



VILLAGE OF GIBSONBURG
526 N. WEBSTER STREET
GIBSONBURG, OHIO
43431
(419) 637-2634

2021 CSO ANNUAL REPORT

Requirement:

The Village of Gibsonburg was required to develop a Public Notification Plan that describes how it will ensure that the public receives adequate notification of Combined Sewer Overflow (CSO) occurrences and impacts. The plan is on the Village of Gibsonburg website and available in hard copy at Gibsonburg Town Hall, 526 N. Webster Street, Gibsonburg. Also on the website and at Town Hall are all notifications and the Annual Report.

Identification of Locations:

The Village of Gibsonburg has two (2) CSO locations. The outfalls for both locations are located within the Village limits and are named: West CSO and East CSO. There is no treatment at either location and both locations have signs prominently displayed with details.

West CSO (East Stone Street/North Patterson Street) overflows to the Hurlbut Ditch:



East CSO (East Stevenson Street) overflows to the SR 300 Ditch:



2021 CSO Information:

Village of Gibsonburg, Sandusky County, Ohio CSO Notification Plan Annual Report for 2021

East CSO- Route 300 Ditch to Wolf Creek

<u>Event</u>	<u>Date/Start Time</u>	<u>Date/End Time</u>	<u>Rainfall Prior To Start</u>	<u>Total Rainfall</u>	<u>Total CSO Volume (MG)</u>
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No recorded CSO events on the East CSO for 2021

West CSO- Hurlbut Ditch to Sugar Creek

<u>Event</u>	<u>Date/Start Time</u>	<u>Date/End Time</u>	<u>Rainfall Prior To Start</u>	<u>Total Rainfall</u>	<u>Total CSO Volume (MG)</u>
1	6/9	6/9	1.3"	1.4"	.095
2	7/17 0700am	7/21 0230am	3.7"	3.7"	9.097
3	9/23 0300am	9/23 1900pm	3.0"	3.1"	2.199
4	10/15 1630pm	10/17 2015pm	1.2"	1.6"	1.515
5	10/25 1600pm	10/31 2400pm	1.8"	2.8"	8.536
6	11/1 0800am	11/1 0845am	2.8"	2.8"	.003

2021 Dry Weather CSO Information

The Village of Gibsonburg is not aware of any dry weather CSO events in 2021

Summary of the Implementation of the Nine Minimum Controls

1. Proper Operation and Regular Maintenance Program for the Sewer System:

The Village of Gibsonburg Wastewater Treatment Plant Staff has implemented an annual cleaning program of the Village's sewers and catch basins. This cleaning is done by dividing the Village into four quadrants, with one quadrant being cleaned on an annual basis. If inspection dictates and area in need of attention that is not located in the quadrant being cleaned that specific year, resources are diverted to take care of the problem. The Village currently contracts with a local company to complete the cleaning. Records of this program are kept at the Wastewater Treatment Plant and the Wastewater Treatment Plant Superintendent is the responsible party for ensuring that the program continues as scheduled.

2. Maximization of Storage in the Collection System

Both CSO locations are gated. The Village of Gibsonburg has one storage pond that holds excess flow during extreme events and when flow subsides in the system drain back to the system for full treatment at the Wastewater Treatment Plant.

3. Review and Modification of Pretreatment Requirements

The Village of Gibsonburg has an approved pretreatment program as required. The Village has developed technically based local limits and has incorporated them into the program as well as individual industrial user's permits. These local limits are reviewed at a minimum at every permit

renewal or every five years and are adjusted as necessary. Currently, the Village of Gibsonburg has one permitted industrial user (Reino Linen). The Village also has a fats, oil and grease program that applies to all sewer users including industrial and commercial (restaurants). The Village of Gibsonburg is up to date with all requirements of the pretreatment program.

4. Maximization of Flow of the POTW for Treatment

The Village of Gibsonburg finished an upgrade to the EQ Basin in 2015 by putting in a pump station to optimize wet weather flows to the WWTP to be chlorinated and dechlorinated. This upgrade allows a flow of up to 1.1 mgd to be chlorinated and dechlorinated. As a result it is allowing the Village to attempt to eliminate CSO's. The Village also replaced two screw pumps in 2017 to optimize flow to the WWTP.

5. Elimination of CSO's During Dry Weather

The Village of Gibsonburg is not aware of any dry weather CSO events. As stated earlier, both CSO structures are gated.

