



Combined Sewer Overflow (CSO)

2018 Annual Report

City of Findlay WPCC

NPDES Permit No. 2PD00008*TD

On or prior to May 1st of each year the City of Findlay's NPDES permit #2PD00008*TD requires the City to make available to the public an Annual Combined Sewer Overflow (CSO) Report. The Annual Report shall describe the CSO discharges from each discharge point(s) that occurred in the previous calendar year.

The City of Findlay's NPDES permit also requires an annual summary of actions taken to implement the nine minimum controls in accordance with the City of Findlay Combined Sewer Operational Plan. The following is a review of the nine minimum controls and actions that were taken to reduce the impact of CSO discharges upon the receiving stream:

1) **Provide proper operation and maintenance for the collection system and the combined sewer overflow points.**

The City of Findlay Sewer Maintenance Unit (SMU) has an established Operation and Maintenance program consisting of inspection, operation and maintenance of the sewer collection system. The SMU cleaned and removed over 788 cubic yards of debris from 209,581 feet of sanitary sewer, 2,130 feet of storm sewer and 2,889 catch basins. They also repaired or patched 150 catch basins. The Unit received 148 sewer calls from the public with only 6 of those related to the City's collection system. In June of 2018, CSO #8009 was eliminated. All CSO outlets, which have flap gates are checked weekly and inspected for proper operation.

2) **Provide the Maximum use of the collection system for storage of wet weather flow prior to allowing overflows.**

The City continues to separate sections of the city that are on the combined system. In 2018, area B4-B6 Phase I and Phase II sewer separation project was completed. This project installed storm sewers on Foulke Avenue, Allen Avenue, Midland Avenue, Garfield Avenue and George Street (from the railroad tracks to Crystal Avenue). A total of 5302 feet of new storm sewer was installed, 40 new catch basins and 30 catch basins were removed from the sanitary sewers. The City continues to work on its annual sewer lining program. This annual program adds a plastic liner to sanitary sewers to prevent storm water and groundwater infiltration and to structurally rehabilitate deteriorating sewers. In 2018, approximately 3,761 feet of 8" sewer, 4,079 feet of 10" sewer and 1,982 feet of 12" sewer was lined. The total length of sanitary sewer lined was approximately 9,822 feet. The City also installed a flap gate on CSO #8019 and replaced the flap gate at CSO #8004 with an In-Line check valve which will help with the amount of river water intrusion thus providing more storage in the system. The City treated 11,454 feet of sewer with chemical treatment for grease and root control thus helping to prevent back-ups that could cause CSO discharges

- 3) **Review and modify the pretreatment program to minimize the impact of non-domestic discharges from combined sewer overflows**
The Water Pollution Control Center operates an industrial pretreatment program. There have been no problems with the local industries and all are in compliance at this time. I don't feel that the industries will cause any problems pertaining to CSO discharges.
- 4) **Maximize the capabilities of the POTW to treat wet weather flows and maximize the wet weather flow to the POTW within the limits of the plant's capabilities.**
The City of Findlay completed a stress test in 2004 on the facility and had flows of 35.9 MGD. With the addition of the new Screen Building in 2015 we were able to maximize the wet well capacity of the River Road Influent Pump Station. During wet weather events the influent pumps at the River Road facility will pump 29.2 MGD with the remaining 10.0 MGD being pumped from the Bright Road Pumping Station. The total design for the facility is 40 MGD
- 5) **Prohibit dry weather overflows.**
The SMU inspect CSO discharge points on a weekly basis and there are no dry weather overflows.
- 6) **Control of solid and floatable materials in CSO discharges.**
The City of Findlay actively operates a street cleaning program and a catch basin cleaning program, which will minimize the total amount of material going into the combined sewer system. The SMU removed over 767 cubic yards of debris from 2,889 catch basins in 2018. The City of Findlay Public Works Department operates three sweeping machines which collected and removed 1269 cubic yards of debris from the streets in 2018.
- 7) **Conduct required inspections, monitoring and reporting of CSO's.**
The City of Findlay has an ongoing CSO inspection and monitoring program. The data included in this report will document all CSO activity throughout the year.

8) **Implement pollution prevention programs that focus on reducing the level of contaminants in CSO discharges.**

The City of Findlay has a program for street cleaning, which will prevent solids and floatables from reaching the combined sewer system. The SMU has one crew dedicated to cleaning of catch basins and storm sewers. The City of Findlay partners with other agencies to hold semi-annual drive-up collections of prescription drugs. In addition to these events, there are also permanent collection boxes at the City of Findlay Police Department and the Hancock County Sheriff's Office, which installed in 2011 to allow the citizens of Findlay and Hancock County an alternative to disposing of their unwanted drugs by flushing them down their toilets. In 2018, 358 pounds of medical collection drugs were collected and destroyed. The City will continue to promote proper disposal of these common contaminants.

