



# LMAS DISTRICT HEALTH DEPARTMENT

Environmental Health ■ Personal & Family Health ■ Emergency Preparedness

[www.lmasdhd.org](http://www.lmasdhd.org)

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Manistique, MI 49854  
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August 27, 2018

City of Manistique  
Attn: Corey Barr  
300 N Maple St  
PO Box 515  
Manistique, MI 49854

RE: CSO Notification Plan

Dear Mr. Barr:

After reviewing the CSO Plan Guidance Document and discussing the notification requirements with our Public Information Officer (PIO) Kerry Ott, we feel that the best way to provide the required notice to LMAS is for you to contact her directly. She would prefer a text to her cell phone. Once she receives the text, she will assist with notifying the public by putting the information on the LMAS Facebook page. This will also increase your outreach areas. The text may be as simple as referring Kerry to the City of Manistique website for the required information. The text will be sent to Kerry within the required 4 hour time-frame noted in the Public Notification Requirements. The notice to LMAS will include information required in 40 CFR 122.38(a)(2)(i)&(ii) which is similar to Public Notice under 40 CFR 122.38(a)(3)(i)&(ii).

The discharge location into the Manistique River is not considered a direct human contact area (i.e. this is not a designated swimming location as the current is strong and considered dangerous for swimming). This area is utilized for boating, fishing, and kayaking/SUP. The mouth of the river into Lake Michigan is not directly connected to any designated public beach. Accessible sandy shorelines closest to this area are protected by two break walls located on each side of the mouth of the Manistique River. These locations are discouraged for use for swimming due to strong riptides. These areas are part of a designated walking path known as the Manistique Boardwalk. The closest designated public beach is sampled by the local health department from Memorial Day to Labor Day. In 2018, this beach area tested well below the daily maximum geometric mean of 300ppm. This information can be found at <http://www.deq.state.mi.us/beach/Default.aspx?County=77>.

The Water Quality Standard for *E. coli* was developed to protect human health during work and play, and is the maximum amount of *E. coli* that is allowable in surface waters of the state. These standards, known as the total and partial body contact (or recreation) standards, apply to all waters of the state, including streams, rivers, wetlands, lakes and beaches. The water quality standard is more conservative during the summer to protect swimmers during total body contact.

Water Quality Standard for *E. coli*:

Total Body Contact (May 1 - October 31):

Daily Maximum Geometric Mean: 300 *E. coli* per 100 milliliters (ml)

30-Day Geometric Mean: 130 *E. coli* per 100 ml

Partial Body Contact (all year):

Daily Maximum Geometric Mean: 1,000 *E. coli* per 100

For the reasons noted above, any CSO from this location would not require bacteriological water testing. This correspondence represents the input and recommendations of the LMAS District Health Department regarding Combined Sewage Overflows in the City of Manistique. If there is anything else that we can assist you with in regards to your CSO Notification Plan please feel free to contact me at the number listed below.

Sincerely,



Jennifer Hubble, Sanitarian  
LMAS District Health Department  
Schoolcraft County Office  
(906) 341-6951