

TOWN OF LEWISBORO

STORMWATER PROGRAM

Presentation of Annual Stormwater Report for the year March 10, 2006 through March 8, 2007.

What is stormwater:

Stormwater is runoff from rain, and snow/ice melt and consists of surface flow and drainage. Stormwater can result in erosion which is a natural process but accelerated erosion caused by human activities such as grading can have detrimental effects on the environment and the quality of life.

Uncontrolled stormwater runoff and erosion can result in:

Change in stream flow resulting in flooding and conversely drying during summer months and drought periods as well as erosion of stream banks and reduction in sensitive habitat.

Modification of ground water regimes which can adversely effect exiting drainage systems, stability of slopes and survival of existing vegetation.

Sediment transported by stormwater can be discharged to our lakes resulting in sediment plumes which can effect water quality, reduce lake depth, reduce fish and wildlife habitat and result in an overall decrease in recreational opportunities.

Sediment can also act as a transport mechanism for other pollutants such as oil and grease, heavy metals and other constituents.

Stormwater is conveyed in the Town of Lewisboro through a system of curbs, catch basins, pipes, drainage swales and ditches, watercourses, wetlands, ponds, lakes and reservoirs. This is the stormwater "infrastructure".

Phase II Program:

In 1987, Congress amended the Clean Water Act to create the "Phase I" program which is predominately designed to address pollutants originating from "point sources" such as pipes from large industrial activities, transportation facilities, sewage treatment plants, large construction sites (greater than five acres) and from the stormwater drainage systems of municipalities with a population of greater than 100,000 residents.

In 1999, the EPA finalized the "Phase II" regulations which require controls on stormwater discharges from a broader sector of municipalities, industries and construction sites. This federal program is administered through the NYS Department of Environmental Conservation (NYSDEC). Under the Phase II program, the Town of Lewisboro as well as the majority of towns in Westchester County was required to obtain a stormwater permit from the NYSDEC.

As required, the Town of Lewisboro submitted an NOI (Notice of Intent) and a Storm Water Management Plan (SWMP) in 2003. The Storm Water Management Plan includes a five year plan in which a stormwater program consisting of six categories must be implemented by the Town of Lewisboro. These categories, called minimal control measures, are:

Minimum Control Measure 1:	Public Education and Outreach
Minimum Control Measure 2:	Public Participation/Involvement
Minimum Control Measure 3:	Illicit Discharge Detection and Elimination
Minimum Control Measure 4:	Construction Site Runoff Control
Minimum Control Measure 5:	Post-Construction Runoff Control
Minimum Control Measure 6:	Pollution Prevention/Good Housekeeping

This presentation tonight is conducted to comply with Minimum Measure 2 so that public input regarding the town stormwater program may be obtained and questions may be asked.

Summary Achievements and Future Goals of Stormwater Program:

Minimum Control Measure 1: Public Education and Outreach:

Achievements:

A stormwater information section has been established in the Town website which includes prior year's annual reports, information about stormwater and links so that further information may be obtained.

Stormwater information will be sent to residents in town wide mailer.

Stormwater brochures are available in Town Hall.

A town stormwater group has been created to coordinate public information activities and the stormwater program.

Goals:

Stormwater Group and Lake Association will be developing informational tools, webpage/email connections and educational seminars.

Minimum Control Measure 2: Public Participation/Involvement

Achievements:

An association of lake committees has been established by the Town Board with the primary goal of stormwater management, targeting phosphorous and TSS to the major lakes in the Town. Committee consisting of representatives of each lake community is to coordinate stormwater improvements and maintenance of same which are predominately stormwater retrofit structures designed to control identified stormwater issues.

Town has developed a stormwater group which is designed to include a volunteer member of the lake association, a volunteer member from the CAC and other members of the public as determined by the Town Board to be desirable.

The Town is conducting this public meeting to discuss the stormwater program and to take comments and questions.

Goals:

Three stormwater projects are ready for permit review and implementation and it is anticipated that projects will be constructed in 2007-08. Development of maintenance plans for each project will be completed prior to construction.

The stormwater group is to receive and review public input and act on questions and issues raised by the public. In addition, the group will provide recommendations to the Town Board regarding coordination of the stormwater program.

Minimum Control Measure 3: Illicit Discharge Detection and Elimination (consists of identifying direct pollutant discharges that are typically piped to the stormwater system such as septic system overflows, laundry connections other pollutants).

Achievements:

Town Highway Department continues to conduct an illicit discharge inspection program as part of the Town stormwater infrastructure maintenance program.

The Town has digitized the majority of the stormwater infrastructure which will be included in a GIS database which will be used to create a stormwater infrastructure map.

Goals:

The Town of Lewisboro will complete a stormwater ordinance which is required by the Phase II program in 2007. The ordinance must include measures of illicit discharge detection and elimination.

Minimum Control Measure 4: Construction Site Runoff Control:

Achievements:

Town Engineer reviews all required stormwater as well as erosion and sediment control plans to insure compliance and minimize construction impacts.

Planning Board requires site monitor to inspect and report to the Town the condition of all erosion and sediment controls and stormwater management elements during the construction project.

Building Inspectors office performs regular inspections of erosion and sediment controls and has enforcement capability.

Goals:

Stormwater Ordinance that will be completed in 2007 is required to contain provisions for construction site runoff control.

Town will conduct stormwater training program in 2007 for all municipal employees.

Contractors will be required to certify their knowledge and review of stormwater and erosion and sediment controls prior to the commencement of work.

Minimum Control Measure 5: Post-construction runoff control:

Achievements:

Highway Department has developed a program to inspect and maintain critical areas of the stormwater infrastructure as well as stabilization of road surfaces.

Highway Department has installed a stormwater control unit which will collect sediment prior to discharge to a local lake.

Goals:

Town will work to conduct specialized training to augment present level of expertise in erosion/sediment control and stormwater management.

Periodic inspections and maintenance will continue on critical areas of the stormwater infrastructure. GIS infrastructure map will be used as a planning tool.

Minimum Control Measure 6: Pollution Prevention and Good Housekeeping:

Achievements:

Town has reviewed operational procedures at town facilities.

Town Highway personnel and equipment have been used to repair and improve stormwater infrastructure facilities.

Town projects are reviewed by the Town Engineer with regarding to storm water plans.

Goals:

Town will develop stormwater operation and management plan for all town facilities to be implemented by the Highway and Facilities Departments.

Town will develop an integrated pest management (IPM) program which will target reductions in fertilizer and pesticides at town facilities.

Additional training will be conducted for all Highway and applicable town personnel in order to gain further expertise in erosion/sediment control and stormwater management.

