic units. Unit 1 consists of top soil and sandy loam and extends from the ground surface to approximately 10 to 15 feet below ground surface (bgs). Unit 2 consists of sand and gravel which ranges in texture from a very fine sand to a coarse gravel. This is a valley train glacial outwash of the Atherton Formation. This unit generally extends from the base of Unit 1 to the top of the shale bedrock which occurs at approximately 200 feet bgs. A third stratigraphic unit (Unit 3)

4500-49-AJPP

underlies much of the area; however, this unit varies greatly in depth and thickness. This unit consists of what appears to be a glacial till described as a gravelly clay. From the site and southward, this unit occurs as discontinuous, relatively thin (3 to 25 feet) layers within the sands and gravels of Unit 2. However, approximately 1/4 to 1/2 mile north of the site, this unit becomes much more continuous with a thickness up to 140 feet. In one water well record, this unit becomes the lowermost unit, lying directly on top of the bedrock with a maximum thickness of 137 feet.

The hydrogeologic unit underlying the site consists of the glacial sands and gravels of Unit 2. This unit generally constitutes an unconfined aquifer since the majority of Unit 3 is discontinuous. However, north of the site, Unit 3 becomes more continuous and separates Unit 2 into what appears as distinct units. Even where this separation occurs, the upper and lower portions of Unit 2 are hydraulically connected and are considered the same hydrogeologic unit.

According to the nearby water well records, the water table occurs at approximately 5 feet bgs. In general, the regional direction of groundwater flow near the site is northwest; however, the existence of municipal well fields around the South Bend area have the potential to significantly impact actual groundwater flow patterns. Specifically, the Olive Street Municipal well field, located approximately 1.50 miles southeast of the site, consists of six high capacity wells which can each pump approximately 700 to 800 gallons per minute. Municipal well fields extracting water from the aquifer at this rate can potentially have a radius of influence extending a great distance outward from the well field; thus, creating groundwater flow patterns which may be different from the regional groundwater flow directions.

PREVIOUS INVESTIGATION

A Screening Site Inspection (SSI) of the site was conducted by Ecology & Environment, Inc. (E&E) on 8 May 1989 (Reference 2). During the SSI, E&E collected four surficial soil

4500-49-AJPP

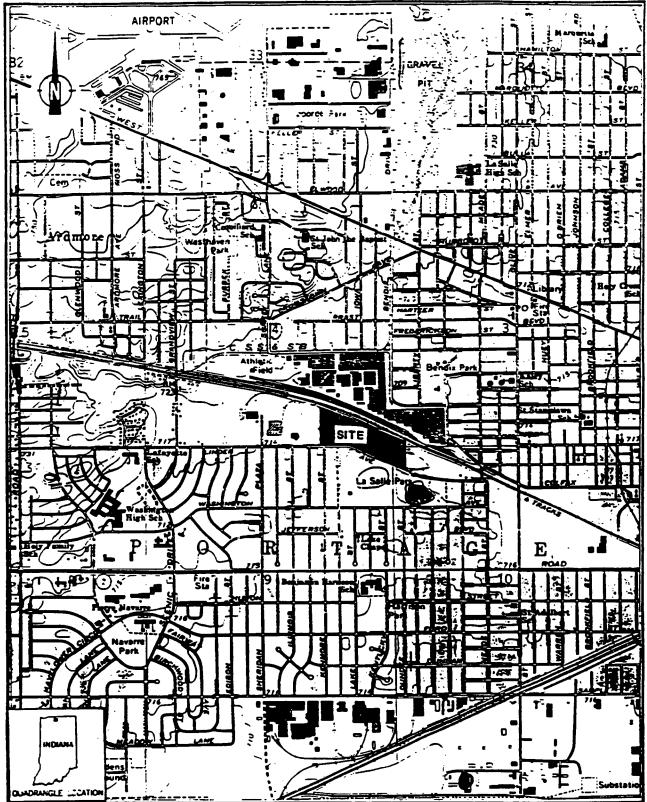
samples and two sediment samples (Figures 2 and 3). The background soil sample was collected from Bendix Park located approximately 1,500 feet northeast of the site boundary. One surficial soil sample was collected, within a pile of old telephone poles, to characterize the pile. Three soil samples were collected to characterize the remaining site soils. Two sediment samples were collected to determine characteristics of the wetland. Analytical results from soil and sediment samples presented in the E&E SSI Report (24 May 1990) indicated the presence of trace concentrations of volatile organic compounds (VOCs) and polyaromatic hydrocarbons (PAHs), heavy metals, and cyanide. The levels of VOCs and PAHs detected; however, were below the contract required detection limits. The majority of metals detected were present at concentrations within the normal range of typical natural soils. The key analytical findings of the SSI sampling is presented in Table 1.

SUMMARY

The sampling conducted at the site during SSI indicated that contaminants detected were principally inorganics and were present at levels typical of natural soils. Based on the analytical results of SSI sampling and site characteristics, no sampling was done at this site.

REFERENCES

- 1. Susanne Buthman, "Preliminary Assessment of Area West of Bendix Oil Tank" Indiana State Board of Health, 19 June 1985.
- 2. "Site Inspection Report for Area West of Bendix Oil Tank" Ecology & Environment, Inc., 8 May 1989.
- 3. "Trace Chemical Element Content of Natural Soils", U.S. EPA Office of Solid Waste & Emergency Response, Hazardous Waste Land Treatment, SW 874, April 1993 (Page 274, Table 6-46).



SOURCE Ecology and Environment, Inc. 1990; BASE MAP: USGS, South Bend West, IN Quadrangle, 7.5 Minute Series, 1969, photorevised 1986.

