FOREWORD

This August 2012 edition of the Storm Water Management Guidelines for Construction and Industrial Activities is to be used as guidance for construction projects and industrial sites. The project designer should attempt to meet all criteria presented in this manual, however, this manual should not be considered a standard that must be met regardless of impacts. Designers must exercise good judgment on individual projects and frequently must be innovative in their approach to storm water management. The manual is designed to be used in all parts of the state of New Mexico, both in urban and rural areas.

This manual is the result of a collaborative effort between the New Mexico Department of Transportation, the City of Albuquerque, the Albuquerque Metropolitan Arroyo Flood Control Authority, the University of New Mexico, the Southern Sandoval County Arroyo Flood Control Authority, the City of Rio Rancho, Bernalillo County, and the New Mexico Environment Department Surface Water Quality Bureau. This manual is endorsed by the participants, and its use is encouraged for any entity that has the potential to generate storm water runoff through either construction or industrial activities with exposure to storm water.

This revision to the NPDES permitting manual was necessitated by the revisions to the MS4 individual Permit dated February 2012 and by the Construction General Permit dated March 2012. These revisions changed numerous items in the original manual. Although this manual is intended to provide guidance in meeting the current regulations, updates may be required periodically due to changes in regulatory prerogatives of state and federal agencies and other affected parties. In addition, it is vital that the users of this manual inform us of any inconsistencies, errors, or omissions so that this publication may remain current and accurate. Should anyone discover the need for corrections, please direct your concerns to the New Mexico Department of Transportation (NMDOT) Drainage Section.

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TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>FOREWORD</td>
<td>i</td>
</tr>
<tr>
<td>ACKNOWLEDGMENTS</td>
<td>ii</td>
</tr>
<tr>
<td>LIST OF FIGURES</td>
<td>v</td>
</tr>
<tr>
<td>LIST OF TABLES</td>
<td>vi</td>
</tr>
<tr>
<td>LIST OF APPENDICES</td>
<td>vii</td>
</tr>
<tr>
<td>ACRONYMS</td>
<td>ix</td>
</tr>
<tr>
<td>GLOSSARY OF TERMS</td>
<td>x</td>
</tr>
<tr>
<td>INTRODUCTION</td>
<td>1</td>
</tr>
<tr>
<td>I. CONSTRUCTION ACTIVITIES</td>
<td>3</td>
</tr>
<tr>
<td>I.A. INTRODUCTION</td>
<td>3</td>
</tr>
<tr>
<td>I.B. REGULATORY SUMMARY</td>
<td>3</td>
</tr>
<tr>
<td>I.B.1. NPDES Regulations</td>
<td>3</td>
</tr>
<tr>
<td>I.B.2. NPDES General Permit</td>
<td>5</td>
</tr>
<tr>
<td>I.B.3. NPDES Permitting Process</td>
<td>8</td>
</tr>
<tr>
<td>I.C. NOTICE OF INTENT</td>
<td>10</td>
</tr>
<tr>
<td>I.C.1. Description</td>
<td>10</td>
</tr>
<tr>
<td>I.C.2. Preparing an NOI</td>
<td>10</td>
</tr>
<tr>
<td>I.C.3. Where to Submit</td>
<td>15</td>
</tr>
<tr>
<td>I.C.4. Signatory Requirements</td>
<td>15</td>
</tr>
<tr>
<td>I.C.5. Approval Process</td>
<td>15</td>
</tr>
<tr>
<td>I.C.6. Small Site Waivers</td>
<td>16</td>
</tr>
<tr>
<td>I.C.7. Violations</td>
<td>20</td>
</tr>
<tr>
<td>I.D. SWPPP DEVELOPMENT</td>
<td>21</td>
</tr>
<tr>
<td>I.D.1. Description</td>
<td>21</td>
</tr>
<tr>
<td>I.D.2. Developing and Implementing an SWPPP for Construction Activities</td>
<td>22</td>
</tr>
<tr>
<td>I.D.3. Runoff Volume and Flow Rate</td>
<td>37</td>
</tr>
<tr>
<td>I.D.4. Sediment Control Plans</td>
<td>44</td>
</tr>
<tr>
<td>I.E. BEST MANAGEMENT PRACTICES FOR CONSTRUCTION</td>
<td>44</td>
</tr>
<tr>
<td>II. INDUSTRIAL ACTIVITIES</td>
<td>47</td>
</tr>
<tr>
<td>II.A. INTRODUCTION</td>
<td>47</td>
</tr>
<tr>
<td>II.B. REGULATORY SUMMARY</td>
<td>47</td>
</tr>
<tr>
<td>II.B.1. NPDES Regulations</td>
<td>47</td>
</tr>
<tr>
<td>II.B.2. NPDES Multi-Sector General Permit</td>
<td>49</td>
</tr>
<tr>
<td>II.B.3. NPDES Permitting Process</td>
<td>52</td>
</tr>
<tr>
<td>II.C. NOTICE OF INTENT</td>
<td>55</td>
</tr>
<tr>
<td>II.C.1. Description</td>
<td>55</td>
</tr>
<tr>
<td>II.C.2. Preparing an NOI</td>
<td>55</td>
</tr>
<tr>
<td>II.C.3. Signatory Requirements</td>
<td>56</td>
</tr>
<tr>
<td>II.C.4. Approval Process</td>
<td>60</td>
</tr>
<tr>
<td>II.C.5. Violations</td>
<td>60</td>
</tr>
</tbody>
</table>
II.D. SWPPP PREPARATION ........................................................................................................ 61
  II.D.1. Description ............................................................................................................... 61
  II.D.2. Development of the SWPPP .................................................................................... 61
  II.D.3. Preparing an SWPPP .............................................................................................. 61
  II.D.4. Signatory Requirements ......................................................................................... 66
  II.D.5. Approval Process ..................................................................................................... 66
  II.D.6. No Exposure Certification ......................................................................................... 66
  II.D.7. Document Retention ............................................................................................... 66

