



Highway Agency

Stormwater Guidance Document

NJPDES General Permit No NJ0141887



New Jersey Department of Environmental Protection
Division of Water Quality
Municipal Stormwater Regulation Program

Highway Agency Stormwater Guidance Document

August 2004



State of New Jersey
Governor James E. McGreevey

New Jersey Department of Environmental
Protection
Commissioner Bradley M. Campbell

Municipal Stormwater Regulation Program
Bureau of Nonpoint Pollution Control
Division of Water Quality

Acknowledgements

Barry Chalofsky, P.P., Chief

Bureau of Nonpoint Pollution Control

Division of Water Quality

Municipal Stormwater Regulation Team

The following members of the Department of Environmental Protection Municipal Stormwater Regulation Team, over the last three years, developed the Municipal Stormwater Regulation Program, including amendments to the New Jersey Pollutant Discharge Elimination System Stormwater rules (N.J.A.C. 7:14A), the municipal stormwater general permits, and guidance documents and supporting materials:

Bruce Friedman

William Minervini

Kimberly Maxwell

Janet Jessel

Fred Bowers

Cindy Davis

Matthew Klewin

Tosin Sekoni

Tara Wood

JulieAnn Zoleta

GIS Work and Mapping – Linda Coles

Additional Acknowledgements

The following employees of the Department of Environmental Protection have contributed in the preparation of this guidance document:

Sandra Blick

Kerry Kirk-Pflugh

Elizabeth Semple

John Laurita

Municipal Stormwater Advisory Group

The following members of the Municipal Stormwater Advisory Group assisted in the development of the Municipal Stormwater Regulation Programs:

Joseph Doyle, NJ Planning Officials

James DeMuro/Frank Scarantino,

NJ Association of Municipal Engineers/ NJ Association of Professional Engineers

Abigail Fair, Association of NJ Environmental Commissions

Andras Fekete, NJ Department of Transportation

Robert Simicsak, Township of Woodbridge

John Winterstella, NJ State League of Municipalities

Nancy Wittenberg, NJ Builders Association

Ray Zabihach, NJ Association of Counties

The program also included input from the New Jersey Department of Transportation's New Jersey Quality Initiative Group, with representatives of most of the State's transportation-related agencies and associations, and from the Best Management Practices Subcommittee composed of representatives from various municipal, county and state public works agencies.

Table of Contents

Chapter 1 - Introduction	1
Chapter 2 - Stormwater Pollution Prevention Plan and Example Forms	4
Chapter 3 - Public Notice	10
Chapter 4 - Post-Construction Stormwater Management in New Development and Redevelopment	11
Overview of the Stormwater Management Rules	13
Major Development	15
Design and Performance Standards for Major Development	15
Operation and Maintenance of BMPs	20
Maintenance Requirements - Stormwater Management Rules	21
Storm Drain Inlets (New Development and Redevelopment)	23
Chapter 5 - Local Public Education	27
Local Public Education Program	27
Storm Drain Inlet Labeling	28
Chapter 6 - Improper Disposal of Waste	31
Pet Waste	31
Improper Disposal of Waste	35
Wildlife Feeding	37
Illicit Connection Program/Outfall Pipe Mapping	38
Procedures for Detecting, Investigating, and Eliminating Illicit Connections	41
Chapter 7 - Solids and Floatable Control	49
Street Sweeping	49
Storm Drain Inlet Retrofitting	51
Stormwater Facility Maintenance	55
Road Erosion Control	57
Outfall Pipe Stream Scouring Remediation	58
Roadside Vegetation Management	60
Chapter 8 - Maintenance Yard Operations	62
De-icing and Sand Storage	63
Fueling Operations	66
Good Housekeeping Practices	68
Chapter 9 - Employee Training	72
Chapter 10 - Additional Measures	74
Chapter 11 - Optional Measures	75

Highway Agency Stormwater Guidance

Wildlife Management	75
Fertilizer and Pesticide Management Program	79
Retrofit of Existing Stormwater Management Measures	80
Road De-icing	80
Planting of Native Vegetation in Existing Landscapes	82
Chapter 12 – Annual Report and Certification, and Blank Forms	83
Annual Report and Certification	83
Annual Report and Certification Form	84
Stormwater Pollution Prevention Plan Forms	84
Illicit Connection Inspection Report Form	84
Closeout Investigation Form	84
Chapter 13 - Industrial and Construction Activity Operated by the Highway Agency	85
Chapter 14 - Important Names, Addresses and Contacts	86
