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## Introduction

This documents serves to comply with EPA's six minimum control measures to ultimately apply for a General Permit for small MS4 entities in the State of New Mexico. The attached maps depict the location of the MS4 entities. There are six minimum control measures required by the EPA and they are listed numerically in this document. The Best Management Practices for each control measure is abbreviated as BMPs.

The following are the six minimum control measures:

### 1. Public Education and Outreach

#### **A.**

**BMP – Storm Water Pollution prevention Training Workshop** - The Department has supervised and overseen a workshop presented by Associated Contractors of New Mexico for State employees, Contractor personnel, Engineering Consultants, and the general public. This one-day workshop covers material intended to minimize and control storm water pollution.

**Measurable Goals** – The ACNM conducts the training workshops twice a year.

**Responsible Department** – NMSHTD Construction Bureau.

#### **B.**

**BMP – Toss No Mas** – NMSHTD's "throw no more" program has been a very successful anti-litter campaign. Pamphlets asking motorists not to throw litter on highways are available at the State Fair during September and throughout the year at the General office in Santa Fe.

**Measurable Goals** – The ongoing campaign provides the public with anti-litter bumper stickers, leaflet information, and children's coloring books throughout the year and specifically at the New Mexico State Fair in September of every year where great many people get exposed to the Department's booth at the State Fair.

**Responsible Department** – NMSHTD General Office Public Relations Department.

#### **C.**

**BMP – Local Agency pamphlets** – The MS4 entities are to provide pamphlets regarding waste disposal, littering, and dumping to storm sewer system.

**Measurable Goals** – In case the public asks the NMSHTD for pamphlets, the Department will inform them of the pamphlets the MS4 entities provide. Also, if and when the MS4 entity has a website, the NMSHTD website will provide a link to that website.

**Responsible Department** – NMSHTD General Office Public Relations Department.

## **2. Public Participation and Involvement**

### **A.**

**BMP – *Public Meetings During Design Phase*** – The Department design teams and consultant designers conduct public meetings for each project. In the public meeting, all issues of design, including NPDES, minimizing environmental impacts, protecting the habitat and waterways, are open for public input and discussion. Public participation continues to be of great importance to NMSHTD's design consideration.

**Measurable Goals** – The Department conducts public meetings on each project during the design stage. This ongoing policy will be maintained to avail the public of all information during design.

**Responsible Department** – NMSHTD'S Project Development Engineer Section, Internal and External Units.

### **B.**

**BMP – *Adopt a Highway*** – The Department Districts encourage entities to adopt a section of the highway and clean that segment periodically. The program has resulted in many cleanups of New Mexico highways.

**Measurable Goals** – The Department Districts continue to offer this program to individuals, private businesses, city entities, and other government agencies.

**Responsible Department** – NMSHTD District Offices.

### **C.**

**BMP – *Litter Pickup and Disposal*** – NMSHTD has a routine maintenance contracts for litter pickup and disposal; the Department has a cooperative agreement with the Corrections Department that enable the inmates to pick up highway litters.

**Measurable Goals** – This program is on a contract basis and it is routinely performed.

**Responsible Department** – NMSHTD District Offices.

## **D.**

**BMP – Community Service** – NMSHTD has a program allowing for litter pickup on the highways through people performing community service.

**Measurable Goals** – This program is ongoing and is based on availability.

**Responsible Department** – NMSHTD District Offices

### **3. Illicit Discharge Detection and Elimination**

NMSHTD District offices are equipped with the following in their patrol yards:

Single Sweeper

Mower

Truck for cleaning pipes and sediment removal

Utility trucks

Tractors, front end loader

Dump trucks

Road Grader (Blade)

NMSHTD considers the following uncontaminated non-storm water discharges have minimum impact on storm water quality and will be allowed. However, NMSHTD reserves the right to prohibit individual discharges should an individual discharger prove to be conducting improper disposal and a significant source of pollutants.

