

Nine Minimum Controls – No. 5

5.0 ELIMINATION OF CSOs DURING DRY WEATHER

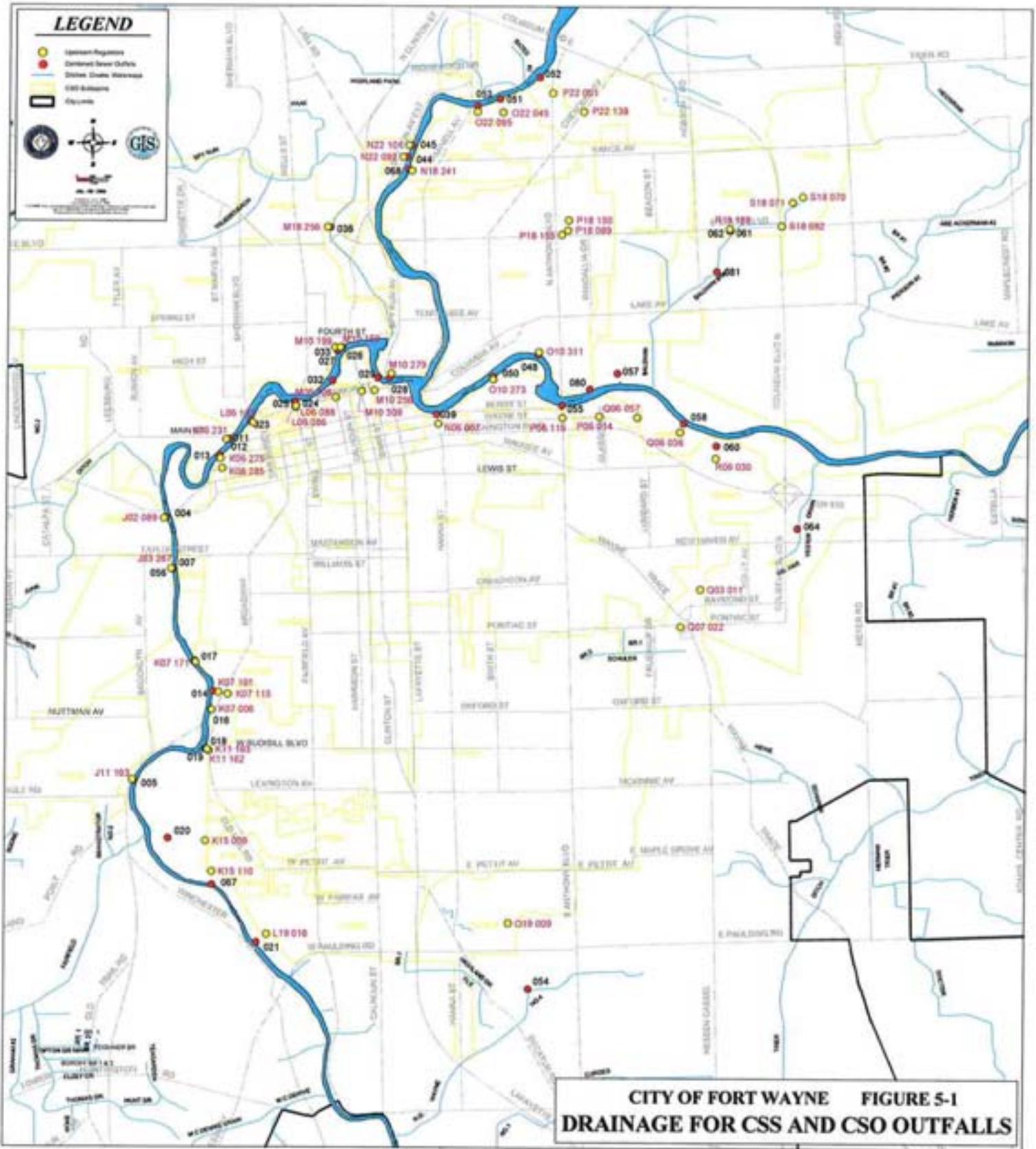
5.1 OVERVIEW

Overflows from the CSS add pollutants to receiving waters. The CWA's NPDES program prohibits dry weather overflows. The fifth of the nine minimum controls described in EPA's NMC Guidance addresses measures taken towards the elimination of CSOs during dry weather. By eliminating dry weather overflows from the CSS, the pollutant loadings in the receiving waters can be reduced. The City's WPCP and combined sewer interceptor sewer system (including its diversion structures and/or regulators) were designed to handle dry weather flows without overflows. Therefore, most dry weather combined sewer overflows (DWOs) can be prevented through proper monitoring, operation, and maintenance of the CSS.

Overflow control is accomplished through a cycle of activities affecting the CSS. The activities include: operation, inspection, maintenance, and modification. In this Chapter the appropriate operating, inspection, and maintenance procedures presented in Chapter 1 will be referenced and the process for analyzing past DWOs will be discussed. All DWOs, if any, will be analyzed at least annually and recommendations for improvements will be developed. All appropriate actions will be taken to eliminate a re-occurrence of a DWO.

5.2 OPERATING, INSPECTING, AND MAINTAINING

DWOs originate in sewers of the CSS. Because, in the City's experience, DWOs most frequently occur in connection with regulators, the City's efforts to continue to eliminate DWOs focus on its diversion structures and associated regulators. Table 5-1 lists overflow discharge point permit numbers, the corresponding City structure ID #'s, and upstream regulator City structure ID #'s. Figure 5-1 shows the locations of the overflow discharge points and upstream regulators. The City has a total of 51 regulators, of which 20 are mechanical (float operated). Only 9 of these are operational currently. The regulator gates of the others have been chained open to maximize flow to the WPCP. The remaining regulators are diversion type regulators (where surcharging is diverted into another pipe). One of these regulators is controlled by a pump station where the quantity of flow sent to the WPCP for treatment is determined by the capacity of the pumps. Flows in excess of the pump capacity become overflows. Additional summary information on diversion structures and regulators can be found in Table 4-1 of Exhibit A-1.



**CITY OF FORT WAYNE FIGURE 5-1
DRAINAGE FOR CSS AND CSO OUTFALLS**

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TABLE 5-1
July 2006

Discharge Point Permit #	Discharge Point City ID #	Upstream Regulator City ID #
004	J02-090	J02-089
005	J11-164	J11-163
007	K03-092	J03-267
011	K06-233	K06-231
012	K06-234	K06-231
013	K06-298	K06-275
		K06-285
014	K07-106	K07-101
		K07-115
016	K07-109	K07-006
017	K07-176	K07-171
018	K11-165	K11-163
019	K11-178	K11-162
020	K15-116	K15-009
021	K19-044	L19-018
023	L06-103	L06-102
024	L06-420	L06-088
025	L06-421	L06-086
026	M10-151	M10-150
		M10-199
027	M10-202	M10-199
028	M10-238	M10-279
029	M10-265	M10-256
		M10-309
032	M10-306	M06-007
033	M10-313	M10-199
036	M18-032	M18-256
039	N06-022	N06-706
044	N22-093	N22-092
045	N22-103	N22-101
048	O10-252	O10-311
050	O10-277	O10-273
051	O22-002	O22-045
052	O22-004	P22-001
		P22-139
053	O22-094	O22-095
054	O23-080	O19-009

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055	P06-192	P06-119
056	J03-313	J03-267
057	P10-121	P06-014
		Q06-057
058	Q06-034	Q06-036
060	R06-031	R06-030
061	R14-137	S18-082
062	R14-138	R18-188
064	S02-035	Q07-022
		Q03-011
067	K19-077	K15-110
068	N18-254	N18-241
080**	P10-001	P18-150
		P18-089
		P18-155
081**	R14-032	S18-070
		S18-071

* See Exhibit E-1 of this Chapter for locations of the discharge points

**assumed number, to be determined/verified upon proposed NPDES permit modification

5.2.1 Operation

The operation of the regulators is discussed in Chapter 1. Details, including construction drawings (when available), operating procedures and operating parameters concerning each regulator are kept in the City's Planning & Design Services library in the City/County Building

5.2.2 Inspections

Two types of inspections occur with respect to regulators. The first type is operational inspections which monitor system activities and regulator performance. Such inspections currently occur daily during on weekdays and on weekends in connection with rain events. The second type of inspections is annual structural inspections. These inspections further assess the need for repairs and replacement work.

5.2.3 Maintenance

The type of maintenance required by each regulator varies by regulator type and location. Exhibits A-1 and A-2 of Chapter 1 contain detailed maintenance procedures and schedules for each regulator in the CSS.

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5.3 ANALYSIS OF PAST DWOs

5.3.1 Purpose

The purpose of analyzing past DWOs is to identify any DWO cause that can be addressed by modifying facilities or procedures.

5.3.2 Process

The steps of the DWO analysis process are:

- Gather copies of all DWO reports that have been submitted to IDEM during the period of interest
- Describe the cause of each DWO and sort the reports by cause.
- Sort the reports by DWO by time of year.
- Sort reports by location.
- Review the appropriate regulator details to identify the system components and functions.
- Identify any component that malfunctioned.
- Make recommendations to eliminate, if feasible, the cause or source of each DWO.

This process has been utilized to analyze DWOs since January 1, 1997. The report on this process for the years 1997-2004 is at Exhibit E-2. Recommendations that resulted from the report are stated within Exhibit E-3.

5.4 RECORDKEEPING

Records concerning each calendar year's DWOs will be annually assembled as outlined above and added to Exhibit E-4. .

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DIRECTORY FOR APPENDIX E (Items Presented in Order of Appearance in Appendix E)

<u>Item</u>	<u>Description</u>
Exhibit E-1	DISCHARGE POINT LOCATIONS
Exhibit E-2	ANALYSES OF PAST DRY WEATHER OVERFLOWS
Exhibit E-3	RECOMMENDATIONS TO ELIMINATE OR REDUCE DWOs
Exhibit E-4	RECORDKEEPING

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EXHIBIT E-1

EXHIBIT E-1

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Permit No. IN0032191

ATTACHMENT A

Precipitation Related Combined Sewer Overflow Discharge Authorization Requirements

I. Discharge Requirements

A. The permittee is authorized to discharge from the outfalls listed below, subject to the requirements and provisions of this permit, including Attachment A.

<u>Overflow Point</u>	<u>Location</u>	<u>Receiving Water</u>
004	J02-90, 210' South of bridge at W. Jefferson & St. Mary's River Latitude 41° 04' 16" Longitude 85° 09' 44"	Saint Mary's River
005	J11-164, 210' Southeast of Manito Blvd. & Indiana Village Blvd. Latitude 41° 02' 50" Longitude 85° 09' 59"	Saint Mary's River
007	K03-92, 250' Southeast of Electric Ave. & Brown St. Latitude 41° 03' 59" Longitude 85° 09' 41"	Saint Mary's River
011	K06-233, 230' Southeast of Main St. & Camp Allen Dr. Latitude 41° 04' 42" Longitude 85° 09' 17"	Saint Mary's River
012	K06-234, 230' Southeast of Main St. and Camp Allen Dr. Latitude 41° 04' 42" Longitude 85° 09' 17"	Saint Mary's River
013	K06-298, 80' North of Thieme Dr. & Berry St. Latitude 41° 04' 37" Longitude 85° 09' 22"	Saint Mary's River
014	K07-106, 60' West of Dinnen Ave. and Packard Ave. Latitude 41° 03' 19" Longitude 85° 09' 23"	Saint Mary's River
016	K07-109, 280' Southwest of Broadway & Kinsmoor Ave. Latitude 41° 03' 13" Longitude 85° 09' 25"	Saint Mary's River
017	K07-176, 130' Southwest of St. Mary's Pkwy & Waldron Circle Latitude 41° 03' 29" Longitude 85° 09' 32"	Saint Mary's River
018	K11-165, 150' West of Broadway & Rudisill Blvd. Latitude 41° 03' 00" Longitude 85° 09' 28"	Saint Mary's River
019	K11-178, 150' West of Broadway & Rudisill Blvd. Latitude 41° 03' 00" Longitude 85° 09' 28"	Saint Mary's River

