

**U.S. EPA Phase II Storm Water
Regulations**

**NATIONAL POLLUTANT DISCHARGE
ELIMINATION SYSTEM
(NPDES)**

**SMALL MUNICIPAL SEPARATE
STORM SEWER SYSTEMS
(MS4s)**

**STORMWATER MANAGEMENT
PROGRAM**

for

Olmsted Township, Ohio

INTRODUCTION

The Olmsted Township has been identified by the Ohio EPA as being subject to the requirements of the Clean Water Act under the authority of the U.S. EPA to develop a Phase II Storm Water program and therefore is required to apply for NPDES permit coverage.

This document represents the Olmsted Township's program to meet the requirements of the U.S. EPA Phase II Storm Water compliance program; as described:

Operators of Phase II regulated small MS4s and small construction activity are required to apply for NPDES permit coverage (most under a general rather than an individual permit) and implement storm water discharge management controls (often referred to as best management practices (BMPs)) that effectively reduce or prevent the discharge of pollutants into receiving waters.

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OHIO EPA AUTHORIZATION

OHIO ENVIRONMENTAL PROTECTION AGENCY

AUTHORIZATION FOR SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEMS TO DISCHARGE STORM WATER UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

In compliance with the provisions of the Federal Water Pollution Control Act, as amended (33 U.S.C. 1251 et. seq. hereafter referred to as “the Act”), and the Ohio Water Pollution Control Act (Ohio Revised Code Chapter 6111), dischargers of storm water from Small Municipal Separate Storm Sewer Systems, as defined in part 7 of this permit, are authorized by the Ohio Environmental Protection Agency, hereafter referred to as “Ohio EPA”, to discharge from the outfalls and to the receiving surface waters of the state identified in the Notices of Intent (NOI) Application form on file with Ohio EPA in accordance with the conditions specified in this permit.

Granting of general permit coverage is conditioned upon payment of applicable fees, submittal of a complete NOI Application form and storm water management program (SWMP), and written approval of coverage from the director of Ohio EPA.

NOTICE OF INTENT (NOI) - Part 2

DEMOGRAPHICS

Olmsted Township Community Profile

Olmsted Township is a largely rural community that is experiencing a large amount of growth compared to previous years(25 houses in 2000,54 in 2001, 141 in 2002). It is approximately 10.2 square miles with approximately 43% of its land still vacant.

As of the 2000 census the townships total population was 10,575. The total housing units were 4,639 with 80.4% owner occupied.

Olmsted Township Business Profile

Olmsted Townships business list is comprised of 51 businesses not including home occupations. These are predominantly service oriented and retail businesses with only 3 manufacturing businesses.

Permit Requirements

Six (6) minimum control measures:

1. Public Education and Outreach Program
2. Public Involvement/Participation
3. Illicit Discharge Detection and Elimination
4. Construction Site Storm Water Runoff Control
5. Post-Construction Storm Water Management in New Development & Redevelopment
6. Pollution Prevention/Good Housekeeping for Municipal Operations

Storm Water Management Program (SWMP) - Part 3

3.2.1.1 Public Education and Outreach Program

3.2.1.2 Rationale Statement

Establish and implement a public education program to distribute educational materials to the community about the impacts of storm water discharges on water bodies and the steps that the public can take to reduce pollutants in storm water runoff.

3.2.1.2.1 Plan to inform individuals, households and the business community shall include the following:

Educational materials: To inform the residents and the business community will be prepared to address specific environmental issues and made available through a number of sources. The educational materials will stress the importance of protecting natural vegetation features and the advantages of establishing riparian setbacks both in residential and commercial districts.

Pamphlets: Addressing pertinent environmental issues and made available.

3.2.1.2.2 Plan to inform individuals and groups to become involved shall include:

A regular press release to the media on Township activities.

Storm water management committee meetings are noticed as are all public meetings.

Pamphlets containing pertinent environmental issues and made available at locations such as the Town Hall, the building department and at the local schools.

