Under-an-Acre Pollution Prevention Plan (UPPP)

National Park Service (NPS) - Denver Service Center (DSC) | 6-24-24

*Project Title*

*Park Name*

*NPS Contract Number*

UPPP Prepared By:

*Company Name*

*Address 1*

*Address 2*

*City, State, Zip Code*

*Phone Number*

*Email Address*

Name and Title of Preparer:

*Name*

*Title*

UPPP Preparation Date:

*Date*

*Background*

Federal Regulations for controlling discharges of pollutants from municipal separate storm sewer systems, construction sites, and industrial activities were brought under the National Pollution Discharge Elimination System (NPDES) permit process by the 1987 amendments to the Clean Water Act (CWA) and the subsequent 1990 promulgation of federal stormwater regulations issued by the United States Environmental Protection Agency (USEPA). NPDES Phase I regulates discharges from construction sites disturbing 5 acres or more. NPDES Phase II regulations expand existing General Permit requirements under Phase I to include/regulate discharges from construction sites which disturb land equal to or greater than 1 acre and less than 5 acres, known as Small Construction Activity. Construction disturbances 1 acre and above typically require a formal NPDES permit and a formal Stormwater Pollution Prevention Plan (SWPPP) must be submitted to the Agency for review and approval.

NPS internal standards and guidelines require water quality be protected at all times to ensure compliance with the Organic Act. To this end, the DSC Line Item Construction (LIC) Program requires the Construction Contractor to prepare a plan for each project resulting in less 1 acre of soil disturbance or not otherwise subject to requirements of the NPDES program. The UPPP must comply with NPS Division 1 Specifications Section 01 57 23 Temporary Storm Water Pollution Prevention. The UPPP template can be prepared using material from local SWPPP guidance. If a local standard is used in a UPPP, edit to fit NPS template.

Construction Contractor shall prepare and submit completed UPPP to the NPS DSC Contracting Officer (CO) for review and approval. If revisions are required, as determined by NPS DSC Technical Reviewers (Technical Branch), Construction Contractor shall revise and resubmit UPPP. Section 01 57 23 specifies time frames for UPPP submittal, review, and re-submittal.

*Purpose*

Develops and implements pollution prevention measures to protect the environment, including surface waters, from pollutants during construction activities. The typical UPPP identifies all potential pollutant sources, including sources of sediment, which may affect the quality of stormwater discharges associated with construction activity from the construction site. The main objectives of the typical UPPP are:

* Identify all pollutant sources which may affect quality of stormwater discharges associated with construction activity (stormwater discharges) from construction site.
* Identify non-stormwater discharges.
* Identify, construct, implement in accordance with a time schedule, and maintain Best Management Practices (BMPs) to reduce or eliminate pollutants discharges and un-authorized discharges from construction site during construction.
* Develop maintenance schedule for BMPs installed during construction designed to reduce or eliminate pollutants after construction is completed (post-construction BMPs).

*Instructions*

Black text

* Standard text.
* Leave unmodified.

Red Italic text

* Provides guidance and instructions to complete UPPP template.
* Delete from completed UPPP template.
* If requested to provide certain data (i.e. elevation, average rainfall, etc.) in a section, provide or explain its absence.

Red Non-Italic text

* Sample language and may be used.
* Reformat to black text when template is complete.

EXAMPLE text

* Assists in providing all required information.
* May or may not be relevant to any particular project and is not intended to be used as template language.