EXHIBIT E-1

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020	K15-116, 1300' West of Hartman Rd. & Westover Rd. Latitude 41° 02' 33" Longitude 85° 09' 41"	Saint Mary's River
021	K19-044, 850' West of Old Mill Rd. & Fairfax Ave. Latitude 41° 01' 57" Longitude 85° 09' 05"	Saint Mary's River
023	L06-103, 90' Northwest of Jackson St. & Superior St. Latitude 41° 04' 47" Longitude 85° 09' 09"	Saint Mary's River
024	L06-420, 220' North of Superior St. & Fairfield Ave. Latitude 41° 04' 54" Longitude 85° 08' 48"	Saint Mary's River
025	L06-421, 220' North of Superior St. & Fairfield Ave. Latitude 41° 04' 54" Longitude 85° 08' 49"	Saint Mary's River
026	M10-151, 310' East of Third St. & Calhoun St. Latitude 41° 05' 12" Longitude 85° 08' 28"	Saint Mary's River
027	M10-202, 200' Southeast of Third St. & Calhoun St. Latitude 41° 05' 11" Longitude 85° 08' 30"	Saint Mary's River
028	M10-238, 150' East of Saint Mary's River Bridge & Spy Run Ave. Latitude 41° 05' 02" Longitude 85° 08' 07"	Saint Mary's River
029	M10-265, 230' East of Duck St. & Barr St. Latitude 41° 05' 02" Longitude 85° 08' 13"	Saint Mary's River
032	M10-306, 120' North of Clair St. & Harrison St. Latitude 41° 05' 01" Longitude 85° 08' 33"	Saint Mary's River
033	M10-313, 200' Southeast of Third St. & Calhoun St. Latitude 41° 05' 11" Longitude 85° 08' 30"	Saint Mary's River
036	M18-032, 520' North of State Blvd. & Westbrook Dr. Latitude 41° 05' 52" Longitude 85° 08' 34"	Spy Run Creek
039	N06-022, 120' North of Hanna St. & Berry St. Latitude 41° 04' 50" Longitude 85° 07' 48"	Maumee River
044	N22-93, 150' East of Dalgreen Ave & Spy Run Ave. Latitude 41° 06' 15" Longitude 85° 08' 00"	Saint Joseph River
045	N22-103, 100' East of Penn St. & Spy Run Ave. Latitude 41° 06' 19" Longitude 85° 07' 58"	Saint Joseph River
048	O10-252, 350' West of Edgewater & Garfield Latitude 41° 05' 08" Longitude 85° 07' 54"	Maumee River

EXHIBIT E-1

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050	O10-277, 100' North of Coombs St. & Herbert St. Latitude 41° 05' 03" Longitude 85° 07' 21"	Maumee River
051	O22-002, 120' Northwest of St. Joseph Dr. & Woodrow Ave. Latitude 41° 06' 41" Longitude 85° 07' 03"	Saint Joseph River
052	O22-4, 370' West of N. Anthony Blvd. & St. Joseph River Dr. Latitude 41° 06' 43" Longitude 85° 06' 32"	Saint Joseph River
053	O22-094, 200' East of Parnell Ave bridge & the St. Joseph River Latitude 41° 06' 32" Longitude 85° 07' 29"	Saint Joseph River
054	O23-080, 240' East of Mercer Ave. & Hollis Ln. Latitude 41° 01' 41" Longitude 85° 07' 07"	Natural Drain #4
055	P06-192, 430' North of N. Anthony Blvd. & Wayne St. Latitude 41° 04' 52" Longitude 85° 06' 53"	Maumee River
056	J03-313, Brown Street Pump Station Latitude 41° 05' 06" Longitude 85° 06' 32"	Saint Mary's River
057	P10-121, Stormwater Liftstation Wet Well Latitude 41° 05' 02" Longitude 85° 06' 28"	Maumee River
058	O06-34, 390' Northwest of Edsall Ave. & Dwenger Ave. Latitude 41° 04' 46" Longitude 85° 05' 59"	Maumee River
060	R06-31, 670' Northeast of Greenwalt Ave. & Maumee Ave. Latitude 41° 04' 37" Longitude 85° 05' 39"	Unnamed Ditch to Maumee River
061	R14-137, 200' West of Lavern Ave. & State Blvd. Latitude 41° 05' 50" Longitude 85° 05' 40"	Baldwin Ditch
062	R14-138, 200' West of Lavern Ave. & State Blvd. Latitude 41° 05' 50" Longitude 85° 05' 40"	Baldwin Ditch
064	S02-35, 610' Southeast of Coliseum Blvd. S. & New Haven Ave. Latitude 41° 04' 16" Longitude 85° 05' 11"	Unnamed Ditch to Maumee River
067	K19-077, 310' Southeast of Hartman Rd. & Foster Park Dr. (Lat/Long data not available)	Saint Mary's River
068	N18-254, 54' North of Northside Dr. & Glazier Ave. on east bank (Lat/Long data not available)	St. Joseph River

EXHIBIT E-1

Overflow

<u>Point</u>	<u>Location</u>	<u>Receiving Water</u>
080	P10-001, 250' northeast of Niagra & Pemberton Latitude 41 ⁰ 04'57" Longitude 85 ⁰ 06'44"	Maumee River
081	R14-032, 200' north and 710' west of Nevada and Laverne Latitude 41 ⁰ 05'37" Longitude 85 ⁰ 05'46"	Baldwin Ditch

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EXHIBIT E-2

Report on Analysis of Past Dry Weather Overflows 1997 - 2004

Prior to 1940 when the sewage treatment plant was built, all of Fort Wayne's sewers carried sewage directly to the city's rivers. Most of the sewers built prior to this time were combined sewers. They carried both sewage and stormwater. When the treatment plant was built it was sized to treat a volume approximately equal to the sewage generated by the City at that time.

A system of interceptor sewers was built at the same time the sewage treatment plant was built. The purpose of the interceptors was to collect and transport sewage to the new treatment plant. The interceptors crossed or "intercepted" the existing sewers just before the existing sewers discharged into the City's rivers.

Structures called regulators were built at these crossings. The purpose of the regulators was to regulate the flow to the treatment plant. Each regulator was adjusted so that the maximum flow from all the regulators was equal to the flow the treatment plant could treat without damaging the treatment process. These maximum flows were high enough to direct all dry weather flows to the treatment plant for treatment. These structures allowed sewage flows to discharge to the rivers only during wet weather events when the peak flows exceeded the treatment plant's capacity.

Even today combined sewage flows will not go to the river during dry weather if the system is working as designed and built.

This infrastructure remains in place although adjustments have been made over time as the Water Pollution Control Plant's hydraulic capacity increased in the 1960's and 1970's. However, beginning in the 1960's, all new sewer construction was designed and installed as separate storm sewers and sanitary sewers.

The purpose of this study is to review past dry weather overflows (DWOs) from the CSS to categorize the causes of DWOs and identify ways to prevent or reduce the occurrences of DWOs. The study will list the location, date, cause, and actions taken to eliminate each DWO reported between 1/1/97 and 1/31/04.

1. Initial Analysis

Copies of all DWO reports were acquired from Fort Wayne's Water Pollution Control Maintenance Department. A total of 45 DWOs were reported. The report format has evolved and the authors of the reports have changed over the years so the information available varies slightly from report to report. Copies of the report are in Appendix A.

The DWO reports were sorted by location, cause, and time of the year. The total number of incidents in each category may vary slightly because of the different information contained on each report.

Report on Analysis of Past Dry Weather Overflows 1997 - 2004

The causes of overflows were grouped into 5 general categories; obstructions within the regulator, obstructions in the sewer downstream of the regulator, electrical malfunction of the regulator, mechanical malfunction of the regulator, and human error. The cause group and overflow frequencies are shown in Table 1.

Table 1

Cause Group	Overflow Occurrences
Obstruction within regulator	19
Obstruction downstream of regulator	8
Regulator electrical malfunction	9
Regulator mechanical malfunction	3
Human error	1
Unknown	5

Overflows were also grouped by the time of year during which they occurred. Fifteen occurred during January, February, and March. Fifteen occurred during April, May, and June. Ten occurred during July, August, and September. And thirteen occurred during October, November, and December.

There are 50 regulators in Fort Wayne's combined sewer system. DWOs were reported at 16 identifiable sites during the study period. Multiple occurrences were reported at 8 identifiable sites and single occurrences were reported at 8 identifiable sites. The location and DWO frequency at the location are shown in Table 2.

Table 2

Regulator SIP #	Overflow Occurrences
J11-163	10
K15-009	6
P06-119	5
L19-018	4
O10-311	4
J03-267	3
O22-004 (Discharge Point)	2
M10-150	2
K11-162	1
M18-256	1
S18-082	1
K07-171	1
K06-231	1
O22-045	1
K06-285	1
O10-273	1
Unidentified	1

Report on Analysis of Past Dry Weather Overflows 1997 - 2004

2. Assessment of DWO Causes

2.1. Obstructions Within The Regulator

All the obstructions within the regulators occurred in mechanical regulators with float operated regulator gates.

These obstructions appear to have been caused by debris that had become snagged on the regulator gate assemblies or at the transition from large diameter pipe to significantly smaller openings to the regulator chamber. Often the debris was not typical sewage solids. It contained bricks, lumber, fiberglass pieces, twine, wooden spools, rags, or large quantities of paper towels.

Mechanical regulators with float operated gates should be inspected frequently to determine if there is any reduction in base dry weather flow passing through the regulator. This could be a sign of debris build up. If reduced flow is seen, the regulator should be cleaned immediately.

2.2. Obstructions Downstream of The Regulator

The causes of obstructions downstream of regulators were not any different than the causes for obstructions in a typical gravity sewer. The results of obstructions downstream of regulators often are more serious than obstructions in a typical gravity sewer because an obstruction downstream of a regulator often results in an overflow to the river where an obstruction in a typical gravity sewer just results in surcharging.

The cleaning and repair of sewer segments just downstream of regulators should be given a higher priority than the cleaning and repair of typical gravity sewers.

2.3. Electrical Malfunctions

Electrical components in a sanitary sewage environment do not have a long life expectancy. They will require frequent testing and replacement.

The power feed from the local power company turned out to be the biggest factor at the 2 locations where electrical malfunctions were identified.

2.4. Mechanical Malfunctions

Like electrical components mechanical components are subject to attack in a sanitary sewage environment and require frequent maintenance and replacement.

Report on Analysis of Past Dry Weather Overflows 1997 - 2004

Redundant mechanical systems are very difficult to provide. Therefore, an alternative to frequent maintenance and replacement may be conversion to a static regulator without moving parts.

2.5. Human Error

Although this has not been a major problem in the Fort Wayne system it should be taken into consideration when developing procedures for maintenance.

3. DWO Timing

There does not seem to be a clear pattern related to time of the year.

4. DWO Sites

4.1. J11-163

Ten DWOs have been reported at this site. They began in November 2001. The last DWO was reported in May of 2003. The DWO reports indicate that there have been blockages in the section of pipe that connects the diversion area with the regulator chamber, in the downstream siphon, in a downstream manhole, and in a section of downstream gravity sewer. All these components have been cleaned and put on a regular cleaning schedule.

In 2003 a grate was installed over the orifice to the regulator chamber. The purpose was to catch debris before it got into the downstream regulator gate and siphon. Since its installation the grate has become plugged with paper towels and shop rags. The City's industrial pretreatment group has been trying to find the source of this debris.

It is too early to determine if these actions are controlling the DWO problem at this site. Investigations are ongoing. If these actions do not satisfactorily control the overflows, a major reconstruction project may be necessary to reduce the number of DWOs that are occurring.

4.2. K15-009

Six DWOs have been reported at this site. This is one of two sites in Fort Wayne where the flow is regulated by a hydraulically operated gate connected to electronic float switches. From mid 1999 to mid 2000 this site was plagued by electrical problems that resulted in DWOs. These problems were traced to the power supplied by the local power company and seem to have been solved since there haven't been DWOs caused by electrical malfunctions since August 2000.

Report on Analysis of Past Dry Weather Overflows 1997 - 2004

4.3. P06-119

Five DWOs have been reported at this site. This is a mechanical regulator with a float operated regulator gate. All 5 DWOs were caused by debris collecting on the regulator gate and blocking the narrow passage between the diversion chamber and the regulator gate chamber. The procedures discussed in section 2.1 above should be implemented here.

4.4. L19-018

Four DWOs were reported at this site. All were reported between May and November of 1997. All were caused by bad pipe downstream of the regulator. This pipe was replaced and no DWOs have been reported since.

4.5. O10-311

Four DWOs were reported at this site. A pump station that pumps dry weather flow to the treatment plant is located at this site. If the flow exceeds what this pump station can handle it is diverted to another set of pumps that pumps the overflow into the river. There have been 3 causes of overflows at this site:

- Faulty equipment was installed during a project designed to upgrade the site's reliability. This equipment has been replaced.
- A backup power source was run to the pump stations. There was a problem with the power supplied and the automatic switch would not work properly. The quality of electrical power has since been improved by the local power company.
- Debris such as bricks and timber is getting through the screens and damaging the sanitary pumps. No solution has been found for this problem.

4.6. J03-267

Three DWOs have occurred at this site. Two of the overflows were a result of mechanical malfunctions. A float operated mechanical regulator at this site was completely rehabilitated in 1997. The regulator gate had been chained open prior to the rehabilitation. The third overflow was caused by a contractor who was testing pumps and accidentally pumped sewage in the wet well into the river.

The regulator gate is again chained open and the pump testing procedures have been modified.

4.7. O22-004

Report on Analysis of Past Dry Weather Overflows 1997 - 2004

Two DWOs have been reported at this discharge point. The first overflow probably occurred at regulator O22-139. The cause and repair were not clearly identified in the report. The second overflow probably occurred at regulator O22-001. It appears that roots had obstructed the flow in the gravity pipe downstream of the regulator. The procedures discussed in section 2.2 above should be implemented here.

4.8. K11-162

Two DWOs have been reported at this regulator. Both were caused by debris blocking the dry weather flow through the regulator. In one case a 3' diameter wooden wire spool caused the blockage. The procedures discussed in section 2.1 above should be implemented here.

4.9. M10-150

Two DWOs, 5 years apart, have been reported at this regulator. Both were caused by debris blocking the dry weather flow through the regulator. The procedures discussed in section 2.1 above should be implemented here.