The Township's web site will be utilized for storm water related information including announcements of public meetings. It will also contain links to other websites that contain information such as the Ohio EPA and Federal EPA sites.

3.2.1.2.3 The target audiences for the education program shall include:

Local government officials

Residential property owners

The business community (owners and operators)

Schools.

Contractors and developers

3.2.1.2.4 Pollutant sources to be addressed initially are as follows:

- a. Lawn and garden activities
- b. Proper identification and disposal requirements of household products
- c. Pet waste management
- d. Trash and household waste management
- e. Septic tank discharge
- f. Runoff from pavements and other impervious surfaces runoff
- g. Septic system maintenance
- h. Construction activity related activities

3.2.1.2.5 Outreach strategy to inform the community of the pertinent storm water management issues will be as follows:

Residential

- a. Selected informational brochures will be made available at the appropriate departments in the Township.
- b. Informational pamphlets will be handed out
- c. Educational updates and program news will be prepared and forwarded to the media as press releases. Signs will be prepared and strategically located to identify public lands and waterways and to warn against inappropriate dumping.
- d. Stenciling of selected symbols at street catch basins.

Commercial

- a. Specific informational documents will be prepared and mailed to each business occupant regarding the importance of and proper disposal of wastes, proper maintenance of storm water retention/detention systems and the Township's program to reduce pollutant laden storm water discharges to the environment.
- b. Prepared informational guidelines will be included with commercial building permits that affect the increase in impervious surfaces regarding required pollution prevention equipment and storm water management facilities and their proper maintenance.

3.2.1.2.6 Person responsible for management and implementation of the Public Education and Outreach Program

A position of Stormwater Program Coordinator will be established to take responsibility of the program. The Director will be responsible for implementation of the Best Management Practices and for the annual reporting to the Ohio EPA.

3.2.1.2.7 Measurable Goals shall include the following:

- a. Documents addressing the six (6) identified informational programs will be prepared as listed in the Recommendations Summary for the Public Education and Outreach Program and made available at several locations. Educational Programs will be developed and presented to targeted audiences such as government officials, residents, business owners, contractors and students.
- b. In conjunction with construction permits that include site improvements, mandatory scheduled inspections will be performed within existing Building Department policy to insure proper installation of storm water management facilities.
- c. Inspection reports will be required for both construction related activities and for scheduled periodic maintenance inspections. The Stormwater Program Coordinator will have responsibility to determine what steps are required to accomplish compliance and to present recommendations to address areas of continual improvement in the Storm Water Management program.
- d. Part of the overall storm water management program will include scheduled periodic reviews and surveys to monitor the success of each program and determine additional steps as required.

3.2.2.1 Public Involvement /Participation

3.2.2.2 Rationale Statement

The public will be included in developing, implementing, and reviewing the storm water management program, and the public participation process will reach out and encourage participation by all economic groups. Opportunities for members of the public to participate in program development and implementation include serving as citizen representatives on the storm water management committee, attending public hearings and assisting in the program coordination with other pre-existing programs.

3.2.2.2.1 Public involvement in the development of the Storm Water Management

Program shall be as follows:

- a. Public participation is encouraged by the Township administration for many civic programs. A stormwater management committee will be established that will include staff experts and representatives from the general public as well as business owners and operators.
- b. The Storm Water Management Committee will be charged with evaluating all existing related programs as well as preparing recommendations to the Township administration regarding the six (6) control measures required by the NPDES Phase II program.

3.2.2.2.2 The Township's plan to actively involve the public is as follows:

- a. Provide educational materials to inform the public on specific issues and to express the importance of setting and accomplishing goals that could include volunteer participation
- b. Establish a storm water management committee that includes citizen and business involvement
- c. Encourage the promotion of programs that involve student participation through the local schools

3.2.2.2.3 Target audiences (participants) for the public involvement program shall include:

- a. Local government officials
- b. Residential property owners
- c. The business community
- d. Students

3.2.2.2.4 Public involvement activities shall include:

- a. Participation on the Storm Water Management Committee
- b. Storm drain (street catch basin) stenciling
- c. Parks and other public lands clean-up and program development

3.2.2.2.5 Person responsible for the Public Involvement/Participation program

- a. The Stormwater Program Coordinator
- b. The Township's Service Director, Police Chief and Fire Chief will have specific identified roles in support of the Stormwater Program Coordinator .

