

RESOLUTION #09-1019-10

Authorizing expenditure of \$5,000 for the Storm Water Phase II Compliance

WHEREAS, there is a need for compliance with the National Pollution Discharge Elimination System Phase II storm water system requirements, and

WHEREAS, staff is requesting that the Board authorize the expenditure for annual expenses of \$5000 for the Storm Water Phase II Compliance efforts previously committed to, and ongoing with the Delaware County Engineer's Office.

NOW, THEREFORE BE IT RESOLVED BY THE BOARD OF TRUSTEES OF LIBERTY TOWNSHIP, DELAWARE COUNTY, OHIO authorizes the \$5,000 expenditure for the Storm Water Phase II Compliance payable to the County Engineer's Office out of Road Department funds.

This Resolution shall be in force and become effective immediately upon its execution.

Motion made by Guzzo and seconded by Mann.

Vote: y Ms. Guzzo y Mr. Mann y Mr. Sybert

10-19-09
Date

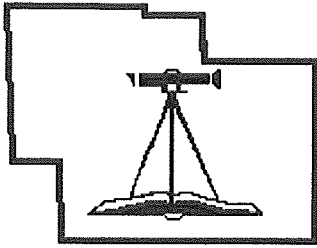
Robert Mann
Robert Mann, Trustee

Curtis J. Sybert
Curtis J. Sybert, Trustee

Peggy Guzzo
Peggy Guzzo, Trustee

CERTIFIED BY:

Mark S. Gerber
Mark S. Gerber, Fiscal Officer



Delaware County Engineer's Office

Chris Bauserman, P.E., P.S.
County Engineer

Patrick E. Blayney, P.E.
Chief Deputy Engineer

TO: Dave Anderson

FROM: Brett Bergefurd

DATE: October 1, 2009

SUBJECT: NPDES MS4 Permit Invoice

Dave,

The following information is being submitted as supporting documentation for the 2009 NPDES MS4 Permit Invoice from Delaware County Engineer's to Liberty Township. The \$5,000.00 charge is associated with the development and implementation OEPA NPDES Small MS4 permitted stormwater program in addition to the Annual Reporting requirements outlined within the permit. This amount applies to the reporting period of January 1 - December 31, 2009. This amount applies to man-hours and resources applicable to NPDES Phase II activities for the MS4 Stormwater related activities and projects within Delaware County under the Townships jurisdiction. From these activities, the development and implementation of Public Education and Outreach, Public Involvement and Participation, Illicit Discharge Detection and Elimination, and Post-Construction Water Quality programs are being developed and implemented. The applicable program projects are:

- Maintain storm water library. New links and new materials applicable to each of the six minimum control measures to educate employees on Stormwater Pollution;
- Develop an Operations and Maintenance plan associated with Roadway Operations and Maintenance;
- Create and maintain local area database integrated with DALIS system and regulated storm water system map;
- Prepare a listing report and GIS coordinate systems that discharge to regulated storm water system projects, roadway MS4's and County facilities;
- Develop an Operations and Maintenance plan associated with MS4 Operations and Maintenance;
- Development of a public relations plan integrating the six minimum control measures into the storm water management program;
- Complaints and responses hotline and data tracking relating to stormwater pollution and Township facilities;
- Maintain file of public notices and announcements for Township MS4 storm water activities;
- Review of Stormwater Pollution Prevention Plans within the Township;
- Establish a framework relating to the operation and maintenance plan for Township facilities based upon their inventory and pollution potential;
- Create and maintain digital map of regulated storm water system;
- Developing a dry weather screening program for the Regulated storm water system
- Developing a dry weather flow monitoring of regulated storm water system projects with identification and elimination methods.

In addition to this invoice for 2009 services, I would like to schedule a time convenient with your schedule to discuss the increased amount to be budgeted for OEPA NPDES Phase II activities by Liberty Township for 2010. As we had discussed earlier this year, there will be an increase in this figure over what was budgeted for in 2009 and I would like to meet with you to discuss how I have arrived at this figure. Please contact me at 740-833-2426 or email me at bbergefurd@co.delaware.oh.us. Thanks.

Sincerely,

Brett Bergefurd
Deputy Drainage Engineer
Delaware County

50 Channing Street, Delaware, Ohio 43015
(740) 833-2400 – Fax 833-2399
E-Mail: delcoeng@co.delaware.oh.us

Delaware County Stormwater Department

INVOICE

50 Channing Street
Delaware Ohio 43015

DATE September 29, 2009
INVOICE # 90911
FOR: NPDES Phase II

Bill To:
Liberty Township

DESCRIPTION	AMOUNT
NPDES Phase II Charges	\$ 5,000.00
TOTAL	\$ 5,000.00

If you have any questions concerning this invoice contact Brett Bergesford 740-833-2426

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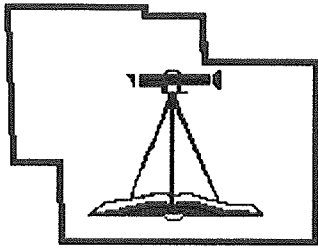
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Delaware County Stormwater Department

INVOICE

50 Channing Street
Delaware Ohio 43015

DATE September 29, 2009
INVOICE # 90911
FOR: NPDES Phase II

Bill To:
Liberty Township

DESCRIPTION	AMOUNT
NPDES Phase II Charges	\$ 5,000.00
TOTAL	\$ 5,000.00

If you have any questions concerning this invoice contact Brett Bergesford 740-833-2426

What role do we have in water quality?