5. Summary

A little over 6 DWOs per year have been reported by Fort Wayne over the past 7 years. Where specific circumstances have been identified as the cause of DWOs the problems have been corrected. Where random conditions within the collection system have caused DWOs maintenance and inspection procedures have been modified to decrease the possibility of DWOs.

The process of preventing DWOs will have to continue as long as there are regulators in the collection system. Fort Wayne should do an analysis similar to this of any new DWOs at the end of each year.

Appendix A

050

Report Date: 1/27/04

Indiana Department of Environmental Management
Office of Water Management, Dry Weather Overflow Incident Report

Instructions: Complete all parts of this form and fax it to Gary Starks, Office of Water Management, Compliance Branch at 317/232-8637.
This report will satisfy the telephone and written letter requirements of your NPDES permit.

If the overflow is causing a fish kill or other severe environmental damage report the situation to the Office of Environmental Response at: 317/232-7745.

Facility Name: Fort Wayne WWTP	County: Allen	Permit Number: IN0032191
Jeffrey A. Morris	260/427-1255	1/23/04
Individual Making Report:	Phone Number:	Overflow Date:
<u>M10-150</u>	St Mary's River	Overflow Not <u>Bypass</u>
	River/Stream	Wastewater Treatment Plant Flow

1/23/04 at 11:15 am
Dry Weather discharge observed (date/ time)

1/23/04 at 4:40 pm
Dry Weather discharge abated (date/ time)

Reason for Dry Weather discharge:
A discharge was traced upstream from outfall #M10 151 to the dam chamber that is adjacent to regulator #M10 150. A 14"x14" gate was obstructed with bricks and a fiberglass type material causing normal flow to be diverted to the river. An estimated 1,056,000 gallons were discharged into the St. Mary's river.

Previous Dry Weather discharges from this location in the last 12 months:
Zero

Actions taken to mitigate, minimize, and prevent future overflows:
Additional investigations concerning this outfall will facilitate future identification of potential blockages.

Signature: Jeffrey A. Morris
Superintendent
W.P.C.M. Ft. Wayne, IN 46803
(260) 427-1255

Report Date: 1/27/04

Indiana Department of Environmental Management
Office of Water Management, Dry Weather Overflow Incident Report

Instructions: Complete all parts of this form and fax it to Gary Starks, Office of Water Management, Compliance Branch at 317/232-8637. This report will satisfy the telephone and written letter requirements of your NPDES permit.

If the overflow is causing a fish kill or other severe environmental damage report the situation to the Office of Environmental Response at: 317/232-7745.

Facility Name: Fort Wayne WWTP County: Allen Permit Number: IN0032191
Jeffrey A. Morris 260/427-1255 1/21/04 - 1/23/04
Individual Making Report: Phone Number: Overflow Date:

010-277 Maumee River Overflow Not Bypass
River/Stream Wastewater Treatment Plant Flow

1/21/04 at 12:44 pm
Dry Weather discharge observed (date/ time)

1/23/04 at 10:48 am
Dry Weather discharge abated (date/ time)

010-277

Reason for Dry Weather discharge:
A discharge was traced down from outfall #O10 277 downstream to regulator #O10 256. Debris was found causing a blockage just upstream of the regulator (3') in the incoming pipe. Once found the blockage was removed within 2 hours. An estimated 5,520 gallons entered the Maumee river.

Previous Dry Weather discharges from this location in the last 12 months:
zero

Actions taken to mitigate, minimize, and prevent future overflows:
Additional routine inspections concerning this outfall will facilitate identification of potential blockages should one occur again.

Signature: Jeffrey A. Morris
Superintendent
W.P.C.M. Ft. Wayne, IN 46803
(260) 427-1255

Report Date: 1/22/04

Indiana Department of Environmental Management
Office of Water Management, Dry Weather Overflow Incident Report

Instructions: Complete all parts of this form and fax it to Gary Starks, Office of Water Management, Compliance Branch at 317/232-8637.
This report will satisfy the telephone and written letter requirements of your NPDES permit.

If the overflow is causing a fish kill or other severe environmental damage report the situation to the Office of Environmental Response at: 317/232-7745.

Facility Name: Fort Wayne WWTP	County: Allen	Permit Number: IN0032191
Jeffrey A. Morris	260/427-1255	1/18/04
Individual Making Report:	Phone Number:	Overflow Date:
010-311	Maumee River River/Stream	Overflow Not Bypass Wastewater Treatment Plant Flow

1/18/04 at 6:30 am
Dry Weather discharge observed (date/ time)

1/19/04 at 10:48 am
Dry Weather discharge abated (date/ time)

Reason for Dry Weather discharge:
The second pump at the Morton Street pumping station failed to engage due to a faulty breaker. Because the second pump failed to engage, the flows were diverted to a pump rated at 20,000 gpm. On 1/18/04 the pump causing the discharge only ran for one minute. On 1/19/04 the same pump ran again for one minute. The total duration of discharge lasted only two minutes for both days at an estimated 40,000 gallons.

Previous Dry Weather discharges from this location in the last 12 months:
zero

Actions taken to mitigate, minimize, and prevent future overflows:
The faulty breaker causing the second pump not to engage was replaced on 1/20/04.

Signature: Jeffrey A. Morris
Superintendent
W.P.C.M. Ft. Wayne, IN 46803
(260) 427-1255

Report Date: 8-25-03

Indiana Department of Environmental Management
Office of Water Management, Dry Weather Overflow Incident Report

Instructions: Complete all parts of this form and fax it to Gary Starks, Office of Water Management, Compliance Branch at 317/232-8637.
This report will satisfy the telephone and written letter requirements of your NPDES permit.

If the overflow is causing a fish kill or other severe environmental damage report the situation to the Office of Environmental Response at: 317/232-7745.

Facility Name: Fort Wayne WWTP County: Allen Permit Number: IN0032191

Brian W. Miller 260/427-1063 8-13-03
Individual Making Report: Phone Number: Overflow Date:

K15-116 St. Mary's Overflow Not Bypass
CSO Outfall Number River/Stream Wastewater Treatment Plant Flow

8-13-03 8:47 a.m.
Dry Weather Overflow observed (date/ time)

8-21-03 1:00 p.m.
Dry Weather Overflow abated (date/ time)

Reason for Dry Weather Overflow:

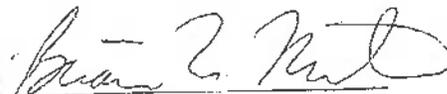
Mechanical Regulator had a debris build-up at the internal gate due to high river level and local flooding.

Previous Dry Weather Overflows from this CSO Outfall in the last 12 months:

Zero

Actions taken to mitigate, minimize, and prevent future overflows:

Notified WPC Plant of debris in regulator. WPC Plant took measures remove debris from gate and will continue to due regular inspections to mechanical regulators.

Signature: 
Sewer System Inspector
W.P.C.M. Ft. Wayne, IN 46803
(260)427-1063

CSO

Report Date: 5-27-03

Indiana Department of Environmental Management
Office of Water Management, Dry Weather Overflow Incident Report

Instructions: Complete all parts of this form and fax it to Gary Starks, Office of Water Management, Compliance Branch at 317/232-8637.
This report will satisfy the telephone and written letter requirements of your NPDES permit.

If the overflow is causing a fish kill or other severe environmental damage report the situation to the Office of Environmental Response at: 317/232-7745.

Facility Name: Fort Wayne WWTP County: Allen Permit Number: IN0032191

Brian Miller 260/427-5591
Individual Making Report: Phone Number: Overflow Date:

P06-192 Maumee Overflow Not Bypass
CSO Outfall Number River/Stream Wastewater Treatment Plant Flow

5-21-03 1:30 p.m.
Dry Weather Overflow observed (date/ time)

5-22-03 9:00 a.m.
Dry Weather Overflow abated (date/ time)

Reason for Dry Weather Overflow:

Mechanical regulator had a debris build-up at the internal gate.

Previous Dry Weather Overflows from this CSO Outfall in the last 12 months:

Zero

Actions taken to mitigate, minimize, and prevent future overflows:

Notified WPC Plant of debris in regulator. WPC Plant took corrective measures to remove debris and will continue to do routine inspections to mechanical regulators.

Signature: Brian Z. Miller
Sewer System Inspector
W.P.C.M. Ft. Wayne, IN 46803
(219)427-5591

CSO

Report Date: 05-20-03

Indiana Department of Environmental Management
Office of Water Management, Dry Weather Overflow Incident Report

Instructions:

Complete all parts of this form and fax it to Gary Starks, Office of Water Management, Compliance Branch at 317/232-8637.
This report will satisfy the telephone and written letter requirements of your NPDES permit.

If the overflow is causing a fish kill or other severe environmental damage report the situation to the Office of Environmental Response at: 317/232-7745.

Facility Name: Fort Wayne WWTP County: Allen Permit Number: IN0032191

Brian Miller 260/427-5591 05-19-03

Individual Making Report: Phone Number: Overflow Date:

J11-164 St. Mary's Overflow Not Bypass
CSO Outfall Number River/Stream Wastewater Treatment Plant Flow

05-19-03 9:23 a.m.
Dry Weather Overflow observed (date/ time)

05-19-03 1:46 p.m.
Dry Weather Overflow abated (date/ time)

Reason for Dry Weather Overflow:

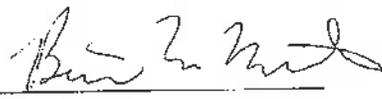
Due to extremely high river level, we were unable to gain access to the regulator structures for our routine weekly inspections. This caused a buildup of debris in the screen and line upstream from the regulator.

Previous Dry Weather Overflows from this CSO Outfall in the last 12 months:

Seven

Actions taken to mitigate, minimize, and prevent future overflows:

As soon as the river level dropped, we were able to due routine maintenance to stop the overflow

Signature: 
Sewer System Inspector
W.P.C.M. Ft. Wayne, IN 46803
(219)427-5591

Report Date: 4-17-03

Indiana Department of Environmental Management
Office of Water Management, Dry Weather Overflow Incident Report

Instructions: Complete all parts of this form and fax it to Gary Starks, Office of Water Management, Compliance Branch at 317/232-8637. This report will satisfy the telephone and written letter requirements of your NPDES permit.

If the overflow is causing a fish kill or other severe environmental damage report the situation to the Office of Environmental Response at: 317/232-7745.

Facility Name: Fort Wayne WWTP County: Allen Permit Number: IN0032191
Johnnie Robinson 219/427-5591 4-16-03
Individual Making Report: Phone Number: Overflow Date:

J11-164 St. Mary's Overflow Not Bypass
CSO Outfall Number River/Stream Wastewater Treatment Plant Flow

4-16-03 @ 08:16 a.m.
Dry Weather Overflow observed (date/ time)

4-16-03 @ 11:21 a.m.
Dry Weather Overflow abated (date/ time)

Reason for Dry Weather Overflow:
A large amount of rags were causing a stoppage in the sewer line. Industrial pre-treatment division is currently tracing down the rag source. Once identified we will stop the source from entering the collection system.

Previous Dry Weather Overflows from this CSO Outfall in the last 12 months:
SIX

Actions taken to mitigate, minimize, and prevent future overflows:
A crew removed stoppage and the WPC Plant is investigating for the source of the rags entering the system

Signature: _____
Sewer System Inspector
W.P.C.M. Ft. Wayne, IN 46803
(219)427-5591

CSO

Report Date: 02-20-03

Indiana Department of Environmental Management
Office of Water Management, Dry Weather Overflow Incident Report

Instructions:

Complete all parts of this form and fax it to Gary Starks, Office of Water Management, Compliance Branch at 317/232-8637. This report will satisfy the telephone and written letter requirements of your NPDES permit.

If the overflow is causing a fish kill or other severe environmental damage report the situation to the Office of Environmental Response at: 317/232-7745.

Facility Name: Fort Wayne WWTP County: Allen Permit Number: IN0032191
Johnnie Robinson 219/427-5591 02-19-03
Individual Making Report: Phone Number: Overflow Date:

J11-164 St. Mary's Overflow Not Bypass
CSO Outfall Number River/Stream Wastewater Treatment Plant Flow

02-19-03 @08:48 a.m.
Dry Weather Overflow observed (date/ time)

02-19-03 @ 2:00 p.m.
Dry Weather Overflow abated (date/ time)

Reason for Dry Weather Overflow:

Before we were able to fully implement a cleaning schedule for this outfall, the screen that prevents debris from entering the regulator was covered with debris and had to be cleaned.

Previous Dry Weather Overflows from this CSO Outfall in the last 12 months:

six

Actions taken to mitigate, minimize, and prevent future overflows:

A cleaning schedule has now been fully implemented and we expect to see positive results in the very near future. We will be monitoring this overflow closely and intend to televise this at the earliest opportunity to see if more improvements are necessary.

Signature: _____
Sewer System Inspector
W.P.C.M. Ft. Wayne, IN 46803
(219)427-5591

Report Date: 2-18-03

Indiana Department of Environmental Management
Office of Water Management, Dry Weather Overflow Incident Report

Instructions: Complete all parts of this form and fax it to Gary Starks, Office of Water Management, Compliance Branch at 317/232-8637.
This report will satisfy the telephone and written letter requirements of your NPDES permit.

If the overflow is causing a fish kill or other severe environmental damage report the situation to the Office of Environmental Response at: 317/232-7745.