3.2.2.2.6 Measurable goals include evaluating the following:

- a. Level of participation (minimum five members) on the Storm Water Management Committee and degree of continued support and program development. The Storm Water Management Committee will meet at least twice each year to monitor results of the program.
- b. Annual assessment of the storm drain stenciling program by monitoring and tabulating reaction from the general public
- c. Periodic surveys to determine awareness of the specific programs and impact on the community.

3.2.3.1 Illicit Discharge Detection and Elimination

3.2.3.2 Rationale Statement

The Storm Water Management Program will develop, implement and enforce procedures to detect and eliminate illicit discharges into the separate storm sewer system (MS4).

- 3.2.3.2.1 Development of a storm sewer map indicating the location of all outfalls and identifying the receiving waters shall be as follows:
- a. All available records will be researched for pertinent information; such as:
 - I. Cuyahoga County Geographical Information System (GIS)
 - II. County waterway and watershed maps
 - III. Residential and commercial development improvement plans
 - IV. Site development plans
 - V. Bridge and culvert inventory maps
 - b. The pertinent outfall information will be plotted on a detailed Township map and field verified for accuracy. All new approved developments are required to provide as-built documentation prior to acceptance by the Township. The as-built information will be certified and included for updates to the storm sewer outfall map.
- 3.2.3.2.2 Establishment of a regulatory mechanism to prohibit illicit discharges shall be as follows:
- An resolution shall be adopted by the Township to prohibit and identify the enforcement procedures for illicit discharges to the municipal separate storm sewer system.
- 3.2.3.2.3 The plan to enforce illicit discharge regulations shall be as follows:
- a. Residential and commercial development improvement plans will be thoroughly reviewed prior to issuing construction permits to ensure proper design.
 - b. All development construction activities shall be inspected to ensure adherence to approved plans.
 - c. Appropriate testing of pertinent facilities shall be performed prior to issuing permits to occupy or prior to acceptance of facilities.
 - d. Follow-up periodic monitoring and field inspections shall be performed.

Note: Olmsted Township is served by sanitary sewers owned and

operated by the Cuyahoga County Sanitary Engineer. Although the Township cooperates and supports C.C.S.E. activities, the responsibility for maintenance of the sewer system is that of C.C.S.E. including appropriate enforcement jurisdiction.

3.2.3.2.4 The methods to detect and address illicit discharges to the storm sewer system shall include:

- a. Waterway monitoring and testing shall be performed at selected sites and at identified intervals to detect illicit discharges. The sites shall be selected based on identified outfalls to the waterways.
- b. Health department records will be kept up to date with respect to all existing on-site septic systems.
- c. Any identified violations of the illicit discharge resolution will be pursued to the extent possible to locate the exact source and enforce corrective measures.
- d. Investigation into the possibility of a licensing inspection program for septic systems.

3.2.3.2.5 The plan to inform employees, businesses and the general public of hazards associated with illicit discharges shall be as follows:

- a. Township employees will be required to attend informational sessions addressing the responsibilities of protecting the environment and they will be trained to properly address these matters.
- b. All local businesses will be provided with pertinent informational brochures for general distribution as well as provided with instructions and maintenance procedures for stormwater management facilities.
- c. The general public will be informed through the distribution of informational literature and periodic press releases.
- d. The Township's web site will be utilized to provide information and pertinent public announcements as well as provide links to other sites that provide information.

3.2.3.2.6 Person responsible for the Illicit Discharge Detection and Elimination

The Stormwater Program Coordinator will implement the program and be responsible for the program's administration.