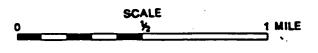


FIGURE 1 SITE LOCATION

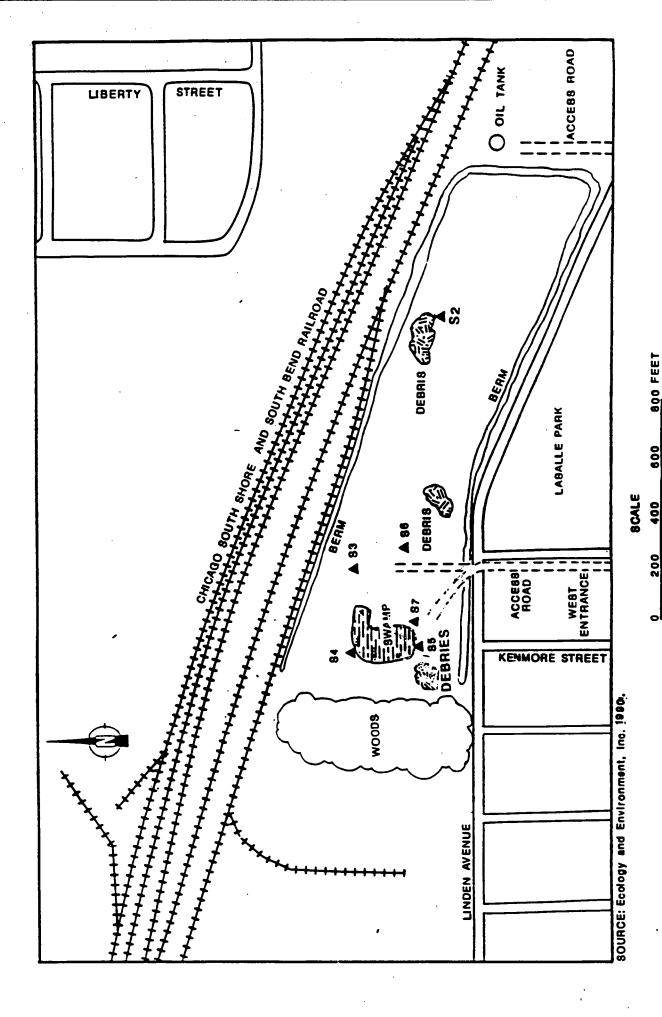
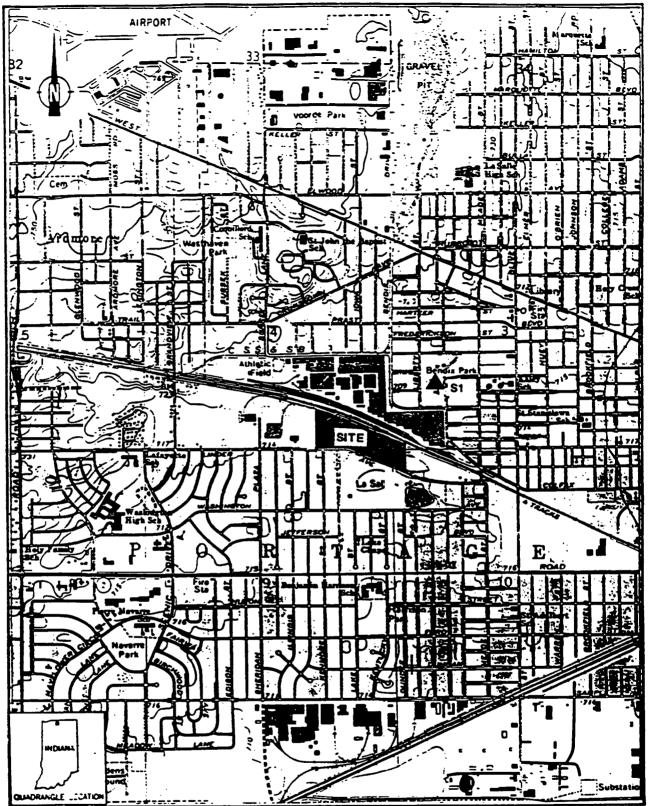


FIGURE 2 ON-8ITE SOIL/SEDIMENT SAMPLING LOCATIONS



SOURCE Ecology and Environment, Inc. 1990; BASE MAP: USGS, South Bend West, IN Quadrangle, 7.5 Minute Series, 1969, photorevised 1986.

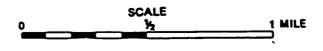


FIGURE 3 OFFSITE SOIL SAMPLING LOCATION

Table 1

Key Analytical Findings of SSI Soil Sampling¹ Area West of Bendix Oil Tank (Concentrations in mg/kg) South Bend, Indiana

Sample No.	S1	S2	S3	S4	SS	9S	S7	Typical Levels in Natural Soils (2)	ls in Natural (2)
Location	(BKGD)	(WP)	(S)	(WL)	(WL)	(S)	(s)	Range	Àvg
Arsenic	2.5	36.2					12.4	1-50	5
Barium							104	100-3,000	430
Cadmium	i		i				4.6	0.01-0.7	0.06
Chromium	5.8	••					211	1-1,000	100
Iron	4,280	14,600	-	•••			14,400	NA	NA
Magnesium	-	5,160	6,670	15,800	7,150	17,400	2,400	600-6,000	5,000
Manganese	44.4		272	206				20-3,000	009
Nickel						8.8	15.4	5-500	4.0
Selenium							2.1	0.1-2	0.3
Zinc	19.7	115	-	-				10-300	50
Cyanide	:					-	3.0	NA	NA

¹Based on SSI sampling conducted at the site by E&E, Inc. ²Reference 3.

Indicates that the compound or analyte was below the sample quantitation limit, less than three times background, or not detected.

Waste Pile
Soil BKDG .

Not Available

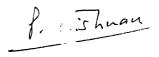
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ATTACHMENT 1 PRELIMINARY ASSESSMENT

ATTACHMENT 2 CERCLA NOTIFICATION





THREE HAWTHORN PARKWAY, SUITE 400 VERNON HILLS, IL 60061-1450 708-918-4000 • FAX: 708-918-4055

5 October 1993

Ms. Jan Pels, HSM-5J Work Assignment Manager U.S. Environmental Protection Agency 77 West Jackson Blvd. Chicago, IL 60604

U.S. EPA Contract No.: 68-W8-0089

Work Assignment No.: 49-5JZZ/ESI

Document Control No.: 4500-49-AHWZ

Re: Site Findings and Recommendations

Area West of Bendix Oil Tank

South Bend, Indiana

CERCLA ID No.: IND980904262

Dear Ms. Pels:

This letter summarizes the background and analytical information available for the Area West of Bendix Oil Tank site. A Site Screening Inspection (SSI) for the site was completed in 1990 (Reference 1). A preliminary Hazard Ranking System (HRS) score was developed using the PRESCORE program (Version 2.0). The current available site information and scoring were utilized as the basis for our recommendation.

SITE LOCATION

The Area West of Bendix Oil Tank site is located in South Bend, Joseph County, Indiana (Township 37 North, Range 2 East, Section 4) (Reference 2). The Area West of Bendix Oil Tank is bounded by the Chicago South Bend and South Shore Railroad spur to the north, the access road to the Bendix Corporation oil tank to the east, and Linden Avenue to the south. The western boundary of the site corresponds approximately to an imaginary line formed by continuing Kenmore Street north across the site. A site location map is included (Figure 1).



5 October 1993

SITE DESCRIPTION

The Area West of Bendix Oil Tank is approximately 18 acres in area. The surface topography in the area consists of flat, wooded terrain. A low-lying swampy area of approximately 1 acre is located in the center of the site. Berms are located on the north, south, and east boundaries of the site. Several trenches are located near the eastern berm and the western area of the site near the southern boundary. A small pit is located at the northern boundary of the site and a scrap iron area is located near the eastern berm. A pile of telephone poles are located at the northeast corner of the site and debris piles with a few scattered burned areas are located adjacent to the swamp area to the east. The site is covered with grass and trees and 15-foot high berms are located on both sides of a locked gate at the entrance of the site (Reference 1).

