



Lake County Department of Utilities  
105 Main Street, 3<sup>rd</sup> Floor  
Painesville, Ohio 44077-0490  
Phone (440) 350-2652  
Fax (440) 350-5784  
[www.lakecountyohio.org](http://www.lakecountyohio.org)

February 9, 2015

**Re: Village of Fairport Harbor Sewer Inflow & Infiltration Investigation**

Dear Resident:

You are invited to attend a **public meeting at 6:00 pm, February 23, at the Village Senior Center**, located at 1380 East Street. This meeting is being conducted on behalf of the Lake County Department of Utilities (LCDU), Lake County Stormwater Management Department (LCSMD), and the Village of Fairport Harbor.

The meeting will discuss the following items:

- Review of the sewer systems in the Village
- What is Inflow & Infiltration?
- Recent and upcoming work
- Results of October 2015 survey questionnaire
- 2016 Inflow & Infiltration Investigation

The LCDU, LCSMD, and the Village remain committed to working together to address issues which affect the residents of the Village. We look forward to you attending and participating in the meeting on February 23.

Sincerely,

Richard L. Martin  
Executive Director  
Lake County Department of Utilities

Tim Manross  
Mayor  
Village of Fairport Harbor

Timothy A. Miller  
Director  
Lake County Stormwater Management Department



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October 19, 2015

**Re: Village of Fairport Harbor Sewer Inflow & Infiltration Investigation**

Dear Resident:

An investigation of the three individual sewer systems (1-2-3) in the Village will soon begin. The investigation will use an "Integrated Approach" and will be a joint effort between the Lake County Department of Utilities (LCDU), Lake County Stormwater Management Department (LCSMD), and the Village. *The objective of this investigation will be to determine potential future actions and improvements to minimize inflow and infiltration (I&I) into the public sanitary sewer system and improve the efficiency of the public storm sewers.* The 1-2-3 investigation will consist of:

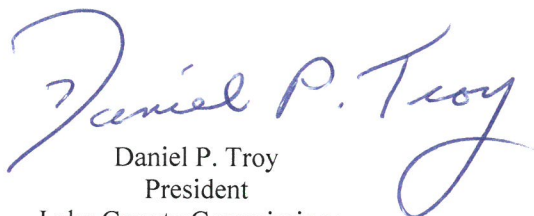
1. Public sanitary sewers (LCDU responsibility & maintenance)
2. Private sanitary service laterals (property owner responsibility & maintenance)
3. Public storm sewers (Village responsibility & maintenance)

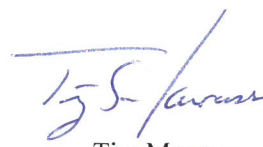
Enclosed is a questionnaire that will help identify areas of concern. Please fill out this survey and return it in the enclosed self-addressed stamped envelope.

Burgess & Niple, Inc. (B&N), a local engineering firm located in Painesville, will be assisting the County with this investigation. If you have any questions, please call Rob Hrusovsky Jr., project engineer (B&N), at (440) 354-9700 or e-mail him at [robert.hrusovsky@burgessniple.com](mailto:robert.hrusovsky@burgessniple.com).

The LCDU, LCSMD and the Village remain committed to working together to address issues which affect the residents of the Village. Thank you for taking a few moments to complete and return the enclosed survey. This information is vital in assisting us to continue investigating the issues in the Village.

Sincerely,

  
Daniel P. Troy  
President  
Lake County Commissioner

  
Tim Manross  
Mayor  
Village of Fairport Harbor



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## SURVEY QUESTIONNAIRE

**PLEASE RETURN BY NOV. 6**

The Lake County Department of Utilities (LCDU), Lake County Stormwater Management Department (LCSMD) and the Village of Fairport Harbor are conducting an area-wide investigation of the stormwater and sanitary sewer systems within the Village. In order to better serve you, it is important that we are made aware of stormwater and sanitary sewer problems your property may be experiencing. Please take a moment to fill out this survey and return it in the enclosed self-addressed stamped envelope. Thank you for your cooperation.

Name (optional): \_\_\_\_\_

PROPERTY ADDRESS: \_\_\_\_\_  
\*\*\*IMPORTANT\*\*\*

1. How long have you been located at this address? (years)

\_\_\_\_\_

2. Do you have:

☐ Basement ☐ Split level ☐ Crawl Space ☐ Slab

- ☐ A yard that slopes away from the building?  
☐ A yard that slopes toward the building?  
☐ A depressed trench or low area in the yard?  
☐ Large established trees near the building?