II.E. BEST MANAGEMENT PRACTICES FOR INDUSTRIAL ACTIVITIES .......... 69

II.F. NOTICE OF TERMINATION ............................................................................................ 69
  II.F.1. Description .............................................................................................................. 69
  II.F.2. Preparing an NOT ................................................................................................... 69
  II.F.3. Signatory Requirements .......................................................................................... 70
## LIST OF FIGURES

<table>
<thead>
<tr>
<th>Figure</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>I-1</td>
<td>NPDES Construction Project Flowchart</td>
<td>9</td>
</tr>
<tr>
<td>I-2</td>
<td>Sample of a Completed EPA Notice of Intent (NOI) Form for Construction Activities</td>
<td>11</td>
</tr>
<tr>
<td>I-3</td>
<td>Isoerodent Map of New Mexico</td>
<td>17</td>
</tr>
<tr>
<td>I-4</td>
<td>Erosivity Index Zone Map of New Mexico</td>
<td>18</td>
</tr>
<tr>
<td>I-5</td>
<td>Sample of a Completed EPA Permit Information Form for Construction Activities</td>
<td>23</td>
</tr>
<tr>
<td>I-6</td>
<td>Outline for Developing and Implementing an SWPPP for Construction Activities</td>
<td>24</td>
</tr>
<tr>
<td>I-7</td>
<td>Sample of a Completed NMDOT SWPPP Inspection and Maintenance Report</td>
<td>30</td>
</tr>
<tr>
<td>I-8</td>
<td>Sample of a Completed EPA NDPES Construction Inspection Form</td>
<td>34</td>
</tr>
<tr>
<td>I-9</td>
<td>Sample of a Completed Transfer of Storm Water Management Authority Form</td>
<td>38</td>
</tr>
<tr>
<td>I-10</td>
<td>Sample of a Completed SWPPP Information Sheet</td>
<td>43</td>
</tr>
<tr>
<td>I-11</td>
<td>Sample of Completed Calculations Spreadsheet</td>
<td>45</td>
</tr>
<tr>
<td>II-1</td>
<td>NPDES-Specific Industrial Project Flowchart</td>
<td>53</td>
</tr>
<tr>
<td>II-2</td>
<td>Multi-Sector Permitting and Operation Sequence for Industrial Activities</td>
<td>54</td>
</tr>
<tr>
<td>II-3</td>
<td>Sample of a Completed EPA Notice of Intent (NOI) Form for Industrial Activities</td>
<td>56</td>
</tr>
<tr>
<td>II-4</td>
<td>Sample Site Plan</td>
<td>63</td>
</tr>
<tr>
<td>II-5</td>
<td>Outline for Developing and Implementing an SWPPP for Industrial Sites</td>
<td>65</td>
</tr>
<tr>
<td>II-6</td>
<td>Sample of a Completed EPA No Exposure Certification (NEC) Form for Industrial Activities</td>
<td>67</td>
</tr>
<tr>
<td>II-7</td>
<td>Sample of a Completed EPA Notice of Termination (NOT) Form for Industrial Activities</td>
<td>70</td>
</tr>
</tbody>
</table>
# LIST OF TABLES

