



Deerfield Regional Storm Water District

3378 Townsley Drive
Loveland, Ohio 45140-1045
Tel: 513-683-5805
Fax: 513-683-9271

Susan Berger
President
Jeffrey Thomas
Vice President
Walter Daniels
Secretary/Treasurer

October 21, 2004

Annual Report – First Permit Year Deerfield Township Storm Water Management Program

NPDES Permit Number: OHQ000001

Ohio EPA Facility Permit Number: 1GQ00036*AG

Deerfield Township's Phase II Storm Water Management Plan took effect in March, 2003. Much of the first year was spent in the formation of the Deerfield Regional Storm Water District. This district was finalized in court at the end of October, 2003. A Board of Directors was appointed and held their first meeting in March of 2004.

Because the formation of the District was a time-consuming process, the Township was not able to meet all the goals of 2003. A timeline for meeting these goals will be included under the individual BMPs.

At this point, the identified BMPs seem to be appropriate for addressing the reduction of discharge of pollutants into Deerfield Township waterways. Although 2003 was spent forming the Storm Water District, some progress was made toward meeting the measurable goals for the different control areas.

Public Education and Outreach

1. BMP: Storm water information distribution to the general public.
The Township distributes a newsletter to every household in the Township four times per year. At least once per year storm water information is included. The Township's web site also contains storm water information.
2. BMP: Develop alternative information sources such as websites, billboards, and refrigerator magnets.
Currently the Township's website is used for storm water issues. The Storm Water District is discussing an expanded web site for Storm Water issues.
3. BMP: Conduct storm drain stenciling, tagging project with accompanying door hangers for residents.
The storm water district has contracted with the Warren County Soil and Water Conservation District for this service
4. BMP: Storm water education program for school children.
The storm water district has contracted with the Warren County Soil and Water Conservation District for this service.
5. BMP: Organize school/community sponsored action projects such as stream cleanup, riparian tree planting, stream bank stabilization.
The Landen Farms Community Services Association of Deerfield Township cleans up the area around Landen Lake annually, with a cleanup conducted the summer of 2003. Deerfield Township's largest watershed, Simpson Creek, which feeds Landen Lake, is cleaned on an "as needed basis,"

with the last cleanup conducted the summer of 2002. Additional watershed, lake, and stream cleanups are planned for the future in conjunction with the Warren County Soil and Water Conservation District and the Landen Farms Community Services Association.

6. BMP: Create a storm water hotline.
The Township fields storm water questions through its Public Works Department.
7. BMP: Develop watershed/tributary signage to identify streams.
The Storm Water District will work with the Warren County Soil and Water Conservation District on this.

Public Participation/Involvement

1. BMP: Conduct public meetings to obtain community input.
The Township met with residents in 2003 during the formation of the Storm Water District. The Board of Trustees for the Deerfield Regional Storm Water District has public meetings monthly.
2. BMP: Creation of “adopt a storm drain program”, and “adopt a stream” within the Township.
The Storm Water District will work with the Warren County Soil and Water Conservation District on this.

Illicit Discharge Detection and Elimination

1. BMP: Create a map of the home sewage treatment systems.
As funding becomes available, the Deerfield Regional Storm Water District will work on this project.
2. BMP: Identify illicit connections through dry weather screening and targeted video inspection.
In the fall and spring, Deerfield Township road crews monitor major discharge pipes. The Storm Water District plans to formalize this monitoring and create official surveys.
3. BMP: Develop a storm drain system map.
The Warren County Engineer’s Office has mapped 25-35% of the Township not including detention basins. The District will continue this mapping throughout the permit period.
4. BMP: Illicit discharge/illegal dumping hotline.
The Township fields storm water issues through its Public Works Department which works with the Warren County Health Department on illegal discharge and dumping issues.

Construction Site Runoff Control

1. BMP: The WCSWCD currently administers construction site runoff control within Deerfield Township for projects involving areas of disturbances of five (5) acres or greater in size. . .After the storm sewer district is formed, that district will adopt similar regulations for all projects disturbing one (1) acre or more within the Township.
The goal calls for draft regulatory guidelines within the first year of the formation of the Storm Water District with final guidelines available within two years. The District is in the process of hiring a consulting engineer who will work with the Warren County Soil and Water Conservation District and the Warren County Engineer’s Office to help draft these guidelines. Although the draft guidelines will probably not be ready by the end of the first year, the District plans to have the final guidelines in place by the end of the second year.
2. BMP: Develop a certification program for contractors.
The consulting engineer hired by the Storm Water District will work with the Warren County Soil and Water Conservation District and the Warren County Engineer’s Office to develop the certification program.

Post Construction Runoff Control

1. BMP: Continue to administer, in cooperation with the Warren County Engineer's Office, the "post development runoff management" program through the existing "Warren County, Ohio Rules and Regulations for the design of sewer and storm water management systems."
The Rules and Regulations are currently in place in the Township. The Storm Water District will work with a consultant and the Warren County Engineer's Office to modify these rules as necessary.
2. BMP: Develop master plans, comprehensive plans, and integrated zoning ordinances to promote and improve water quality by guiding the growth of the community away from sensitive areas and restricting certain types of growth to areas that can support it without compromising water quality.
Deerfield Township and the Storm Water District, working with a consultant and the Warren County Engineer's Office, will develop these plans by the end of the permit term.

Pollution Prevention/Good Housekeeping

1. BMP: Training for public employees of the Township.
The Township has had in-house safety talks and has revised procedures for vehicle cleaning and salt usage.
2. BMP: Develop a pollution prevention plan within the first year of the permit term.
The Township follows an unwritten pollution prevention plan. This plan should be formalized and implemented by the end of the second permit year.
3. BMP: Develop spill prevention and control plans for Township facilities.
The Township has provided in-house training as well as education on spill prevention. An unwritten plan is in place and should be formalized by the end of the permit period.
4. BMP: Incorporate the use of road salt storage control and implement road salt alternatives for roadway de-icing.
The Township has developed a program to improve salt storage controls.

During the second permit year, the Deerfield Regional Storm Water District plans to continue working on the uncompleted goals of the first year. In addition the District will continue to develop alternative information sources, promote another stream or lake cleanup, continue to have public meetings monthly, and continue to identify illicit connections. The District will contract with the Warren County Water and Soil Conservation District to perform many of the public outreach and participation tasks. The Storm Water District plans to hire a consulting engineer who will be able to work on construction and post construction runoff issues and make recommendations on the development of a certification program. The District will also begin drafting its Illicit Discharge Detection/Elimination Plan.