3. Do you experience any type of flooding in/on your property?

*Check all that apply.*

☐ Basement ☐ Front Yard ☐ Back Yard ☐ Street  
☐ Drive ☐ Other ☐ None

\*Comment: \_\_\_\_\_

4. If basement flooding occurs, what is the usual depth of the water (inches)? \_\_\_\_\_

5. If flooding occurs on your street:

How long does the water stand (hours)? \_\_\_\_\_

Was there standing water in your yard?

☐ Yes ☐ No

If yes, ☐ Front Yard ☐ Back Yard ☐ Both

If yes, ☐ During average rain ☐ During heavy rain

6. How does unwanted water enter your basement?

*Check all that apply.*

- ☐ Basement floor drains  
☐ From drains in window wells  
☐ From basement walls  
☐ From perimeter of basement floor  
☐ From sump overflowing  
☐ Don't know  
☐ Other \_\_\_\_\_

7. How many times have you had water in your basement?

*List dates if known.*

- ☐ In the past 5 years \_\_\_\_\_  
☐ In the past 7 years \_\_\_\_\_  
☐ Never

**CONTINUED ON BACK**

8. Describe water in basement. *Check all that apply.*

- ☐ Clear    ☐ Muddy    ☐ Murky (gray or black)  
☐ Odor    ☐ No Odor    ☐ Not applicable

9. What kind of special equipment do you have to take care of or prevent basement flooding? *Check all that apply.*

- ☐ Sump pump  
☐ Back-up valve / Backflow preventer  
☐ Standpipe  
☐ Other \_\_\_\_\_  
☐ None

10. If you have experienced flooding, when does it occur?

- ☐ During an average rain event  
☐ Only during a heavy rain event  
☐ Immediately after a rain event  
☐ The rain event is not a factor  
☐ Have not noticed  
Cause if other than rain: \_\_\_\_\_

11. If a sump pump is used, when and how often does it run?

*Check all that apply.*

- ☐ Runs periodically during dry weather  
☐ Runs often during dry weather  
☐ Runs as soon as rain begins  
☐ Runs continually during rain  
☐ Rains continually after rain stops  
☐ Stops running when rain stops  
☐ Not applicable

12. Where does the discharge from your sump pump flow?

- ☐ To curb outlet  
☐ To storm sewer  
☐ To sanitary sewer  
☐ Onto ground in front yard  
☐ Onto ground in back yard  
☐ Don't know  
☐ Other \_\_\_\_\_  
☐ Not applicable / do not have sump pump

13. What is the total number of roof downspouts you have? \_\_\_\_\_

Number of downspouts connected into the ground \_\_\_\_\_

- ☐ Discharges to curb outlet  
☐ Discharges to ditch  
☐ Do not know where it discharges to  
☐ Storm sewer  
☐ Sanitary service lateral

Number of downspouts that splash onto ground \_\_\_\_\_

14. Have you ever had your private sanitary service lateral inspected (televised) from within your property structure? (This is your private sanitary sewer pipe running from your house, connecting to the public sanitary sewer.)

☐ Yes    ☐ No

If yes, what was determined from the inspection?  
\_\_\_\_\_

15. Do you know if any of the following are connected to your sanitary service lateral?

- ☐ Yes, downspouts  
☐ Yes, sump pump  
☐ Yes, basement drain (washtubs/laundry/toilet/shower)  
☐ None

16. In your opinion, yard and street flooding is caused by:

*Check all that apply.*

- ☐ Street grade problems    ☐ Aging infrastructure  
☐ Yard grade problems    ☐ Blocked catch basin  
☐ Not enough storm sewers    ☐ Blocked curb inlet  
☐ Storm sewers too small    ☐ Blocked storm sewer  
☐ Sanitary sewers too small    ☐ No flooding problem  
☐ Other \_\_\_\_\_

Comment: \_\_\_\_\_

17. What best describes the storm water drainage on your street?

- ☐ No storm sewers  
☐ Roadside ditches  
☐ Catch basins with storm sewer pipes  
☐ Curb with gutter leading to catch basin

18. Would you be willing to be contacted for a more detailed discussion of your drainage issues?

☐ YES    ☐ NO

If yes, best time to call: \_\_\_\_\_

Telephone number: \_\_\_\_\_

Email Address: \_\_\_\_\_

19. Would you be willing to participate in having your plumbing inspected and private sanitary service lateral cleaned and inspected (free of charge)?

☐ YES    ☐ NO

If yes, best time to call: \_\_\_\_\_

Telephone number: \_\_\_\_\_

20. If you have any photos (or any other documentation) of the flooding that occurs on your property or street please attach a copy of them with a date the flooding occurred. You may also email them to [robert.hrusovsky@burgessniple.com](mailto:robert.hrusovsky@burgessniple.com). Any information is greatly appreciated and will help with the investigation.

**COMMENTS:** \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Please return your completed questionnaire by Nov. 6**

**Thank you for your participation in this survey.**