3.2.3.2.7 Measurable Goals include evaluating the following:

- a. The overall maintenance requirements of the stormwater management program will include annual follow-up inspections of on-site facilities to ensure their proper maintenance. Inspection records will be required and retained so that continual comparison can be made and corrective measures stipulated where required.

- b. Health department records of all on-site septic systems will be reviewed annually for determination of treatment levels and if corrective measures are required.
- c. The waterway monitoring and testing program will be reviewed on a regular basis to determine the success of identifying illicit discharges and the reduction of water borne suspended solids.
- d. Annual visual inspections will be made of all waterways and storm sewer outfalls to identify potential discharge problems.

3.2.4.1 Construction Site Storm Water Runoff Control

3.2.4.2 Rationale Statement

The Storm Water Management Program will develop, implement, and enforce provisions to reduce pollutants in storm water runoff from construction activities involving a land disturbance of greater or equal to one acre.

3.2.4.2.1 Establishment of a regulatory mechanism to control construction site storm water runoff provisions shall be as follows:

- a. Adoption of a comprehensive resolution to define the provisions of the Township's overall stormwater management program.
- b. Review of outside agencies that may provide specific stormwater management services. The services shall include review and approval of Storm Water Pollution Prevention Plans (SWPPP) for construction sites of one acre or greater, possible participation in pre-construction conferences pursuant to such sites and periodic inspection of approved erosion and siltation control provisions. Any one of these items may be completed by current or future Township staff.

3.2.4.2.2 The enforcement provisions of the construction site storm water runoff controls shall include:

- a. Review and approval of the Storm Water Pollution Prevention Plan is required as part of the overall site improvement plan documents. Permits for construction of site improvements will not be issued without an approved SWPPP.
- b. A preconstruction conference will be conducted with a representative of the township or an outside consultant prior to construction site disturbance to ensure a complete understanding of the required provisions and the maintenance of such provisions.
- c. Periodic inspections to ensure compliance with approved plans.
- d. The adopted resolution outlining compliance with construction site storm water runoff controls will include enforcement authority.

3.2.4.2.7 Person responsible for management and implementation of the Construction Site Storm Water Control Program:

The Stormwater Program Coordinator will be responsible for ensuring the success of the program. Also, the permit procedures for site improvements

including erosion and siltation controls are under the jurisdiction of the Building Commissioner with support from possible outside consultants.

3.2.4.2.8 Measurable goals include evaluating the following:

- a. Construction site activities subsequent to the issuance of a building permit will be inspected on a bi-weekly basis. Written reports of each site inspected indicates the status of the required provisions as well as indicating any necessary corrective work.
- b. All inspection documents will be provided, by copy, to the Stormwater Program Coordinator so that the program success can be continuously evaluated and modifications implemented where necessary.

3.2.5.1 Post-Construction Storm Water Management in New Development and Redevelopment

3.2.5.2 Rationale Statement

The Storm Water Management Program will develop, implement, and enforce a program to address storm water runoff from new development and redevelopment projects that disturb areas equal to or greater than one acre.

3.2.5.2.1 The program to address storm water runoff from new development and redevelopment projects shall include the following:

- a. All new development, redevelopment and expansion of existing facilities projects require a permit prior to commencement of construction. These projects may be residential, commercial, or industrial.
- b. The improvement plan submittal shall include proposed modifications to the site; included in the site drawings shall be a Storm Water Pollution Prevention Plan (SWPPP).

3.2.5.2.2 Community specific program provisions shall include the following:

- a. Provisions for stormwater detention/retention in accordance with good engineering practice shall be considered for all new residential developments and for new or expansion of commercial and industrial sites. All such facilities shall be inspected annually to ensure that they are functioning properly and that they are being maintained by the responsible entity.
- b. Other site improvements incorporated for debris and grime collection will be inspected periodically to ensure proper maintenance.