-2-

Land use surrounding the site includes an industrial facility of the Aircraft Brake and Strut Division of Bendix Corporation to the north, residential areas and LaSalle Park to the south, a Bendix Corporation oil tank to the east, and a wooded area to the west. The closest residence is approximately 100 feet southwest of the site (Reference 1).

SITE HISTORY

The Area West of Bendix Oil Tank site was an open dump that was formerly used by local industries and citizens for waste disposal. In the 1960s, the approximately 18 acre site was an open field. Woodruff and Sons, Inc. purchased the property in 1966 and until 1968 disposed of demolition debris on-site from the construction of LaSalle Park. LaSalle Park is adjacent to the site on the south. During the period of construction of LaSalle Park, household waste was dumped illegally on-site by area residents. At some time between 1966 and 1968, berms were constructed along the access road to the site for security reasons (Reference 1).

In accordance with Section 103(c) of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), the Bendix Corporation submitted a CERCLA Section 103(c) notification to the U.S. EPA (Attachment 1). According to the 103 (c) notification, types of waste that may have been disposed include solvents, heavy metals, acids, bases, and asbestos.

The Preliminary Assessment (PA) for the site was prepared by the Indiana State Board of Health (ISBH) on 19 June 1985 (Attachment 2).

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4500-49-AHWZ



5 October 1993

GEOLOGICAL DESCRIPTION

Based on 16 water well records, located within a 2-mile radius of the site, the site is underlain by unconsolidated glacial till deposits of the Atherton Formation which are approximately 200 feet thick. These glacial deposits occur within an extensive bedrock valley which trends in a northeast to southwest direction. The bedrock which underlies this material consists of Mississippian and Devonian aged Ellsworth shale.

-3-

The unconsolidated deposits can be divided into three basic units. Unit 1 consists of top soil and sandy loam and extends from the ground surface to approximately 10 to 15 feet below ground surface (bgs). Unit 2 consists of sand and gravel which ranges in texture from a very fine sand to a coarse gravel. This is a valley train glacial outwash of the Atherton Formation. This unit generally extends from the base of Unit 1 to the top of the shale bedrock which occurs at approximately 200 feet bgs. A third stratigraphic unit (Unit 3) underlies much of the area; however, this unit varies greatly in depth and thickness. This unit consists of what appears to be a glacial till described as a gravelly clay. From the site and southward, this unit occurs as discontinuous, relatively thin (3 to 25 feet) layers within the sands and gravels of Unit 2. However, approximately 1/4 to 1/2 mile north of the site, this unit becomes much more continuous with a thickness up to 140 feet. In one water well record, this unit becomes the lowermost unit, lying directly on top of the bedrock with a maximum thickness of 137 feet.

The hydrogeologic unit underlying the site consists of the glacial sands and gravels of Unit 2. This unit generally constitutes an unconfined aquifer since the majority of Unit 3 is discontinuous. However, north of the site, Unit 3 becomes more continuous and separates Unit 2 into what appears as distinct units. Even where this separation occurs, the upper and lower portions of Unit 2 are hydraulically connected and are considered the same hydrogeologic unit.

According to the nearby water well records, the water table occurs at approximately 5 feet bgs. In general, the regional direction of groundwater flow near the site is northwest; however, the existence of municipal well fields around the South Bend area have the potential to significantly impact actual groundwater flow patterns. Specifically, the Olive Street Municipal well field, located approximately 1.50 miles southeast of the site, consists of six high capacity wells which can each pump approximately 700 to 800 gallons per minute. Municipal well fields extracting water from the aquifer at this rate can potentially have a radius of influence extending a great distance outward from the well field; thus, creating



5 October 1993

groundwater flow patterns which may be different from the regional groundwater flow directions.

SSI INVESTIGATION

A Screening Site Inspection (SSI) of the site was conducted by Ecology & Environment, Inc. (E&E) on 8 May 1989. During the SSI, E&E collected four surficial soil samples (S2, S3, S6, and S7), two sediment samples (S4 and S5), as shown in Figure 2. The background sample (S1) was collected from Bendix Park located approximately 1,500 feet northeast of the site boundary (Figure 3). Surficial soil sample S2 was collected within a pile of old telephone piles to characterize the pile at a depth of approximately 2 feet. Soil samples S3, S6, and S7 were collected to characterize the site soil. Sediment samples S4 and S5 were collected to determine characteristics of the wetland. Analytical results from soil and sediment samples presented in the SSI Report (24 May 1990) indicated the presence of trace concentrations of volatile organic compounds (VOCs) and polyaromatic hydrocarbons (PAHs), heavy metals, and cyanide. The trace concentrations of VOCs and PAHs; however, were below contract required detection limits. Heavy metals and cyanide were present at concentrations greater than three times the background concentration. The principal analytical findings of the SSI sampling is presented in Table 1.

PRESCORING THE SITE

Based on the SSI report, there are two sources identified at the site, an area of contaminated soil and a telephone pole waste pile.

<u>Contaminated Soils</u>: Analytical results from soil samples S3, S6, and S7 indicated similar contaminants. Therefore, the area between these sampling locations was used to determine the surface area for the contaminated soil area. The surface area for contaminated soil was determined using the scale provided on the soil/sediment sampling locations map in the E&E SSI report.

Waste Pile: Analytical results from soil sample S2 collected within the waste pile shows the presence of arsenic at concentrations greater than three times the background concentration. The arsenic detected in the sample collected within the waste pile is attributable to the waste pile because:

• The highest concentrations of arsenic was detected in the sample collected from the waste pile.

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4500-49-AHWZ



5 October 1993

• The waste pile contains telephone poles which are normally treated using arsenic as one of the preserving compound.

The surface area for waste pile was determined using the soil/sediment sampling locations map in the E&E SSI report. Based on the scale map, the waste pile is approximately 14,400 square feet (180 feet X 80 feet) in area. However, conservatively only 10 percent (1,440 square feet) of the calculated surface area was used for scoring. If the waste pile containing telephone poles was removed after the SSI, the source could still be considered as a waste pile in accordance with Section 2.3, page 12 of the HRS Guidance Manual. The worse case cutoff date for this site would be 8 may 1989 when the SSI was conducted and the soil sampling occurred.

-5-

Based on all available information, groundwater is a significant migration pathway. The groundwater pathway will give a score of 87.06, using the following information:

- Presence of nine municipal wells fields, 3 community water supply wells, and people using private wells within a 4-mile Target Distance Limit (TDL).
- Potential release of contamination to the groundwater exists at this site due to the nature of the aquifer material.

The population using groundwater and those living within 4 miles of the site are presented in Tables 2 and 3.

The only surface water body that can be impacted by an overland flow from the site is the wetland located on-site. The wetland is approximately 2.5 acres in size (Reference 2). The analytical results of sediments cannot be used for scoring purpose since no background sediment sample was collected during the SSI.

