



# **The Village of Montpelier**

# **Combined Sewer Overflow**

# **Notification Plan**

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IMPLEMENTATION DATE      NOV 2018

Find us on  Village of Montpelier Website: [www.montpelieroh.net](http://www.montpelieroh.net)



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November 2, 2018

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## **CSO PUBLIC NOTIFICATION PLAN FOR THE VILLAGE OF MONTPELIER**

The Village of Montpelier, under the direction of the Ohio Environmental Protection Agency (OEPA) and according to section 425 of the Consolidated Appropriations Act of 2016, offers this notification plan according to Part 122.38.

Below contains the information about The Village of Montpelier CSO Public Notification Plan based upon requirements and occurrence.

During “Wet Weather” / “Rain Events” and the ensuing days after these events, the Village of Montpelier may not be able to accommodate all of the sewage flow from the Collection System and thus may have to discharge “untreated human sewage and harmful bacteria” directly into the St Joseph River. The amounts and length of these overflows vary on many conditions:

- Observation of duckbill if conditions allow
- Amount of Rainfall
- Duration of Rainfall
- Intensity of Rainfall
- Conditions of ground before and after the Rain Event
- Snow Melt or water runoff

It is at the discretion of the Village of Montpelier Staff to determine an appropriate amount based on these noted factors and thru availability of inspection.

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Historically the Village of Montpelier has monitored these rain events and the overflows. The Village has estimated totals, tested and observed the duration of these overflows. The Village of Montpelier has taken these events seriously and in a continued effort has attempted to separate the storm water from the sewer water. Separation projects in the years (2009 - 2018) have seen a significant decrease on the overflows experienced in The Village of Montpelier.

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# 54

54 (2PD00003-003) Located behind the Fire Station

41° 58' 33" N -84° 61' 44" W

The 54 is a 54" sewer line that runs thru the heart of Montpelier.

Due to its age and deterioration it also has been the focus of the majority of the Montpelier Sewer Separation Projects. Projects include

### Phase I – 2009-10

#### Phase A:

- \$2,794,271.36
- 11,750 lf. – 6"-8" San. Sewer Pipe
- 3,590 lf. – 24" San. Sewer Pipe
- 2,700 lf. – 12" Storm Sewer Pipe

#### Phase B:

- New Jefferson Street Lift Station
- 3,870 lf. – 12" Force Main Sewer Pipe

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Phase II – 2012-13

- \$796,232.16
- 4,900 lf. – 6”-8” San. Sewer Pipe
- 1,500 lf. – 15” San. Sewer Pipe
- Misc. Storm Sewer Replacement

Phase III – 2013-14

- \$631,719.10
- 5,800 lf. 6”-8” San. Sewer Pipe
- Misc. Storm Sewer Pipe

Phase IV – 2015-16

- \$1,666,022.86
- 7,200 lf. 6”-8” San. Sewer Pipe
- Misc. Storm Sewer Pipe

Phase V – 2017-18

- \$1,570,208.19
- 8,589 – 6”-8” San. Sewer Pipe
- Misc. Storm Sewer Pipe

Plans include Phase VI to begin in 2019 and after that completion, Phase VII will be the final phase. This would complete the CSO designation in The Village of Montpelier Long Term Control Plan with the OEPA as laid out in Montpelier’s Discharge Permit.

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The 54 overflow is located in a vault and is controlled by (2) duckbill release ends, that were installed in 1999. This overflow is located on the West End of town behind the Village Fire Station. There are some weirs and chambers that help contain the flow. In 2010 a lift station was installed, Jefferson Street Pumping Station. This station takes all the flow from the north side of town (being defined as the railroad tracks running thru the town) and Holiday City and delivers these flows to the Waste Water Treatment Plant.

The 54 is directly connected to our Jefferson Street Pumping Station via a line and can be controlled thru our Automatic Sluice Gate. When conditions and sewage rise in the 54 it triggers a float and then the Sluice is “closed”. Village of Montpelier personnel will inspect the sluice gate and open the gate according to how much the lift station and Waste Water Treatment Plant can handle.

This Automatic Sluice Gate is never completely closed unless it is plugged with some debris from the line. It comes unplugged with flow or routine maintenance like opening and closing the Sluice Gate. The Village of Montpelier is working diligently on their sewer separation project and eventually the 54 will be exclusively a storm water line. The 54 overflows will be eliminated upon completion of the above Sewer Separation Plan.



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When conditions allow, the 54 discharges directly into the St Joseph River. The 54 is inspected weekly or as conditions allow to ensure the duckbills are correctly installed, working and debris free. During overflow events the Village of Montpelier attempts to estimate the gallons of overflow. This is a very difficult task due to the collection of vaults and weirs and the inherent nature of the dual duckbill attachments on the pipes. Other factors considered in their estimates:

- Observation of duckbill if conditions allow
- Amount of Rainfall
- Duration of Rainfall
- Intensity of Rainfall
- Conditions of ground before and after the Rain Event
- Snow Melt or water runoff

It is at the discretion of the Village of Montpelier Staff to determine an appropriate amount based on these noted factors and thru availability of inspection.





