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Chapter 15

STORM WATER

15.1 STORM WATER IMPACT EVALUATION PROCESS

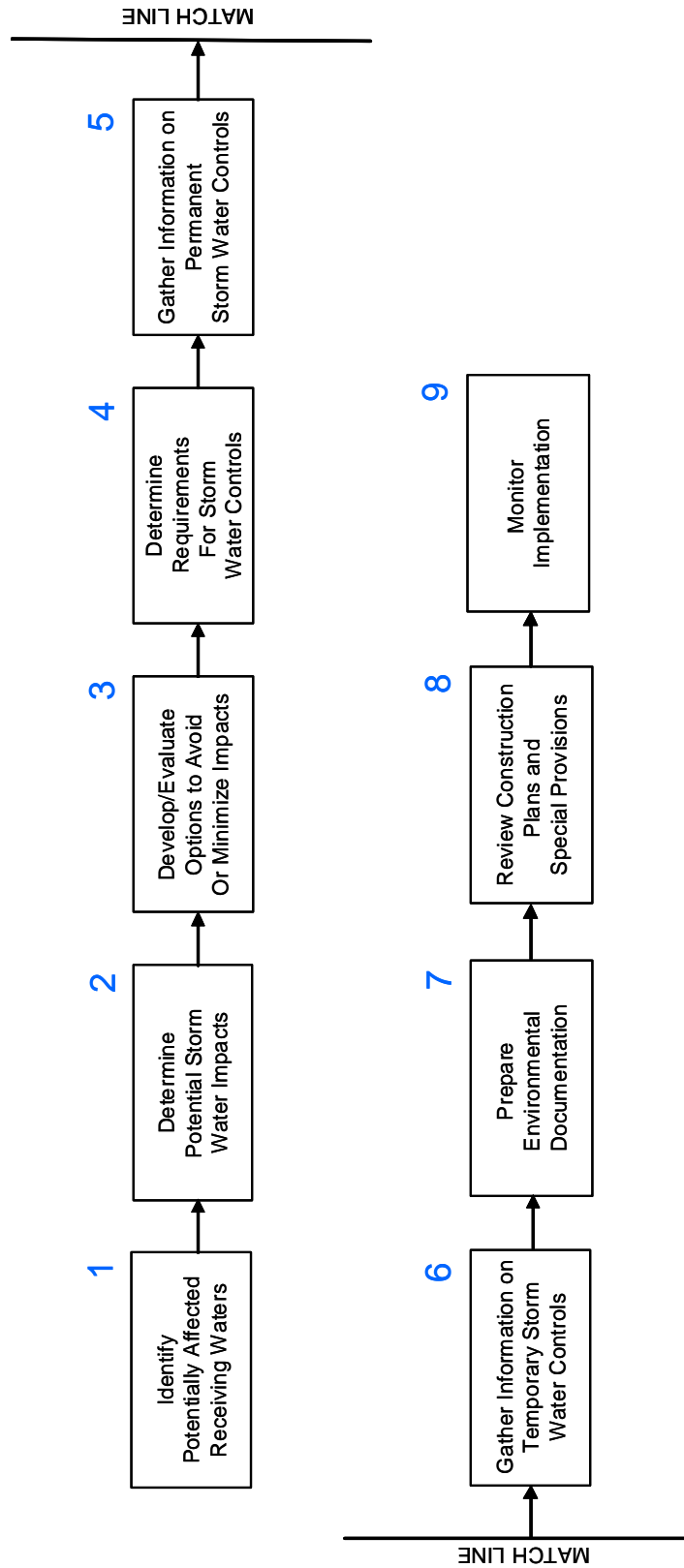


Figure 15.1-A — EVALUATING STORM WATER IMPACTS

PROJECT ACTIVITY

Activity Title: Identify Potentially Affected Receiving Waters

Activity No.: 1

Activity Description:

The Environmental Services Division will coordinate with the Project Management Team to evaluate project alternatives and identify and document waters that could be affected by storm water discharges, including impaired waters included in the Section 303(d) list for Nevada.