Based on all available information, WESTON was able to score only for groundwater, soil exposure, and air pathways. The scores for the soil and air exposure pathways are insignificant. The score for the groundwater pathway was 87.06, soil exposure pathway 0.02, and for the air pathway 0.83. The resulting overall site score based on the information from the SSI is 43.53. Table 4 is a HRS prescore summary sheet. The HRS diskette is also provided.



5 October 1993

RECOMMENDATIONS

Based on the available information from the SSI, and the groundwater pathway score of 87.06, the overall site score significantly exceeds 28.50 necessary for placement of a site on NPL. However, if the surface area of the waste pile shown on the soil/sediment location map was much smaller (i.e. less than 1,300 square feet), the overall site score will be 24.19 (Table 5). For this case, monitoring wells need to be installed to document observed release to groundwater. With the installation of monitoring well and observed release to groundwater with a Level I contamination (e.g. Arsenic 5 ug/L), the site score will be 50.00 (Table 6).

-6-

WESTON requests U.S. EPA to evaluate this information presented in this memorandum as to the need for further investigation at the site. If the waste area is much smaller or the likelihood that these piles do not exist now, then it is necessary to conduct an ESI involving installation and sampling of monitoring wells.

Should you have any questions or require additional information, please call.

Very truly yours,

ROY F. WESTON, INC.

Steven R. Books

Steven R. Bosko Senior Project Scientist

P. Krishnan, Ph.D., P.E.

Site Manager

SRB/PK/ieh

-AH

REFERENCES

- 1. "Site Inspection Report for Area West of Bendix Oil Tank, South Bend, Indiana", Ecology & Environment, Inc., 24 May 1990
- 2. "National Wetlands Inventory" U.S. Department of Interior, Fish and Wildlife Service, Prepared by National Wetlands Inventory 1987 (South Bend West, Indiana)
- 3. "Screening Site Inspection Preliminary and Projected Hazard Ranking System Revised Score Worksheets", Population Calculation, Ecology & Environment, Inc., February 1989.
- 4. 1990 U.S. Census, "Land Area and Population Density: 1990"
- 5. Telephone Conversation, Bill Dillon, South Bend Water Works with C.W. Krumm of Roy F. Weston, Inc., 9 December 1991
- 6. Telephone Conversation, Bob Mitchell and Richard Kenney, Sisters of Holy Cross Shared Services with S.R. Bosko of Roy F. Weston, Inc., 4 October 1993
- 7. Telephone Conversation, Tom Kucharski, Hollywood Mobile Park with S.R. Bosko of Roy F. Weston, Inc., 4 October 1993
- 8. Letter from Ed Keve, Assistant Director of Utilities, University of Notre Dame, to S.R. Bosko, Roy F. Weston, Inc., 4 October 1993



SOURCE Ecology and Environment, Inc. 1990; BASE MAP: USGS, South Bend West, IN Quadrangle, 7.5 Minute Series, 1969, photorevised 1986.



FIGURE 1 SITE LOCATION

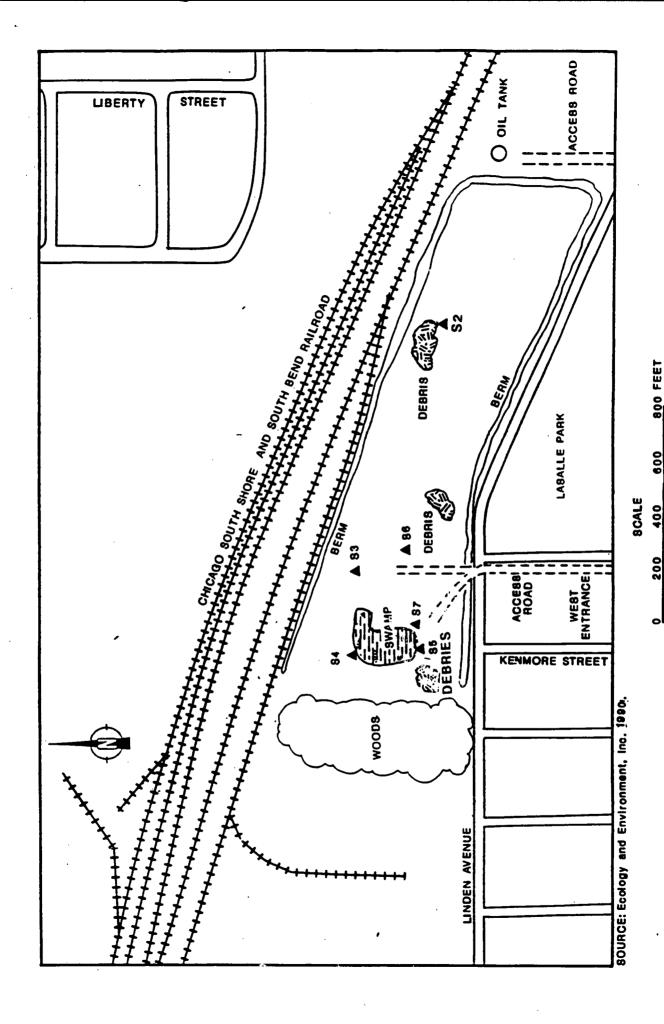
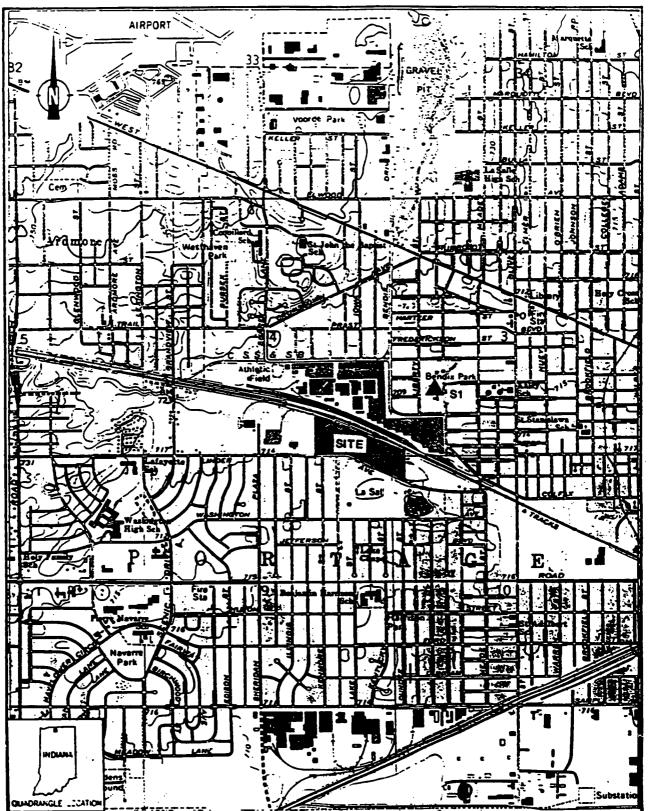


FIGURE 2 ON-8ITE SOIL/SEDIMENT SAMPLING LOCATIONS



SOURCE Ecology and Environment, Inc. 1990; BASE MAP: USGS, South Bend West, IN Quadrangle, 7.5 Minute Series, 1969, photorevised 1986.

