Date: Griffin Wellpoint Corp. Aug 19, 91

This chart provides guidelines to assist you in hypothesizing the presence of a suspected release and identifying primary targets. It is expected that not all of this information will be available during the PA. Also, these criteria are not all-inclusive; list any other criteria you use to hypothesize a suspected release or to identify primary targets. This chart will record your professional judgment in evaluating these factors.

The "Suspected Release" section of the chart guides you through evaluation of some site, source, and pathway conditions to help hypothesize whether a release from the site is likely. If a release is suspected, use the "Primary Targets" section to guide you through evaluation of some conditions that will help identify targets likely to be exposed to hazardous substances. You may use this section of the chart more than once, depending on the number of targets you feel may be considered "primary." In the "Primary Targets" section on this sheet, record the responses for the target that you feel has the highest probability of being exposed to hazardous substances.

Check the boxes to indicate a "yes", "no", or "unknown" answer to each question. If you check the "Suspected Release" box as "yes", make sure that you assign a Likelihood of Release value of 550 for the pathway.

SURFACE WATER PATHWAY

SUSPECTED RELEASE

Yes	No	Unknown	
■	□	□	Is surface water nearby?
□	■	□	Is waste quantity particularly large?
□	□	■	Is the drainage area large?
□	□	■	Is precipitation heavy or infiltration rate low?
□	□	■	Are sources poorly contained or prone to runoff or flooding?
■	□	□	Is a runoff route well defined (e.g., ditch or channel leading to surface water)?
□	■	□	Is vegetation stressed along the probable runoff path?
□	■	□	Are suspected contaminants highly persistent in surface water?
■	□	□	Are sediments/water unnaturally discolored?
□	■	□	Is wildlife unnaturally absent?
■	□	□	Has deposition of waste into surface water been observed?
■	□	□	Is ground water discharge to surface water likely?
■	□	□	Is there any circumstantial evidence of surface water contamination?
□	■		Other criteria? _____
■	□		SUSPECTED RELEASE?

PRIMARY TARGETS

Yes	No	Unknown	
■	□	□	Is any target nearby? If yes:
			■ Drinking water intake
			□ Fishery
			□ Sensitive environment
□	■	□	Has an intake, fishery, or recreational area been closed?
■	□	□	Is there any circumstantial evidence of surface water contamination at or downstream of a target?
□	□	■	Does any target warrant sampling? If yes:
			□ Drinking water intake
			□ Fishery
			□ Sensitive environment
	■		Other criteria? _____
■	□		PRIMARY INTAKE(S) IDENTIFIED?
□	■		PRIMARY FISHERY IDENTIFIED?
□	■		PRIMARY SENSITIVE ENVIRONMENT(S) IDENTIFIED?

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Summarize the rationale for suspected release (attach an additional page if necessary):

The facility had a minor spill on 4/14/86. The solution went directly onto the floor and into a drain that led to a ditch in front of the facility. The ditch drains into Indiana Harbor Canal which drains into Lake Michigan. Indiana Harbor Canal also empties into the Calumet river. This area is highly industrialized and is very rarely used for recreational boating.

Summarize the rationale for Primary Targets (attach an additional page if necessary):

It is unknown whether the amount of chemical that entered the ditch would still be concentrated when it entered Lake Michigan where there are surface water intakes for drinking water within 15 miles of the site.

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SURFACE WATER PATHWAY
LIKELIHOOD OF RELEASE AND DRINKING WATER THREAT SCORESHEET

Pathway Characteristics		
Do you suspect a release (see Surface Water Pathway Criteria List, page 11)?	Yes ✓	No ___
Distance to surface water:	~20 ft	
Flood Frequency:	500 yrs	
What is the downstream distance to the nearest drinking-water intake? ~7 1/2 miles		
nearest fishery? NA miles nearest sensitive environment? NA miles		

LIKELIHOOD OF RELEASE

	A Suspected Release	B No Suspected Release	References
1. SUSPECTED RELEASE: If you suspect a release to surface water (see page 11), assign a score of 550, and use only column A for this pathway.	550		
2. NO SUSPECTED RELEASE: If you do not suspect a release to surface water, and the distance to surface water is 2,500 feet or less, assign a score of 500; otherwise, assign a score from the table below. Use only column B for this pathway.		[500, 400, 300 or 100]	1
LR =	550	[500, 400, 300 or 100]	

Floodplain	Score
Site in annual or 10-yr floodplain	500
Site in 100-yr floodplain	400
Site in 500-yr floodplain	300
Site outside 500-yr floodplain	100

DRINKING WATER THREAT TARGETS

3. Determine the water body types, flows (if applicable), and number of people served by all drinking-water intakes within the 15-mile target distance limit. If there are no drinking-water intakes within the target distance limit, assign a total Targets score of 5 at the bottom of this page (Resources only) and proceed to page 14.