Table of Contents

[1 General Information 4](#_Toc170134984)

[1.1 Responsible Parties 4](#_Toc170134985)

[1.2 UPPP Amendments 5](#_Toc170134986)

[1.3 Project Scope 5](#_Toc170134987)

[1.4 Standards and Constraints 5](#_Toc170134988)

[1.5 Spill Prevention 5](#_Toc170134989)

[2 UPPP Project Details 6](#_Toc170134990)

[2.1 Project Scheduling 6](#_Toc170134991)

[2.2 Site Information 6](#_Toc170134992)

[2.2.1 Known Data on Soil and Fill 6](#_Toc170134993)

[2.2.1.1 Soil 6](#_Toc170134994)

[2.2.1.2 Fill 6](#_Toc170134995)

[2.3 Construction Information 7](#_Toc170134996)

[2.3.1 Activities with the Potential to Generate Non-Storm Water Pollution 7](#_Toc170134997)

[2.3.2 Activities and Materials with the Potential to Pollute Storm Water 7](#_Toc170134998)

[2.3.3 Activities with the Potential to Generate Sediment 7](#_Toc170134999)

[3 Temporary Best Management Practices (BMPs) for Project 7](#_Toc170135000)

[3.1 Management and Reporting 8](#_Toc170135001)

[3.2 Waste Management 8](#_Toc170135002)

[3.3 Non-Storm Water Pollution Control 8](#_Toc170135003)

[3.4 Erosion Control - Soil Stabilization 8](#_Toc170135004)

[3.5 Sediment Control 9](#_Toc170135005)

[3.6 Other Pollution Control 9](#_Toc170135006)

[4 Permanent Pollution Control Practices 9](#_Toc170135007)

[5 References 9](#_Toc170135008)

[6 Appendices 11](#_Toc170135009)

[6.1 Appendix A: Pollution Prevention Control Maps or Sheet(s) 11](#_Toc170135010)

[6.2 Appendix B: Standard Installation Specifications for each BMP 12](#_Toc170135011)

[6.3 Appendix C: Blank Forms 13](#_Toc170135012)

[7 Attachments 14](#_Toc170135013)

# General Information

## Responsible Parties

The following people and their companies are responsible for implementing this Under-an-acre Pollution Prevention Plan (UPPP).

**Company Responsible for UPPP:**

|  |  |
| --- | --- |
| Name: |  |
| Company: |  |
| Phone Number: |  |
| Email Address: |  |

**UPPP Preparer:**

|  |  |
| --- | --- |
| Name & Title: |  |
| Company: |  |
| Phone Number: |  |
| Email Address: |  |

**UPPP Manager:**

|  |  |
| --- | --- |
| Name: |  |
| Company: |  |
| Phone Number: |  |
| Email Address: |  |

**Additional UPPP Staff:**

|  |  |
| --- | --- |
| Name & Title: |  |
| Company: |  |
| Phone Number: |  |
| Email Address: |  |
|  |  |
| Name & Title: |  |
| Company: |  |
| Phone Number: |  |
| Email Address: |  |
|  |  |
| Name & Title: |  |
| Company: |  |
| Phone Number: |  |
| Email Address: |  |
|  |  |
| Name & Title: |  |
| Company: |  |
| Phone Number: |  |
| Email Address: |  |
|  |  |
| Name & Title: |  |
| Company: |  |
| Phone Number: |  |
| Email Address: |  |

## UPPP Amendments

When changes in approved UPPP are required, Construction Contractor shall prepare and certify an amendment then submit to Contracting Officer (CO) for review and approval. See Division 1 Specifications Section 01 57 23 Temporary Storm Water Pollution Prevention. Complete UPPP Amendment Log in [Appendix C](#_Appendix_C:_Blank).

## Project Scope

*Provide information in a narrative format which can be easily understood by a person who is not familiar with the project. Explain project purpose, work scope, general description of location, and any special feature on or adjacent to the project site. Include, but not limited to, the list below and edit as required:*

* General description of project purpose(s).
* General description of project work scope.
* General description of location.
* Note any special feature on or adjacent to project site.

*Add UPPP Vicinity Map to* [*Appendix A*](#_Appendix_A:_Contact)*.*

## Standards and Constraints

Explain possible constraints imposed on project such as:

* Permits requirements relevant to the UPPP.
* National Environmental Policy Act (NEPA) requirements relevant to the UPPP.
* Standards or requirements which do not apply. Include, but not limited to:
  + Statement of standards used (as applicable) to prepare UPPP
    - NPS template
    - Federal standards
    - State standards
    - Local standards
  + List of permits and permit requirements relevant to UPPP. Provide copies as Attachment 1.
* List of NEPA requirements relevant to UPPP.