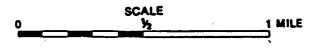


FIGURE 3 OFFSITE SOIL SAMPLING LOCATION

TABLE 1

KEY ANALYTICAL FINDINGS OF SSI SOIL SAMPLING¹ AREA WEST OF BENDIX OIL TANK SOUTH BEND, INDIANA

(Concentrations in mg/kg)

Sample No. Location	S1 BKGD	S2 WP	S3 S	S4 WL	S5 WL	S6 S	\$7 \$
Arsenic	2.5	36.2					12.4
Barium					***		104
Cadmium							4.6
Chromium	5.8	•••					211
Iron	4,280	14,600					14,400
Magnesium		5,160	6,670	15,800	7,150	17,400	2,400
Manganese	44.4		272	206			
Nickel		*	•••			8.8	15.4
Selenium				•••	***		2.1
Zinc	19.7	115					
Cyanide							3.0

¹Based on SSI sampling conducted at the site by E&E, Inc.

--- Indicates that the compound or analyte was below the sample quantitation limit, less than three times background, or not detected.

BKGD - Background

WP - Waste Pile

S - Soil

WL - Wet Land

TABLE 2

POPULATION USING GROUNDWATER WITHIN 4-MILES AREA WEST OF BENDIX OIL TANK SOUTH BEND, INDIANA

Distance (Miles)	Private Wells	South Bend Municipal System	Community Well Holy Cross/Notre Dame	Total
0 - 1/4	0		0	0
1/4 - 1/2	0		0	0
1/2 - 1	0		0	0
1 - 2	254	29,480	0	29,734
2 - 3	762	26,532	2,273	29,567
3 - 4	2,159	29,480	14,000	43,480

Source 3, 4, 5, 6, 7, 8

TABLE 3

POPULATION WITHIN 4 MILES AREA WEST OF BENDIX OIL TANK SOUTH BEND, INDIANA

Distance (Miles)	Population
0 - 1/4	1,266
1/4 - 1/2	3,165
1/2 - 1	10,657
1 - 2	31,169
2 - 3	26,929
3 - 4	23,261

Table 4
PRE score
Summary Screen

Area West of Bendix's Oil Tank IND980904262

File: BENDIXES.HRS

Site Score 43.53

		ac. Dridokrollaro		30.0H BIOS BIO
		PREscore Version 2.0		
	Likelihood	Waste		Pathway
Pathway	of Release	Characrteristics	Targets	Score
Groundwater	430	18	9.28E+02	87.06
Drinking Water	250	32	0.00E+00	
Food Chain	250	180	0.00E+00	-
Environment	250	100	0.00E+00	0.00
Surface Water		Overland flow		0.00
Resident	550	18	0.00E+00	00 0
Nearby Soil Expense	က	18	2.20E+01	0.02
Soil Exposure				0.02
Air	220	Q	1.56E+02	0.83

Note: The prescore is based on available information.

Table 5
PRE score
Summary Screen

Area West of Bendix's Oil Tank IND980904262

File: BENDIXE1.HRS

Site Score 24.19

		PREscore Version 2.0		
Pathway	Likelihood of Release	Waste Characrteristics	Targets	Pathway Score
Groundwater	430	10	9.28E+02	48.37
Drinking Water Food Chain Environment Surface Water	250 250 250	18 100 56 Overland flow	0.00E+00 0.00E+00 0.00E+00	0.00 0.00 0.00 0.00
Resident Nearby Soil Exposure	550	8 1	0.00E+00 2.20E+01	0.00
Air	220	1	1.56E+02	0.42
Motor The proposed in board	Called Showing the Contract Land			

Note: The prescore is based on waste pile surface area of 1275 sq. ft. and contaminated soil source.

Table 6
PRE score
Summary Screen

Area West of Bendix's Oil Tank IND980904262

File: BENDIXE2.HRS

Site Score 50.00

702.0000001		PREscore Version 2.0		
Pathway	Likelihood of Release	Waste Characrteristics	Targets	Pathway Score
Groundwater	250	18	9.28E+02	100.00
Drinking Water Food Chain Environment Surface Water	250 250 250	18 100 56 Overland flow	0.00E+00 0.00E+00 0.00E+00	0.00
Resident Nearby Soil Exposure	550	81	0.00E+00 2.20E+01	0.00
Air	520	-	1.56E+02	0.42

Note: The prescore is based on the contaminated soil source and observed release to groundwater.

ATTACHMENT 1 CERCLA SECTION 103(c) NOTIFICATION

8509-05

SEPA Notification of Hazardous Waste Site

United States
Environmental Protection
Agency
Washington DC 20460

	This initial notification information required by Section 103(c) of the Chensive Environmental Response, sation, and Liability Act of 1980 a be mailed by June 9, 1981.	Compen-	Please type or print is additional space, use paper, Indicate the let which applies.	separate sheets of				Site 5
Ā	Person Required to Notify: Enter the name and address of the	e person		DIX CORPORAT				
	or organization required to notify.	-	Street 401 Ber	ndix Drive (P	.0. Box 40	01)		
	•		Cm South I	Bend	State	IN	Zio Code	46620
<u> </u>	Site Location:		Name of Site	ea West of Be	endix Oil :	Cank"		
	Enter the common name (if knows	n) and	Name or Site	·				•
	actual location of the site.		Street Linder	Avenue		·-·· - · · -		
	•		cm South Bend	County St.	Joseph Sime	IN	Zip Code	46619
\overline{c}	Person to Contact:		Name (Last, First and Title)	Budzin, Ger	ald J M	anager	of Env	ironmenta
	Enter the name, title (if applicable), and						Contr
	business telephone number of the to contact regarding information submitted on this form.	e person	Phone (219)	237-5993	<u> </u>			·
D	Dates of Waste Handling:	·	Interm	ittently 1940	to 1970			
	Enter the years that you estimate treatment, storage, or disposal be ended at the site.	From (Year)	To (Year)	•••••				
 E	Waste Type: Choose the optio	n you pr	efer to complete					
_	Option I: Select general waste typou do not know the general waste encouraged to describe the site in	pes and so	ource categories. If	Option 2: This Resource Cons regulations (40	POSTION AND H	ecovery	ersons far Act (RCRA	niliar with th) Section 30
General Type of Waste: Place an X in the appropriate boxes. The categories listed overlap. Check each applicable category. May have included:		Source of Place an boxes.	of Waste: X in the appropriate	Specific Type EPA has assign listed in the re appropriate fou the list of haza contacting the located.	ned a four-digit gulations unde ur-digit number urdous wastas	r Section r in the b and code	n 3001 of poxes provi es can be o	ided. A copy obtained by
	1. 😡 Organics	1. O M	ining	1002100.				
	2. 10 Inorganics		onstruction		7			
	3. & Solvents	3. 🗘 Te] -	
	4. Pesticides	4. 🗆 Fe					 	
	5. 🖬 Heavy metals		per/Printing		_		┥ ├─	
	6. 😡 Acids		ather Tanning		┩ ├──			
	7. 😡 Bases		on/Steel Foundry				┥ ├─	
	8. C PCBs		nemical, General		→		-	
	9. Mixed Municipal Waste		ating/Polishing		-	<u> </u>		
	10. 🗆 Unknown		ilitary/Ammunition		┥		┥ ├─	
	11. 🖼 Other (Specify)		ectrical Conductors					