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# 36

36 (004) Located in a flood plain, in the river bottom to the south of the South Station

41° 58' 5" N -84° 61' 94"

Located in the flood plane of the south station river bottom, the 36 can present some challenges on inspecting this location during the course of the year. This overflow is located in a vault and controlled by (1) duckbill release end, that was installed in 1999. There are some weirs and chambers that help contain the flow. A major headache is the deterioration of the carrier line from the south side of Montpelier – under the railroad tracks – and thru the river bottom to the South Station. This line is NOT tight and we expect infiltration into and out of during wet events. The I/I can be attributed to damaged joint gaskets, exposed manholes and overall location, as it is in a flood plain/river bottom.

This overflow is connected to the sewer line coming from the south side of town, under the Norfolk Southern Railroad and flowing directly into the South Station (aka Randolph Street Pumping Station). The Village of Montpelier has a weighted regulator that controls flow into the south station. Village employees will inspect and control the regulator to allow or restrict flow thru the station and to the Waste Water Plant.

The regulator is never completely closed and The Village of Montpelier is working diligently on their sewer separation project and eventually the line to the South Station and the South Station will be renovated or moved. The 36 overflows will be eliminated upon completion of the above Sewer Separation Plan.

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When conditions allow, the 36 discharges directly into the St Joseph River. The 36 is inspected weekly or as soon as the flood recedes and conditions allow, to ensure the duckbill is correctly installed, working and debris free. During overflow events the Village of Montpelier attempts to estimate the gallons of overflow. This is a very difficult task due to the collection of vaults and weirs and the inherent nature of a duckbill attachment on the pipe. The Village also considers the flood plain and suspected infiltration from the sewer line. Other factors considered in their estimates

- Observation of duckbill if conditions allow
- Amount of Rainfall
- Duration of Rainfall
- Intensity of Rainfall
- Conditions of ground before and after the Rain Event
- Snow Melt or water runoff

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## **SIGNAGE**

Signs were made and installed prior to 2016. Signs were mounted to the structures that are connected to the St Joseph River and overflow locations. These signs are visible from the river.

These signs are located at BOTH CSO overflow outfalls and are inspected on a yearly basis and will be replaced as necessary.

Wording on signs:

Village of Montpelier

PERMIT #2PD00003 KD

OUTFALL #006 (appropriate overflow ID)

419-485-5543 (town hall number)

THIS OUT FALL MAY BE SUBMERGED

AND COULD DISCHARGE UNTREATED

HUMAN SEWAGE AND HARMFUL

BACTERIA DURING WET WEATHER

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## **PUBLIC NOTIFICATION**

### **INITIAL OUTREACH**

The Village of Montpelier will post flyers in town hall and The Williams County Health District during the initial months of implementation. These flyers will contain information on how the public can find the new CSO Notification Plan. Information will be included directing people how to sign up for Alert86. The Village of Montpelier will also post a message directly on the April monthly utility bill with information on finding the CSO Notification Plan. The monthly utility bill will be sent to everybody in Montpelier with a utility hook up.

### **ALERT 86**

The Village of Montpelier Waste Water Treatment Staff will contact Chief Dan McGee or Police Administrative Assistant Darrin Repp of the Montpelier Police Department and either employee will notify the public via the Alert 86.

Chief Dan Mc Gee  
(419) 485-3121 work  
(419) 485-2155 home  
(419) 553-0081 cell

Darrin Repp  
(419) 485-3121 work  
(419) 553-9737 cell

Alert86 is a message notification system used in Williams County that allows users to customize what notifications they want to receive and how they want to receive them. Once signed up for the alerts, users can receive notifications via text message, email or voice recording.

To sign up visit [www.alert86.com](http://www.alert86.com)

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### **WILLIAMS COUNTY HEALTH DISTRICT**

Contact with the Williams County Health District was made and it was determined that there are no potentially impacted public areas. The Williams County Health District was on board with current plan and will receive all notifications thru the Alert86 text messages.

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## **CSO OVERFLOW EVENT**

### **FINDING INITIAL OVERFLOW EVENT**

Weather conditions may indicate that an overflow is present. The Village of Montpelier Waste Water Treatment Staff will observe an overflow event during their normal daily inspection of the WWTP and Major Lift Stations. Daily inspections consist of visits to the Montpelier WWTP, Jefferson Street Lift Station (54-003 is connected here) and South Station (36-004 is connected here).

Once the overflow event is observed the Montpelier Staff has four hours to notify the public. The staff will notify Town Hall (if during working hours) to be prepared for questions.

### **CONTACT ALERT 86 AND SEND MESSAGE**

The Village of Montpelier Waste Water Treatment Staff will contact Chief Dan McGee or Police Administrative Assistant Darrin Repp of the Montpelier Police Department at the observation of the overflow event and either employee will notify the public via the Alert 86 with prerecorded message 1 or prerecorded message 2 or BOTH of these messages.