*If a particular standard or requirement does not apply, note this.*

## Spill Prevention

The Environmental Protection Agency (EPA) has promulgated an Oil Pollution Prevention Regulation requiring facilities to prepare and implement a Spill Prevention, Control, and Countermeasure (SPCC) Plan to prevent oil from reaching navigable waters and adjoining shorelines, and to contain discharges of oil.

*If a separate SPCC is not being prepared for the project, include a list of SPCC BMPs in this section.*

*EXAMPLE:*

*The project requires a separate SPCC which is provided as Attachment 2.*

*-OR-*

*Petroleum products will be used onsite in construction equipment and location where equipment will be refueled. SPCC measures which will be in place for this project are:*

1. Keep emergency spill kit(s) and absorbent pads onsite.
2. If applicable, after containment of a spill, place excavate the soil containing spill and place in drums.
3. Berm the vehicle fueling area to contain potential spills.
4. Store fuel drums on pallets to prevent contact with the soil.

# UPPP Project Details

## Project Scheduling

*Include in the project Gantt chart a section named* ***UPPP****. Within this section, include UPPP schedule items and clearly show how the rainy season relates to soil-disturbing and re-stabilization activities. Detail major activities sequenced with implementation of construction site BMPs. Possibly including, but not limited to, the list below and edit as required:*

* Project start and finish dates
* Rainy season dates
* Mobilization dates
* Mass clearing and grubbing/roadside clearing dates
* Major grading/excavation dates
* Special dates named in permits
* Rainy season implementation schedule
* Deployment of temporary BMPs, by BMP
* Deployment of BMPs, by BMPs
* Final stabilization activities staged over time for each area of the project

## Site Information

*Provide the following in a narrative and table format which can be easily understood by a person who is not familiar with the project. Include, but not limited to, the list below and edit as required:*

* Project size (acres)
* Area of disturbance (acres)
* Impervious area
  + Before
  + After
* Existing vegetative cover (type and present cover)
* Site topography
  + Drainage
  + Slope
  + Watershed
* Receiving water (including storm drains)
* Environmentally sensitive areas

### Known Data on Soil and Fill

#### Soil

*At a minimum, provide a narrative and table describing types, nature and properties of project site’s soil, particularly as it relates to erosion by water, wind, or other agent. If warranted, include a map of the site’s soils.*

#### Fill

*Provide narrative and table describing nature and properties of any known fill. Include fill’s potential to contain pollutants which could be mobilized by storm water if disturbed. If needed, provide a map of fill location.*

## Construction Information

### Activities with the Potential to Generate Non-Storm Water Pollution

*In list format, explain possible activity sources with potential to generate non-storm water pollution. Such as, but not limited to, the list below and edit as required:*

* Dust generated by scraping or grading
* Trash or debris
* Other

### Activities and Materials with the Potential to Pollute Storm Water

*In list format, explain possible activity sources which may generate non-sediment pollutants. Such as, but not limited to, the list below and edit as required:*

* General construction activities and litter
* Vehicle fueling, repair and fluids (oil, grease, petroleum, and coolants)
* Paints
* Solvents, thinners, acids
* Mortar mix
* Treated lumber (materials and wastes)
* Demolition and masonry block rubble
* Landscaping, raw materials and wastes (topsoil, plant materials, herbicides, fertilizers, pesticides, mulch)
* BMP materials (sandbags, liquid copolymer)
* Base and sub-base material
* Asphaltic emulsions associated with asphalt-concrete paving operations
* Cement materials
* Concrete curing compounds
* Other

### Activities with the Potential to Generate Sediment

*In list format, explain possible activity sources with sediment as a pollutant. Such as, but not limited to, the list below and edit as required:*

* Lay down area and stockpiles
* Grubbing
* Grading
* Concrete work
* Trenching
* Dewatering
* Landscaping
* Other

# Temporary Best Management Practices (BMPs) for Project

Based on the project location’s characteristics, soil, and the scope of work, this project will require the following categories of BMPs:

* Management and Reporting
* Waste Management
* Non-Storm Water Pollution Control
* Soil Stabilization (erosion prevention)
* Sediment Control
* Other Pollution Control

Each of the above identified project activities will be managed by BMPs in one or more of the sections below.

