

**City of South Bend**  
**GLB CSO Enhanced Public Notification Plan**

The City of South Bend (City) is authorized to discharge in accordance with NPDES permit IN0024520 from specified combined sewer outfalls during wet weather to the St. Joseph River which is located within the Lake Michigan drainage basin. The City is required to comply with the Great Lakes Basin Combined Sewer Overflow Public Notification Rule 40 CFR 122.38. This rule requires the City to provide public notification of discharges from combined sewer outfalls. The following plan has been prepared by the City to comply with the public notification rule.

**I. Sign Location**

All CSO signs are located along the riverside at the discharge point. All CSO points have signs.

**II. Message Description**

Signs at CSO discharge points for the City of South Bend sign read as follows:

Wet Weather Notice

*This is a combined sewer overflow outfall. This water can become polluted during or after rain events or snow melt. It is not advisable to swim or fish here during these conditions.*

*In the event of discharge from this outfall during dry weather or for more detailed information please call the Department of Environmental Services 277-8515*

*CSO Outfall #*

### **III. Sign Maintenance Protocol**

Protocol for maintaining signage is included in the semi-annual inspections as part of the CSO Operational Plan. The City of South Bend will replace the signage as needed and ensure compliance with the regulation requirements.

### **IV. Identification and Contact Information of Impacted Public Entities**

St. Joseph County Health Department: [mespich@sjcindiana.com](mailto:mespich@sjcindiana.com)

[envirohd@sjcindiana.com](mailto:envirohd@sjcindiana.com)

St. Joseph County Parks Department: [sslauson@sjcparks.org](mailto:sslauson@sjcparks.org)

City of South Bend Venue Parks and Arts: [jmartine@southbendin.gov](mailto:jmartine@southbendin.gov)

Berrien County Health Department: [BCHD@BCHDMI.org](mailto: BCHD@BCHDMI.org)

### **V. Summary of Comments from Public Health Department**

The St. Joseph County health department was contacted for comments regarding CSO public notification. Because the St. Joseph River flows north into Michigan, the Berrien County Health department was also contacted. No significant comments or recommendations were given from either health department to be incorporated as part of the public notification.

## **VI. Summary of Comments from Impacted Public Entities**

Both the parks departments for St. Joseph County and the City of South Bend (Venue Parks and Arts) were contacted for comments regarding CSO public notifications. No significant comments or recommendations were given to be incorporated as part of the public notification.

## **VII. Initial and Supplemental Notice Protocol Description to Public Health Departments and Public Entities**

Initial and supplemental notices for public health department and public entities will be the same for the public. See below.

## **VIII. Initial and Supplemental Notice Protocol to the Public**

Initial and supplemental notices to the public will be the same as for the public health departments and public entities. See below.

### **Initial Notice**

During wet weather, an overflow event alert will be sent using a distribution list automated emailing system. When a snowmelt overflow event occurs, a manual email notification will be sent. The alert notification will indicate that an overflow is likely to be discharging into the St. Joseph River on that day. Public access areas that potentially could be impacted are the East Race Waterway and any boat launches between the Logan Street Bridge and the 80/90 Toll Road. The health departments of both St. Joseph County and Berrien County will be part of this list to receive email notice of possible overflow events as well as both the St. Joseph County Parks department and City of South Bend Venue Parks and Arts as well as anyone from the public who has signed up to receive these messages.

In the event of a dry weather overflow event, the email alert will be sent by City personnel within four hours of being aware of the overflow discharge. The same distribution list will be used.

Members of the public will be encouraged to sign up for the City of South Bend's Public Notifications at [sbwetweather@googlegroups.com](mailto:sbwetweather@googlegroups.com) to be notified via email for the initial and supplemental notices.

These notifications could be delayed beyond 4 hours due to malfunctions in the computer system and a notification is not sent out. Every effort will be made to keep this from occurring.

#### Supplemental Notice

The supplemental notification will be sent via email within 7 days of becoming aware that a CSO event occurred. The supplemental notice will be sent to the same distribution list email as the initial notice.

It will include the following information:

- An estimated CSO discharge volume \*
- Time discharge ended

Note: An overflow event will not require a supplemental notice if the volume and time discharge ended are known at the time the initial four hour alert is done.

- Snowmelt Estimations - Diversions will be estimated at <10,000 gallons unless the diversion is visually observed, then estimate will be determined by visual estimation.

## **IX. CSO Point Description and How Volume and Duration will be Measured or Estimated**

Permanent level sensors provide data for the five largest CSOs in South Bend's system (CSOs 003, 006, 022, 037, and 045). This data is used to calculate CSO volume and duration. For the remaining non-metered CSOs, a matrix relating precipitation to CSO volume is used to estimate CSO volume and the same for duration. In the event permanent level sensors cannot be used to calculate CSO volume and duration, the matrix will be used.

For Dry Weather Overflows, the City will estimate the volumes and duration of the CSOs from data measured by sensors.

## **X. Model Summary and Calibration Description**

For non-metered CSO's, a matrix relating precipitation to CSO volume is used to estimate CSO volume and the same for duration. The discharge start time for non-metered CSOs is estimated from the precipitation start time. The matrix was created from South Bend design storm XPSWMM model run results dated January 2014.

The City of South Bend will assess whether re-calibration is of the model necessary every 5 years, and recalibrate if necessary.

## **XI. Annual Report Protocols**

The City of South Bend will make available to the public an annual notice describing CSOs that occurred in the preceding calendar year. This annual notice will be available on the City's website. The EPA will be notified by email of the availability of the annual report to [NPDES\\_CS0@epa.gov](mailto:NPDES_CS0@epa.gov) that will include a link to the annual notice. The contact information (name, title, phone number, email) of the CSO Manager who will be responsible for maintaining the website will be included. IDEM NPDES program director will be copied on this email. This notification will be done by May 1 of each year beginning 5/1/19. The annual report will consist of a compilation of the prior year's CSO MROs and will include the following:

- The location and receiving water for each CSO discharge point.
- The date, location, approximate duration, measured or estimated volume and cause of each wet weather CSO discharge that occurred during the past calendar year.
- The date, location, duration, volume and cause of each dry weather CSO discharge that occurred during the past calendar year.
- A summary of available monitoring data for CSO discharges from the past calendar year.
- A description of any public access areas potentially impacted by each CSO discharge.
- If precipitation was the cause of a discharge, the representative precipitation data in total inches, to the nearest tenth of an inch (0.1") that resulted in a CSO discharge.
- Permittee contact information, if not listed elsewhere on the website where the annual notice is provided.
- A concise summary of the implementation of the nine minimum controls and the status of the implementation of the LTCP or other plans to reduce or prevent CSO discharging including:
  - a. A description of key milestones remaining to complete the implementation of the plan:

- b. A description of the average annual number of CSO discharges anticipated after implementation of the LTCP.

## **XII. Modifications to Public Notification Plan**

This plan was modified on 2/8/19 to include notification procedures regarding snowmelt.