Facility Name: Fort Wayne WWTP County: Allen Permit Number: IN0032191
Johnnie Robinson 219/427-5591 02-12-03
Individual Making Report: Phone Number: Overflow Date:

K06-298 St. Marys Overflow Not Bypass
CSO Outfall Number River/Stream Wastewater Treatment Plant Flow

02-12-03 @ 2:00 p.m.
Dry Weather Overflow observed (date/ time)

02-14-03 @ 1:35 p.m.
Dry Weather Overflow abated (date/ time)

Reason for Dry Weather Overflow:
Regulator K06-285 had a significant amount of blockage in the main line that enters the regulator.

Previous Dry Weather Overflows from this CSO Outfall in the last 12 months:
zero

Actions taken to mitigate, minimize, and prevent future overflows:
Bypass pumping began on 02-14-03. This stopped the overflow until we were able to remove the blockage on 02-17-03. We will be installing a screening device and will have to add this to our scheduled maintenance program to prevent future overflows.

Signature: _____
Sewer System Inspector
W.P.C.M. Ft. Wayne, IN 46803
(219)427-5591

Report Date: 1-20-03

Indiana Department of Environmental Management
Office of Water Management, Dry Weather Overflow Incident Report

Instructions: Complete all parts of this form and fax it to Gary Starks, Office of Water Management, Compliance Branch at 317/232-8637.
This report will satisfy the telephone and written letter requirements of your NPDES permit.

If the overflow is causing a fish kill or other severe environmental damage report the situation to the Office of Environmental Response at: 317/232-7745.

Facility Name: Fort Wayne WWTP County: Allen Permit Number: IN0032191
Johnnie Robinson 219/427-5591 1-17-03
Individual Making Report: Phone Number: Overflow Date:

J11-164 St. Mary's Overflow Not Bypass
CSO Outfall Number River/Stream Wastewater Treatment Plant Flow

1-17-03 @ 8:29 a.m.
Dry Weather Overflow observed (date/ time)
1-17-03 @ 11:45 a.m.
Dry Weather Overflow abated (date/ time)

Reason for Dry Weather Overflow:
A grate that was recently installed over an 18" line that goes to the regulator, was covered with debris.

Previous Dry Weather Overflows from this CSO in the last 12 months:
five

Actions taken to mitigate, minimize, and prevent future overflows:
We have installed a grate that catches debris, thus stopping the debris from plugging the line inside the regulator. The difficult location has prevented us from making radical changes to the regulator. (The regulator is on a steep river bank with limited access for construction equipment) The grate we have installed has minimized the overflows, but we feel that in order to eliminate the overflows, a crew will need to clean the grate in a timely manner. We are in the process of developing a routine maintenance schedule at this time.

Signature: 
Sewer System Inspector
W.P.C.M. Ft. Wayne, IN 46803

CSO

Report Date: 11-12-02

Indiana Department of Environmental Management
Office of Water Management, Dry Weather Overflow Incident Report

Instructions: Complete all parts of this form and fax it to Gary Starks, Office of Water Management, Compliance Branch at 317/232-8637.
This report will satisfy the telephone and written letter requirements of your NPDES permit.

If the overflow is causing a fish kill or other severe environmental damage report the situation to the Office of Environmental Response at: 317/232-7745.

Facility Name: Fort Wayne WWTP County: Allen Permit Number: IN0032191

Johnnie Robinson 219/427-5591 11-12-02
Individual Making Report: Phone Number: Overflow Date:

O22-002 St. Joseph River Overflow Not Bypass
CSO Outfall Number River/Stream Wastewater Treatment Plant Flow

11-12-02 @ 09:58 a.m.
Dry Weather Overflow observed (date/ time)

11-12-02 @ 10:33 a.m.
Dry Weather Overflow abated (date/ time)

Reason for Dry Weather Overflow:

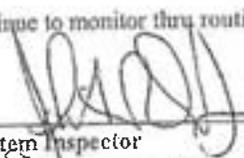
A sewer line between the regulator (O22-045) and manhole (O22-091) was partially plugged allowing flow to divert to overflow

Previous Dry Weather Overflows from this CSO Outfall in the last 12 months:

NONE

Actions taken to mitigate, minimize, and prevent future overflows:

Flushed sewer line allowing flow to return to its normal state. Will continue to monitor thru routine inspections and preventative scheduled maintenance

Signature: 
Sewer System Inspector
W.P.C.M. Ft. Wayne, IN 46803
(219)427-5591

Report Date: 10-17-02

Indiana Department of Environmental Management
Office of Water Management, Dry Weather Overflow Incident Report

Instructions: Complete all parts of this form and fax it to Gary Starks, Office of Water Management, Compliance Branch at 317/232-8637.
This report will satisfy the telephone and written letter requirements of your NPDES permit.

If the overflow is causing a fish kill or other severe environmental damage report the situation to the Office of Environmental Response at: 317/232-7745.

Facility Name: Fort Wayne WWTP County: Allen Permit Number: IN0032191
Johnnie Robinson 219/427-5591 10-16-02
Individual Making Report: Phone Number: Overflow Date:

J11-164 St. Mary's Overflow Not Bypass
CSO Outfall Number River/Stream Wastewater Treatment Plant Flow

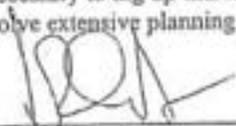
10-15-02 @8:00 p.m.
Dry Weather Overflow observed (date/ time)

10-16-02 @ 12:15 p.m.
Dry Weather Overflow abated (date/ time)

Reason for Dry Weather Overflow:
Obstruction and / or breakage in 18" line going into regulator chamber

Previous Dry Weather Overflows from this CSO Outfall in the last 12 months:
five

Actions taken to mitigate, minimize, and prevent future overflows:
By opening a small hole, we were able to stop overflow. However, it is necessary to dig up this line and repair it in the near future. It is in a very difficult location and will involve extensive planning and major construction

Signature: 
Sewer System Inspector
W.P.C.M. Ft. Wayne, IN 46803
(219)427-5591

From: "John Robinson" <CU/JAROF A>
To: CU/JAMOFB
Date sent: Thu, 17 Oct 2002 08:10:03 -0500
Subject: Indian Village regulator overflow
Copies to: WPC/CACRFA, Michele Arnold <CU/MRARFA>

Jeff,
On October 17,2002 we were opening the line at the Indian Village regulator. This has been an ongoing problem for quite some time. I believe it is time to approach engineering,and the WPC Plant to come up with a plan to repair the 18" line going into the regulator.This has overflowed five times in the last twelve months,and it isn't getting any better. Maybe with cooperation from the other departments we may be able to get it permenately fixed.This is going to require alot of thought and planning just to be able to get the equipment into position to make the repairs.

Thanks,

Johnnie

Michele Arnold

-- 1 --

Thu, 17 Oct 2002 08:25:30

Report Date: 09-30-02

Indiana Department of Environmental Management
Office of Water Management, Dry Weather Overflow Incident Report

Instructions: Complete all parts of this form and fax it to Gary Starke, Office of Water Management, Compliance Branch at 317/232-8637. This report will satisfy the telephone and written letter requirements of your NPDES permit.

If the overflow is causing a fish kill or other severe environmental damage report the situation to the Office of Environmental Response at: 317/232-7745.

Facility Name: Fort Wayne WWTP County: Allen Permit Number: IN0032191

Johnnie Robinson 219/427-5591 09-30-02
Individual Making Report: Phone Number: Overflow Date:

J03-313 St. Marys Overflow Not Bypass
CSO Outfall Number River/Stream Wastewater Treatment Plant Flow

09-30-02 @ 11:30a.m.
Dry Weather Overflow observed (date/ time)

09-30-02 @ 11:31 a.m.
Dry Weather Overflow abated (date/ time)

Reason for Dry Weather Overflow:
Contractor accidentally pumped to overflow while testing pump

Previous Dry Weather Overflows from this CSO Outfall in the last 12 months:
one

Actions taken to mitigate, minimize, and prevent future overflows:
None taken (human error)

Signature: 
Sewer System Inspector
W.P.C.M. Ft. Wayne, IN 46803
(219)427-5591

Report Date: 9-5-02

Indiana Department of Environmental Management
Office of Water Management, Dry Weather Overflow Incident Report

Instructions: Complete all parts of this form and fax it to Gary Starks, Office of Water Management, Compliance Branch at 317/232-8637. This report will satisfy the telephone and written letter requirements of your NPDES permit.

If the overflow is causing a fish kill or other severe environmental damage report the situation to the Office of Environmental Response at: 317/232-7745.

Facility Name: Fort Wayne WWTP County: Allen Permit Number: IN0032191
Johnnie Robinson 219/427-5591 8-29 thru 9-3
Individual Making Report: Phone Number: Overflow Date:

J03-313 St. Mary's Overflow Not Bypass
CSO Outfall Number River/Stream Wastewater Treatment Plant Flow

8-29-02 @ 11:43 p.m.
Dry Weather Overflow observed (date/ time)

9-3-02 @ 3:00 p.m.
Dry Weather Overflow abated (date/ time)

Reason for Dry Weather Overflow:
Flapgate inside mechanical regulator failed to function properly

Previous Dry Weather Overflows from this CSO Outfall in the last 12 months:
0

Actions taken to mitigate, minimize, and prevent future overflows:
Repairs to flapgate, and new software for computer that alerts plant of overflows

Signature: 
Sewer System Inspector
W.P.C.M. Ft. Wayne, IN 46803
(219)427-5591

CSO

Report Date: 6-17-02

Indiana Department of Environmental Management
Office of Water Management, Dry Weather Overflow Incident Report

Instructions: Complete all parts of this form and fax it to Gary Starks, Office of Water Management, Compliance Branch at 317/232-8637. This report will satisfy the telephone and written letter requirements of your NPDES permit.

If the overflow is causing a fish kill or other severe environmental damage report the situation to the Office of Environmental Response at: 317/232-7745.

Facility Name: Fort Wayne WWTP County: Allen Permit Number: IN0032191
Johnnie Robinson 219/427-5591 06-14 thru 06-17-02
Individual Making Report: Phone Number: Overflow Date:

J11-164 St. Mary's Overflow Not Bypass
CSO Outfall Number River/Stream Wastewater Treatment Plant Flow

06-14-02 @ 0800 a.m.
Dry Weather Overflow observed (date/ time)

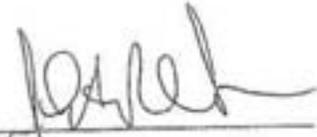
06-17-02 @ 12:35 p.m.
Dry Weather Overflow abated (date/ time)

Reason for Dry Weather Overflow:

There was a considerable amount of debris and silt in the two siphon structures, regulator chamber, and approximately 400' of 18" combination pipe. Also there is evidence of a possible cave-in on top of the line upstream of the regulator chamber

Previous Dry Weather Overflows from this CSO Outfall in the last 12 months:
four

Actions taken to mitigate, minimize, and prevent future overflows: A road was built to gain access to the downstream siphon structure, and a combination unit was used to clean the structure and 700' of 18' pipe downstream. The first 400' of pipe was over half full of silt and required two days to clean. After cleaning these, an entry was made into the regulator chamber and it was thoroughly cleaned. There was also a significant amount of dirt removed inside of the internal gate which is possibly coming from a cave-in.

Signature: 
Sewer System Inspector
W.P.C.M FT.WAYNE, IN 46803
(260) 427-5591

CSO

Report Date: 06-11-02

Indiana Department of Environmental Management
Office of Water Management, Dry Weather Overflow Incident Report

Instructions: Complete all parts of this form and fax it to Gary Starks, Office of Water Management, Compliance Branch at 317/232-8637.
This report will satisfy the telephone and written letter requirements of your NPDES permit.

If the overflow is causing a fish kill or other severe environmental damage report the situation to the Office of Environmental Response at: 317/232-7745.

Facility Name: Fort Wayne WWTP County: Allen Permit Number: IN0032191
Johnnie Robinson 219/427-5591 06-11-02
Individual Making Report: Phone Number: Overflow Date:

J11-164 St. Marys Overflow Not Bypass
CSO Outfall Number River/Stream Wastewater Treatment Plant Flow

06-11-02 @ 10:30 a.m.
Dry Weather Overflow observed (date/ time)

06-11-02 @ 12 :17 p.m.
Dry Weather Overflow abated (date/ time)

Reason for Dry Weather Overflow:

Blockage in manhole downstream of siphon from the regulator.
This is scheduled to have a road built to accommodate a combination unit to properly service this problem. (Due to heavy rainfall this area has been under water until recently)

Previous Dry Weather Overflows from this CSO Outfall in the last 12 months:
(three)

Actions taken to mitigate, minimize, and prevent future overflows:
Removed debris from manhole and flushed the siphon lines.

Signature: 
Sewer System Inspector
W.P.C.M. Ft. Wayne, IN 46803
(219)427-5591

CSO

Report Date: 5/21/02

Indiana Department of Environmental Management
Office of Water Management, Dry Weather Overflow Incident Report

Instructions: Complete all parts of this form and fax it to Gary Starks, Office of Water Management, Compliance Branch at 317/232-8637.
This report will satisfy the telephone and written letter requirements of your NPDES permit.

If the overflow is causing a fish kill or other severe environmental damage report the situation to the Office of Environmental Response at: 317/232-7745.