Intake Name	Water Body Type	Flow	People Served
Hammond + Whiting	Great Lake	NA cfs	214,749
East Chicago	Great Lake	NA cfs	39,786
Borman Park	Great Lake	NA cfs	130,153

	A	B	References
			8
4. PRIMARY TARGET POPULATION: If you suspect any drinking-water intake listed above has been exposed to hazardous substances from the site (see Surface Water Pathway Criteria List, page 11), list the intake name(s) and calculate the factor score based on the number of people served. ___, ___, ___ people x 10 =	0		1, 9, 10, 11, 12
5. SECONDARY TARGET POPULATION: Determine the Secondary Target Population score from PA Table 3 based on the populations using drinking-water from intakes that you do NOT suspect have been exposed to hazardous substances from the site. Are any intakes part of a blended system? Yes ___ No X If yes, attach a page to show apportionment calculations.	5		2, 3, 4
6. NEAREST INTAKE: If you have identified any Primary Targets for the drinking water threat (Factor 4), assign a score of 50; otherwise, assign the Nearest Intake score from PA Table 3. If no drinking-water intake exists within the 15-mile target distance limit, assign a score of zero.	0		9, 10, 11, 12
7. RESOURCES: A score of 5 is assigned.	5	5	
T =	10		

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PA TABLE 3: VALUES FOR SECONDARY SURFACE WATER TARGET POPULATIONS

Surface Water Body Flow Characteristics (see PA Table 4)	Population	Nearest Intake (choose highest)	Population Served by Intakes Within Flow Category: 1 to 30	31 to 100	101 to 300	301 to 1,000	1,001 to 3,000	3,001 to 10,000	10,001 to 30,000	30,001 to 100,000	100,001 to 300,000	300,001 to 1,000,000	1,000,001 to 3,000,000	Population Value
<10 cfs		20	2	5	16	52	163	521	1,633	5,214	16,325	52,136	163,246	
10 to 100 cfs		2	1	1	2	5	16	52	163	521	1,633	5,214	16,325	
>100 to 1,000 cfs		1	0	0	1	1	2	5	16	52	163	521	1,633	
>1,000 to 10,000 cfs		0	0	0	0	0	1	1	2	5	16	52	163	
>10,000 cfs or Great Lakes	384,688	0	0	0	0	0	0	0	1	1	2	5	16	5
3-mile Mixing Zone		10	1	3	8	26	82	261	816	2,607	8,162	26,068	81,663	

Nearest Intake = 0

Score = 5

PA TABLE 4: SURFACE WATER TYPE / FLOW CHARACTERISTICS WITH DILUTION WEIGHTS FOR SECONDARY SURFACE WATER SENSITIVE ENVIRONMENTS

Type of Surface Water Body: Water Body Type	OR	Flow Characteristics	Dilution Weight
minimal stream		flow less than 10 cfs	1
small to moderate stream		flow 10 to 100 cfs	0.1
moderate to large stream		flow greater than 100 to 1,000 cfs	N/A
large stream to river		flow greater than 1,000 to 10,000 cfs	N/A
large river		flow greater than 10,000 cfs	N/A
3-mile mixing zone of quiet flowing streams or rivers		flow 10 cfs or greater	N/A
coastal tidal water (harbors, sounds, bays, etc.), ocean, or Great Lakes		N/A	N/A

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SURFACE WATER PATHWAY (continued)
HUMAN FOOD CHAIN THREAT SCORESHEET

LIKELIHOOD OF RELEASE	A Suspected Release	B No Suspected Release	References
Enter the Surface Water Likelihood of Release score from page 12. LR =	550		

HUMAN FOOD CHAIN THREAT TARGETS

8. Determine the water body types and flows (if applicable) for all fisheries within the 15-mile target distance limit. If there are no fisheries within the target distance limit, assign a Targets score of 0 at the bottom of this page and proceed to page 15.

