



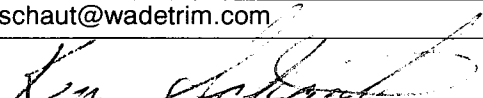
MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER RESOURCES DIVISION  
**Report of Discharge**

*This information is required to be submitted under Michigan Act 451, Public Acts of 1994, as amended, Part 31, Section 324.3112a. Potential fines and penalties specified in Part 31 apply to this requirement.*

**Type of Discharge Being Reported**

- ☐ **RTB Discharge:** The reported discharge was from a retention and treatment basin (RTB), or equivalent structure, which serves a municipal combined sewer system. The RTB or equivalent structure is designed in accordance with approved plans, and operated in accordance with criteria in a permit, order, or other enforceable document issued by the Michigan Department of Environmental Quality (MDEQ) or by court action. This type of discharge is commonly referred to as an RTB discharge.
- ☐ **CSO Discharge:** The reported discharge is from a municipal combined sewer system and is not from a facility which is designed to meet final performance criteria specified in a permit, order, or other enforceable document. The discharge is associated with wet weather events. This type of discharge is commonly referred to as a combined sewer overflow (CSO).
- ☒ **SSO Discharge:** The reported discharge is from a private or municipal separate sewer collection system (not wastewater treatment plant) during wet or dry weather, or a dry weather discharge from a municipal combined sewer collection system. This type of discharge is commonly referred to as a sanitary sewer overflow (SSO).
- ☐ **Other:** The reported discharge was of untreated or partially treated sewage (definition in Section 3112a) which is not characterized by one of the conditions listed above. A detailed description of the discharge is provided below.

**Report Submitted By**

Name	Kenneth Schaut	
Position	Project Manager	
Address	3161 South Lake Mitchell Drive	
City, State, Zip code	Cadillac, MI 49601	
County	Wexford County	
Telephone No.	231-775-0155	
E-mail address	kschaut@wadetrim.com	
Signature		Date 10/24/17

**Sewer System Owner**

Name	Lake Mitchell Sewer Authority
Address	3161 South Lake Mitchell Drive
City, State, Zip Code	Cadillac, MI 49601
County	Wexford

**Discharge Information (see instructions for completing this section)**

Volume discharged (specify units, either gallons or million gallons)	Approximately 41,000 gallons of diluted raw sewage.
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Quality of discharge(s) (such as raw sewage, diluted raw sewage, partially treated, RTB, blended, etc.)	Partially Diluted Raw Sewage. This was due to infiltration and was determined by the elevated flows during a continuous 17 hour rainfall event.			
Reason for the discharge(s)	<p>The Operation &amp; Maintenance Technician responded to an alarm at SPS 1B (sewer lift station) at 6:45 p.m. on 10/23/17. Upon arrival, the Technician observed the station was alarming due to high water. The lift station started overflowing at 8:57 p.m. and continued to discharge intermittently throughout the night. The last recorded discharge was at 6:12 a.m. on 10/24/17. At the time of discharge, there was heavy rainfall.</p> <p>A major contributor that is effecting the discharge in heavy rain events, are sump pumps, roof/foundation drain connections, and residences broken/open cleanout caps.</p>			
Location of the discharge(s)	1754 East Lake Mitchell Drive, Cadillac, MI 49601			
Surface waters impacted by the discharge(s)	Yes. The wetlands located directly to the east of the station was impacted by the discharge.			
Land impacted by the discharge(s)	Yes. The sewer went beyond the cement pad at the lift station and was discharging to the ground.			
Discharge event start date and time	Date: 10/23/17 Time: 8:57 p.m.			
Discharge event end date and time	Date: 10/24/17 Time: 6:12 a.m.			
Is the sewer system owner in compliance or not in compliance with applicable discharge permits, laws, rules, and orders?	<input checked="" type="checkbox"/> In compliance  <input type="checkbox"/> Not in compliance		If not in compliance, please explain:	
Initial notification date and time (if no notice or >24 hrs of discharge, please explain at the end of the form)	<u>MDEQ</u>  Date: 10/24/17 Time: 8:10 a.m.		<u>Local Health Department</u>  Date: 10/24/17 Time: 1:15 p.m.	<u>Daily Local Newspaper</u>  Date: 10/24/17 Time: 1:15 p.m.
Notification that the discharge has concluded (if the discharge was still occurring at the initial notification)	<u>MDEQ</u>  Date: Time:  <input checked="" type="checkbox"/> Not applicable		<u>Local Health Department</u>  Date: Time:  <input checked="" type="checkbox"/> Not applicable	<u>Daily Local Newspaper</u>  Date: Time:  <input checked="" type="checkbox"/> Not applicable
Precipitation type and measurements, if applicable	Type: Rain	Amount: 2.5"	Start Date/Time: 10/23/17 approx. 12:00 p.m.	End Date/Time: Light rain at time of reporting
Name of wastewater treatment facility normally receiving sewage	City of Cadillac Wastewater Treatment Plant			
Was this discharge disinfected to meet fecal coliform limitations?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not applicable			