Facility Name: Fort Wayne WWTP	County: Allen	Permit Number: IN0032191
Jeffrey A. Morris	260/427-1255	5/14/2002
Individual Making Report:	Phone Number:	Overflow Date:

O10 252	Maumee River	3.47 MG
CSO Outfall Number	River/Stream	Wastewater Treatment Plant Flow

5/14/02 at 6:50 am
Dry Weather Overflow observed (date/ time)

5/14/02 at 8:10 am
Dry Weather Overflow abated (date/ time)

Reason for Dry Weather Overflow:

Tripped circuit breaker on the #1 sanitary pump at the Morton Street Station. Pump #2 was awaiting parts from the last overflow. A private contractor installed the parts on 5/14/02 to correct the thermo overload on pump #2. The contractor is also investigating why pump #1 tripped the circuit.

Previous Dry Weather Overflows from this CSO Outfall in the last 12 months:

One

Actions taken to mitigate, minimize, and prevent future overflows:

The City has received the parts and installed them on pump #2. Pump #1 is being trouble-shooted to determine why it tripped.

Signature: Jeffrey A. Morris
Superintendent
W.P.C.M. Ft. Wayne, IN 46803
(260) 427-1255

From: "Cheryl Cronin" <WPC/CACRFA>
Organization: City of Fort Wayne
To: Jeff Morris <CU/JAMOFB>
Date sent: Fri, 17 May 2002 14:25:22 -0500
Subject: Dry Weather Overflow

I was just informed that a dry weather discharge occurred at Morton Street pump station on 5-14-02. The start time was 6:50 a.m. and the end time was 8:10 a.m. The flow to the river in gallons is 106,495. The flow at the plant in MG in that time period was 3.47 MG. The reason for this overflow is a tripped circuit breaker on the #1 sanitary pump. Pump #2 was waiting on parts from the last overflow. The parts were installed today to correct the thermo overload on pump 2 by the contractor. The contractor is now investigating the tripped circuit today also.

Cheryl Cronin

CSO

Report Date: 5/7/02

Indiana Department of Environmental Management
Office of Water Management, Dry Weather Overflow Incident Report

Instructions: Complete all parts of this form and fax it to Gary Starks, Office of Water Management, Compliance Branch at 317/232-8637.
This report will satisfy the telephone and written letter requirements of your NPDES permit.

If the overflow is causing a fish kill or other severe environmental damage report the situation to the Office of Environmental Response at: 317/232-7745.

Facility Name: Fort Wayne WWTP County: Allen Permit Number: IN0032191
Jeffrey A. Morris 260/427-1255 5/4/2002
Individual Making Report: Phone Number: Overflow Date:

O10 252 Maumee River 5.624 MGD
CSO Outfall Number River/Stream Wastewater Treatment Plant Flow

5/4/02 at 4:20 pm
Dry Weather Overflow observed (date/ time)

5/4/02 at 6:20 pm
Dry Weather Overflow abated (date/ time)

Reason for Dry Weather Overflow:

Main power source failure at the Morton Street Pump Station. When the pump station transferred the power to the secondary supply it appeared to be unbalanced causing the breakers to trip. Because of this, a storm pump activated several times before the secondary power stabilized itself enough to operate the sanitary pumps.

Previous Dry Weather Overflows from this CSO Outfall in the last 12 months:
None

Actions taken to mitigate, minimize, and prevent future overflows:
The WWTP is working with the power company (AEP) in getting the secondary power supply balanced enough to engage properly.

Signature: Jeffrey A. Morris
Superintendent
W.P.C.M. Ft. Wayne, IN 46803
(260) 427-1255

CSO

Report Date: 3-11-02

Indiana Department of Environmental Management
Office of Water Management, Dry Weather Overflow Incident Report

Instructions: Complete all parts of this form and fax it to Gary Starks, Office of Water Management, Compliance Branch at 317/232-8637. This report will satisfy the telephone and written letter requirements of your NPDES permit.

If the overflow is causing a fish kill or other severe environmental damage report the situation to the Office of Environmental Response at: 317/232-7745.

Facility Name: Fort Wayne WWTP County: Allen Permit Number: IN0032191

Johnnie Robinson 219/427-5591 3-11-02
Individual Making Report: Phone Number: Overflow Date:

J11-164 St. Mary's Overflow Not Bypass
CSO Outfall Number River/Stream Wastewater Treatment Plant Flow

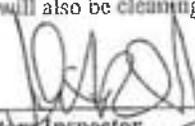
03-11-02 @ 0838 a.m.
Dry Weather Overflow observed (date/ time)

03-11-02 @ 1:00 p.m.
Dry Weather Overflow abated (date/ time)

Reason for Dry Weather Overflow:
Debris blocking siphon line downstream of regulator.

Previous Dry Weather Overflows from this CSO Outfall in the last 12 months:
(Two)

Actions taken to mitigate, minimize, and prevent future overflows:
Removed debris from upstream side of siphon lines (both barrels) . We will also be cleaning the siphon lines as soon as we can make it accessible for a vehicle.

Signature: 
Sewer System Inspector
W.P.C.M. Ft. Wayne, IN 46803
(219)427-5591

CSO

Report Date: 3-7-02

Indiana Department of Environmental Management
Office of Water Management, Dry Weather Overflow Incident Report

Instructions: Complete all parts of this form and fax it to Gary Starks, Office of Water Management, Compliance Branch at 317/232-8637.
This report will satisfy the telephone and written letter requirements of your NPDES permit.

If the overflow is causing a fish kill or other severe environmental damage report the situation to the Office of Environmental Response at: 317/232-7745.

Facility Name: Fort Wayne WWTP County: Allen Permit Number: IN0032191

Johnnie Robinson 219/427-5591 03-06-02
Individual Making Report: Phone Number: Overflow Date:

J11-164 St. Marys Overflow Not Bypass
CSO Outfall Number River/Stream Wastewater Treatment Plant Flow

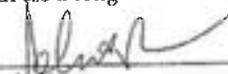
03-06-02 @ 0815 a.m.
Dry Weather Overflow observed (date/ time)

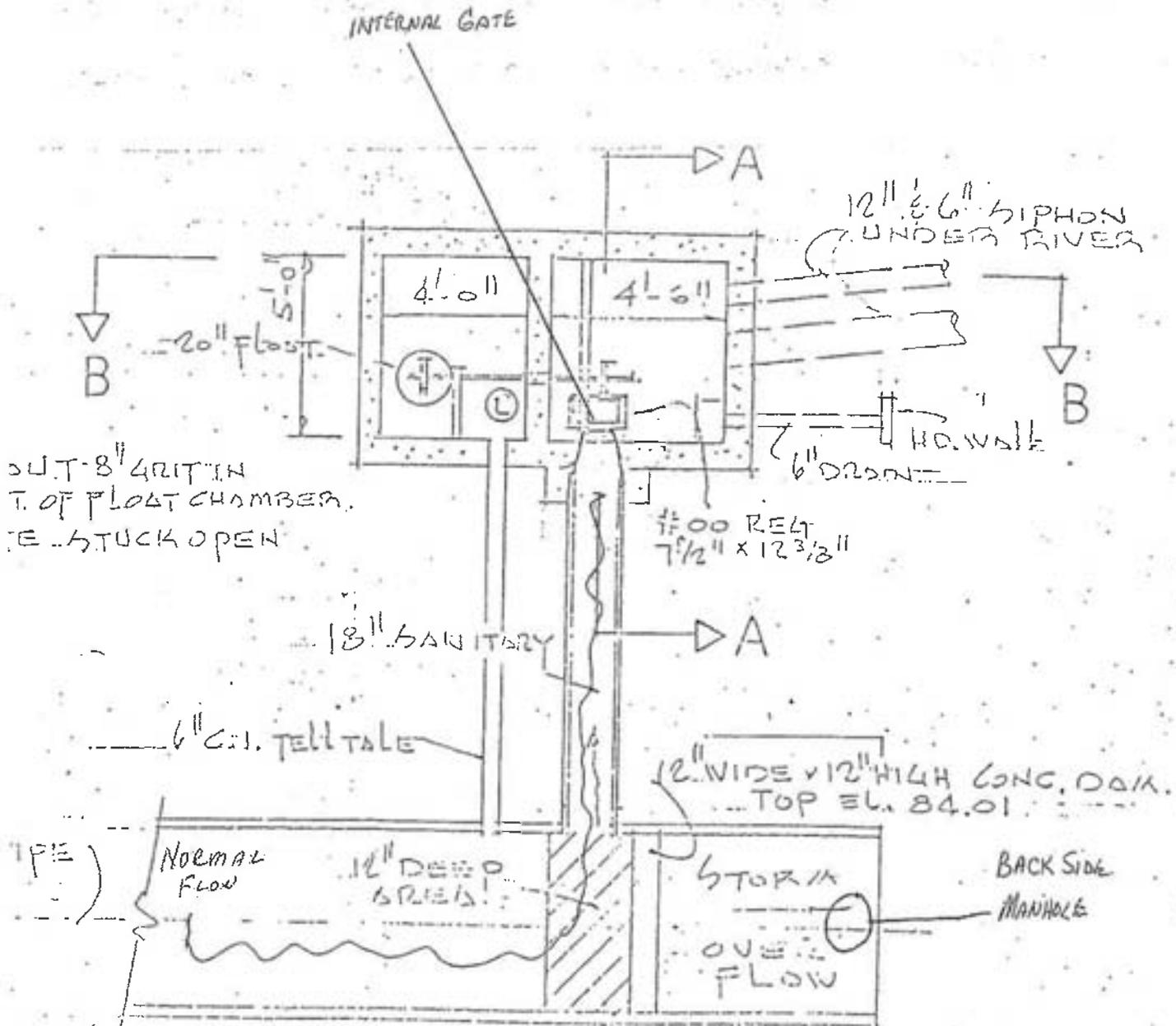
03-06-02 @ 2:09 p.m.
Dry Weather Overflow abated (date/ time)

Reason for Dry Weather Overflow:
Blockage in line entering regulator.

Previous Dry Weather Overflows from this CSO Outfall in the last 12 months:
(one)

Actions taken to mitigate, minimize, and prevent future overflows:
This problem is in a very difficult location and we are in the process of trying to eliminate some equipment as noted in the previous report dated 11-06-02. We removed a small amount of roots and some debris on 3-6-02. This stopped the overflow but we need to address a long term solution.

Signature: 
Sewer System Inspector
W.P.C.M. Ft. Wayne, IN 46803
(219)427-5591



AS YOU CAN SEE THE PIPE NARROWS AT THE INTERNAL GATE. WE BELIEVE THE OPENING IS SMALLER THAN THE PIPE MAKING IT VERY DIFFICULT TO GET THROUGH FROM THE BACK SIDE. WE HAVE TRIED TO OPEN FROM THE INTERNAL GATE SIDE BUT THE GATE ITSELF PREVENTED US FROM DOING SO. COULD THE PLANT REMOVE THE GATE? THIS IS ALOT CLOSER TO THE PROBLEM AND WE COULD POSSIBLY SEE IT AND IDENTIFY THE ACTUAL PROBLEM.

From: "Jeff Morris" <CU/JAMOFB>
To: WPC/BSPAFA (Brian Panzer)
Date sent: Tue, 5 Feb 2002 08:16:09 -0500
Subject: (Fwd) INDIAN VILLAGE REGULATOR
Copies to: CU/JAROFA (John Robinson)

Brian could you look into this and see if removing the flapgate is possible. We are in this structure on average 3 times a year removing the debris from around the gate.

Let me know if anything can be done. Thanks...

----- Forwarded message follows -----

From: "John Robinson" <CU/JAROFA>
To: CU/JAMOFB
Date sent: Mon, 26 Nov 2001 13:58:57 -0500
Subject: INDIAN VILLAGE REGULATOR

Jeff,

We are having a problem cleaning the eighteen inch line that enters the regulator. Gary assisted me the last time we cleaned it and we think that if we could get the plant to remove the gate inside of the chamber we can clean it better. It seems as though we clean it just enough to open the line but it eventually clogs back up. I'm concerned this could be a problem with IDEM in the future if we don't get it cleaned properly. The SIP number is J11-164. Could you please check with Brian Panzer and see if it is possible to do this.

Thanks,
Johnnie

----- End of forwarded message -----

CSO

Report Date: 11-06-01

Indiana Department of Environmental Management
Office of Water Management, Dry Weather Overflow Incident Report

Instructions:

Complete all parts of this form and fax it to Gary Starks, Office of Water Management, Compliance Branch at 317/232-8637.
This report will satisfy the telephone and written letter requirements of your NPDES permit.

If the overflow is causing a fish kill or other severe environmental damage report the situation to the Office of Environmental Response at: 317/232-7745.

Facility Name: Fort Wayne WWTP	County: Allen	Permit Number: IN0032191
Johmie A. Robinson Jr.	219/427-5591	11-06-01
Individual Making Report:	Phone Number:	Overflow Date:

111-164	St. Mary's River	Overflow Not Bypass
CSO Outfall Number	River/Stream	Wastewater Treatment Plant Flow

11-06-01 @ 08:00 a.m.

 Dry Weather Overflow observed (date/ time)

11-06-01 @ 12:00 p.m.