Fishery Name	Water Body Type	Flow
Lake Michigan	Great Lake	NA cfs
Calumet River	River	~75 cfs
Indiana Harbor Canal	Canal	~75 cfs
		cfs
		cfs

8

9. PRIMARY FISHERIES: If you suspect any fishery listed above has been exposed to hazardous substances from the site (see Surface Water Criteria List, page 11), assign a score of 300 and do not evaluate Factor 10. List the Primary Fisheries:
Indiana Harbor Canal, _____, _____, _____.

300

1

10. SECONDARY FISHERIES: If you have not identified any Primary Fisheries, assign a Secondary Fisheries score from the table below using the LOWEST flow at any fishery within the 15-mile target distance limit.

Lowest Flow	Secondary Fisheries Score
< 10 cfs	210
10 to 100 cfs	30
>100 cfs, coastal tidal waters, oceans, or Great Lakes	12

0

T = 300

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SURFACE WATER PATHWAY (continued)
ENVIRONMENTAL THREAT SCORESHEET

	A Suspected Release	B No Suspected Release	References
LIKELIHOOD OF RELEASE			
Enter the Surface Water Likelihood of Release score from page 12. LR =	550		
ENVIRONMENTAL THREAT TARGETS			
11. Determine the water body types and flows (if applicable) for all surface water sensitive environments within the 15-mile target distance limit (see PA Tables 4 and 5). If there are no sensitive environments within the 15-mile target distance limit, assign a Targets score of 0 at the bottom of this page, and proceed to page 17.			
12. PRIMARY SENSITIVE ENVIRONMENTS: If you suspect any sensitive environment listed above has been exposed to hazardous substances from the site (see Surface Water Criteria List, page 11), assign a score of 300 and do not evaluate Factor 13. List the Primary Sensitive Environments:	0		8
13. SECONDARY SENSITIVE ENVIRONMENTS: A. For Secondary Sensitive Environments on surface water bodies with flows of 100 cfs or less, assign scores as follows, and do not evaluate part B of this factor:	0		
B. If NO Secondary Sensitive Environments are located on surface water bodies with flows of 100 cfs or less, assign a score of 10.	10		
T =	10		

Environment Name	Water Body Type	Flow
		cfs
		cfs
		cfs
		cfs
		cfs

Flow	Dilution Weight (PA Table 4)	Environment Type and Value (PA Tables 5 and 6)	Total
cfs	x	=	
cfs	x	=	
cfs	x	=	
cfs	x	=	
cfs	x	=	

Sum =

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PA TABLE 5: SURFACE WATER AND AIR SENSITIVE ENVIRONMENTS VALUES

Sensitive Environment	*Assigned Value*
Critical habitat for Federally designated endangered or threatened species	100
Marine Sanctuary	
National Park	
Designated Federal Wilderness Area	
Ecologically important areas identified under the Coastal Zone Wilderness Act	
Sensitive Areas identified under the National Estuary Program or Near Coastal Water Program of the Clean Water Act	
Critical Areas Identified under the Clean Lakes Program of the Clean Water Act (subareas in lakes or entire small lakes)	
National Monument	
National Seashore Recreation Area	
National Lakeshore Recreation Area	
Habitat known to be used by Federally designated or proposed endangered or threatened species	75
National Preserve	
National or State Wildlife Refuge	
Unit of Coastal Barrier Resources System	
Federal land designated for the protection of natural ecosystems	
Administratively Proposed Federal Wilderness Area	
Spawning areas critical for the maintenance of fish/shellfish species within a river system, bay or estuary	
Migratory pathways and feeding areas critical for the maintenance of anadromous fish species in a river system	
Terrestrial areas utilized by large or dense aggregations of vertebrate animals (semi-aquatic foragers) for breeding	
National river reach designated as recreational	
Habitat known to be used by State designated endangered or threatened species	50
Habitat known to be used by a species under review as to its Federal endangered or threatened status	
Coastal Barrier (partially developed)	
Federally designated Scenic or Wild River	
State land designated for wildlife or game management	25
State designated Scenic or Wild River	
State designated Natural Area	
Particular areas, relatively small in size, important to maintenance of unique biotic communities	
State designated areas for the protection/maintenance of aquatic life under the Clean Water Act	5
Wetlands	See PA Table 6 (Surface Water Pathway) or PA Table 9 (Air Pathway)