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Actions taken to minimize the impact from the discharge(s), if any	<p>The O&amp;M Technicians controlled the upstream lift station by hand to minimize the amount of flow going into the station that was discharging (SPS 1B). When the discharge event ended, staff cleaned, raked/broadcasted lime over the impacted areas, and taped off the area with caution tape to prevent access until it is dry and the lime is absorbed.</p> <p>If any further action is needed, please advise.</p>				
Actions taken or that will be taken to prevent reoccurrence of the discharge(s), if any	<p>The discharge event occurred due to a 17 hour rainfall event. The other factor are sump pumps, foundation/roof drain connections, and residences broken/open cleanout caps.</p> <p>In June, the Lake Mitchell Sewer Authority sent the customers of the sewer system a correspondence that informed them that sump pumps, roof/foundation connections were a violation of the LMSA ordinance.</p> <p>In September, LMSA sent a correspondence to the residents located between lift station 2B and the Bear Den Metering station informing them of an up-coming smoke test event. This is the division of the system that is suspected to have major infiltration issues. The correspondence also included a notice regarding illegal connections, please refer to the attachments. The smoke test event occurred between September 26<sup>th</sup> and October 6<sup>th</sup>.</p> <p>The Lake Mitchell Sewer Authority is also in the final stage of completing their new regulations that will mandate stricter guidelines for the discontinuous of sump pumps and roof/foundation connections to the LMSA sewer system.</p>				
Results of <i>E. coli</i> testing (select one)	<table border="0"><tr><td><input type="checkbox"/> Results pending (provide expected date of submittal)</td><td><input type="checkbox"/> Results attached</td><td><input type="checkbox"/> Testing waived by local health department</td><td><input checked="" type="checkbox"/> Not applicable no discharge to surface waters</td></tr></table>	<input type="checkbox"/> Results pending (provide expected date of submittal)	<input type="checkbox"/> Results attached	<input type="checkbox"/> Testing waived by local health department	<input checked="" type="checkbox"/> Not applicable no discharge to surface waters
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Additional Information (Check any box that is appropriate)	<p><input checked="" type="checkbox"/> (1) The reported discharge was caused by a party other than this sewer system owner and over which this owner had no control or knowledge of the actions which resulted in the discharge. Reporting and corrective actions by this sewer system owner were conducted in a timely manner upon becoming aware of the condition.</p> <p><input type="checkbox"/> (2) The reported discharge was from an RTB, <u>and</u> the level of treatment provided is in full compliance with <u>final</u> performance criteria in a permit, order, or other enforceable document issued or entered between the MDEQ and the discharger, or by court action.</p> <p><input type="checkbox"/> (3) The reported discharge was of partially treated sewage that bypassed one or more treatment units at the wastewater treatment facility.</p> <p><input type="checkbox"/> All effluent limits were met during the event</p> <p><input type="checkbox"/> All effluent limits were not met during the event (please explain)</p>				