 Dry Weather Overflow abated (date/ time)

Reason for Dry Weather Overflow:

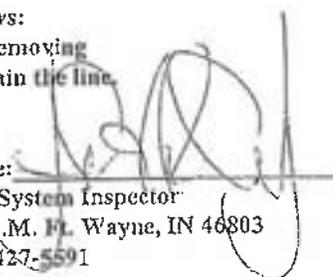
Blockage in line entering the regulator

Previous Dry Weather Overflows from this CSO Outfall in the last 12 months:

None

Actions taken to mitigate, minimize, and prevent future overflows:

Removed blockage with auger, also looking into possibility of removing internal flapgate that is not functioning so we can better maintain the line.

Signature: 
 Sewer System Inspector
 W.P.C.M. Ft. Wayne, IN 46803
 (219)427-5591

CSO

Report Date:

Indiana Department of Environmental Management
Office of Water Management, Dry Weather Overflow Incident Report

Instructions: Complete all parts of this form and fax it to Gary Starks, Office of Water Management, Compliance Branch at 317/232-8637.
This report will satisfy the telephone and written letter requirements of your NPDES permit.

If the overflow is causing a fish kill or other severe environmental damage report the situation to the Office of Environmental Response at: 317/232-7745.

Facility Name: Fort Wayne WWTP County: Allen Permit Number: IN0032191
Cheryl Cronin 219-4271243 11-1-01
Individual Making Report: Phone Number: Overflow Date:

010-252 Maumee River 2 Million Gallons
CSO Outfall Number River/Stream Wastewater Treatment Plant Flow

11-1-01 12:30 a.m.
Dry Weather Overflow observed (date/ time)

11-1-01 2:00a.m.
Dry Weather Overflow abated (date/ time)

Reason for Dry Weather Overflow: Sanitary pump failure

Previous Dry Weather Overflows from this CSO Outfall in the last 12 months:
none

Actions taken to mitigate, minimize, and prevent future overflows:

Contractor will install a back-up pump in the next few weeks. This is a transition period at this outfall because we are replacing the pumps.

Signature: Cheryl Cronin
Sewer System Inspector
W.P.C.M. Ft. Wayne, IN 46803

CSO

Report Date:

Indiana Department of Environmental Management
Office of Water Management, Dry Weather Overflow Incident Report

Instructions: Complete all parts of this form and fax it to Gary Starks, Office of Water Management, Compliance Branch at 317/232-8637.
This report will satisfy the telephone and written letter requirements of your NPDES permit.

If the overflow is causing a fish kill or other severe environmental damage report the situation to the Office of Environmental Response at: 317/232-7745.

Facility Name: Fort Wayne WWTP County: Allen Permit Number: IN0032191
Johnnie Robinson 219/427-5591 8-01-01
Individual Making Report: Phone Number: Overflow Date:

K06-234 St. Mary's Overflow Not Bypass
CSO Outfall Number River/Stream Wastewater Treatment Plant Flow

08-01-01 @ 3:00 p.m.
Dry Weather Overflow observed (date/ time)

08-02-01 @10:00 a.m.
Dry Weather Overflow abated (date/ time)

Reason for Dry Weather Overflow:
Blockage in gate at regulator K06-275

Previous Dry Weather Overflows from this CSO Outfall in the last 12 months:
0

Actions taken to mitigate, minimize, and prevent future overflows:
.Removed blockage. Will continue routine inspections

Signature: _____
Sewer System Inspector
W.P.C.M. Ft. Wayne, IN 46803
(219)427-5591

CSO

Report Date: 08-01-00

Indiana Department of Environmental Management
Office of Water Management, Dry Weather Overflow Incident Report

Instructions: Complete all parts of this form and fax it to Gary Starks, Office of Water Management, Compliance Branch at 317/232-8637.
This report will satisfy the telephone and written letter requirements of your NPDES permit.

If the overflow is causing a fish kill or other severe environmental damage report the situation to the Office of Environmental Response at: 317/232-7745.

Facility Name: Fort Wayne WWTP County: Allen Permit Number: IN0032191

Johnnie A. Robinson 219/427-5591 08-01-00
Individual Making Report: Phone Number: Overflow Date:

K15-116 St. Mary's Overflow Not Bypass
CSO Outfall Number River/Stream Wastewater Treatment Plant Flow

08-01-00 @ 8:32 a.m.
Dry Weather Overflow observed (date/ time)

08-01-00 @ 9:46 a.m.
Dry Weather Overflow abated (date/ time)

Reason for Dry Weather Overflow:

Loss of power to mechanical regulator (*blown fuse*)

Previous Dry Weather Overflows from this CSO Outfall in the last 12 months:

FIVE

Actions taken to mitigate, minimize, and prevent future overflows:

Cause for blown fuses is unknown at this time. Plant personnel have checked circuits and found nothing wrong. Problem may be at the utility pole. They are advising AEP of this possibility.

Signature: *Johnnie Robinson*
Sewer System Inspector
W.P.C.M. Ft. Wayne, IN 46803

CSO

Report Date: 03-09-00

Indiana Department of Environmental Management
Office of Water Management, Dry Weather Overflow Incident Report

Instructions: Complete all parts of this form and fax it to Gary Starks, Office of Water Management, Compliance Branch at 317/232-8637.
This report will satisfy the telephone and written letter requirements of your NPDES permit.

If the overflow is causing a fish kill or other severe environmental damage report the situation to the Office of Environmental Response at: 317/232-7745.

Facility Name: Fort Wayne WWTP County: Allen Permit Number: IN0032191

Craig Kankovsky 219/427-5591 03-07-00

Individual Making Report: Phone Number: Overflow Date:

K15-116 St. Mary's River CSO-DWO NOT BY-PASS
CSO Outfall Number River/Stream Wastewater Treatment Plant Flow

03-07-00 11:45 A.M.
Dry Weather Overflow observed (date/ time)

03-07-00 12:30 P.M.
Dry Weather Overflow abated (date/ time)

Reason for Dry Weather Overflow: Blown fuse in mechanical regulator.

Previous Dry Weather Overflows from this CSO Outfall in the last 12 months: FOUR

Actions taken to mitigate, minimize, and prevent future overflows: WPCP is having electrician check for poor connections (shorts) that may cause the fuses to blow.

Signature: Craig H. Kankovsky SSI
Sewer System Inspector
W.P.C.M. Ft. Wayne, IN 46803
CSO
office

TX# 1947
3-9-00
9:54am

FCR # 1662
11:35 AM
12-9-99

Report Date: 12-09-99

CSO

Indiana Department of Environmental Management
Office of Water Management, Dry Weather Overflow Incident Report

Instructions: Complete all parts of this form and fax it to Gary Starks, Office of Water Management, Compliance Branch at 317/232-8637.
This report will satisfy the telephone and written letter requirements of your NPDES permit.

If the overflow is causing a fish kill or other severe environmental damage report the situation to the Office of Environmental Response at: 317/232-7745.

Facility Name: Fort Wayne WWTP County: Allen Permit Number: IN0032191
Craig Kankovsky 219/427-5591 12-08-99
Individual Making Report: Phone Number: Overflow Date:

K15-116 St. Mary's River DWO
CSO Outfall Number River/Stream Wastewater Treatment Plant Flow

12-08-99 9:40 a.m.
Dry Weather Overflow observed (date/ time)

12-08-99 12:45 p.m.
Dry Weather Overflow abated (date/ time)

Reason for Dry Weather Overflow: ELECTRICAL PROBLEM CORRECTED BY THE PLANT.

Previous Dry Weather Overflows from this CSO Outfall in the last 12 months: ONE

Actions taken to mitigate, minimize, and prevent future overflows: AS DETERMINED BY PLANT ELECTRICIAN.

Signature: _____

FAX # 1653
12-8-99 Approx 8:20 AM

CSO

Report Date: 12-06-99

Indiana Department of Environmental Management
Office of Water Management, Dry Weather Overflow Incident Report

Instructions: Complete all parts of this form and fax it to Gary Starks, Office of Water Management, Compliance Branch at 317/232-8637.
This report will satisfy the telephone and written letter requirements of your NPDES permit.

If the overflow is causing a fish kill or other severe environmental damage report the situation to the Office of Environmental Response at: 317/232-7745.

Facility Name: Fort Wayne WWTP County: Allen Permit Number: IN0032191

219/427-5591

Individual Making Report:	Phone Number:	Overflow Date:
Craig H. Kankovsky	1-219-427-5591	12-02-99

CSO Outfall Number	River/Stream	Wastewater Treatment Plant Flow
M10-151	St. Mary's River	CSO OVERFLOW

Dry Weather Overflow observed (date/ time)
12-02-99 10:00 a.m.

Dry Weather Overflow abated (date/ time)
12-02-99 6:00 p.m.

Reason for Dry Weather Overflow:
Blockage in Regulator, cleared by WPCP

Previous Dry Weather Overflows from this CSO Outfall in the last 12 months:
NONE

Actions taken to mitigate, minimize, and prevent future overflows:
Similar situations could occur at anytime, shall continue with regular inspections.

Signature:



CSO
Not Approved

Report Date: 8-2-99

Indiana Department of Environmental Management
Office of Water Management, Dry Weather Overflow Incident Report

Instructions:

Complete all parts of this form and fax it to Gary Starks, Office of Water Management, Compliance Branch at 317/232-8637.
This report will satisfy the telephone and written letter requirements of your NPDES permit.

If the overflow is causing a fish kill or other severe environmental damage report the situation to the Office of Environmental Response at: 317/232-7745.

Facility Name: Fort Wayne WWTP County: Allen Permit Number: IN0032191

Johnnie Robinson 219/427-5591 8-2-99
Individual Making Report: Phone Number: Overflow Date:

P06-102¹⁹² Maumee River Overflow / Not Bypass
CSO Outfall Number River/Stream Wastewater Treatment Plant Flow

8-2-99 @ 10:42 a.m.
Dry Weather Overflow observed (date/ time)

8-2-99 @ 11:22 a.m.
Dry Weather Overflow abated (date/ time)

Reason for Dry Weather Overflow:

Internal flapgate clogged with debris

Previous Dry Weather Overflows from this CSO Outfall in the last 12 months:
one on 2-18-99

Actions taken to mitigate, minimize, and prevent future overflows:

Routine cleaning and inspections

Signature 

150

Report Date: 7-22-99

Indiana Department of Environmental Management
Office of Water Management, Dry Weather Overflow Incident Report

Instructions: Complete all parts of this form and fax it to Gary Starks, Office of Water Management, Compliance Branch at 317/232-8637.
This report will satisfy the telephone and written letter requirements of your NPDES permit.

If the overflow is causing a fish kill or other severe environmental damage report the situation to the Office of Environmental Response at: 317/232-7745.

Facility Name: Fort Wayne WWTP County: Allen Permit Number: IN0032191
Johnnie Robinson 219/427-5591 7-22-99
Individual Making Report: Phone Number: Overflow Date:

K15-116 St. Marys Overflow Not Bypass
CSO Outfall Number River/Stream Wastewater Treatment Plant Flow

7-22-99 @ 8:00 a.m.
Dry Weather Overflow observed (date/ time)

7-22-99 @ 9:00 a.m.
Dry Weather Overflow abated (date/ time)

Reason for Dry Weather Overflow:
Relay switch malfunctioning in mechanical regulator

Previous Dry Weather Overflows from this CSO Outfall in the last 12 months:
6-21-99 same problem

Actions taken to mitigate, minimize, and prevent future overflows:
WPC plant replaced relay with new

Signature: 

CSO

Report Date: 6-29-99

Indiana Department of Environmental Management
Office of Water Management, Dry Weather Overflow Incident Report

Instructions: Complete all parts of this form and fax it to Gary Starks, Office of Water Management, Compliance Branch at 317/232-8637.
This report will satisfy the telephone and written letter requirements of your NPDES permit.

If the overflow is causing a fish kill or other severe environmental damage report the situation to the Office of Environmental Response at: 317/232-7745.

Facility Name: Fort Wayne WWTP County: Allen Permit Number: IN0032191

Johanie A. Robinson Jr. 219/427-5591 6-21-99
Individual Making Report: Phone Number: Overflow Date:

K115-116 St. Marys Overflow / Not a bypass
CSO Outfall Number River/Stream Wastewater Treatment Plant Flow

6-21-99 at 0900 hours
Dry Weather Overflow observed (date/ time)

6-21-99 at 1235 hours
Dry Weather Overflow abated (date/ time)

Reason for Dry Weather Overflow:
Temporary power failure at mechanical regulator

Previous Dry Weather Overflows from this CSO Outfall in the last 12 months:
0

Actions taken to mitigate, minimize, and prevent future overflows:
None taken, power failure caused by Mother Nature

Signature: _____

CSO/PASSIVE REGULATOR INSPECTION CHECKLIST

Date: 2-18-99 Rainfall 0.00 in last 24 hours.