3.2.5.2.3 The program shall include the following non-structural Best Management Practices (BMP):

- a. Educational materials and directives will be developed and provided to business property owners to address required provisions and their proper maintenance.
- b. The directives will also address proper protection of sensitive areas, such as wetlands, although not affected by construction activities.

3.2.5.2.4 The program shall include the following structural Best Management Practices:

Stormwater detention/retention basins in accordance good engineering practice shall be considered for all new residential developments and for new or expansion of commercial and industrial sites.

3.2.5.2.5 The control mechanism to address Post-Construction Storm Water Management in New Development and Redevelopment shall be:

Adoption by Township Trustees of a comprehensive resolution to define the provisions of the Township's overall stormwater management program including enforcement authority.

3.2.5.2.6 Program provisions to ensure long-term operation and maintenance of the selected BMP's shall include the following:

- a. Proposed property maintenance code requires proper maintenance of private property. This includes stormwater management facilities included with the approved site improvements.
- b. The comprehensive stormwater management program resolution will provide for periodic inspection of all public and private stormwater management facilities.

3.2.5.2.7 Person responsible for management and implementation of the Post-Construction Storm Water Management in New Development and Redevelopment program.

The Stormwater Program Coordinator will be responsible to ensure success of the program.

3.2.5.2.8 Measurable goals shall include evaluating the following:

- a. Inspection results for stormwater management facilities will be evaluated annually to determine if the maintenance provisions are being implemented and the facilities operating as intended. Follow-up notices will be issued to the responsible entity when necessary for corrective measures.
- b. The Township will retain records of and report the actual quantity of debris and road grime removed and disposed of from its collection facilities.

3.2.6.1 Pollution Prevention/Good Housekeeping for Municipal Operations

3.2.6.2 Rationale Statement

This program measure will include the development and implementation of an operation and maintenance program including employee training with the goal of minimizing pollutant runoff from municipal operations. The program shall address storm water pollution from park and open space maintenance activities, fleet and building maintenance, disturbed public lands and storm water facilities maintenance.

3.2.6.2.1 Municipal operations affected by this program are as follows:

- a. Maintenance of Township owned vehicles
- b. Outdoor washing of Township owned vehicles
- c. Road salt application provisions and appropriate storage
- d. Street catch basin cleaning and maintenance
- e. Storage of materials (waste and products)

3.2.6.2.2 Municipal employee training programs shall include the following:

- a. Distribution of literature, fact sheets and maintenance procedure meetings to maintain a high level of awareness.
- b. Posting in conspicuous places reminders of current and seasonal activities.

3.2.6.2.3 The following activities shall be addressed:

- a. Required storm water facility maintenance requirements and schedules
- b. Proper handling and storage of road salt
- c. Proper use and storage of pesticides
- d. Proper landscaping, lawn care and grounds maintenance
- e. Proper storage and disposal procedures of materials

3.2.6.2.4 Person responsible for the Pollution Prevention/Good Housekeeping for Municipal Operations program

The Stormwater Program Coordinator working directly with the Township's

Service Director is responsible for the management and implementation of the program.

3.2.6.2.5 Measurable goals include evaluating the following:

- a. In-house goals and procedures based on industry guidelines to address the four (4) identified good housekeeping items will be established and monitored by staff supervisors preparing and submitting reports.
- b. Retain records and report annually the quantity of debris and road grime removed and disposed of from public streets.
- c. Retain records of disposal practices of waste materials.
- d. Periodic department meetings shall be conducted including the Stormwater Program Coordinator , the Service Director and all affected staff members to stress the importance of the programs and to improve program effectiveness.
- e. Obtaining feedback by questionnaires and required reporting from program employees to assess the effectiveness of the program training and efficiency of the implementation efforts will be conducted semi-annually.

