



PHASE II STORM WATER
MANAGEMENT PROGRAM
ANNUAL REPORT
for January 1, 2005 - December 31, 2005

Permit No. MI0057364

Prepared by:



Tetra Tech
Lansing, Michigan

April 1, 2006



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Acronyms

The following acronym list is provided as a comprehensive resource for those reading this plan.

BMP – Best Management Practice
BOH IM – Bureau of Highway Instructional Memorandum
CSS – Context Sensitive Solutions
DIT – Department of Information Technology
IDEP – Illicit Discharge Elimination Program
MDEQ – Michigan Department of Environmental Quality
MDOT – Michigan Department of Transportation
MEA – Municipal Enforcing Agency
MEP – Maximum Extent Practicable
MPO – Metropolitan Planning Organization
MS4 – Municipal Separate Storm Sewer System
NPDES – National Pollutant Discharge Elimination System
PIPP – Pollution Incident Prevention Plan
SESC – Soil Erosion and Sedimentation Control
SWMP – Storm Water Management Plan
TMDL – Total Maximum Daily Load
TSC – Transportation Service Center
UA – Urbanized Area

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Table of Contents

	<u>Page</u>
1. Annual Report Overview	1-1
1.1. Introduction	1-1
1.2. Storm Water Management Plan Activities	1-2
1.2.1. MDOT Sponsored Public Education and Outreach	1-3
1.2.2. Public Involvement and Participation	1-4
1.2.3. Illicit Discharge Elimination	1-4
1.2.4. Post Construction Storm Water Management	1-5
1.2.5. Pollution Prevention/Good Housekeeping for MDOT	1-6
1.2.6. Soil Erosion and Sedimentation Control	1-6
1.3. Program Assessment	1-7
2. Progress Reporting By Activity	2-1
2.1. Overview	2-1
2.2. Implemented/Completed Activities	2-2
2.3. Activities Referenced in the SWMP	2-3

Appendices

- A. Web Site Tracking Database
- B. Illicit Discharge Investigation Maps
- C. MDOT Statewide Known Outfall Maps
- D. Training and Public Education Database
- E. Baseline Storm Water Awareness Survey
- F. Illicit Discharge Status Report
- G. Bureau of Highways Instructional Memorandum and Special Provision for Labeling Storm Water Outfalls
- H. Approved Statewide Watershed Contact List and Letter

Tables

- Table 1-1 Annual Storm Water Management Program Expenditure and Budget
- Table 2-1 Educational Material Distribution
- Table 2-2 MDOT Staff SESC Trained and Certified
- Table 2-3 Baseline Storm Water Awareness Survey Distributed and Completed
- Table 2-4 MDOT Roadside and General Maintenance Activity PCA Report Summary
- Table 2-5 Local Agency Payment System (LAPS) Report Summary for Sweeping and Flushing and Culvert/Underdrain Maintenance Activities
- Table 2-6 MDOT and Municipal Salt and Sand Usage
- Table 2-7 List of Outfalls Labeled During 2005 Construction Season

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Executive Summary

The Michigan Department of Transportation (MDOT) Phase II Storm Water National Pollutant Discharge Elimination System (NPDES) Permit for MDOT-operated “municipal separate storm sewer systems” (MS4s) became effective April 1, 2004. In the two years that the permit has been in place, MDOT has made significant progress.

This report covers Storm Water Management Program (SWMP) activities that took place from January 1, 2005 to December 31, 2005. Chapter 1 describes the objectives of the annual report, Phase II SWMP activities implemented during the reporting period, upcoming activities and fiscal information. Chapter 2 discusses the activities MDOT conducted in greater detail, as well as the implementation schedule for future tasks.

During 2005, MDOT made significant strides to promote the fact that storm water management is an integral part of how MDOT operates. MDOT’s efforts this past year have set the groundwork for their progress throughout the remainder of the permit cycle, and subsequently, storm water activities are on-track with the schedule committed to in the SWMP.

Early in 2005, MDOT’s MS4 Team established six implementation teams to lead implementation of the six minimum measures. Each implementation team’s tasks, task status, and task schedule are encapsulated in the “Status at a Glance” report card on the following page. The MS4 Team met as a whole on a quarterly basis to discuss progress of the implementation team activities.

SWMP implementation activities conducted during 2005 included:

- Drafting a Memorandum of Understanding with other state agencies which identifies triggers for early coordination of construction projects.
- Circulation and early implementation of a Bureau of Highway Instructional Memorandum requesting all newly constructed storm water outfalls be permanently labeled to identify MDOT as the owner and operator of the drainage system. To date, over 30 new outfalls have been labeled statewide.
- Illicit Discharge Elimination Program (IDEP) field investigations, which have identified over 300 existing outfalls in urbanized areas near impaired water bodies.
- Development of a procedure for selecting, applying, and maintaining post-construction storm water controls.
- Production and distribution of educational materials about storm water issues.
- Formal introduction of MDOT’s cleaner streams mascot “DOT the Drop”.
- Distribution of a storm water awareness survey to MDOT Staff.

In addition to these new activities, several continuing activities were implemented as follows:

- Conducting Pollution Incident Prevention Plan (PIPP) Audits
- Presenting Soil Erosion and Sedimentation Control (SESC) Training
- Administering the MDOT Public Storm Water Web Site, which is used to provide educational materials to the public and is updated on a continual basis.

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IMPLEMENTATION TEAMS/TASKS	Status	Schedule
MDOT Sponsored Education and Outreach		
1. Training attendance tracking	⊙	☀
2. Training review and updates	⊙	☀
3. Conference participation	●	☀
4. Article publication	●	☀
5. Annual progress report	●	☀
6. Storm water awareness survey	●	☀
7. Lansing Information Center	⊙	☀
8. General public education	⊙	☺
9. Public Web site administration	●	☀
Public Involvement & Participation		
1. Project early coordination process	⊙	☀
2. Total Maximum Daily Load (TMDL) review	●	☀
Illicit Discharge Elimination Program		
1. Illicit discharge reporting database	●	☺
2. Monitor illicit discharges and follow up	⊙	☀
3. Illicit discharge notification and reporting training	⊙	☀
4. Dry weather screening at priority outfalls	⊙	☺
5. Legal authority for illicit discharge removal	●	☀
6. Dry weather screening outfall mapping	⊙	☺
7. Statewide outfall mapping	⊙	☀
8. Tap-in/Discharge permits tracking	●	☀
Post Construction Storm Water Management		
1. Post-construction BMP maintenance guidelines	⊙	☀
2. Post-construction BMP field maintenance tracking (MARS)	●	☀
3. Post-construction BMP selection, design, and maintenance procedures	⊙	☀
5. Drainage Manual update	●	☀
6. Existing flow control structure review	⊙	☀
Soil Erosion & Sedimentation Control		
1. SESC Program	●	☀
2. SESC Program review	⊙	☀
3. Part 91 and Part 31 training	●	☀
4. Outfall labeling	●	☀
Pollution Prevention & Good Housekeeping		
1. PIPP audits	●	☀
2. Maintenance training	⊙	☺
3. Contract agency coordination (salt storage, winter maintenance)	⊙	☀
4. Pesticide Applicator Program and fertilizer training	●	☺
5. Adopt-a-Highway Program	●	☺

Status: In Process = ⊙ Fully Implemented = ●

Schedule: Ahead = ☺ On Schedule = ☀ Behind = ☹

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