

*****NOTIFICATION OF SEWER CONSTRUCTION WORK*****

February 20, 2013

Re. **Construction Work in Your Neighborhood, Possible Odors**
Northeast Ohio Regional Sewer District
Combined Sewer Overflow Rehabilitation Contract -010 (CSORC-010)

The Northeast Ohio Regional Sewer District (NEORS) would like to inform you of upcoming sewer improvement work in your neighborhood. The work, which will be performed by Reynolds Inliner LLC, is necessary to repair existing sewers on **E. 123rd Street between Parkway Road and Fairport Avenue**. Please see the attached map for the lining work location(s).

The project is anticipated to begin on February 26, 2013, and will last approximately one day; the work will be continuous over this period. Please note that the start date is subject to change based on weather conditions. Also, during construction, water service and sewer usage will not be interrupted, and traffic on your street will be maintained.

Additionally, the majority of the work will be performed by installing a new liner known as cured-in-place-pipe. **This liner contains styrene resin which yields odors.** Although it can be detected by the human nose, the odor, although a nuisance, is at levels significantly lower than the allowable exposure limits deemed safe per OSHA and NIOSH. Reynolds Inliner LLC will be venting the sewer, which should decrease the intensity of the odors. For your convenience, I have enclosed a FAQ sheet, which provides an overview of styrene.

Further, to lessen the possibility of odors from entering your residence or business, please pour water into your floor drains, so that your traps are not dry. Additionally, it is advisable to make certain all sink traps are filled with water.

If you should you have any questions or experience any odor problems, please contact the NEORS's Water Quality and Industrial Surveillance (WQIS) Department and ask for a Supervisor:

8:00 am – 4:30 pm (Mon. – Fri.) 216-641-6000
After hours emergency 216-641-3200

We sincerely apologize for any inconvenience this work may cause and will try to minimize disruption to the public. If you have any additional questions, please contact me at 216-857-7843

Thank you in advance for your cooperation and understanding.

Sincerely,


Geoffrey Hanson

Northeast Ohio Regional Sewer District
Senior Construction Supervisor

cc: M. Kritzer B. Page A. Jones J. Elting

CSORC-10 CIPP Lining Location CSO231FA E.123rd St. between Parkway Rd. and Fairport Ave. City of Cleveland



This information is for display purposes only. The Northeast Ohio Regional Sewer District makes no warranties, expressed or implied, with respect to the accuracy of and the use of this map for any specific purpose. This map was created to serve as base information for use in Geographic Information Systems for a variety of planning and analysis purposes. The District expressly disclaims any liability that may result from the use of this map. For more information, please contact: Jeffrey Duke, P.E., GISP (Technical Services) 3900 Euclid Avenue, Cleveland, Ohio 44115 (216-881-6600)

Legend

- District Flow Regulator
- Automated Regulator
- Fixed Weir Regulator
- Fixed Weir Re-Regulator
- Sanitary Flow Divider
- Backflow
- Hydrobrake
- Manual Gate
- Siphon
- Unknown Device
- District Pump Station
- District Facility
- District CSO Permit Point
- District Drop Structure
- District Floatable Control
- District Odor Control
- District Monitoring
- Flow Meter
- Level Monitor
- Rain Gauge

1: 1,266

Coordinate System: Ohio State Plane North Feet
 Datum: NAD 1983 (NAVD 1988)
 Projection: Lambert Conformal Conic
 Sources: NEORSD Collection System GIS, Cleveland GIS, Cuyahoga County GIS, Summit County Auditor and DOES, Lorain County Auditor, Lake County GIS
Map Created: 2/7/2013

Notes



What type of sewer work is being done in my neighborhood?

The Sewer District will be installing a new liner in the sewers known as cured-in-place-pipe (CIPP).

Why is it necessary?

Through inspection and condition assessment, the Sewer District has identified combined sewer overflow sewer pipes and structures within the Easterly, Southerly, and Westerly Districts that are deteriorated and require structural rehabilitation. In general, the sewer deterioration included fractures, missing bricks, holes, and locations where ground water is entering the sewer.

What is the duration of the project?

The project, called Combined Sewer Overflow Rehabilitation Contract -010 (CSORC-010), was issued Notice to Proceed on June 16, 2011. The final completion date is April 11, 2013. The specific work in your neighborhood is anticipated to start on **February 26, 2013** and will last approximately one day. The work will be continuous over this period.

How will the project impact the neighborhood?

The CIPP liner used in the project includes a polyester resin, and the resin includes a chemical called styrene, which yields odors. Although the odor can be detected by the human nose and is a nuisance, it is at levels significantly lower than the allowable exposure limits deemed safe per Occupational Safety and Health Administration (OSHA) and National Institute for Occupational Safety and Health (NIOSH).

Is styrene safe?