Best Management Practices

Recommendations Summary

3.2.1.1 Public Education and Outreach Program

OBTAIN/DEVELOP AND DISTRIBUTE EDUCATIONAL MATERIALS

- impacts of storm water discharges on receiving streams and water bodies
- Prepare press releases for storm water related information
- good housekeeping hints for homeowners
- septic tank maintenance
- good housekeeping practices for businesses
- describing the advantages of establishing and protecting riparian setback requirements

IDENTIFICATION MARKERS AND WARNING SIGNS

- signage notices at public lands and waterways
- stenciling of selected symbols at street catch basins

3.2.2.1 Public Involvement/Participation

ESTABLISHMENT OF A STORMWATER MANAGEMENT COMMITTEE

VOLUNTEER PROGRAMS

- stenciling of street catch basins
- signage at public lands and waterways
- student community service

3.2.3.1 Illicit Discharge Detection and Elimination

DEVELOP A STORM SEWER MAP IDENTIFYING OUTFALLS AND RECEIVING WATERWAYS

ADOPT AN RESOLUTION PROHIBITING ILLICIT DISCHARGES MONITORING (STREAM SAMPLING) AND TESTING OF WATERWAYS TO DETECT ILLICIT DISCHARGES

3.2.4.1 Construction Site Storm Water Runoff Control

ADOPT A COMPREHENSIVE STORMWATER MANAGEMENT RESOLUTION

*
ADOPT AN RESOLUTION TO RATIFY AN AGREEMENT WITH THE SUMMIT
SOIL AND WATER CONSERVATION DISTRICT FOR STORM WATER
POLLUTION PREVENTION PLAN REVIEWS AND INSPECTIONS

3.2.5.1 Post-Construction Storm Water Management in New Development & Redevelopment

ESTABLISH STORMWATER DETENTION/RETENTION REQUIREMENT
INCORPORATE FACILITIES FOR DEBRIS AND ROAD GRIME COLLECTION AND
DISPOSAL

3.2.6.1 Pollution Prevention/Good Housekeeping for Municipal Operations

PREPARE AND DISTRIBUTE DIRECTIVES REGARDING GOOD
HOUSEKEEPING PROCEDURES AT TOWNSHIP OWNED FACILITIES

- maintenance of Township owned vehicles
- outdoor washing procedures for Township owned vehicles
- road salt application and storage provisions
- proper landscaping, lawn care and grounds

STREET CATCH BASIN CLEANING PROGRAM

General

ESTABLISH THE POSITION OF STORMWATER PROGRAM COORDINATOR AND
DEFINE THE DUTIES AND RESPONSIBILITIES

ESTABLISH A DEFINED STORMWATER MANAGEMENT MAINTENANCE
PROGRAM

- inspect and report on all regional detention/retention basins
- inspect and report on all commercial and industrial stormwater management facilities
- inspect and report on major drainage courses and waterways
- inspect and report on all road culverts and separate storm sewer system outfalls
- perform follow-up necessary maintenance of public stormwater management facilities
- issue notices of necessary maintenance procedures for privately owned stormwater management facilities

CREATE A STORM WATER UTILITY TO FINANCE THE PROVISIONS OF THE
STORM WATER MANAGEMENT PROGRAM (SWMP)