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## **MONITORING OVERFLOW EVENT**

Once the overflow has been observed and alerts have been sent out, then The Montpelier Waste Water Treatment Staff will monitor the overflow situation for duration and flow estimation. Staff is also trained on how to operate the controls (sluice gate at the 54-003 OR regulator at the 36-004) that prohibit or allow extra flow into our WWTP, thus eliminating the overflow under the right conditions.

Staff will use the following tools in order to determine the amount of flow to be estimated and recorded in the reports.

- Observation of duckbill if conditions allow
- Amount of Rainfall
- Duration of Rainfall
- Intensity of Rainfall
- Conditions of ground before and after the Rain Event
- Snow Melt or water runoff

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## MESSAGE NOTIFICATION VERBATIM

### 1 CSO 54

The Village of Montpelier has observed an overflow event from the CSO 54 003. This outfall may be submerged and could be discharging untreated human sewage and harmful bacteria into the St Joseph River. Any questions please contact The Village of Montpelier at (419) 485-5543 or the Montpelier Waste Water Treatment Plant at (419) 485-2300.

### 2 CSO 36

The Village of Montpelier has observed an overflow event from the CSO 36 004. This outfall may be submerged and could be discharging untreated human sewage and harmful bacteria into the St Joseph River. Any questions please contact The Village of Montpelier at (419) 485-5543 or the Montpelier Waste Water Treatment Plant at (419) 485-2300.

### 3 End Message CSO 54

The CSO 54 003 reported by The Village of Montpelier has ended. Any questions please contact The Village of Montpelier at (419) 485-5543 or the Montpelier Waste Water Treatment Plant at (419) 485-2300. To locate the most recent CSO totals visit the Waste Water Treatment Department at [montpelieroh.net](http://montpelieroh.net).

### 4 End Message CSO 36

The CSO 36 004 reported by The Village of Montpelier has ended. Any questions please contact The Village of Montpelier at (419) 485-5543 or the Montpelier Waste Water Treatment Plant at (419) 485-2300. To locate the most recent CSO totals visit the Waste Water Treatment Department at [montpelieroh.net](http://montpelieroh.net).





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### **SUPPLEMENTAL NOTIFICATION**

During the Village of Montpelier Waste Water Treatment Staff daily inspections, the staff will observe that the overflow has ended. Once the overflow has ended then The Montpelier Waste Water Treatment Staff will have seven days to finalize the estimations of flow and post the totals on [montpelieroh.net](http://montpelieroh.net) and send an Alert 86 to notify the public. The staff will notify Town Hall (if during working hours) to be prepared for questions.

### **CONTACT ALERT 86 AND SEND MESSAGE**

The Village of Montpelier Waste Water Treatment Staff will contact Chief Dan McGee or Police Administrative Assistant Darrin Repp of the Montpelier Police Department at the conclusion of the event and either employee will notify the public via the Alert 86. Staff will order message 3 or message 4 or BOTH (message 3 AND 4) to be sent out via Alert86.



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## **ANNUAL NOTICE**

The Village of Montpelier will post information on how to acquire the CSO annual notification plan in a note to be sent on the April monthly bills. This information along with the Nine Minimum Controls will also be available on the Village of Montpelier website [www.montpelieroh.net](http://www.montpelieroh.net) under the Montpelier Waste Water Treatment Plant, and located on The Combined Sewer Overflow Page. A link on how to sign up for Alert86 will also be on our Combined Sewer Overflow Page.

The Annual notice will be posted and made available by May 1, for the previous year.

The Annual notice will be emailed and links sent to

Ohio EPA Ryan Gierhart	<a href="mailto:ryan.gierhart@epa.ohio.gov">ryan.gierhart@epa.ohio.gov</a>
Ohio EPA David Brumbaugh	<a href="mailto:david.brumbaugh@epa.ohio.gov">david.brumbaugh@epa.ohio.gov</a>
Ohio EPA Michael Donnelly	<a href="mailto:michael.Donnelly@epa.ohio.gov">michael.Donnelly@epa.ohio.gov</a>
US EPA	<a href="mailto:NPDES_CS0@epa.gov">NPDES_CS0@epa.gov</a>

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The annual notice and Nine Minimum Controls will be posted on the Village of Montpelier Website

[www.montpelieroh.net](http://www.montpelieroh.net)

under Waste Water Treatment Department  
and on the Combined Sewer Overflow Page

The notice can also be obtained in hard copy form in the Village of Montpelier main lobby

118 North Jonesville  
Montpelier, OH 43543

The notice will also be available at the Williams County Health District main lobby

310 Lincoln Avenue  
Montpelier, OH 43543

Contact The Village Administration Office (419-485-5543) or The Village Waste Water Treatment Plant (419-485-2300) with any questions or concerns.

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