POLLUTION PREVENTION PLAN

This POLLUTION PREVENTION PLAN (PPP) is for the construction of a new four lane highway. The Contractor is responsible for compliance with the requirements of the National Pollutant Discharge Elimination System (NPDES) General Permit No. 2 on an Iowa Department of Natural Resources (DNR) National Pollutant Discharge Elimination System (NPDES) General Permit No. 2. The Contractor shall carry out the terms and conditions of this permit and the POLLUTION PREVENTION PLAN (PPP).

This plan may be revised as necessary, primarily to reflect any changes in techniques or equipment. The Contractor shall keep the PPP current, updating it as new information becomes available.

All contractors shall conduct their operations in a manner that controls pollutants, minimizes erosion, and prevents sediments from entering waters of the state and leaving the highway right-of-way. The Contractor shall be responsible for compliance with the requirements of this plan. This responsibility shall be further shared with subcontractors whose work is a source of potential pollution as defined in this PPP.

1. PURPOSES AND RESPONSIBILITIES

A. 1. Prepares Base PPP in accordance with this plan.
   2. Prepares Notice of Intent (NOI) submitted to Iowa DNR.
   3. Is signature authority on the Base PPP. If consultant designed, signature from Contracting Authority is also required.

B. Contractor:
   1. Signs a co-permittee certification statement adhering to the requirements of the NPDES permit and this PPP.
   2. Identifies all co-permittees that are legally required under the Clean Water Act and the Iowa Administrative Code to ensure compliance with the terms and conditions of this PPP.

C. Subcontractors:
   1. Signs co-permittee certification statement adhering to the requirements or the terms and conditions of this PPP.

2. OTHER CONTROLS

A. The Contractor's ECIP specified in Article 2602.03 of the Standard Specifications for accomplishment of storm water controls should be implemented by a Section 404 permit.

B. Preservation of existing vegetation within right-of-way or easements will act as vegetative buffer strips.

C. Storm Water Management

1. Prepares Notice of Intent (NOI) submitted to Iowa DNR.
2. Prepares and maintains an Erosion Control Implementation Plan (ECIP) and ECIP updates according to Section 2602 of the Standard Specifications.
3. Installs and maintains appropriate controls. This work may be subcontracted as documented through Subcontractor Request Forms (Form 830231).
4. Submits amended PPP site map according to Section 2602 of the Standard Specifications.
5. Supervises all work performed to meet storm water requirements at the Project, including work performed by contractors and subcontractors.
6. Requires employees, contractors, and subcontractors to take appropriate responsibility to comply with storm water regulations requiring any such person to cease or correct a violation of storm water requirements, and to order or recommend such other actions as may be necessary to meet storm water requirements.
7. Requires the Project Engineer to check that all work is being done in compliance with storm water requirements.
8. In projects where DCR is Contracting Authority, is responsible for periodically monitoring inspection reports to ensure that required items are documented by fieldbook entries and timely addressed, and if not, has the authority and responsibility to direct immediate actions to correct the deficiencies.
9. Is the point of contact for the Project for regulatory officials, Inspector, contractors, and subcontractors regarding storm water requirements.
10. Is notified on Notice of Discontinuation.
11. Maintains an up-to-date record of contractors, subcontractors, and subcontracted work items through Subcontractor Request Forms (Form 830231).
12. Makes to determine if any compliance information is available to the DNR on their request.
13. Is responsible for the effectiveness of the site with the contractor/subcontractor.
14. Completes an inspection report by each inspection.
15. Is signature authority on storm water inspection reports, estimates, and other documents.

II. PROJECT SITE DESCRIPTION

A. This POLLUTION PREVENTION PLAN (PPP) is for the construction of a new four lane highway. The Contractor is responsible for compliance with the requirements of the National Pollutant Discharge Elimination System (NPDES) General Permit No. 2 on an Iowa Department of Natural Resources (DNR) National Pollutant Discharge Elimination System (NPDES) General Permit No. 2. The Contractor shall carry out the terms and conditions of this permit and the POLLUTION PREVENTION PLAN (PPP).

B. The estimated weighted average runoff coefficient number for this PPP after completion will be 0.30

C. The PPP is located in an area of one soil association (Monona - Ida - Napier). The estimated area of this portion of the PPP covered by this contract has 175 acres disturbed.

D. Storm Water Site Map is located in the R sheets. Proposed slopes are shown on the Storm Water Site Map, or standard plans.

E. The base storm water site may be amended by contract modifications and progress segment (fieldbook entries) of completed erosion control work. Also, due to project planning, erosion and sediment controls shown on project plans may not be installed until needed. Land uses and fieldbook entries shall typically not be installed until the ditch has been installed and turned over to the owner.
IV. MAINTENANCE PROCEDURES

The Contractor is required to maintain all temporary erosion and sediment control measures in proper working order, including cleaning, repairing, or replacing them throughout the contract period. This shall begin when the features have lost 50% of their capacity.

V. INSPECTION REQUIREMENTS

A. Inspections shall be made jointly by the Contractor and the Contracting Authority’s inspector at least once every seven calendar days. Storm water site inspections will include:
   1. Date of the inspection.
   2. Summary of the scope of the inspection.
   3. Name and qualifications of the personnel making the inspection.
   4. Review of erosion and sediment control measures within disturbed areas for the effectiveness in preventing impacts to receiving waters.
   5. Major observations related to the implementation of the PPP.
   6. Identification of corrective actions required to maintain or modify erosion and sediment control measures.

B. Include storm water site inspection reports in the Amended PPP. Incorporate any additional erosion and sediment control measures determined as a result of the inspection. Immediately begin corrective actions on all deficiencies found within 3 calendar days of the inspection and complete within 7 calendar days following the inspection. If it is determined that making the corrections less than 72 hours after the inspection is impracticable, it should be documented why it is impracticable and indicate an estimated date by which the corrections will be made.

VI. NON-STORM WATER DISCHARGES

This includes subsurface drains (i.e., longitudinal and standard subdrains) and slope drains. The velocity of the discharge from these features may be controlled by the use of headwalls or blocks, Class A stone, erosion stone or other appropriate materials. This also includes uncontaminated groundwater from dewatering operations, which will be controlled as discussed in Section III of the PPP.

VII. POTENTIAL SOURCES OF OFF RIGHT-OF-WAY (ROW) POLLUTION

Silts, sediments, and other forms of pollution may be transported onto highway right-of-way (ROW) as a result of a storm event. Potential sources of pollution located outside highway ROW are beyond the control of this PPP. Pollution within highway ROW will be conveyed and controlled per this PPP.

VIII. DEFINITIONS

A. Base PPP - Initial Pollution Prevention Plan.
B. Amended PPP - Base PPP amended during construction. May include plan revisions or contract modifications for new items, storm water site inspection reports, fieldbook entries made by the inspector, amended PPP site map by the Contractor, ECIP, NOI, co-permittee certifications, and Subcontractor Request Forms. Items amending the PPP are stored electronically and are readily available upon request.
C. Fieldbook Entries - This contains the inspector’s daily diary and bid item postings.
D. Controls - Methods, practices, or measures to minimize or prevent erosion, control sedimentation, control storm water, or minimize contaminants from other types of waste or materials. Also called Best Management Practices (BMPs).
E. Signature Authority - Representative authorized to sign various storm water documents.

CERTIFICATION STATEMENT

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature
Printed or Typed Name
Signature