Threats to water quality have shifted from pollution that comes from pipe discharges, such as industrial wastes, to a form that is harder to trace called non-point source pollution. Improvements in technology and adherence to water quality standards have helped reduce the impact of industry on water resources. However, 39% of the assessed rivers and streams in the US still have water quality impairment. Non-point source pollution, results from the accumulative effect of small pollutant sources making their way to streams by overland flow paths and through storm sewers. Many of these pollution sources can be found around our own homes. Responsible action taken by us all can help protect and improve the quality of our water resources.

Learn more and get involved with water resource protection

Ohio EPA
www.epa.state.oh.us/water

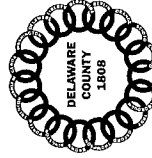
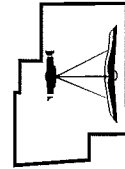
Ohio Department of Natural Resources
www.dnr.state.oh.us

Local Organizations

Friends of the Lower Olentangy Watershed
www.olentangywatershed.org

Friends of Alum Creek and Tributaries
www.friendsofalumcreek.org

Scioto River Valley Federation
www.sciotoriver.org



Delaware County Engineers
Delaware County Commissioners
Delaware Soil and Water Conservation District

557-A Sunbury Road
Delaware, Ohio 43015
Phone: 740/368-1921 ext. 4
[Http://www.delawareswcd.org](http://www.delawareswcd.org)

A Homeowner's Guide to Reducing Stormwater Pollution



What is stormwater runoff?

Stormwater runoff occurs when rain or snowmelt flows over the ground. Hard surfaces like driveways, sidewalks, streets and parking lots prevent stormwater from naturally soaking into the ground.



Why is stormwater runoff a problem?

Stormwater can pick up debris, chemicals, dirt and other pollutants and flow into a

storm sewer system or directly to a lake, stream, river, or wetland. Anything that enters a storm sewer system is discharged untreated into the waterbodies we use for swimming, fishing, and providing drinking water.

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The effects of pollution

Polluted stormwater runoff can have many adverse effects on plants, fish, animals, and people.

- Soil can cloud the water and make it difficult or impossible for aquatic plants to grow. Sediment also can destroy aquatic habitats.



Sediment being carried to storm drain. This could be discharged directly to a stream.

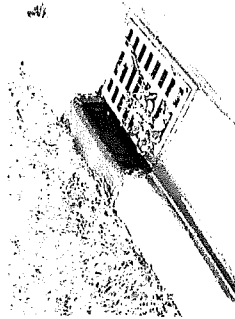
- Excess nutrients can cause algae blooms. When algae die, they sink to the bottom and decompose in a process that removes oxygen from the water. Fish and other aquatic organisms can't exist in water with low dissolved oxygen levels.



Sediment cloud caused by polluted stormwater runoff.

- Bacteria and other pathogens can wash into swimming areas and create health hazards.

- Debris – plastic bags, six-pack rings, bottles and cigarette butts – washed into waterbodies can choke, suffocate, or disable aquatic life like ducks, fish, turtles, and birds.



Debris accumulated on a storm sewer grate.

- Household hazardous wastes like insecticides, pesticides, paint, solvents, used motor oil and other auto fluids can poison aquatic life. Land animals and people can become sick or die from eating diseased fish or ingesting polluted water.

- Polluted stormwater often affects drinking water sources. This, in turn, can affect human health and increase drinking water treatment costs.

Stormwater pollution solutions

Lawn Care

Excess fertilizers and pesticides applied to lawns and gardens wash off and pollute streams. In addition, yard clippings and leaves can wash into storm drains and contribute nutrients and organic matter to streams.

- Use pesticides and fertilizers sparingly. When use is necessary, use these chemicals in the recommended amounts. Use organic mulch or safer pest control methods whenever possible.

- Compost yard waste. Do not leave it in the streets or put it into storm drains or streams.
- Cover piles of dirt or mulch being used in landscape projects.

Auto Care

Washing your car and degreasing auto parts at home can send detergents and other contaminants through the storm sewer system. Dumping automotive fluids into storm drains has the same result as dumping directly into a waterbody.

- Use a commercial car wash that treats or recycles its wastewater, or wash your car on your yard so that water infiltrates into the ground.
- Repair leaks and dispose of used auto fluids and batteries at designated drop-off or recycling centers.

Pet Waste

Pet waste can be a major source of bacteria and nutrients in local waters.

- When walking your pet, remember to pick up the waste and dispose of it properly. Flushing pet waste down the toilet is the best disposal method. Leaving pet waste on the ground increases public health risks by allowing bacteria and nutrients to wash into the storm drain and eventually into local waterbodies.