Form Approved OMB No. 2000-0138 Manufacturing Facility SIC Code 3714, 3722 &

13. ☐ Utility Companies
14. ☐ Sanitary/Refuse
15. ☐ Photofinish
16. ☐ Lab/Hospital
17. ☐ Unknown
18. ☑ Other (Specify)
Automotive/Aerospace

3728

COUNTY-CITY BUILDING - STH FLOOR

PHONE (219) 284-9750 SOUTH BEND. INDIANA 46601

JAMES E. BOWES, M.D., M.P.H. HEALTH OFFICER

March 28, 1984

Michiana Industrial Park, Inc. Post Office Box 450 Michigan City, Indiana 46360

Dear Property Owner:

Subject: Property Described as 4.544 Acres in

Section 10-37-2E (Linden Road), St. Joseph County, Indiana

In 1980 Congress passed the Comprehensive Environmental Response, Compensation, and Liability Act (the Act), Section 103(c) of which requires owners or operators of hazardous waste facilities, as defined in the Act, or transporters of hazardous substances to such facilities, to notify the Environmental Protection Agency (EPA) of the existence of facilities and the types of hazardous substances that may have been treated, stored or disposed of at the facilities.

The Bendix Corporation in South Bend, Indiana ("Bendix") has advised this Office that on the basis of information recently discovered by Bendix, at some time during the forty (40) years ending in approximately 1970, you or the former owners of the property you now own authorized Bendix, as well as other companies or individuals, to dispose of certain waste materials on or near your property.

Bendix is required under the Act to notify the EPA of the fact that your property was possibly utilized as a disposal site for hazardous substances as defined by the Act even though the disposals were not unlawful when made and were made with the specific permission of the property owner at the time. Since Bendix is notifying the EPA, Bendix and this Office feel that you should be advised that the notification is being made.

This Office will be the responsible County Office regarding site identification and the need for assessment of the present conditions at each site. Bendix has employed a nationally known Environmental Consultant, ERM-North Central, Inc. of Palatine, Illinois to assist this Office. Please be aware that both this Office and the Consultant believe at this time that there is no concern for public safety, especially in view of the fact that the area in which your property is located is on city-supplied water.

We ask you to notify this Office if you know of any private water wells that exist on or near your property and the names of any company or person other than Bendix who may have disposed of wastes on or near your property.

If you have any questions regarding this notice, please call this Office at your convenience. Our telephone number is 284-9721.

Very truly yours,

Paul E. Trost

Pallusian Control Officer

_	Waste Quantity:	Facility Type	Total Facility Waste Amount
	Place an X in the appropriate boxes to	1. O Piles	cubic feet unknown
	indicate the facility types found at the site	Z. Li Land Treatment	gallons unknown
	In the "total facility waste amount" space give the estimated combined quantity		
	(volume) of hazardous wastes at the site using cubic feet or gallons.	5. D Impoundment	Total Facility Area
	In the "total facility area" space, give the	6. D Underground Injection	squere feet unknown
	estimated area size which the facilities	7. Drums, Above Ground	See Item I
	occupy using square feet or acres.	8. Drums, Below Ground	
		9. Other (Specify)	
	Known, Suspected or Likely Release		
	Place an X in the appropriate boxes to indi or likely releases of wastes to the environr	reate any known, suspected, Unknown 📋	Known Suspected Likely Non
	Note: Items Hand I are optional. Complete hazardous waste sites. Although complete	ing these items will assist EPA and State and lo ing the items is not required, you are encourage	scal governments in locating and assessing to do so.
1	Sketch Map of Site Location: (Option	nnal)	
•	Sketch a map showing streets, highways, routes or other prominent landmarks near the site. Place an X on the map to indicate the site location. Draw an arrow showing	**	BENDLY SOUTH BEND CONFLEX
	the direction north. You may substitute a publishing map showing the site location.		A CONTRACTOR OF THE CONTRACTOR
	publishing map showing the site teether.	The state of the s	R Tracke BEND CO.
		*	* Cacka BEND
		200,	COMP.
		901	X X VE
			\' * *
			X X
			XX
		7002	
	•		1 1 1 / 1/2
	•		BE. DIL
	Description of Site: (Optional)		LINDEN
	Describe the history and present		DEN Z
	conditions of the site. Give directions to the site and describe any nearby wells.		
	springs, lakes, or housing. Include such		
	information as how waste was disposed and where the waste came from Provide	·	
	any other information or comments which may help describe the site conditions		
	wild well describe the site constitutions		
	. Site at some point within a	in area of	- · -
	approximately 18 acres.		•
	-		
	. I private (corporate) owner	•	
	. Site area served by City wa	ter system.	
	. Dite area served by they wa	ice by becar	
			· <u></u>
_	Cinnatura and Victor		•
_	Signature and Title: The person or authorized representative	Name THE BENDIX CORPORATI	исъ
((such as plant managers, superintendents,		D Owner, Present
	trustees or attorneys) of persons required to notify must sign the form and provide a	Sweet 401 Bendix Drive (P.O. Bo	ox 4001) D Owner, Past
•	mailing address (if different than address in item A). For other persons providing		C Operator Present
•	notification, the signature is optional.	Cm South Bend Sine IN 2	C Operator, Past
	Check the boxes which best describe the relationship to the site of the person	Kexaidy Buch	March 28, 1984
•	required to notify. If you are not required	Separation Gerald J. Burdzin, O D Manager of Environmental C	
•	to notify check "Other".	Hanager of Environmental C	,011-1-01