PA TABLE 6: SURFACE WATER WETLANDS FRONTAGE VALUES

Total Length of Wetlands	*Assigned Value*
Less than 0.1 mile	0
0.1 to 1 mile	25
Greater than 1 to 2 miles	50
Greater than 2 to 3 miles	75
Greater than 3 to 4 miles	100
Greater than 4 to 8 miles	150
Greater than 8 to 12 miles	250
Greater than 12 to 16 miles	350
Greater than 16 to 20 miles	450
Greater than 20 miles	500

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SURFACE WATER PATHWAY (concluded)

WASTE CHARACTERISTICS, THREAT, AND PATHWAY SCORE SUMMARY

WASTE CHARACTERISTICS

	A Suspected Release	B No Suspected Release
14. A. If you have identified ANY Primary Targets for surface water (pages 12, 14, or 15), assign the waste characteristics score calculated on page 4, or a score of 32, whichever is GREATER; do not evaluate part B of this factor.	0	
B. If you have NOT identified any Primary Targets for surface water, assign the waste characteristics score calculated on page 4.		18
WC =		18

SURFACE WATER PATHWAY THREAT SCORES

Threat	Likelihood of Release (LR) Score (from page 12)	Targets (T) Score	Pathway Waste Characteristics (WC) Score (determined above)	Threat Score LR x T x WC / 82,500
Drinking Water	550	10	18	1.2
Human Food Chain	550	300	18	36
Environmental	550	10	18	1.2

SURFACE WATER PATHWAY SCORE
(Drinking Water Threat + Human Food Chain Threat + Environmental Threat) 38.4

SOIL EXPOSURE PATHWAY CRITERIA LIST

Site Name: Griffin Wellpoint Corp.
Date: Aug 19, 91

This chart provides guidelines to assist you in hypothesizing the presence of a resident population. It is expected that not all of this information will be available during the PA. Also, these criteria are not all-inclusive; list any other criteria you use to hypothesize resident populations. This chart will record your professional judgment in evaluating this factor.

Use the resident population section to guide you through evaluation of some site and source conditions that will help identify targets likely to be exposed to hazardous substances. You may use this section of the chart more than once, depending on the number of nearby people you feel may be considered part of a resident population. Record the responses for the resident population target that you feel has the highest probability of being exposed to hazardous substances.

Check the boxes to indicate a "yes", "no", or "unknown" answer to each question.

SOIL EXPOSURE PATHWAY

SUSPECTED CONTAMINATION	Yes	No	Unknown	RESIDENT POPULATION
Surficial contamination is assumed.	■	□	□	Are there residences, schools, or day care facilities on or within 200 feet of areas of suspected contamination?
	■	□	□	Are residences, schools, or day care facilities located on adjacent land previously owned or leased by the site owner/operator?
	□	■	□	Is there an overland migration route that might spread hazardous substances near residences, schools, or day care facilities?
	□	■	□	Are there any reports of adverse health effects from onsite or adjacent residents or students, exclusive of apparent drinking water or air contamination problems?
	□	■	□	Does any offsite property warrant sampling?
		■		Other criteria? _____
	■	□		**RESIDENT POPULATION IDENTIFIED?**

Summarize the rationale for resident population (attach an additional page if necessary):

There are only a few houses within 200' of the site. The population per household in Lake County, Indiana is 2.96. Therefore, the population within 200' of the site is approximately 9 persons. There are ~40 employees at the facility. It is not known if there are day care facilities within 200'.

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Date: Griffin Wellpoint Corp. Aug 19, 91

SOIL EXPOSURE PATHWAY SCORESHEET

Pathway Characteristics		
Do any people live on or within 200 ft of areas of suspected contamination?	Yes ✓	No ___
Do any people attend school or day care on or within 200 ft of areas of suspected contamination?	Yes ___	No ✓
Is the facility active? Yes ✓ No ___ If yes, estimate the number of workers: ___		

	A Suspected Contamination	B No Suspected Contamination	References
LIKELIHOOD OF EXPOSURE			
1. SUSPECTED CONTAMINATION: Surficial contamination is assumed. A score of 550 is assigned. LE =	550		
RESIDENT POPULATION THREAT TARGETS			
2. RESIDENT POPULATION: Determine the number of people occupying residences or attending school or day care on or within 200 feet of areas of suspected contamination (see Soil Exposure Pathway Criteria List, page 18). 9 people x 10 =	90		3
3. RESIDENT INDIVIDUAL: If you have identified any Resident Population (Factor 2), assign a score of 50; otherwise, assign a score of 0.	50		3
4. WORKERS: Assign a score from the following table based on the total number of workers at the facility and nearby facilities with suspected contamination:	5		3
5. TERRESTRIAL SENSITIVE ENVIRONMENTS: Assign a value from PA Table 7 for each terrestrial sensitive environment that is located on an area of suspected contamination: Sum =	0		8
6. RESOURCES: A score of 5 is assigned.	5		
T =	150		
WASTE CHARACTERISTICS			
7. Assign the waste characteristics score calculated on page 4. WC =	18		