- Water line flushing or discharge from potable water sources provided the water is not significantly chlorinated when entering the receiving stream
- Landscape irrigation
- Diverted stream flows
- Rising groundwaters
- Groundwater infiltration and pumped groundwater
- Fountain drains
- Irrigation water
- Air conditioning condensation
- Water from crawl space pumps
- Springs
- Lawn watering, provided the water does not contain significant amounts of fertilizers, pesticides, herbicides, or other undesirable lawn/homecare products
- Flows from habitats and woodlands
- Non-commercial car washing

- Pavement washwaters provided cleaning chemicals are not used
- Dechlorinated swimming pool discharges

## A.

**BMP – *Detection and Elimination of Illicit Discharge*** - The Department is dedicated to stop storm drainage systems from conveying runoff from areas outside of the right-of-way with illicit discharges to the system; NMSHTD will detect and eliminate illicit discharges by having the following procedures:

- Periodic inspections
- A utility permit process for storm drain connections
- Coordination with municipalities and other regulatory agencies

**Measurable Goals** – The Department will perform periodic inspections and comply with established permits in place.

**Responsible Department** – The NMSHTD District Offices

## B.

**BMP - *NPDES Manual, November 2002*** – Appendix 6c of this Manual lists the spill reporting protocol mandated by the EPA. Phone numbers are listed for contact personnel in case of illicit discharge.

**Measurable Goals** – The Department offers the Manual to the public and government agencies for use. The phone numbers will be updated online periodically.

**Responsible Department** – NMSHTD Environmental Geology and New Mexico Environment Department

## C.

**BMP – *Use of the MS4 entity Handouts for Illicit Discharge*** – The MS4 entities are to provide pamphlets regarding illicit discharge.

**Measurable Goals** – In case the public asks the NMSHTD for pamphlets, the Department will inform them of the pamphlets the MS4 entities provide. Also, if and when the MS4 entity has a website, the NMSHTD website will provide a link to that website.

**Responsible Department** – New Mexico Environment Department / Hazardous Waste Bureau

D.

**BMP – Maintenance of Culverts, Drop Inlets, and Other Drainage Structures** – The District offices have patrol yards that have equipment to clean drainage structures periodically. One of the main functions of the patrol yard personnel is to inspect, clean, and maintain the drop inlets, culverts, sediment ponds, etc.

**Measurable Goals** – The District patrol yards maintain, inspect, and clean the all drainage structures periodically.

**Responsible Department** – NMSHTD District Offices

#### **4. Construction Site Runoff Control**

NMSHTD's District offices are in charge of maintaining and constructing State highways. There are some programs in place to comply with construction site runoff and some that are proposed. The following are the means the Department will use for construction site runoff control:

A.

**BMP - Drainage Manual, Volume 1, Hydrology, 1995** – The Manual is used for drainage design of culverts. With its continuing use, the Department ensures that the methodologies used to calculate runoff are sound and represent the different climatic regions of New Mexico.

**Measurable Goals** – The Department will continue to comply with the Manual in designing drainage systems.

**Responsible Department** – NMSHTD Drainage Section.

B.

**BMP - Drainage Manual, Volume II, Hydraulics, Sedimentation and Erosion, November 1998** – The Department utilizes the Manual for hydraulic design of culverts and erosion control. There are design guidelines for various tools used in erosion control, such as riprap design, sediment transport, outlet protection, channel lining, and vegetation.

**Measurable Goals** – To comply with the Manual and update based on new technologies and information.

**Responsible Department** – NMSHTD Drainage Section.

C.

**BMP - NPDES Manual, November 2002** - This recently finished Manual was a collaboration of extensive work among NMSHTD, the City of Albuquerque, and Albuquerque Metropolitan Arroyo Flood Control Authority (AMAFCA). It is a guide on how to prepare an SWPPP and what BMPs to use for runoff control during construction and it serves as a guide to fill out NOI forms for construction and industrial activities. NPDES regulatory summary and requirements regarding MS4s are part of the Manual, informing the users of the nature of compliance with rules and regulations regarding NPDES.

**Measurable Goals** – To use the Manual for all State construction projects and to provide the document online for use by other government agencies and private entities by January 2004.