Side Two

Notification of Hazardous Waste Site

ATTACHMENT 2 PRELIMINARY ASSESSMENT

ERRIS EXECUTIVE SUMMARY

_		WINDSHIELD SURVEY	YES X NO
lang Sequence #			
EPA ID# <u>IND980904262</u> Original Company Name	. Amon West of Rendi	x Oil Tank	
original Company name	ATES WEST OF SOME		
Revised Company Name:			
Aline Names:			
Alles nemes.			
		•	
Original X Addre	ess: Linden Ave.		
Corrected	South Beng, Im	40017	
	St. Joseph	County	
		Treatment, Storage, Di	sposal (TSD)
Landfill	_ Generator	Treatment, Storage, D.	oposee (see,
Landfill Transporter	I Other: Open dum	p	
PRIORITY ASSESSMENT:	X HIGHMEDIUM	LOWNO FURTHE	R ACTION (NONE)
CLASS:		TTT_REM/FIT LEAD	IV OTHER:
I-STATE LEAD	II-REM/FIT LEAD	III-REM/FIT LEAD Limited On-site	
		State Involvement	
	FIT	nessessessessessessessessessessessessess	:===========
Site was an old dump is near a city park Corporation notified asbestos, solvents as	PASIFollow, unfenced and used to (LaSalle Park) in the on the site for their and heavy metals. Site	State Comments Regarding of SI RPS HRS of local industries and city limits of South In wastestreams which we has 3 city wellfields and conditions. Water table shallow wells near significant to the shallow well as the shallow w	citizens. Site Bend. Bendix ere primarily s within a is very shallow
	STATE IN	OLVENENT	
_C Preliminary Asse _R Respon	essments <u>R</u> Site In sible Party Search	spection R Follow-up R Hazard Ranking Syste	Site Inspection em (HRS)
* COMPLETE DOCUMENTS			
	But hman	Phone: (317) 243-5034	Date: 6/19/85
Prepared by: Susanne			
Activity Time: 27	Logis		••

SEPA

POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT PART 1 - SITE INFORMATION AND ASSESSMENT

L EDENTIFICATION

01 STATE 02 SITE NUMBER

IND 980904262

PARITISITE	INFUNMA	IION A	ID ASSESSE		
II. SITE NAME AND LOCATION					
01 SITE NAME (Legal common or description name of are.		02 STREE	T ROUTE NO OF	R SPECIFIC LOCATION IDENTIFIER	
Area West of Bendix Oil Tank			inden Av		
03 CTY			05 25F CODE		07 COUNTY 38 CONG CODE DIST
South Bend		IN	46619	St. Joseph	141 003
09 COORDINATES LATITUDE LONGITUDE 41° 41' 05 0" N 86° 17' 40	0.0" W	S	outh Ben	d West Quad	
10 DIRECTIONS TO SITE (Starting from neares) public road:					
Take US 31 north to South Bend. Ta Street. Turn left, go 6 blocks to RR tracks: site is about 200 feet d	Linden	. Tu	rn right	and go 1 mile;	
01 OWNER (Fanom)		02 STREE	Acres many		
Michiana Industrial Park, Inc.			. Box 450	2125 6 110	12
03 CITY		04 STATE	05 DF COOE	06 TELEPHONE NUMBER	Mr. Roy Woods
Michigan City		IN	46360	(813) 756–1871	Mr. W. Yentes
07 OPERATOR (If shown one different from name)	1	OB STREET	"Business many "	DE-COSTRUS ²	
Bendix Corporation			Bendix I		·
South Bend		IN IN	∙∙ æ ∞∞€ 46620	12 TELEPHONE NUMBER (219, 237-5993	Mr. Budzin
13 TYPE OF OWNERSHIP Check are			- 0 0047	E 30.00000 7.5 A	13.11010.4
E A PRIVATE B FEDERAL	icy name:		. I C STATI		UNICIPAL
F OTHER			I G UNKA	IOWN	
14 OWNER OPERATOR NOTIFICATION ON FILE Crees of that apply				3 .	10 0/
T A RCRA 3001 DATE RECEIVED WONTH DAY YEAR	CONTROLLE	D WASTE	STE CECU IO	DATE RECEIVED	DAT VEAF I C NONE
IV. CHARACTERIZATION OF POTENTIAL HAZARD					
01 ON SITE INSPECTION BY . Crocce of that apper		CONTRAC	70° I	C STATE D OTHER	CONTRACTOR
TYES DATE TO THE TENTON TEMP TO E LOCAL HE	ALTH OFFIC	ia. I	F CTHER _		
CONTRACTOR	NAME(S) _			(Seech	
C2 SITE STATUS (Crect one 03 YEAR	RS OF OPERA	⁷ \$2,0	1.060		
TA ACTIVE TENACTIVE TO UNKNOWN		1940	1960		N
04 DESCRIPTION OF SUBSTANCES POSSIBL + PRESENT KNOWN; OR ALLEG		<u> </u>		· e a -	
organics (toxic, persistent) bases (corrosive, reactive)					
inorganics (toxic, persistent) heavy metals (persistent, toxic)					
solvents (toxic, flammable, ignitable)	.e)		asbesto	os (toxic)	
acids (corrosive, reactive)	ATION				
surface waters (population/environme					i
groundwaters (population/environment					
direct contact (population/environme					
V. PRIORITY ASSESSMENT					
EA HIGH I B MEDIUM I C L			I D NONE	erdous Condinans and incidents Mer action resided: Demonstr Dursen' discour	Men, som
VI. INFORMATION AVAILABLE FROM					
OI CONTACT OZ OF IA	gent's Organizat	•		••	03 TELEPHONE NUMBER
,	liana S		Board of		(317) 243–5132
04 PERSON RESPONSIBLE FOR ASSESSMENT 05 AGEN	VCY	ىمتەر يە	- CN	07 TELEPHONE NUMBER	08 DATE 6 10 85
Susanne Buthman ISB	SH	LPC		13171 243-5034	6 19 85

\$EPA

POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT PART 2 - WASTE INFORMATION

	IFICATION
OI STATE	980904262

II. WASTE ST	ATES, QUANTITIES, AN	D CHARACTER	STICS				
DI PHYSICAL STATES (Choice of mai apply O2 WASTE QUANTITY AT SITE O3 WASTE CHARACTERISTICS (Choice of mai apply							
must be a		ndependen:	A TORK X SOUDEL X BEOGROSIVE X B CORROSIVE X G FLAMMABLE X K REACTIVE C RADIOACTIVE X G FLAMMABLE X K REACTIVE D BERGISTENT W M SENITARLE L WCOMPATIBLE				
		IIDKDOWD			MABLE X K REACT!		
D OTHER	(Spec#)	NO OF DRUMS .					
III. WASTE T	YDE						
CATEGORY	SUBSTANCE N	AME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS		
SLU	SLUDGE		unknown	unknown	Waste streams from Bendix show		
OLW	OILY WASTE		unknown	unknown	many chemicals, especially		
SOL	SOLVENTS		unknown	unknown	heavy metals, in the wastes		
PSC	PESTICIDES				disposed of (see attached sheet		
OCC	OTHER ORGANIC CHEMICALS		unknown	unknown	Amounts are unknown as is the		
1000	INORGANIC CHEMICALS		unknown	unknown	physical state of wastes		
ACC	ACIDS		unknown	unknown	at the time of disposal.		
BAS	BASES		unknown	unknown	Major components are listed		
MES	HEAVY METALS		unknown	unknown	below.		
	OUS SUBSTANCES Ser 4	poencia do most preguent	CREO CAS NUMBER				I es arragues of
O1 CATEGORY	02 SUBSTANCE N		03 CAS NUMBER	C4 STORAGE DISF	OSAL METHOD	05 CONCENTRATION	DE MEASURE OF CONCENTRATION
MES	Chromium (+6)		7440-47-3				
MES	Cadmium		7440-43-9				
IOC	Asbestos		1332-21-4				
ACD	Sulfuric acid		7664-93-9				
OCC	Napthalene		91-20-3				
SOL	Methyl Isobut	vl Ketone	108-10-1				ļl
SOL	Ethanol		999			<u> </u>	
SOL	4,4-Methylene bis (2-Chloroazinlene) 101-14-4					L	
MES	Lead		7439-92-1				
MES	Selenium		7782-49-2	L		ļ	
MES	Zinc		7440-66-6				
IOC	Barium Chloride		10361-37-	2			<u> </u>
MES	Nickel		7440-02-0				
OCC	Phenols		999				
MES	Barium		999				
MES	Arsenic		7440-38-2			<u>}</u>	
	CKS see Appending CAS NUMB	•••				······································	
CATEGORY			CI CAS NUMBER	CATE GOTE .	OFFEEDS OF NAME OF CAS NUMBE		CZ CAS NUMBER
FDS				FOS			
FDS				£28			
FDS				FDS			
FCS				FDS			
VI. SOURCES	OF INFORMATION	Participation of		180 0-1			
Indiana Paul Ti Mr. Bud	s State Board of rostSt. Josep dzinBendix Co groundwater gro	of Health oh County orp.	files—Bend	ix Corp.:	RCRA, ERRIS	•	