Sip#	Overflowing		Flapgate Reg.	Time	Location
	Yes	No			
R14-137	—	✓	N/FG	<u>1209</u>	25' W of Arby's lot @
R14-138	—	✓	FG	<u>1210</u>	State & Laverne Ditch
S18-082	—	✓	REG	<u>1215</u>	State & Coliseum
O10-097	—	✓	N/FG	<u>1232</u>	100' SE of Morton Pump Station
O10-252	—	✓	FG	<u>1233</u>	100' SW of Morton Pump Station
O10-273	—	✓	REG	<u>1240</u>	500 Coombs St. @ CAJ Food
O10-277	—	✓	FG	<u>1242</u>	50' N of REG O10-273
O10-257	—	✓	FG	<u>1245</u>	300' S at end of Griffen St.
P06-192	✓	—	FG	<u>1248</u>	Under Anthony St. Bridge N of Berry S bank
N06-022	—	✓	N/FG	<u>1256</u>	120' N of Hanna & Berry
M10-238	—	✓	FG	<u>102</u>	E of bridge @ Spy Run & Superior N bank

- S.O. R. S form write

Comments: P06-192 - LIGHT out call - Phoned WPCP
Panzer to have crew check Regulator 2-18-99
(Corrected 2-19-99, blockage in Reg.)

CSO

Report Date: 11-17-98

Indiana Department of Environmental Management
Office of Water Management, Dry Weather Overflow Incident Report

Instructions: Complete all parts of this form and fax it to Gary Starks, Office of Water Management, Compliance Branch at 317/232-8632. This report will satisfy the telephone and written letter requirements of your NPDES permit.

If the overflow is causing a fish kill or other severe environmental damage report the situation to the Office of Environmental Response at: 317/232-7745. *NOTE: 03 SEVERE?*

Facility Name: Fort Wayne WWTP County: Allen Permit Number: IN0032191
Individual Making Report: PRAG KANKORSKY 219/427-5591 Phone Number: 11-9-98 Overflow Date:

CSO Outfall Number: P16-192 River/Stream: MAUMEE Wastewater Treatment Plant flow: OVERFLOW / NOT BYPASS

Dry Weather Overflow observed (date/time): 11-9-98 10:30 AM

Dry Weather Overflow abated (date/time): 11-16-98 1:15 P.M.

Reason for Dry Weather Overflow: CSO REGULATOR LOCATED AT ANTHONY/WAYNE ST. WAS PLUGGED OBSTRUCTION WAS CLEARED BY WPC PLANT UPON ENTRY.

Previous Dry Weather Overflows from this CSO Outfall in the last 12 months:

0

Actions taken to mitigate, minimize, and prevent future overflows: ROUTINE INSPECTIONS BY WPCW OF OUTFALLS ROUTINE INSPECTIONS OF REGULATORS AND CLEANING

Signature: [Handwritten Signature]

CSO

Report Date: 11-10-98

Indiana Department of Environmental Management
Office of Water Management, Dry Weather Overflow Incident Report

Instructions: Complete all parts of this form and fax it to Gary Starks, Office of Water Management, Compliance Branch at 317/232-8637. This report will satisfy the telephone and written letter requirements of your NPDES permit.

If the overflow is causing a fish kill or other severe environmental damage report the situation to the Office of Environmental Response at: 317/232-7745.

Facility Name: Fort Wayne WWTP County: Allen Permit Number: IN0032191

John W. Robinson 219/427-5591 11-9-98
Individual Making Report: Phone Number: Overflow Date:

P06-192 MAUMK
CSO Outfall Number River/Stream Wastewater Treatment Plant Flow

11-9-98 @ 10:30 am
Dry Weather Overflow observed (date/ time)

11-10-98 11:00 am
Dry Weather Overflow abated (date/ time)

Reason for Dry Weather Overflow:
DEBRIS IN FEED CHAMBER

Previous Dry Weather Overflows from this CSO Outfall in the last 12 months:
0

Actions taken to mitigate, minimize, and prevent future overflows:
ROUTINE CLEANING OF REGULATOR CHAMBERS
By WPCP

Signature: [Signature]
Sewer System Inspector
W.P.C.M. Ft. Wayne, IN 46803
(219)427-5591

Report Date: 11-9-98

Indiana Department of Environmental Management
Office of Water Management, Dry Weather Overflow Incident Report

Instructions: Complete all parts of this form and fax it to Gary Starks, Office of Water Management, Compliance Branch at 317/232-8637.
This report will satisfy the telephone and written letter requirements of your NPDES permit.

If the overflow is causing a fish kill or other severe environmental damage report the situation to the Office of Environmental Response at: 317/232-7745.

Facility Name: Port Wayne WWTP County: Allen Permit Number: IN0032191

CRAIG KANKOVSKY 219/427-5591 11-9-98
Individual Making Report: Phone Number: Overflow Date:

PO6-192 MAUMEE OVERFLOW/NOT BYPASS
CSO Outfall Number River/Stream Wastewater Treatment Plant Flow

11-9-98 10 30 AM
Dry Weather Overflow observed (date/ time)

WILL NOTIFY
Dry Weather Overflow abated (date/ time)

Reason for Dry Weather Overflow:

UNKNOWN AT THIS TIME
POSSIBLE REGULATOR PROBLEM

Previous Dry Weather Overflows from this CSO Outfall in the last 12 months:

0

Actions taken to mitigate, minimize, and prevent future overflows:

NOTIFIED PLANT MGMT. OF OVERFLOW PROBLEM.

Signature: Ckankovsky

CSO

Report Date: 10-6-98

Indiana Department of Environmental Management
Office of Water Management, Dry Weather Overflow Incident Report

Instructions: Complete all parts of this form and fax it to Gary Starks, Office of Water Management, Compliance Branch at 317/232-8637.
This report will satisfy the telephone and written letter requirements of your NPDES permit.

If the overflow is causing a fish kill or other severe environmental damage report the situation to the Office of Environmental Response at: 317/232-7745.

Facility Name: Fort Wayne WWTP County: Allen Permit Number: IN0032191
JOHNNIE ROBINSON 219/427-5591 10-5-98
Individual Making Report: Phone Number: Overflow Date:

K03-092 St Marys
CSO Outfall Number River/Stream Wastewater Treatment Plant Flow

10-5-98 @ 9:25 am
Dry Weather Overflow observed (date/time)

10-6-98 @ 11:00 am
Dry Weather Overflow abated (date/time)

Reason for Dry Weather Overflow:

FLOATS NOT ADJUSTED PROPERLY IN CHAMBER
CAUSING DISCHARGE TO RIVER

Previous Dry Weather Overflows from this CSO Outfall in the last 12 months:

0

Actions taken to mitigate, minimize, and prevent future overflows:

FLOATS WERE ADJUSTED AND ARE
FUNCTIONING PROPERLY

Signature: 
Sewer System Inspector
W.P.C.M. Ft. Wayne, IN 46803
(219)427-5591

Report Date: 10-5-98

Indiana Department of Environmental Management
Office of Water Management, Dry Weather Overflow Incident Report

Instructions: Complete all parts of this form and fax it to Gary Starks, Office of Water Management, Compliance Branch at 317/232-8637.
This report will satisfy the telephone and written letter requirements of your NPDES permit.

If the overflow is causing a fish kill or other severe environmental damage report the situation to the Office of Environmental Response at: 317/232-7745.

Facility Name: Fort Wayne WWTP County: Allen Permit Number: IN0032191

JOHNNIE ROBINSON 219/427-5591 10-5-98
Individual Making Report Phone Number: Overflow Date:

K03-092 ST. MARYS
CSO Outfall Number River/Stream Wastewater Treatment Plant Flow

10-5-98 @ 9:25 A.M.
Dry Weather Overflow observed (date/time)

WILL NOTIFY
Dry Weather Overflow abated (date/time)

Reason for Dry Weather Overflow:

BELIEVED TO BE PROBLEM WITH REGULATOR CONTROLS, NOTIFIED TREATMENT PLANT @ 9:18 AM.

Previous Dry Weather Overflows from this CSO Outfall in the last 12 months:

0

Actions taken to mitigate, minimize, and prevent future overflows:

Signature: 

CSO

Report Date: 3-5-98

Indiana Department of Environmental Management
Office of Water Management, Dry Weather Overflow Incident Report

Instructions: Complete all parts of this form and fax it to Gary Starks, Office of Water Management, Compliance Branch at 317/232-8637.
This report will satisfy the telephone and written letter requirements of your NPDES permit.

If the overflow is causing a fish kill or other severe environmental damage report the situation to the Office of Environmental Response at: 317/232-7745.

Facility Name: Fort Wayne WWTP County: Allen Permit Number: IN0032191
JOHNNIE ROBINSON 2191427-5591 3-5-98
Individual Making Report: Phone Number: Overflow Date:

K07-176 ST. MARYS OVERFLOW NOT BYPASS
CSO Outfall Number River/Stream Wastewater Treatment Plant Flow

3-5-98 12:00 pm
Dry Weather Overflow observed (date/ time)

3-5-98 1:30 pm
Dry Weather Overflow abated (date/ time)

Reason for Dry Weather Overflow:
FLOAT STUCK IN REGULATOR CAUSING GATE TO REMAIN SHUT

Previous Dry Weather Overflows from this CSO Outfall in the last 12 months:
N/A

Actions taken to mitigate, minimize, and prevent future overflows:
NOTIFIED WWTP TO LUBRICATE APPROPRIATE FITTINGS

Signature: 

Report Date: 1-29-98

Indiana Department of Environmental Management
Office of Water Management, Dry Weather Overflow Incident Report

Instructions:

Complete all parts of this form and fax it to Gary Starks, Office of Water Management, Compliance Branch at 317/232-8637.
This report will satisfy the telephone and written letter requirements of your NPDES permit.

If the overflow is causing a fish kill or other severe environmental damage report the situation to the Office of Environmental Response at: 317/232-7745.

Facility Name: Fort Wayne WWTP County: Allen Permit Number: IN0032191

CRAIG H. KANKOVSKY 219/427-5591 1-27-98
Individual Making Report: () Phone Number: Overflow Date:

K 11 165 ST. MARYS CSO OVERFLOW
CSO Outfall Number () River/Stream Wastewater Treatment Plant Flow

1-27-98 9:50 AM
Dry Weather Overflow observed (date/time)

1-29-98 8:30 AM
Dry Weather Overflow abated (date/time)

Reason for Dry Weather Overflow:

3' DIA, WOODEN WIRE SPOOL BLOCKING ONE OF TWO NORMAL FLOW LINES TO INTERCEPTOR IN MECHANICAL REGULATOR, CLEARED BY WPC PLANT CREW

Previous Dry Weather Overflows from this CSO Outfall in the last 12 months:

NONE OBSERVED

Actions taken to mitigate, minimize, and prevent future overflows:

REGULAR OUTFALL INSPECTIONS

Signature: Craig H. Kankovsky

CSO

Report Date: 1-28-98

Indiana Department of Environmental Management
Office of Water Management, Dry Weather Overflow Incident Report

Instructions: Complete all parts of this form and fax it to Gary Starks, Office of Water Management, Compliance Branch at 317/232-8637.
This report will satisfy the telephone and written letter requirements of your NPDES permit.

NONE OBSERVED
If the overflow is causing a fish kill or other severe environmental damage report the situation to the Office of Environmental Response at: 317/232-7745.

Facility Name: Fort Wayne WWTP County: Allen Permit Number: IN0032191

CRAIG A. KANKOVSKY 219/427-5591 1-27-98
Individual Making Report: Phone Number: Overflow Date:

K-11-165 St Marys CSO OVERFLOW
CSO Outfall Number River/Stream Wastewater Treatment Plant Flow

1-27-98 9:50 AM
Dry Weather Overflow observed (date/time)

WILL NOTIFY
Dry Weather Overflow abated (date/time)

Reason for Dry Weather Overflow:
POSSIBLE RESTRICTION IN MECHANICAL REGULATOR # K11-163, referring to PLANT (WPC) to CHECK AND CLEAN AS NECESSARY

OUTFALL IS FROM 126" LINE, SNOW MELT IS CONTRIBUTING TO SITUATION
Previous Dry Weather Overflows from this CSO Outfall in the last 12 months:

NONE OBSERVED

Actions taken to mitigate, minimize, and prevent future overflows:

Signature: Craig Kankovsky

Report Date: 12-3-97

Indiana Department of Environmental Management
Office of Water Management, Bypass/Overflow Incident Report

Instructions: Complete all parts of this form and fax it to Gary Starks, Office of Water Management, Compliance Branch at (317) 232-8637.
This report will satisfy the telephone and written letter requirements of your NPDES permit.

If the bypass is resulting in a fish kill or other severe environmental damage report the release to the Office of Emergency Response at: (317) 233-7745.

Facility Name: FT. WAYNE WWTP County: ALLEN Permit Number: 1N0032191
427-1255

CSO CRAIG KANKOVSKY 219-427-5591 OVERFLOW
Individual Making Report: 0 Phone Number: 427-1255 Bypass Date:
12-2-97 1:30 PM + NONE NOTED

Duration, Start/Stop Time: OVERFLOW Gallons: Aquatic Life Killed ?/Stream

Wastewater Treatment Plant Flow during bypass (MGD):

Reason For Release:

ROOTS IN NORMAL FLOW LINE
HAD HYDRAULIC SEWER JET RUN
ROOT SAW IN 10" LINE
STOPPED OVERFLOW

Actions Taken To Prevent, Minimize or Mitigate Damage:

HAS BEEN PUT IN JOB TICKET COMPUTER
FOR REGULAR MAINTENANCE

Signature: Craig Kankovsky

USD

Report Date: 12-1-97

Indiana Department of Environmental Management Office of Water Management, Bypass/Overflow Incident Report

Instructions: Complete all parts of this form and fax it to Gary Starks, Office of Water Management, Compliance Branch at (317) 232-8637.
This report will satisfy the telephone and written letter requirements of your NPDES permit.

