



Sanitary Sewer Overflow Annual Report

Division of Surface Water

Date: 3/30/2015
Facility name: City of Toledo Bayview Park, Toledo, Ohio, Lucas County
Ohio NPDES permit no.: 2PF00000*MD
Period covered by report: 1/1/2014 through 12/31/2014

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Certification:

I certify under penalty of law that I have personally examined and am familiar with the information in this report and all attachments. Based on my inquiry of those persons immediately for obtaining the information contained in the report, I believe that the information is true, accurate, and complete.

Name Adam Zolciak **Title:** Sr. Professional Engineer
(typed):

Signature: Adam Zolciak **Date:** 3/30/15

Enter narrative analysis of WIB patterns by location, frequency and cause.

The Total number of Service Requests (SR) received by the City of Toledo Sewer Division for WIB in 2014 was 1078 (with a total of 340 due to main line issues as above) with only 4 significant rainfall events accounting for 329 of the 1078. . No other time periods throughout the year produced a significant concentration of SR's for WIB. A Rain event is established by the Sewer Division when crews are required to respond to the SR's on a around the clock basis until the incoming SR's cease.

The month of January was the snowiest on record for Toledo with snowfall of 40 inches for the month. There was a warming trend beginning on January 11th and continuing thru the 14th with temperatures rising to the high 40 degree mark during the day and falling back to freezing temps overnight. The combination of light rain, rising temps, and considerable snow on the ground produced 119 SR's for WIB for the month of January with 38 of those complaints generated during the warming trend and 29 of the 38 complaints being private issues. Excessive surface water being the culprit of this concentration where typically the lateral connections from the buildings to the public main require cleaning maintenance.

A rain event during February 20th, 21st, & 22nd generated 165 Service Requests (SR). Rainfall on February 20 was 1.4 inches with a high temp of 51 degrees. Accumulated snow blocked many storm water drainage systems in the residential areas which created considerable ground water coming into foundation holding areas resulting in flooded basements. The complaints from this rain event were widespread throughout Toledo with no real significant area of concentration.

Two other rain events produced a concentration of WIB SR's. 3.2 inches of rain fell on August 11th briefly overwhelming storm drainage systems that handle street runoff. This rain event generated 41 WIB complaints and street flooding largely in west Toledo. On September 10th 1.6 inches of rain fell and generated 119 complaints. The rainfall on August 11th was a downpour lasting a short period of time. The rain on September 10th fell over a longer period of time and was preceded by light rain during the previous week.

Overall precipitation for the year was in the average range with a total of 31.7 inches of rain, 34.2 inches of rain is normal. The City of Toledo only saw rainfall exceed 1 inch 3 times for the year and only a handful of rain days near 1 inch. The City of Toledo made 157 repairs to correct sewer backups or plugged sewer lines that effected service to residential or commercial buildings. The vast majority of these repairs are made on the lateral pipes that connect to the public main and are caused by tree root intrusion, open joints on pipes, and shifted or collapsed pipes.