

NINE MINIMUM CONTROLS

August 10, 2017, Ohio EPA Division of Surface Water conducted an inspection at the Montpelier WWTP and Collection System. Part II – Other Requirements Item G, in Montpelier WWTP NPDES permit states that the entire wastewater treatment system shall be operated and maintained so that the total loading of pollutants discharged during wet weather is minimized. This is to be accomplished through the use of what is known as NINE MINIMUM CONTROLS. Part II B of the National Combined Sewer Overflow Control Policy discusses implementation requirements for these control measures, which are listed below.

1. Proper operation and regular maintenance programs for the sewer system and CSOs

The Village of Montpelier staff operates and maintains the WWTP and collection system. Village staff inspects the CSOs during wet weather events, as well as, weekly regardless of rainfall. Summaries are reported to the Ohio EPA monthly. Village staff cleans the sewers and catch basins on a routine basis.

2. Maximum use of the collection system for storage

Full treatment capabilities of the Montpelier WWTP are used during wet weather. CSOs are regulated by fixed weirs and duckbill release ends.

3. Review and modification of pretreatment requirements to assure CSO impacts are minimized

The Village of Montpelier does NOT have a pretreatment program.

4. Maximize flow at the WWTP for treatment

The Montpelier WWTP is an activated sludge facility designed to treat an average daily flow of 1.0 MGD. The treatment facility is capable of handling peak flows up to 2.0 MGD before adverse treatment quality is observed. The Montpelier WWTP staff operates the facility at peak capacity during wet weather events. The Montpelier WWTP underwent an extensive renovation in 2018 to help improve treatment quality and handle heavy flows.

5. Prohibition of CSOs during dry weather

The Village of Montpelier WWTP staff inspect CSOs weekly. Dry weather overflows have not been observed. Duckbills have been installed on CSOs to prevent stream intrusion.

6. Control of solid and floatable materials in CSOs

The Montpelier Street Department runs its street sweeping equipment on an approximately weekly basis. The Montpelier Street Department operates a leaf pick-up program. The Montpelier Collections Department manually clean catch basins as necessary and performs routine jetting of the Collection system. The Village purchased a vacuum truck in 2022 to clean catch basins and lift stations on a yearly basis.

7. Pollution Prevention

The Village of Montpelier has adopted sewer use and anti-litter ordinances. The Village also has a recycling program and oil retention program.

8. Public Notification to ensure that the public receives adequate notification of CSO occurrences and CSO impacts

A sign is posted at the CSO outfall. Residents are notified of a CSO overflow via Alert86. It is a notification system that allows users to customize “how” they want to receive information (i.e. text, phone call, email). The Village of Montpelier also uses its website page to share information.

9. Monitoring to effectively characterize CSO impacts and efficiency of CSO controls

The Village of Montpelier is monitoring its CSO and in 2023 completed the separation of storm water from its sewer system to completely eliminate CSOs in Montpelier as per requirements contained in our NPDES permit.