Regulations and Guidance

NDOT Storm Water Quality Handbooks, Planning and Design Guide, January 2006
 Nevada Division of Environmental Protection (NDEP) Water Pollution Control website

PROJECT ACTIVITY	
<u>Activity Title:</u>	Determine Potential Storm Water Impacts
<u>Activity No.:</u>	2
<u>Activity Description:</u>	
<p>The Environmental Services Division and the Project Management Team will evaluate potential storm water impacts and potential water quality impacts. This will include consideration of the information from the project categorization score sheet, as discussed in the <i>NDOT Storm Water Quality Handbooks, Planning and Design Guide</i>.</p>	
<u>Regulations and Guidance</u>	
<p><i>NDOT Storm Water Quality Handbooks, Planning and Design Guide</i>, January 2006 Nevada Division of Environmental Protection (NDEP) Water Pollution Control website</p>	

PROJECT ACTIVITY

Activity Title: Develop/Evaluate Options to Avoid or Minimize Impacts

Activity No.: 3

Activity Description:

The Environmental Services Division and the Project Management Team will identify and evaluate measures for avoiding or reducing storm water impacts associated with the proposed project.

Regulations and Guidance

NDOT Storm Water Quality Handbooks, Planning and Design Guide, January 2006

PROJECT ACTIVITY

Activity Title: Determine Requirements for Storm Water Controls

Activity No.: 4

Activity Description:

The Environmental Services Division and the Project Management Team will review the results of the storm water impact analyses and determine the applicable requirements relating to storm water controls (temporary and permanent) for the project.

Regulations and Guidance

NDOT Storm Water Quality Handbooks, Planning and Design Guide, January 2006
NDOT Storm Water Management Program Manual, January 2005
40 CFR 122-125 (National Pollutant Discharge Elimination System)

PROJECT ACTIVITY

Activity Title: Gather Information on Permanent Storm Water Controls

Activity No.: 5

Activity Description:

The Environmental Services Division will provide information to the Project Management Team regarding the permanent treatment control measures to be incorporated into the project.

Regulations and Guidance

NDOT Storm Water Quality Handbooks, Planning and Design Guide, January 2006
NDEP Best Management Practices Handbook, December 1994

PROJECT ACTIVITY

Activity Title: Gather Information on Temporary Storm Water Controls

Activity No.: 6

Activity Description:

The Project Management Team will consult with the NDOT Divisions to identify the temporary (construction site) storm water controls to be used and to estimate the cost of those measures. The cost estimate will be based on the NDOT policy of categorizing all construction projects as having no, low, medium or high potential for water quality impacts and the associated cost estimation guidance included in the NDOT *Storm Water Quality Handbooks, Planning and Design Guide*.

Regulations and Guidance

NDOT Storm Water Quality Handbooks, Planning and Design Guide, January 2006
 23 CFR 650, Subpart B, "Erosion and Sediment Control on Highway Construction Projects"

PROJECT ACTIVITY

Activity Title: Prepare Environmental Documentation

Activity No.: 7

Activity Description:

The Environmental Services Division will include information in the environmental documentation for the project regarding the following:

- storm water impacts of the project;
- impact avoidance and minimization measures to be implemented;
- permit or other regulatory requirements applicable to storm water discharges associated with the project and the compliance actions to be accomplished for each; and
- discussion of permanent and temporary measures to be used for storm water control on the project.

See [Section 2.3 "Preparing An Administrative Record."](#)

Regulations and Guidance

NDOT Storm Water Quality Handbooks, Planning and Design Guide, January 2006
FHWA Environmental Guidebook

PROJECT ACTIVITY

Activity Title: Review Construction Plans and Special Provisions

Activity No.: 8

Activity Description:

The Environmental Services Division will review the project's Construction Contract Plans and Special Provisions to ensure permit conditions and avoidance, minimization and mitigation measures for addressing the project's storm water impacts are included.

PROJECT ACTIVITY	
<u>Activity Title:</u>	Monitor Implementation
<u>Activity No.:</u>	9
<u>Activity Description:</u>	
<p>During and after the project's construction, the Environmental Services Division will monitor the installation and maintenance of the storm water controls to ensure fulfillment of avoidance, minimization and mitigation commitments, and compliance with permit requirements.</p>	