<table>
<thead>
<tr>
<th>Table</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>I-1</td>
<td>Erosivity Index for New Mexico Zones</td>
<td>19</td>
</tr>
<tr>
<td>I-2</td>
<td>Direct Runoff in Inches</td>
<td>40</td>
</tr>
<tr>
<td>I-3</td>
<td>Typical “C” Values for Urban Areas (Rational Method)</td>
<td>41</td>
</tr>
<tr>
<td>I-4</td>
<td>Typical “C” Values for Rural Areas (Rational Method)</td>
<td>41</td>
</tr>
</tbody>
</table>
LIST OF APPENDICES

Appendix

A  Best Management Practices (BMPs)
   A1 Construction Site Planning and Management
      • Dust Control
      • Protection of Trees
      • Open Space Design
      • Protection of Natural Features
   A2 Erosion Control
      • Seeding – Temporary/Vegetation
      • Mulching
      • Surface Roughening
      • Erosion Control Mat
      • Land Imprinting
   A3 Runoff Control
      • Diversion Channel Dike and Swale
      • Slope Drain
      • Check Dam
      • Bioretention
      • Brush Barrier
      • Detention Basin
      • Fiberschines/Biologs
      • Wood Chip Bern
      • Toe Rock
      • Outlet Structure
      • Guardrail End Treatment
   A4 Sediment Control
      • Buffer Strip
      • Silt Fence
      • Straw Bale
      • Drop Inlet Protection
      • Culvert Protection
      • Sediment Trap – Berm/Excavated
      • Sediment Basin
      • Triangular Sediment Filter Dike
      • Compost Filter Berm
      • Straw Wattle
      • Filter Strips
      • Media Filter
      • Mechanical Devices
      • Live Wattles
   A5 Good Housekeeping / Materials Management
      • 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
• Stabilized Construction Entrance/Exit

A6 Post-Construction Phase BMPs
• Below Grade Storage
• Green Parking
• Alternative Pavers
• Street Design and Patterns
• Urban Forestry

B Forms

B1 Forms for Construction Activities
• Notice of Intent (NOI) Form and Instructions
• EPA Permit Information Form
• SWPPP Template
• Alternate SWPPP Forms
• SWPPP Information Sheet
• EPA NPDES Construction Inspection Form
• NMDOT SWPPP Inspection and Maintenance Report
• Notice of Termination (NOT) Form and Instructions
• Transfer of Storm Water Management Authority Form
• NPDES New Mexico Qualification Form

B2 Forms for Industrial Activities
• Notice of Intent (NOI) Form and Instructions
• Annual Reporting Form
• Suggested Table of Contents for an Industrial SWPPP
• No Exposure Certification (NEC) Form and Instructions
• Notice of Termination (NOT) Form and Instructions

C Guidance on Seed Selection and Seeding of Temporary Vegetation on Disturbed Areas

D NPDES General Permit for Storm Water Discharges From Construction Activities
ACRONYMS

AMAFCA	Albuquerque Metropolitan Arroyo Flood Control Authority
BMP	Best Management Practice
CFR	Code of Federal Regulations
CGP	Construction General Permit
CN
curve number
COA	City of Albuquerque
CWA	Clean Water Act
DMR	Discharge Monitoring Report
EPA	U.S. Environmental Protection Agency
MS4	Municipal Separate Storm Sewer System
MSGP	Multi-Sector General Permit
NEC	No Exposure Certification
NMDOT	New Mexico Department of Transportation
NMED	New Mexico Environment Department
NOAA	National Oceanic and Atmospheric Administration
NOI	Notice of Intent
NOT	Notice of Termination
NPDES	National Pollutant Discharge Elimination System
NRC	National Response Center
NRCS	Natural Resources Conservation Service
OSHA	Occupational Safety and Health Administration
RQ	reportable quantity
SCP	Sediment Control Plan
SSCAFCA	Southern Sandoval County Arroyo Flood Control Authority
SIC	Standard Industrial Classification
SWPPP	Storm Water Pollution Prevention Plan
T&E	Threatened and Endangered Species
TESCP	Temporary Erosion and Sediment Control Plan
TMDL
total maximum daily load
UNM	University of New Mexico
USGS	U.S. Geological Survey
GLOSSARY OF TERMS

Throughout the manual, the reader will find references to specific terms. To understand the process and goal of the storm water program, these specific terms are listed below with definitions as determined by the U.S. Environmental Protection Agency (EPA) in the draft manual Storm Water Pollution Prevention for Construction Activities.