**Responsible Department** – NMSHTD Drainage Section.

#### **D.**

**BMP – NPDES Phase II Information Document** – The Department will develop an Information Document for all MS4 entities. This Document will outline the phase II requirements that pertain to MS4 entities.

**Measurable Goals** – The Information Document will be available on NMSHTD website by January 2004.

**Responsible Department** – NMSHTD Drainage Section.

### **5. Post-Construction Runoff Control**

#### **A.**

**BMP – NMSHTD's Standard Specifications for Highway and Bridge Construction** – Section 603 (Temporary Erosion and Sediment Control) of this book outlines the post-development responsibilities regarding erosion control.

**Measurable Goals** – The Standards book is updated every few years and all the revisions are reflected in the most recent version.

**Responsible Department** – NMSHTD Drainage Section.

#### **B.**

**BMP – Erosion Control Measures Revision Committee** – This committee revises the standard specifications that pertain to erosion control and post-development measures.

The Department started this committee to include any new technologies that are used in erosion control and to edit the existing standards for the erosion control measures.

**Measurable Goals** – The committee meets twice a year to document any changes in the standard specifications regarding erosion control measures and to prepare them for the most recent publication

**Responsible Department** – NMSHTD Construction Bureau/Drainage Section.

C.

**BMP – *Maintenance and Inspection of Erosion Control Measures*** – The District Office Patrol Yards inspect and maintain the erosion control measures in the post-construction phase after the contractor has finished construction. They ensure that vegetation reaches 70% of the pre-construction condition before applying for the NOT permit. The guidelines for inspections and maintenance is found in Section 603 of the NMSHTD'S Standard Specifications for Highway and Bridge Construction, latest edition

**Measurable Goals** – The BMPs are inspected after a rainfall of 1" or more a maximum of 24 hours after the rainfall.

**Responsible Department** – NMSHTD District Offices

D.

**BMP – *Maintenance of Culverts, Drop Inlets, and Other Drainage Structures*** – The District offices have patrol yards that have equipment to clean drainage structures periodically. One of the main functions of the patrol yard personnel is to inspect, clean, and maintain the drop inlets, culverts, sediment ponds, etc.

**Measurable Goals** – The District patrol yards maintain, inspect, and clean the all drainage structures periodically.

**Responsible Department** – NMSHTD District Offices

## **6. Pollution Prevention/Good Housekeeping**

A.

**BMP – *NPDES Workshop*** - The Department has an oversight contract with Ecosystem Management systems to provide training workshop on NPDES. Once the contract is granted, Ecosystem Management will prepare and conduct the workshop for NMSHTD personnel.

**Measurable Goals** – The workshop will be offered to all Districts and the General Office Personnel on the as-needed basis.

**Responsible Department** – NMSHTD Drainage Section/District Offices

## **B.**

**BMP – Oversight Contract for NPDES Compliance** - The Department is in the process of approving an oversight contract to be used for inspecting erosion control measures and to give assistance to the District offices for NPDES compliance. The upcoming agreement with Ecosystem Management will provide any necessary help the Districts need in regards to NPDES rules and erosion control measure inspection and documentation.

**Measurable Goals** – The contract is for three years and its use is on a as-needed basis.

**Responsible Department** – NMSHTD Drainage Section/District Offices

## **C.**

**BMP – NPDES Manual, November 2002** – NMSHTD has completed an NPDES Manual to be used by all MS4s, State agencies, Local agencies, and private businesses. The Manual's Appendix A3, entitled "Housekeeping Practices," lists the following housekeeping measures:

- Sanitary Facilities
- Equipment Maintenance
- Protected Chemical and Materials Storage Areas
- Spill Prevention Plan
- Protection of Trees
- Concrete Waste Management
- Solid Waste Management
- Hazardous Waste Management
- Dust Control
- Stabilized construction Entrance/Exit

**Measurable Goals** – The Manual will be available for public use on NMSHTD website by January 2004.

**Responsible Department** – NMSHTD Drainage Section