Styrene has a **VERY** low odor threshold and can be detected by the human nose at levels as low as 0.14 ppm (parts per million), a level that is significantly lower than the current federal OSHA Permissible Exposure Limits (PELs) for styrene (100 ppm for an 8-hour Time Weighted Average and 200 ppm as a ceiling not to be exceeded). This project will not exceed styrene levels beyond what is considered safe by OSHA and NIOSH.

Further, the Sewer District has been relining sewers with the cured-in-place pipe (CIPP) system since 2005 and CIPP has been used in the industry since 1974. The Sewer District is not aware of any health problems associated with CIPP installations. The CIPP resin material is constructed from the same type of plastic that is used in the transportation, construction, marine and clothing industries.

Who is the contractor?

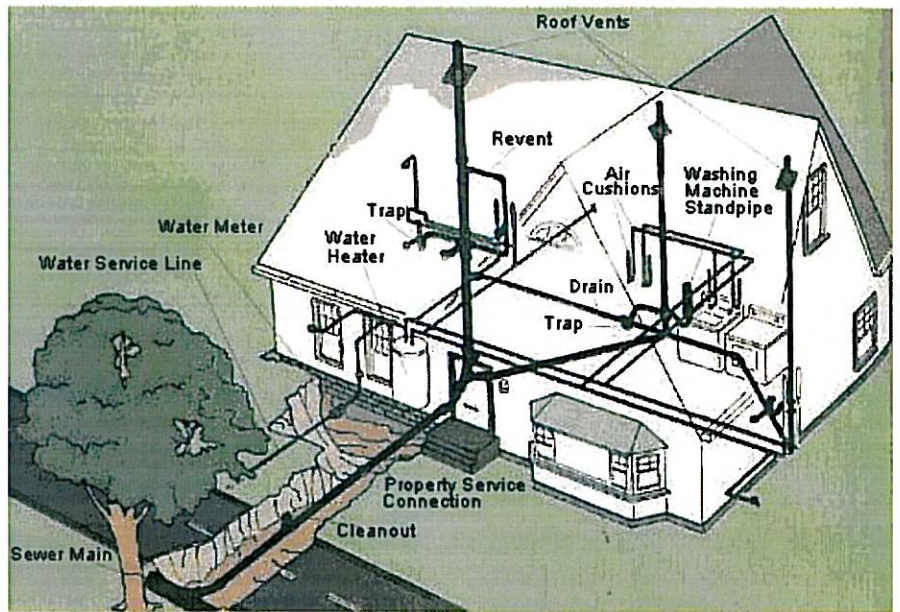
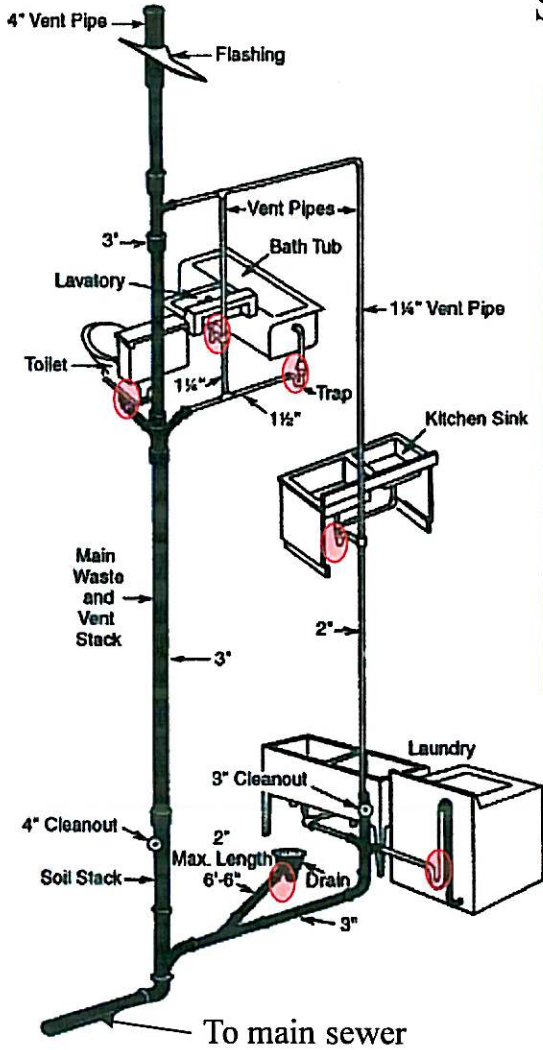
Nerone & Sons (Prime Contractor)
19501 South Miles Road, Warrensville Hts, Oh 44128

Reynolds Inliner, LLC (CIPP Installer)
4143 Weaver Court, Hilliard, Oh, 43026

If I should have question about this project, who should I contact?

Sewer District Construction Supervisor: Geoff Hanson at 216.857.7843.

Sewer Traps



○ Possible locations for sewer traps