Estimated Costs

3.2.1.1 Public Education and Outreach Program

OBTAIN/DEVELOP AND DISTRIBUTE EDUCATIONAL MATERIALS

(annually) \$ 1,265.00

IDENTIFICATION MARKERS AND WARNING SIGNS

(annually) \$ 2,000.00

3.2.2.1 Public Involvement/Participation

ESTABLISH STORMWATER MANAGEMENT COMMITTEE

(annually) \$ 1,200.00

VOLUNTARY PROGRAMS; MATERIALS

(annually) \$ 700.00

3.2.3.1 Illicit Discharge Detection and Elimination

DEVELOP A STORMWATER OUTFALL MAP

(annually) \$ 3,500.00

ADOPT AN RESOLUTION PROHIBITING ILLICIT DISCHARGES

MONITORING; STREAM SAMPLING OF WATERWAYS

(annually) \$ 8,000.00

3.2.4.1 Construction Site Storm Water Runoff Control

ADOPT STORMWATER MANAGEMENT RESOLUTION

ADOPT RESOLUTION TO RATIFY AGREEMENT WITH
SUMMIT SOIL AND WATER CONSERVATION DISTRICT

3.2.5.1 Post-Construction Storm Water Management in New Development & Redevelopment

ESTABLISH STORMWATER DETENTION/RETENTION NC
INCORPORATE FACILITIES FOR DEBRIS AND ROAD GRIME
COLLECTION AND DISPOSAL NC

3.2.6.1 Pollution Prevention/Good Housekeeping for Municipal Operations

Timeline for Implementation

First year (2003)

3.2.1.1 Public Education and Outreach

OBTAIN/DEVELOP AND DISTRIBUTE EDUCATIONAL MATERIALS

- Brochure on impacts of stormwater discharges on receiving streams and water bodies
- Prepare press releases for stormwater related information
- Brochure on good housekeeping practices for businesses
- Information brochure describing and detailing the advantages of establishing and protecting riparian setback requirements.

IDENTIFICATION MARKERS AND WARNING SIGNS

- Perform stenciling of selected symbols at street catch basins

3.2.2.1 Public Involvement/Participation

ESTABLISH A STORMWATER MANAGEMENT COMMITTEE

VOLUNTEER PROGRAMS

3.2.3.1 Illicit Discharge Detection and Elimination

DEVELOP A STORM SEWER MAP IDENTIFYING OUTFALLS AND RECEIVING WATERWAYS

ADOPT A RESOLUTION PROHIBITING ILLICIT DISCHARGES

3.2.4.1 Construction Site Storm Water Runoff Control

ADOPT A COMPREHENSIVE STORMWATER MANAGEMENT RESOLUTION

3.2.5.1 Post-Construction Storm Water Management in New Development & Redevelopment

ESTABLISH A STORMWATER DETENTION/RETENTION REQUIREMENT

INCORPORATE FACILITIES FOR DEBRIS AND ROAD GRIME COLLECTION AND DISPOSAL

3.2.6.1 Pollution Prevention/Good Housekeeping for Municipal Operations

PREPARE AND DISTRIBUTE DIRECTIVES REGARDING GOOD HOUSEKEEPING PROCEDURES AT TOWNSHIP OWNED FACILITIES

- Distribute directives for maintenance of Township owned vehicles
- Distribute directives for outdoor washing procedures for Township owned vehicles
- Distribute directive for road salt application and storage provisions

General

ESTABLISH A POSITION OF STORMWATER PROGRAM COORDINATOR
CREATE A STORM WATER UTILITY TO FINANCE THE PROVISIONS OF THE STORM WATER MANAGEMENT PROGRAM

Second year (2004)

3.2.1.1 Public Education and Outreach

OBTAIN/DEVELOP AND DISTRIBUTE EDUCATIONAL MATERIALS

- Brochure on good housekeeping for home owners
- Brochure on septic tank maintenance

Note: all previous educational materials remain available

IDENTIFICATION MARKERS AND WARNING SIGNS

- Install signage notices at public lands and waterways
- Assess and continue with stenciling of selected symbols at street catch basins

3.2.2.1 Public Involvement/Participation

VOLUNTEER PROGRAMS

- Place signage of public lands and waterways

Note: assess stenciling at street catch basin program and re-stencil where necessary

3.2.3.1 Illicit Discharge Detection and Elimination

Note: update sewer outfall map and continue provisions of resolution prohibiting illicit discharges

3.2.4.1 Construction Site Storm Water Runoff Control

Note: assess the effectiveness of the program and continue enforcement provisions

3.2.5.1 Post-Construction Storm Water Management in New Development & Redevelopment

Note: assess the effectiveness and continue to enforce provisions of established Stormwater management program