9) **Implement a public notification program for areas affected by CSOs, especially beaches and recreation areas.**

On January 8, 2018, US EPA published the final Public Notification Requirements for Combined Sewer Overflows to the Great Lakes. The requirements address signage, initial notification of local public health departments and other potentially affected entities, initial notification of the public, annual notice provisions, and requires the development of a public notification plan. In addition, the rule requires that the City of Findlay submit the public notification plan to the NPDES permitting authority (Ohio EPA) by August 7, 2018. The City of Findlay's notification plan was approved by the Ohio EPA on September 13, 2018 with implementation of the plan by November 7, 2018.

If there any questions or comments concerning this report please contact me at 419-424-7187 or at dbeach@findlayohio.com

Respectfully Submitted,



David L. Beach
WPC Superintendent

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Permit #: 2PD00008*TD

Facility Name: City of Findlay WPCP

Reporting Period: 01/01/2018 To 12/31/2018

Table 1: CSO Location and Receiving Water

CSO Station #	Location Description	Receiving Water
8004	East Of old WWTP	Blanchard River
8005	North West and High Street	Blanchard River
8006	North Side Liberty St. Dam	Blanchard River
8007	Liberty and Washington	Blanchard River
8010	Hancock and Bank Street	Eagle Creek
8013	East Sandusky and Blanchard Street	Eagle Creek
8014	South West and West Front Street	Blanchard River
8019	North Cory at Walnut Street Alley	Blanchard River
8022	West Front and North Main	Blanchard River
8023	East and West Sandusky Street	Blanchard River

Table 2: Potential Impacted Public Access Areas

CSO Station #	Location Description	Potential Impacted Public Parks
8004	East Of old WWTP	Liberty Landing, Blanchard Landing
8005	North West and High Street	Liberty Landing, Blanchard Landing
8006	North Side Liberty St. Dam	Great Karg Well, Liberty Landing, Blanchard Landing
8007	Liberty and Washington	Great Karg Well, Liberty Landing, Blanchard Landing
8010	Hancock and Bank Street	Great Karg Well, Liberty Landing, Blanchard Landing
8013	East Sandusky and Blanchard Street	Great Karg Well, Liberty Landing, Blanchard Landing
8014	South West and West Front Street	Great Karg Well, Liberty Landing, Blanchard Landing
8019	North Cory at Walnut Street Alley	Liberty Landing, Blanchard Landing
8022	West Front and North Main	Great Karg Well, Liberty Landing, Blanchard Landing
8023	East and West Sandusky Street	Great Karg Well, Liberty Landing, Blanchard Landing

Great Karg Well: The .5-acre park is located in Findlay near Liberty and River Street

Liberty Landing: The 2-acre park is located west of Findlay off County Road 140, on Liberty township 89

Blanchard Landing: The 3-acre park is located west of Findlay off of State Route 235

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Table 3: CSO Event Information

CSO Station #	Event Date & Time Start	Event Date & Time End	Estimated Volume MG	Cause of CSO Discharge	Precipitation Total Inches
8019	2/19/18 @ 11:30 am	2/22/18 @ 5:00am	2.2364	Precipitation	1.02
8004	3/1/18 @ 11:30 am	3/2/18 @ 3:00 pm	1.1468	Precipitation	1.02
8005	3/1/18 @ 11:30 am	3/2/18 @ 3:00 pm	1.8288	Precipitation	1.02
8006	3/1/18 @ 11:30 am	3/2/18 @ 3:00 pm	0.6875	Precipitation	1.02

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Table 4: Annual Overflow per Combined Sewer Totals

CSO Station #	Overflow Frequency	Estimated Volume			
8004	1	1.1468			
8005	1	1.8288			
8006	1	0.6875			
8007	0				
8010	0				
8013	0				
8014	0				
8019	1	2.2364			
8022	0				
8023	0				
Total	4	5.8995			

Table 5: Annual Precipitation Totals

Month	Total Precipitation Inches	Overflow Frequency	Estimated Volume			
January	1.99	0				
February	3.81	1	2.2364			
March	2.73	3	3.6631			
April	2.66	0				
May	2.52	0				
June	4.72	0				
July	1.82	0				
August	5.25	0				
September	2.26	0				
October	3.74	0				
November	3.61	0				
December	2.88	0				
Total	37.99	4	5.8995			