Number of Workers	Score
0	0
1 to 100	5
101 to 1,000	10
≥ 1,000	15

Terrestrial Sensitive Environment Type	Value

RESIDENT POPULATION THREAT SCORE: $\frac{LE \times T \times WC}{82,500}$ = 18

NEARBY POPULATION THREAT SCORE: 2
Assign a score of 2

SOIL EXPOSURE PATHWAY SCORE: 20
Resident Population Threat + Nearby Population Threat

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Date. Griffin Wellpoint Corp.
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PA TABLE 7: SOIL EXPOSURE PATHWAY
TERRESTRIAL SENSITIVE ENVIRONMENT VALUES

Terrestrial Sensitive Environment	*Assigned Value*
Terrestrial critical habitat for Federally designated endangered or threatened species National Park Designated Federal Wilderness Area National Monument	100
Terrestrial habitat known to be used by Federally designated or proposed threatened or endangered species National Preserve (terrestrial) National or State terrestrial Wildlife Refuge Federal land designated for protection of natural ecosystems Administratively proposed Federal Wilderness Area Terrestrial areas utilized by large or dense aggregations of animals (vertebrate species) for breeding	75
Terrestrial habitat used by State designated endangered or threatened species Terrestrial habitat used by species under review for Federally designated endangered or threatened status	50
State lands designated for wildlife or game management State designated Natural Areas Particular areas, relatively small in size, important to maintenance of unique biotic communities	25

AIR PATHWAY CRITERIA LIST

Site Name: Griffin Wellpoint Corp
Date: Aug 19, 91

This chart provides guidelines to assist you in hypothesizing the presence of a suspected release. It is expected that not all of this information will be available during the PA. Also, these criteria are not all-inclusive; list any other criteria you use to hypothesize a suspected release. This chart will record your professional judgment in evaluating this factor.

The "Suspected Release" section of the chart guides you through evaluation of some conditions to help hypothesize whether a release from the site is likely. For the Air Pathway, if a release is suspected, "Primary Targets" are any residents, workers, students, or sensitive environments within ¼ mile of the site.

Check the boxes to indicate a "yes", "no", or "unknown" answer to each question. If you check the "Suspected Release" box as "yes", make sure that you assign a Likelihood of Release value of 550 for the pathway.

AIR PATHWAY

Yes	No	Unknown	SUSPECTED RELEASE	PRIMARY TARGETS
☐	■	☐	Have odors been reported?	*If you suspect a release to air, evaluate all populations and sensitive environments within ¼ mile (including those onsite) as Primary Targets.*
☐	■	☐	Has a release of hazardous substances to the air been directly observed?	
☐	■	☐	Are there any reports of adverse health effects (e.g., headaches, nausea, dizziness) potentially resulting from migration of hazardous substances through the air?	
☐	■	☐	Is there any circumstantial evidence of an air release?	
	■		Other criteria? _____	
☐	■		SUSPECTED RELEASE?	

Summarize the rationale for suspected release (attach an additional page if necessary):

From documentation, Griffin Dewatering Company had contamination in only two areas: surface water and soil. No release of hazardous substances into the air has been directly observed. No complaints of adverse health effects have been reported.

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AIR PATHWAY SCORESHEET

Pathway Characteristics	
Do you suspect a release (see Air Pathway Criteria List, page 21)?	Yes ___ No X
Distance to the nearest individual:	___ ft

