



## Combined Sewer Overflow (CSO)

### 2021 Annual Report

City of Findlay WPCC

NPDES Permit No. 2PD00008\*TD

On or prior to May 1<sup>st</sup> 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. In 2021, The SMU cleaned 147,847 feet of sanitary sewer, 2,616 feet of storm sewer and 2,351 catch basins. They also repaired or patched 229 catch basins. Throughout the year, 13 sanitary sewer pipes were repaired which had either collapsed or were damaged. The Unit received 118 sewer calls from the public with only 16 of those related to the City's collection system. All CSO outlets, which have flap gates are checked regularly 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. A separation project was completed on Howard Street. This project consisted of installing 1,779 feet of new storm sewer between Morey Avenue and Bolton Street. The City continued to work on its sewer lining program which will reduce the amount of infiltration into the sanitary sewer system. There was 7,896 feet of lining completed in the sanitary sewer collection system in 2021. The City treated 4,276 feet of sanitary sewer with chemical treatment for 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 30.0 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 regular 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. In 2021, the SMU cleaned 2,351 catch basins along with 2,616 feet of storm sewer. These efforts removed 43 cubic feet of debris from the stormwater collection system. The Public Works Department operates three sweeping machines which collected and removed 468 cubic yards of debris from the streets.
- 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 to allow the citizens of Findlay and Hancock County an alternative to disposing of their unwanted drugs by flushing them down their toilets. In 2021, 701.2 pounds of expired or unused medication was collected from the permanent drop boxes and medication collection efforts. 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](mailto:dbeach@findlayohio.com)

Respectfully Submitted,



David L. Beach  
WPC Superintendent

# Combined Sewer Overflow Annual Report

Permit #: 2PD00008\*TD

Facility Name: City of Findlay WPC

Reporting Period: 01/01/2021 to 12/31/2021

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

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

# Combined Sewer Overflow Annual Report

Permit #: 2PD00008\*TD

Facility Name: City of Findlay WPCC

Reporting Period: 01/01/2021 to 12/31/2021

<b>CSO Station #</b>	<b>Event Date &amp; Time Start</b>	<b>Event Date &amp; Time End</b>	<b>Estimated Volume MG</b>	<b>Cause of CSO Discharge</b>	<b>Precipitation Total Inches</b>
8004	4/29/21 @ 8:00 am	4/30/21 @ 1:00 pm	2.4186	Precipitation	1.88 4/29/21
8005	4/29/21 @ 8:00 am	4/30/21 @ 1:00 pm	3.8570		
8006	4/29/21 @ 8:00 am	4/30/21 @ 1:00 pm	1.4500		
8007	4/29/21 @ 8:00 am	4/30/21 @ 1:00 pm	2.0300		
8004	5/9/21 @ 2:00 pm	5/9/21 @ 12:00 am	0.8340	Precipitation	1.86 5/9/21
8005	5/9/21 @ 2:00 pm	5/9/21 @ 12:00 am	1.3300		
8006	5/9/21 @ 2:00 pm	5/9/21 @ 12:00 am	0.5000		
8007	5/9/21 @ 2:00 pm	5/9/21 @ 12:00 am	0.7000		
8004	7/17/21 @ 1:30 am	7/18/21 @ 7:00 am	2.4603	Precipitation	1.84 7/16/21
8005	7/17/21 @ 1:30 am	7/18/21 @ 7:00 am	3.9235		1.74 7/17/21
8006	7/17/21 @ 1:30 am	7/18/21 @ 7:00 am	1.4750		
8010	7/17/21 @ 1:30 am	7/17/21 @ 9:00 am	0.9750		
8019	7/17/21 @1:30 am	7/18/21 @7:00 am	3.9235		

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Reporting Period: 01/01/2021 to 12/31/2021

Table 4: Annual Overflow per Combined Sewer Totals						
CSO Station #		Overflow Frequency	Estimated Volume			
8004		3	5.7129			
8005		3	9.1105			
8006		3	3.4250			
8007		2	2.7300			
8010		1	0.9750			
8013		0				
8014		0				
8019		1	3.9235			
8022		0				
8023		0				
Total		13	25.8769			

Table 5: Annual Precipitation Totals						
Month	Total Precipitation Inches		Overflow Frequency	Estimated Volume		
January	1.81		0			
February	2.38		0			
March	1.82		0			
April	3.04		4	9.7556		
May	3.19		4	3.3640		
June	3.36		0			
July	6.40		5	12.7573		
August	3.07		0			
September	3.12		0			
October	3.85		0			
November	0.90		0			
December	3.66		0			
Total	36.61		13	25.8769		