6. Control of Solid and Floatable Materials to CSO's

The Village of Gibsonburg catches the first flush during a rain event by maximizing flow to the WWTP and diverting the extra water to the EQ Basin, allowing solids and floatables time to settle thus reducing solids and floatables going out to the CSO's. The Village also has a street sweeper and utilizes a regular sweeping program to clean debris off of the streets along with weekly refuse pick up.

7. Pollution Prevention Programs to Reduce Contaminates in CSO's

The Pollution Prevention activities of the Village of Gibsonburg include: street sweeping program, garbage collection, active compost and yard waste facility and household hazardous waste collection through the OSS Solid Waste District.

8. Public Notification

The Village of Gibsonburg is required to notify the public when a CSO event occurs. The following protocol is followed:

Village of Gibsonburg operators observe when a CSO begins. The Village then obtains a sample of the discharge and observes its characteristics. Operators also observe the rainfall data to report how much rainfall had fallen prior to the overflow event.

For the initial notification, emails are provided to the public and other interested parties on the contact list. Emails are sent within 4 hours of the WWTP Superintendent becoming aware of the overflow. The initial notice has the following information:

1. Date and time the discharged commenced.
2. Location of the discharge: Hurlbut Ditch (southwest of the WWTP located on W. Stone Street/N. Patterson Street) or SR 300 Ditch (Located on E. Stevenson Street).
3. Treatment provided: None- Raw untreated combined sewage.
4. Whether the discharge is continuing at the time of notification.
5. Impacted public access areas that may be affected (None).
6. The CSO was initiated by a rainfall of approximately ___ inches.
7. The Village of Gibsonburg has completed improvements to both its Wastewater Treatment Plant and collection system to limit these overflows to four or less in a typical year of rainfall.

8. Municipal point of contact: Paul Clark- pclark@gibsonburgohio.org or (419) 637-7834.

The supplemental notification will be provided to the public and other interested parties within 7 days and will be sent by the Wastewater Treatment Plant Superintendent, Paul Clark. The supplemental notice will have the following information added:

1. Statement that the CSO has ended.
2. Date and time discharge ended.
3. Measured volume.
4. Total rainfall for the event.

9. Monitoring to Characterize CSO Impacts and Efficiency of CSO Controls

The Village of Gibsonburg NPDES permit requires the Village to monitor flow and duration of CSO's and also sample and analyze discharges for Carbonaceous Biochemical Oxygen Demand and Total Suspended Solids once per month. This information is reported on the monthly data monitoring reports that are submitted to Ohio EPA. Some CSO's do occur at times when plant staff are unavailable to collect a sample or are too short in duration to allow collection of a sample. The information for 2020 is listed in the above chart and data.

Status of the Implementation of the Long Term Control Plan (LTCP)

The Village of Gibsonburg has an active LTCP in place that was approved in February of 2007 and continues to be actively worked on. Since 2007, the Village of Gibsonburg continues to actively work towards completing the projects outlined in the Plan. As of this date, the Village of Gibsonburg has completed numerous projects as outlined in the schedule of compliance, including:

- Submitting an amended LTCP Application that included equalization basin improvements, additional CSO control measures and five specific clean water removal projects to be completed over a five year period. To date, the Village has completed:
- Equalization Basin Improvements (2015)
- Phase 1 Clean Water Removal from the East CSO Structure and West CSO Structure (2017)

In 2021, the Village completed a Phase 2 Clean Water Removal Project (installation of separate storm sewers on Main St. between Cedar St. and Lime St. and in the alley west of Main St.

In 2022, the Village will complete a Phase 3 Clean Water Removal Project (Continued installation of separate storm sewers in the alley between Main St. and Webster St. south to Stevenson St.

In 2023, the Village will complete a Phase 4 Clean Water Removal Project (installation of separate storm sewers from Gibson St. and the alley north of Smith St.)

In 2025, the Village will complete a Phase 5 Clean Water Removal Project (installation of CIPP liner in existing combined sewer on E. Yeasting St. near Main St. and in the alley between Madison St. and Stevenson St. west of the railroad tracks).

In addition, in 2017 the Village of Gibsonburg replaced both of the Screw Pumps at the Wastewater Treatment Plant.

On June 28, 2021, the Village of Gibsonburg replaced the meters at both the East and West CSO due to age and reliability.