	A Suspected Release	B No Suspected Release	References
LIKELIHOOD OF RELEASE			
1. SUSPECTED RELEASE: If you suspect a release to air (see page 21), assign a score of 550, and use only column A for this pathway.			
2. NO SUSPECTED RELEASE: If you do not suspect a release to air, assign a score of 500, and use only column B for this pathway.		500	3
LR =		500	
TARGETS			
3. PRIMARY TARGET POPULATION: Determine the number of people subject to exposure from a release of hazardous substances through the air (see Air Pathway Criteria List, page 21). ___ people x 10 =	0		3,9,10,11,12
4. SECONDARY TARGET POPULATION: Determine the number of people within the 4-mile target distance limit, and assign the total population score from PA Table 8.		55	9,10,11,12
5. NEAREST INDIVIDUAL: If you have identified any Primary Targets for the air pathway, assign a score of 50; otherwise, assign the highest Nearest Individual score from PA Table 8.		2	3,9,10,11,12
6. PRIMARY SENSITIVE ENVIRONMENTS: Sum the sensitive environment values (PA Table 5) and wetland acreage values (PA Table 9) for environments subject to exposure from air hazardous substances (see Air Pathway Criteria List, page 21).			
Sum =			
7. SECONDARY SENSITIVE ENVIRONMENTS: Use PA Table 10 to determine the score for secondary sensitive environments.		0	8
8. RESOURCES: A score of 5 is assigned.	5	5	
T =		62	
WASTE CHARACTERISTICS			
9. A. If you have identified any Primary Targets for the air pathway, assign the waste characteristics score calculated on page 4, or a score of 32, whichever is GREATER; do not evaluate part B of this factor.			
B. If you have NOT identified any Primary Targets for the air pathway, assign the waste characteristics score calculated on page 4.		18	
WC =		18	

AIR PATHWAY SCORE: $\frac{LR \times T \times WC}{82{,}500}$ = 6.76

Site Name: Griffin wellpoint Corp.
Date: Aug 19, 91

PA TABLE 8: VALUES FOR SECONDARY AIR TARGET POPULATIONS

Distance from Site	Population	Nearest Individual (choose highest)	Population Within Distance Category: 1 to 10	11 to 30	31 to 100	101 to 300	301 to 1,000	1,001 to 3,000	3,001 to 10,000	10,001 to 30,000	30,001 to 100,000	100,001 to 300,000	300,001 to 1,000,000	1,000,001 to 3,000,000	Population Value
Onsite	—	20	1	2	5	16	52	163	521	1,633	5,214	16,325	52,136	163,246	—
>0 to ¼ mile	—	20	1	1	1	4	13	41	130	408	1,303	4,081	13,034	40,811	—
>¼ to ½ mile	270	2	0	0	1	1	3	9	28	88	282	882	2,815	8,815	1
>½ to 1 mile	4340	1	0	0	0	1	1	3	8	26	83	261	834	2,612	8
>1 to 2 miles	38418	0	0	0	0	0	1	1	3	8	27	83	266	833	27
>2 to 3 miles	51003	0	0	0	0	0	1	1	1	4	12	38	120	376	12
>3 to 4 miles	79040	0	0	0	0	0	0	1	1	2	7	23	73	229	7

Nearest Individual = 2

Score = 55

PA TABLE 9: AIR PATHWAY VALUES FOR WETLAND AREA

Wetland Area	Assigned Value
Less than 1 acre	0
1 to 50 acres	25
Greater than 50 to 100 acres	75
Greater than 100 to 150 acres	125
Greater than 150 to 200 acres	175
Greater than 200 to 300 acres	250
Greater than 300 to 400 acres	350
Greater than 400 to 500 acres	450
Greater than 500 acres	500

PA TABLE 10: DISTANCE WEIGHTS AND CALCULATIONS FOR AIR PATHWAY SECONDARY SENSITIVE ENVIRONMENTS

Distance	Distance Weight	Sensitive Environment Type and Value (from PA Table 5 or 9)	Product
Onsite	0.10	x	
		x	
0-1/4 mi	0.025	x	
		x	
		x	
1/4-1/2mi	0.0054	x	
		x	
		x	
		x	

Total Environments Score =

*No Sensitive Environments within 1/2 mile of Site.

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Site Name: Griffin Wellpoint Corp. 24
Date: Aug 19, 91

SITE SCORE CALCULATION

	S	S^2
GROUND WATER PATHWAY SCORE (S_{gw}):	0.55	0.3025
SURFACE WATER PATHWAY SCORE (S_{sw}):	38.4	1474.56
SOIL EXPOSURE PATHWAY SCORE (S_{se}):	20	400
AIR PATHWAY SCORE (S_a):	6.76	45.698
SITE SCORE: $\sqrt{\frac{S_{gw}^2+S_{sw}^2+S_{se}^2+S_a^2}{4}}$ =		21.91

RECOMMENDATION

Recommended for site inspection with medium priority.