Best Management Practices (BMPs) — Management measures or practices used to protect air, soil, or water quality or reduce the potential for pollution associated with storm water runoff. BMPs may be a structural device or non-structural practice, including processes, land use alternatives, activities, or physical structures.

Multi-Sector General Permit (MSGP) — An umbrella permit given to a state under which certain Standard Industrial Classification (SIC) industries may be granted a permit to discharge storm water by notifying EPA of their intent to do so, in compliance with the regulatory provisions of the General Permit.

Municipal Separate Storm Sewer System (MS4) — A conveyance or system of conveyances (including roads with drainage systems and municipal streets) that is “owned or operated by a state, city, town, borough, county, parish, district, association, or other public body. . . designed or used for collecting or conveying storm water. . .”

National Pollutant Discharge Elimination System (NPDES) — The national program for administering and regulating Sections 307, 318, 402, and 405 of the Clean Water Act. A storm water permit issued under NPDES is authorization by the EPA to discharge storm water under certain specified conditions. The NPDES General Permit provides those specified conditions for construction.

Non-Exposure Certification (NEC) — A permit exemption for certain outfalls or pollutant constituents, granted to facilities that can demonstrate no discharge or absence of particular constituents through monitoring.

Notice of Intent (NOI) — A formal notice to the EPA that, under the NPDES General Permit, a storm water discharge will take place. The NOI provides information on the permittee, location of discharge, and the type of discharge. It also certifies that the permittee will comply with certain specified conditions as outlined in the General Permit.

Notice of Termination (NOT) — A formal notice to the EPA that a specific site permitted under the NPDES Program is no longer discharging storm water.

Storm Water Pollution Prevention Plan (SWPPP) — A plan consisting of site maps, construction/contractor activities that could cause pollutants in storm water, and a description of measures or practices to control those pollutants.

Sediment Control Plan (SCP) — The formal compilation of required erosion- and sediment-control activities prepared for a specific site and project.

Temporary Erosion and Sediment Control Plan (TESCP) — Equivalent to SCP (i.e., the formal compilation of required erosion- and sediment-control activities prepared for a specific site and project).
INTRODUCTION

PURPOSE OF THIS MANUAL

This manual:

Is designed to provide guidance in the National Pollutant Discharge Elimination System (NPDES) application and permitting process consistent with the February 2012 General Permit revisions. The NPDES Storm Water Permit Program is a federal program developed under the Section 402 of the Clean Water Act (CWA). In this effort the manual will:

– Assist regulated entities in the permitting and notification process

– Assist regulated entities in understanding the importance of storm water management

– Provide the basics of planning and design for storm water management

– Assist regulated entities’ coverage under the General Permit instead of under a site-specific permit

– Assist Municipal Separate Storm Sewer Systems (MS4s) with their programmatic requirements

Was developed for the New Mexico Department of Transportation (NMDOT), the Albuquerque Metropolitan Arroyo Flood Control Authority (AMAFCA), the City of Albuquerque (COA), the Southern Sandoval County Arroyo Flood Control Authority (SSCAFCA), and the University of New Mexico (UNM) to meet the requirements of the local ordinances and regulations, as well as the NPDES program. The manual is designed for general use statewide.

Provides information regarding the development of Storm Water Pollution Prevention Plans (SWPPPs), as well as application of best management practices (BMPs) for construction and industrial sites. This manual describes many BMPs in detail. The user must exercise careful consideration when selecting or modifying BMPs for a specific site. Many of the suggested BMPs are general in nature, and their applicability should be evaluated for each specific project site. The suggested BMPs should be used only as a guide, and should not substitute for good engineering judgment.

Is meant to provide basic guidance on complying with the NPDES requirements under a General Permit. Users are encouraged to check the U.S. Environmental Protection Agency (EPA) website (www.epa.gov/npdes/stormwater/cgp) for updated versions of requirements and forms. Users with complex sites, issues, or questions should consult with the regulatory agencies or an expert in NPDES requirements.

Provides guidance on coverage under a General Permit and does not address obtaining a site-specific NPDES Permit where required.