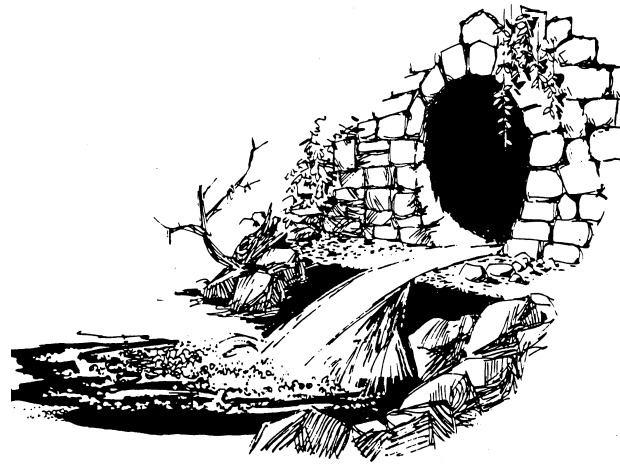




**DELCORA
CSO
LONG TERM
CONTROL PLAN
2011**

**PLAN
UPDATE**



Community Education Series

What is a Combined Sewer Overflow (CSO)?

Some communities collect both rainwater runoff and sanitary wastewater in the same sewer. These are called "Combined Sewers". Sometimes when it rains, sewers do not have enough capacity to carry all the rainwater and wastewater and the treatment plant is not large enough to treat the total combined flow. In these



situations, the combined wastewater overflows untreated into the nearest body of water, streams or rivers, creating a combined sewer overflow.

In the case of storm water from the street, whatever litter, also known as floatables, that is in the street washes into the CSO and either to the treatment plant or directly into our community's streams, rivers, and water bodies. Inlets help to keep trash and other floatables out of the sewer system.

PROGRAM ACTIVITIES

Under the current CSO Long Term Control Plan (LTCP), DELCORA provides \$75,000.00 per year to the City of Chester to replace storm-water inlets. The DELCORA program will act in concert with the City's efforts to replace the inlets with a PennDOT approved type M inlet. Inlets are the openings adjacent to the roadway curb that direct stormwater runoff to the sewer system. The type M inlet is installed in the roadway. It has steel grates that prevent trash from entering the sewer.

Inlets are replaced to reduce the amount of litter and other floatables that enter the sewer system. These pollutants clog the system, causing sewer backups, and increase treatment costs by adding non-biodegradable material to the waste stream. Replacement helps keep our streams and waterways cleaner.

DELCORA also replaces the regulators in the sewer system to maximize flow to the treatment plant. Regulators direct the wastewater to the treatment plants. To date DELCORA has replaced 15 of 25 regulators.

The US Environmental Protection Agency (EPA) ordered DELCORA to update its LTCP. The new plan was submitted February 1, 2011. EPA Approval is pending. New technologies were investigated and cost estimates were prepared. It is likely that sewer rates will increase as a result.



100 East Fifth Street
P.O. Box 999
Chester, PA 19016-0999



DELCORA'S LONG TERM CONTROL PLAN

- Identifies all Combined Sewer Overflow (CSO) Locations
- Prohibits all dry weather discharges
- Requires proper operation and maintenance of all CSO flow control regulators
- Requires an Inlet Replacement Program
- Maximizes flow treated at the Plant
- Schedules replacement of all CSO regulators over a 20 year period
- Outlines a detailed monitoring and up-keep schedule of all CSO regulators
- Develops implementation for a sewer cleaning program targeting segments with the greatest CSO impact
- Requires a Public Education program. A meeting was held November 17, 2010.

What are the benefits of the CSO Long Term Control Plan?

- ◆ A cleaner & healthier environment to live and work in.
- ◆ A planned program of level expenditures, helping to keep sewer rates stable. However, the USEPA's required update of the Plan may require more upgrades of the sewer system. It is likely that rates will increase.
- ◆ Citizen response, participation and input.
- ◆ A better citizen understanding of why the program is needed.
- ◆ Regular, monitored cleaning and repair of our sewer system.
- ◆ Improved stewardship of our water resources.

LEARN TO IDENTIFY CSO OUTFALLS

There are 28 CSO outfalls in the Chester area; thirteen drain to the Delaware River, ten to the Chester Creek and five to the Ridley Creek.

All outfalls are marked by a sign.



How you can help.

- Disconnect your downspouts from your sewer lateral.
- Don't litter! Keep trash out of sewer inlets.
- Keep grease, fats, and oils out of your drains.
- Use environment friendly cleaning agents and cleansers.
- Properly dispose of hazardous wastes.
- Dispose of prescription drugs and personal care products properly.
- Conserve your water usage.
- Learn more about CSO's.
- Remember—Clean water is everybody's business.

Want to learn more?

DELCORA welcomes and encourages your input. Additionally, tours of the treatment plant can be arranged for civic, school or church groups.

If you would like to review a complete copy of the 2011 proposed DELCORA CSO Long Term Control Plan 2011, please call or fill out the form below and mail to "Administration/CSO Information". We will gladly schedule a time during daily business hours when you can visit our Administrative offices and review the plan.

NAME _____

ADDRESS _____

TELEPHONE _____

◆ I'D LIKE TO READ THE DELCORA CSO LONG TERM CONTROL PLAN.

MAIL TO:
DELCORA
ADMINISTRATION/CSO INFO.
100 EAST FIFTH STREET
PO BOX 999
CHESTER, PA 19016-0999

Phone: 610-876-5523
Fax: 610-876-2728
Email: CSOinfo@delcora.org
www.delcora.org