SUMMARY

	YES	NO
1. Is there a high possibility of a threat to nearby drinking water wells by migration of hazardous substances in ground water?	☐	■
A. If yes, identify the wells recommended for sampling during the SI. _____		
B. If yes, how many people are served by these threatened wells? _____		
2. Are any of the following suspected to have been exposed to hazardous substances through surface water migration from the site?		
A. Drinking water intake	☐	■
B. Fishery	☐	■
C. Sensitive environment: wetland, critical habitat, others	☐	■
D. If yes, identify the targets recommended for sampling during the SI. _____		
3. Do people reside or attend school or day care on or within 200 ft of any area of suspected contamination?	■	☐
4. Are there public health concerns at this site that are not addressed by PA scoring considerations? If yes, explain:	■	☐

Partially empty and empty barrells stored onsite. There could be soil contamination, but do not know level of contamination.

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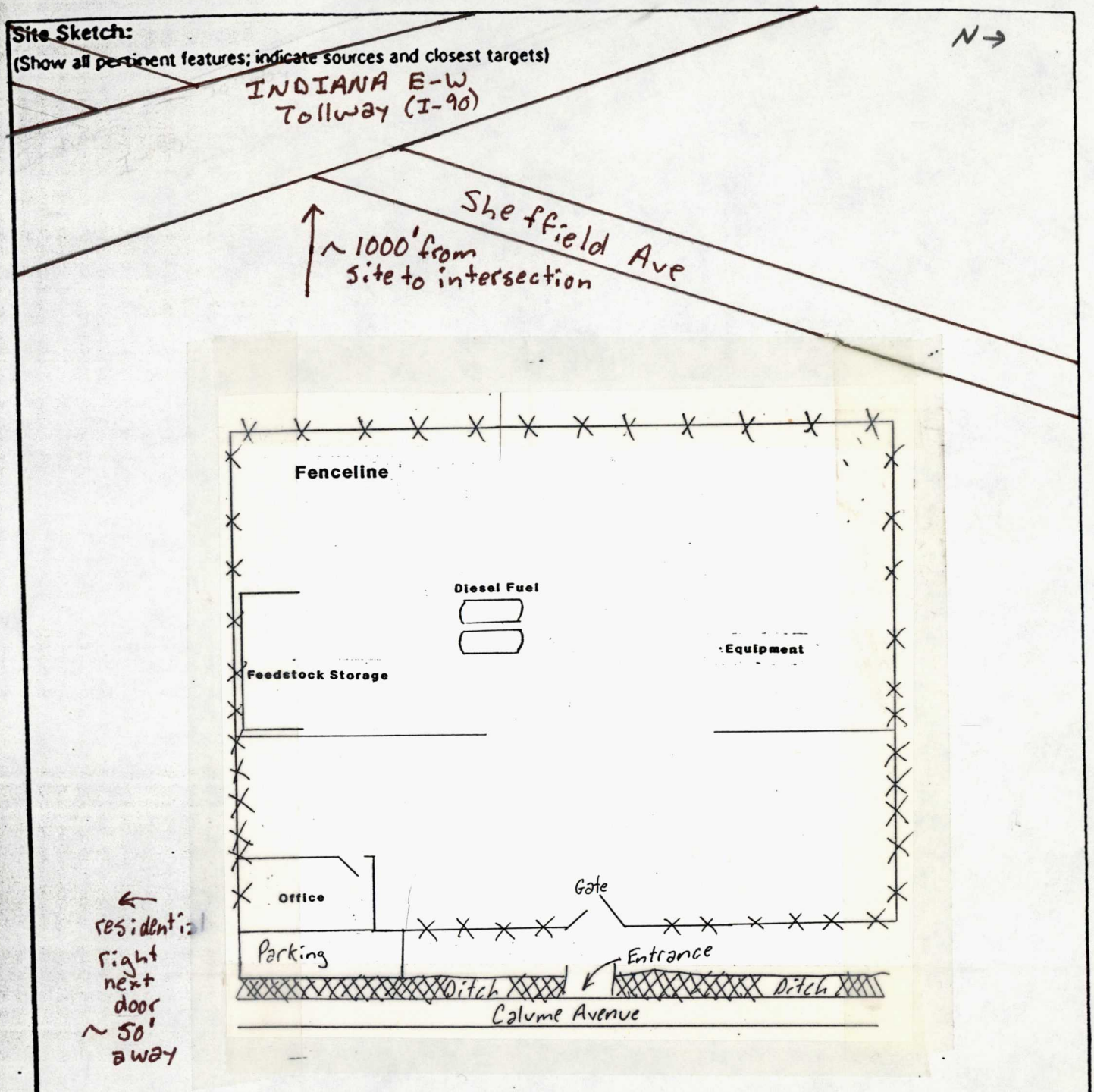
Date:

GENERAL INFORMATION (continued)

Site Sketch:
(Show all pertinent features; indicate sources and closest targets)



Indiana
Harbor
Canal
~2½ miles
away
~25cfs

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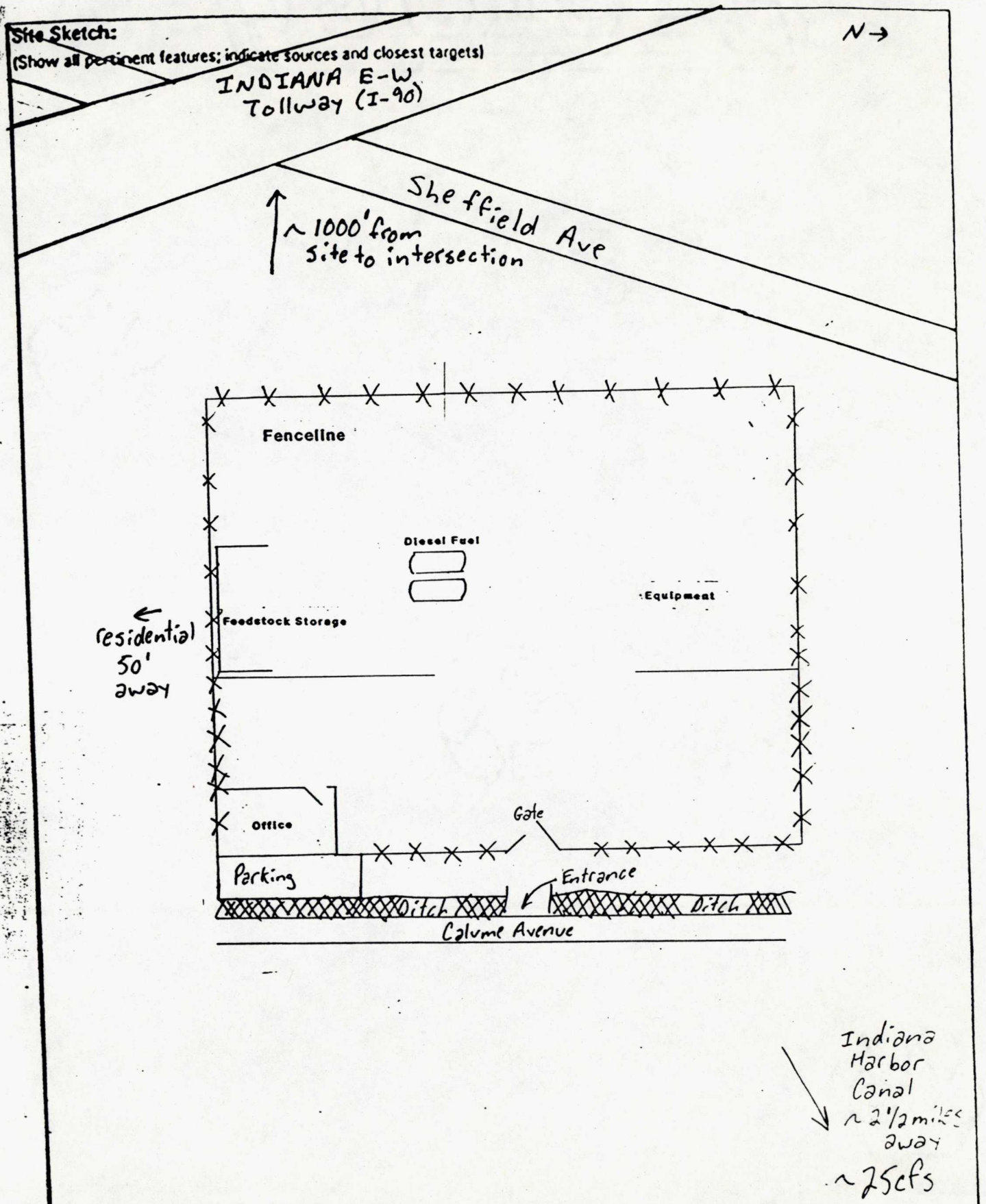
GENERAL INFORMATION (continued)

Site Sketch:
(Show all pertinent features; indicate sources and closest targets)