3.2.6.1 Pollution Prevention/Good Housekeeping for Municipal Operations

PREPARE AND DISTRIBUTE DIRECTIVES REGARDING GOOD HOUSEKEEPING PROCEDURES AT TOWNSHIP OWNED FACILITIES

- Distribute directive for proper landscaping, lawn care and grounds maintenance

Note: stress importance of all previous distributed directives

General

ESTABLISH A DEFINED STORMWATER MANAGEMENT MAINTENANCE PROGRAM

- Inspect and report on regional detention/retention basins
- Inspect and report on commercial and industrial stormwater management facilities
- Issue notices of necessary maintenance for privately owned stormwater

management facilities

Third year (2005)

3.2.1.1 Public Education and Outreach

Note: assess all provisions in place and continue to provide educational materials

3.2.2.1 Public Involvement/Participation

Note: assess programs in place and continue with successful programs

3.2.3.1 Illicit Discharge Detection and Elimination

ESTABLISH A PROGRAM TO MONITOR AND TEST (STREAM SAMPLING) WATERWAY FLOW TO DETECT ILLICIT DISCHARGES

Note: update storm sewer outfall map and continue to enforce provisions of resolution prohibiting illicit discharges

3.2.4.1 Construction Site Storm Water Runoff Control

Note: continue with inspection and enforcement program

3.2.5.1 Post-Construction Storm Water Management in New Development & Redevelopment

Note: continue to enforce established provisions of the stormwater management program

3.2.6.1 Pollution Prevention/Good Housekeeping

Note: assess all provisions in place and continue to provide good housekeeping directives

General

ESTABLISH A DEFINED STORMWATER MANAGEMENT MAINTENANCE PROGRAM

- Inspect and report on major drainage courses and waterways
- Inspect and report on road culverts and separate storm sewer system outfalls
- Perform necessary maintenance of public stormwater management facilities

Note: continue with previously established stormwater management inspections, reporting and follow-up.

Fourth year (2006)

3.2.1.1 Public Education and Outreach

Note: assess all provisions in place and continue to provide appropriate educational materials

3.2.2.1 Public Involvement/Participation

Note: assess programs in place and continue with successful programs

3.2.3.1 Illicit Discharge Detection and Elimination

Note: update storm sewer outfall map, assess and continue stream sampling program, and continue to enforce provisions of resolution prohibiting illicit discharges

3.2.4.1 Construction Site Storm Water Runoff Control

Note: continue with inspection and enforcement program

3.2.5.1 Post-Construction Storm Water Management in New Development& Redevelopment

Note: continue to enforce established provisions of the stormwater management program

3.2.6.1 Pollution Prevention/Good Housekeeping for Municipal Operations

ESTABLISH AN ANNUAL STREET CATCH BASIN CLEANING PROGRAM

Note: assess all previously established provisions and continue to update and provide good housekeeping directives

General

Note: continue with established stormwater management inspections, reporting and corrective follow-up.

Fifth year (2007)

Evaluate the success of each established provisions of the Storm Water Management Program (SWMP) and institute changes where necessary.

Summary Statement

The National Pollutant Discharge Elimination System (NPDES) for Small Municipal Separate Storm Sewer Systems (MS4's) requirements as set forth by Ohio EPA Permit No. OHP000001 have been addressed by this document.

Water runoff quality will be addressed and enhanced by our Storm Water Management program. Siltation and erosion controls at construction sites have also been in place and enforced for several years. Again, the provisions of this document create better monitoring and enforcement of construction activities.

Awareness by the general public of the advantages of a comprehensive stormwater management program will be the initial challenge of this program. Then, implementing the provisions with measurable goals and ensuring compliance will be achieved. And finally, periodic assessment of achievements will be performed to both accomplish pre-determined best management goals and to ensure actual success and efficiency of the program.

Olmsted Township looks forward to the challenge presented and welcomes updates and cooperation with the Ohio EPA over the next five (5) years.

Exhibits

Listing of Exhibits

Exhibit 'A'

Resolution

Creating a Storm Water Management Committee

Exhibit 'B'

Proposed property maintenance code.