≎EPA

POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT

L EDENTIFICATION

01 STATE 02 SITE NUMBER

IND 980904262

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

FARTS BEGONIF HOW OF HALLHOUSE CONDITIONS AND INCIDENTS
E. HAZARDOUS CONDITIONS AND INCIDENTS
01 % A. GROUNDWATER CONTAMINATION 30 OO
Area geology is glaciofluvial. Very permeable soils throughout the county. Shallow
wells and a high water table.make for a high potential for groundwater contamination
3 wellfields within 3 mile radius.
01 T B SURFACE WATER CONTAMINATION >10,000 02 TOBSERVED (DATE) TO POTENTIAL TALLEGED 04 NARRATIVE DESCRIPTION
Site is 200 feet from LaSalle Park lake (city park) and 1 3/4 mile from the
St. Joseph River. Unlikely that surface run-off would reach the river but may be
affecting LaSalle Park lake.
01 & C CONTAMINATION OF AIR 03 POPULATION POTENTIALLY AFFECTED >10,000 04 NARRATIVE DESCRIPTION
Asbestos buried could surface and cause airborne contamination.
\cdot
01 I D FIRE EXPLOSIVE CONDITIONS 02 I OBSERVED (DATE) POTENTIAL I ALLEGED
C3 POPULATION POTENTIALLY AFFECTED 04 NARRATIVE DESCRIPTION
unknown
01 X E DIRECT CONTACT >10,000 02 OBSERVED :D4"E X POTENTIAL ALLEGED 04 NARRATIVE DESCRIPTION
Site is unfenced and was while it was used as an open dump. Site was not closed
properly and liquids and asbestos from Bendix was probably put there along with
waste streams from other industries & private citizens. Site 100 feet from city park
01 % F CONTAMINATION OF SOL 18 02 TOBSERVED (DATE
Probable contamination of soil on site due to nature of the site. Bendix notified
on their waste streams for the site. Asbestos heavy metals and solvents are very
likely according to Bendix Corp. Mgr. of Envir. Controls.
01 % G DRINKING WATER CONTAMINATION 02 OBSERVED (DATE) & POTENTIAL ALLEGED 03 POPULATION POTENTIALLY AFFECTED >10,000 04 NARRATIVE DESCRIPTION
Site area served by city water system but Olive Street wellfield is within 1 1/4 mile of site. Possible contamination due to geology in area. Water table is very shallow
of site. rossible contamination due to georogy in area. water cause is very succession.
On CONTRACT DE CONTRACTOR DE C
01 _ H WORKER EXPOSURE INJURY 02 OBSERVED (DATE) POTENTIAL ALLEGED 03 WORKERS POTENTIALLY AFFECTED 04 NARRATIVE DESCRIPTION
unknown
D1 X : POPULATION EXPOSURE NURY NO DOD D2 - OBSERVED (DATE)
A, W., At Application Adv. Asia
03 POPULATION POTENTIALLY AFFECTED >10,000 02 - OBSERVED (DATE) & POTENTIALALLEGED O4 NARRATIVE DESCRIPTION
Site is within city limits, just south of the Bendix main plant. A city park is
Site is within city limits, just south of the Bendix main plant. A city park is almost adjacent to the site. Potential for population exposure due to migrating
Site is within city limits, just south of the Bendix main plant. A city park is

\$EPA

POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT

L IDENTIFICATION

OT STATE OF STE NAMES

IND 980904262

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

II. HAZARDOUS CONDITIONS AND INCIDENTS							
01 K J DAMAGE TO PLOPA							
ON NARRATIVE DESCRIPTION High potential for damage to flora due to probable heavy metals, solvents and							
other waste streams placed in site.							
01 28 K. DAMAGE TO FAUNA 02 - OBSERVED (DATE) E POTENTIAL - ALLEGED							
ON NARRATIVE DESCRIPTION (MARRATIVE DESCRIPTI							
Potential for contamination of local allegates and lake. Site is unfenced and never properly closed.							
01 R L. CONTAMINATION OF FOOD CHAIN 02 - OBSERVED (DATE							
O4 NARRATIVE DESCRIPTION Bioaccumulation of heavy metals can occur through flora and fauna to humans.							
D2 = OBSERVED (DATE) E POTENTIAL = ALLEGED							
Sales and statement source source of the Sales and Sales and statement of the Sales and Sales an							
OS POPULATION POTENTIALLY AFFECTED							
01 2E N DAMAGE TO OFFSITE PROPERTY 02 TO OBSERVED (DATE) E POTENTIAL TALLEGED							
Possible migration of chemicals and blowing asbestos from site.							
· 6. 655566.							
POTENTIAL ALLEGED							
01 TO CONTAMINATION OF SEWERS STORM DRAINS, WWTPs 02 TOBSERVED (DATE) TOTENTIALALLEGED 04 NARRATIVE DESCRIPTION							
unknown							
02 - OBSERVED (DATE) & POTENTIALA_EGED							
01 % P ILLEGAL UNAUTHORIZED DUMPING UZ _ OBSERVED IDATE							
Very probable due to the nature of the site. See Item E.							
05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS							
BI. TOTAL POPULATION POTENTIALLY AFFECTED:>10,000							
It is probable that other industries used this site for disposal of wastes.							
It is probable that other industries used this state in							
V. SOURCES OF INFORMATION : Ne screeks represents a g. sales feet surrigin provision reports							
Indiana State Board of Health filesCERCLA, ERRIS; Bendix, RCRA.							
Paul Trost-St. Joseph County Health Ufficer							
Mr. BudzinBendix Corp., South Bend							