If the bypass is resulting in a fish kill or other severe environmental damage report the release to the Office of Emergency Response at: (317) 233-7745.

Facility Name: <u>FORT WAYNE WWT^P</u>	County: <u>ALLEN</u> <u>OR 7255</u>	Permit Number: <u>IN 0032191</u>
<u>CSO</u> <u>CLARK KANKORSE</u>	<u>219-427 5591</u>	<u>OVERFLOW</u>
Individual Making Report: <u>12-1-97 11AM</u>	Phone Number:	Bypass Date:
Duration, <u>(Start/Stop Time:)</u>	<u>10 GPM</u> Gallons:	<u>NONE</u> Aquatic Life Killed ?/Stream

OVERFLOW
Wastewater Treatment Plant Flow during bypass (MGD):

Reason For Release:
ROOTS IN NORMAL FLOW LINE - REQUESTED
ROOT SAW TO OCEAN 10" LINE ASAP
022-004

Actions Taken To Prevent, Minimize or Mitigate Damage:
CLEARING OF ROOTS IN NORMAL FLOW LINE

Signature: Leroy E. [Signature]

ORIG.

CSO

Report Date: 11-19-97

Indiana Department of Environmental Management
Office of Water Management, Dry Weather Overflow Incident Report

Instructions: Complete all parts of this form and fax it to Gary Starks, Office of Water Management, Compliance Branch at 317/232-8637.
This report will satisfy the telephone and written letter requirements of your NPDES permit.

If the overflow is causing a fish kill or other severe environmental damage report the situation to the Office of Environmental Response at: 317/232-7743.

Facility Name: Fort Wayne WWTP County: Allen Permit Number: IN0032191
OR 12-55
CRATE KANKOVSKY 219/427-5591 11-18-97
Individual Making Report: Phone Number: Overflow Date:

K19-044 ST. MARYS
CSO Outfall Number River/Stream Wastewater Treatment Plant Flow

11-18-97 11:45 AM
Dry Weather Overflow observed (date/time)

11-18-97 1 PM
Dry Weather Overflow abated (date/time)

Reason for Dry Weather Overflow:
MALFUNCTION AT WOODHURST REGULATOR
WPC PLANT CORRECTED SITUATION
DID NOT OBSERVE ANY AQUATIC LIFE KILLED
Approx 5 gal P.M.

Previous Dry Weather Overflows from this CSO Outfall in the last 12 months:
Several, all reported

Actions taken to mitigate, minimize, and prevent future overflows:
Almost daily inspections

Signature: Gary H. Kankovsky
CSO/SSI 1-219-427-5591

CSO

Report Date: October 31, 1997

Indiana Department of Environmental Management
Office of Water Management, Dry Weather Overflow Incident Report

Instructions: Complete all parts of this form and fax it to Gary Starks, Office of Water Management, Compliance Branch at 317/232-8637. This report will satisfy the telephone and written letter requirements of your NPDES permit.

If the overflow is causing a fish kill or other severe environmental damage report the situation to the Office of Environmental Response at: 317/232-7745.

Facility Name: Fort Wayne WWTP	County: Allen	Permit Number: IN0032191
Mark R. Essex	219/427-2906	October 31, 1997
Individual Making Report:	Phone Number:	Overflow Date:
K19-044	St. Mary's River	N/A
CSO Outfall Number	River/Stream	Wastewater Treatment Plant Flow

Continuous

Dry Weather Overflow observed (date/ time)

Revised correction date is November 7, 1997

Dry Weather Overflow abated (date/ time)

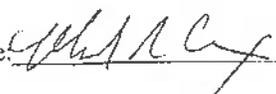
Reason for Dry Weather Overflow:

Due to repeated dry weather overflows, a comprehensive inspection was undertaken during the summer. Down-pipe from the regulator, the pipe was obstructed with roots and silt. Crews were dispatched to cut through the roots. This took several days. Dry weather overflows occurred again. This time more drastic measures were taken. A "bucket" machine was used in the pipe to clean it. After nearly two weeks, the bucket jammed in the pipe creating a mostly impassable obstruction causing flows to be diverted to the river.

An emergency order was approved by the Board of Public Works to open the pipe and replace the necessary structures. After repeated delays in securing the necessary replacement structure, the contractor assures City Staff that the project will start in the middle of next week. City crews have been observing and investigating the situation daily.

Previous Dry Weather Overflows from this CSO Outfall in the last 12 months:
Several, all reported.

Actions taken to mitigate, minimize, and prevent future overflows:
See above

Signature: 

CSD

Report Date: OCT 3 1997

Indiana Department of Environmental Management Office of Water Management, Bypass/Overflow Incident Report

Instructions: Complete all parts of this form and fax it to Gary Starks, Office of Water Management, Compliance Branch at (317) 232-8637.
This report will satisfy the telephone and written letter requirements of your NPDES permit.

If the bypass is resulting in a fish kill or other severe environmental damage report the release to the Office of Emergency Response at: (317) 233-7745.

Facility Name: FT. WAYNE WWTP County: ALLEN Permit Number: IND0632191

<u>Mark Essex</u>	<u>219/437-2906</u>	<u>OCT. 1, 1997</u>
Individual Making Report:	Phone Number:	Bypass Date:
<u>STOPPED 11:00 AM OCT 2, 1997</u>	<u>(29,250)</u>	
<u>START 3:30 PM OCT 1, 1997</u>	<u>EST. 25 GPM</u>	<u>None detected / St. Mary</u>
Duration, Start/Stop Time:	Gallons:	Aquatic Life Killed ?/Stream

Overflow, not bypass
Wastewater Treatment Plant Flow during bypass (MGD): _____

Reason For Release:
Clogged regulator which diverted flow from WWTP
to St. Mary's River

Actions Taken To Prevent, Minimize or Mitigate Damage:
Regular inspection & cleaning schedules are included
in the PSS Operational Plan.

Signature: [Handwritten Signature]

050

Report Date: 9-25-97

GARY I APOLOGIZE FOR THE INCONVENIENCE. I TRIED TO REACH YOU BY PHONE AND COULD NOT. THE INFORMATION YOU REQUESTED IS ON THIS COPY.

Department of Environmental Management
Bypass/Overflow Incident Report

This form and fax it to Gary Starks, Office of Water
Quality Branch at (317) 232-8637.
The telephone and written letter requirements of your

SORRY AGAIN, JOHNNIE

in a fish kill or other severe environmental damage
Report to the Office of Emergency Response at: (317) 233-7745.



Facility Name: FW WWTP

County: ALLEN

Permit Number: IN0032191

JOHNNIE ROBINSON
Individual Making Report:

(219) 427-5591
Phone Number:

24 SEPT 97
Bypass Date:

START 9-24-97 0730
Duration, Start/Stop Time:

10 GPM
Gallons:

NONE DETECTED / ST. MARYS
Aquatic Life Killed ?/Stream

OVERFLOW / NOT BYPASS
Wastewater Treatment Plant Flow during bypass (MGD):

OVERFLOW / NOT BYPASS

Reason For Release:

POWER BUCKET MACHINE USED TO CLEAN DOWNSTREAM
LINE IS STUCK IN LINE AND CAUSING OVERFLOW
TO RIVER. K19-044

ANY QUESTIONS POC: MARK ESSAY (219) 427-2906

Actions Taken To Prevent, Minimize or Mitigate Damage:

LINE IS BEING DUG OUT AND REPAIRED BY
PRIVATE CONTRACTOR. ESTIMATED TIME OF COMPLETION
25 OCT 97. WE WILL NOTIFY YOU WHEN CORRECTED

Signature: [Signature]

Report Date:

9-5-97

CSO

Indiana Department of Environmental Management
Office of Water Management, Bypass/Overflow Incident Report

Instructions: Complete all parts of this form and fax it to Gary Starks, Office of Water Management, Compliance Branch at (317) 232-8637.
This report will satisfy the telephonic and written letter requirements of your NPDES permit.

If the bypass is resulting in a fish kill or other severe environmental damage report the release to the Office of Emergency Response at: (317) 233-7745.

Facility Name: Ft. Wayne WWT^P County: ALLEN Permit Number: INCO 32191
 CRAIG KANKOVSKY 219-427-5591 (OVERFLOW)
 Individual Making Report: Phone Number: Bypass Date:
 11:12 AM / 8:50 AM
 8-11-97 / 9-5-97 5 GPM NONE DETECTED
 Duration, Start/Stop Time: 9-5-97 Gallons: Aquatic Life Killed ?/Stream
 8:50 AM
 OVERFLOW NOT BYPASS
 Wastewater Treatment Plant Flow during bypass (MGD):

Reason For Release:

Heavy debris in sewer line down stream
 from "Woodhurst Regulator", also heavy
 silt and cinders in float chamber
 K19-044

Actions Taken To Prevent, Minimize or Mitigate Damage:

Cleaning of two sets down stream
 with "power machines" also had WPC's
 cleaning in float chamber

Signature: Craig Kankovsky
 SSI for CSO's

CSO

Report Date: 20 MAY 1997

Indiana Department of Environmental Management Office of Water Management, Bypass/Overflow Incident Report

Instructions: Complete all parts of this form and fax it to Gary Starks, Office of Water Management, Compliance Branch at (317) 232-8637. This report will satisfy the telephone and written letter requirements of your NPDES permit.

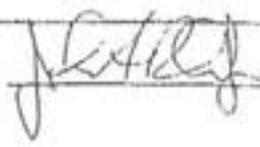
If the bypass is resulting in a fish kill or other severe environmental damage report the release to the Office of Emergency Response at: (317) 233-7745.

Facility Name: FT. WAYNE WWTP	County: ALLEN	Permit Number: IN0032191
Individual Making Report: JONNIE ROBINSON	Phone Number: (219) 427-1255	Bypass Date: 20 MAY 1997
Duration, Start/Stop Time: STOP 20 MAY 1830 START 19 MAY 0730 W/OF	Gallons: 75 BPM	Aquatic Life Killed ?/Stream: NONE DETECTED / ST. MARY'S

OVERFLOW, NOT BYPASS
Wastewater Treatment Plant Flow during bypass (MGD): _____

Reason For Release:
LINE CLOGGED GOING TO REGULATOR DIVERTED FLOW
TO ST. MARY'S VIA 044

Actions Taken To Prevent, Minimize or Mitigate Damage:
COMBINATION FLUSH & VACUUM LINES GOING TO AND FROM
REGULATOR

Signature: 

Date: 4-23-97 Rainfall 0.00 in last 24 hours.

CSO#	Overflowing		Flapgate	Time	Location
	Yes	No			
M18-032	<u>X</u>	<u>X</u>	<u>Y</u>	<u>945</u>	520' N of State Bl. & Westbrook Dr. Intersection on W bank.
M22-103	<u>X</u>	<u>X</u>	<u>Y</u>	<u>1045</u>	100' E of Penn Place & Spy Run intersection on W bank.
M22-093	<u>X</u>	<u>X</u>	<u>Y</u>	<u>1040</u>	130' E of Dalgren & Spy Run intersection on W bank.
022-094	<u>X</u>	<u>X</u>	<u>Y</u>	<u>1050</u>	200' E of Parnell Av. Bridge on S bank.
022-002	<u>X</u>	<u>X</u>	<u>Y</u>	<u>1052</u>	120 NNW of St. Joe River Rd. & Woodrow Av. on S bank.
022-004	<u>X</u>	<u>X</u>	<u>Y</u>	<u>1055</u>	370' W on N. Anthony Bl. & St. Joe River Rd. on E bank.
022-071	<u>X</u>	<u>X</u>	<u>Y</u>	<u>1055</u>	50' N. of 022-004
M18-014	<u>X</u>	<u>X</u>	<u>Y</u>	<u>1035</u>	200' E of Northside Dr. & Curdes Av. intersection
M18-167	<u>X</u>	<u>X</u>	<u>Y</u>	<u>1030</u>	150' W of Charlotte Av. & Northside Dr. intersection on E bank. on E bank.
R14-137	<u>Y</u>	<u>X</u>	<u>Y</u>	<u>11</u>	200' West of Lavern Av. & State St. intersection.
R14-138	<u>X</u>	<u>X</u>	<u>Y</u>	<u>11</u>	

* Comments: 23.5 Westbrook - overflowing - 130 to correct
Finished Westbrook @ 10:25 AM - Restored proper flow
022004 - 1" clear outflow - dribble
R14 137 1" clear outflow

Nine Minimum Controls – No. 5

EXHIBIT E-3

Recommendations to Eliminate or Reduce DWOs

Procedures

1. Review and revise as necessary the inspection procedures for float operated mechanical regulators. These regulators should be inspected frequently to determine if base flows are obstructed as they pass through the regulator.
2. Review and revise as necessary the inspection and maintenance procedures for the gravity sewers just downstream of regulators. The frequency of inspection and cleaning at these locations should be higher than that for typical gravity sewers.

Studies

1. Study the possibility of converting mechanical regulators to static regulators.
2. TV the section of 18" pipe between the diversion section and regulator chamber of regulator J11-163. Continue looking for the source of shop rags.
3. Develop alternatives for screening debris at regulator O10-311.

Capital Projects – None are recommended at this time.

Nine Minimum Controls – No. 5

EXHIBIT E-4