## Management and Reporting

*This required section shall include project information and activities and detail which BMPs will be used and why. Such as, but not limited to, the list below and edit as required.*

* Who is responsible and contact information
* Inspection procedures
* Incident reporting
* Incident remediation
* UPPP adaptive management and addendums
* Reference to reporting and inspection forms in appendix
* Maintenance of BMPs
* Weather monitoring
* Or other relevant BMP

## Waste Management

*This required section shall include project information and activities and detail which BMPs will be used and why. Such as, but not limited to, the list below and edit as required.*

* Material Storage
* Solid Waste Management
* Material use
* Hazardous waste management (including contaminated soil)
* Sanitary/septic waste
* Or other relevant BMP

## Non-Storm Water Pollution Control

*Take the project information and activities then detail which BMPs will be used and why. Such as, but not limited to, the list below and edit as required.*

* De-watering
* Water sampling for non-visible pollutants
* Vehicle fueling
* Vehicle cleaning
* Demolition controls
* Or other relevant BMP

*If this section is not relevant, indicate the project activities were reviewed and no Non-Storm Water Pollution Control BMPs are needed.*

## Erosion Control - Soil Stabilization

*Consider following possible issues and explain. Edit as required.*

* Exposed soil, active
* Exposed soil, temporary inactive
* Exposed soil, work completed
* Slopes
* Or other relevant BMP

*If this section is not relevant, indicate the project activities were reviewed and no Soil Stabilization BMPs are needed.*

## Sediment Control

*Consider following possible issues and explain. Edit as required.*

* Drainage control
* Soil stockpiles
* Storm drain protection
* Public roadways
* Or other relevant BMP

*If this section is not relevant, indicate the project activities were reviewed and no Sediment Control BMPs are needed.*

## Other Pollution Control

*Consider following possible issues and explain. Edit as required.*

* Wind erosion
* Vehicle tracking pollutants:
  + Offsite: mud
  + On site: Invasive species
* Or other relevant BMP

*If this section is not relevant, indicate the project activities were reviewed and no Other Pollution Control BMPs are needed.*

# Permanent Pollution Control Practices

*Include:*

* A list with a short description of any Permanent Pollution Control Practices for the project
* BMPs which will be used, why, and to what standard
* Design drawings at the end of this report

*EXAMPLE*

***Permanent Control 1:***

*Pike County code 35.7 requires parking lot storm water pass through a detention basin before any discharge occurs. This project has 1 parking lot of less than 1/10 of an acre and therefore requires a detention basin, designed to meet county codes, to receive the parking lot water. The basin and code requirements are found in Attachment Section 4.*

# References

*Prepare a list of documents referenced and used to complete this UPPP such as Project Plans & Specifications, reports, design, and storm water management related documents.*

*Include:*

* Complete name of the referenced document
* Number of the document (if applicable)
* Author
* Date Published or Produced (in the case of internal documents)
* Document date/revision that applies
* Permits
* Geo-technical Reports
* Regulatory correspondences providing guidance
* Project Plans
* NPS contract number

# Appendices

## Appendix A: Pollution Prevention Control Maps or Sheet(s)

*Include:*

* 1. ***UPPP Vicinity Map*** *A map extending approximately 1/4 mile beyond the property boundaries of construction site showing:*

*Construction site*

*Surface water bodies (including known springs and wetlands)*

*Known wells*

*Outline of offsite drainage areas discharged into construction site*

*General topography*

*Anticipated discharge location(s) where construction site's storm water discharges to a municipal storm drain system or other water body.*

*(A United States Geological Survey (USGS) quad map may be used for showing project site and a 1/4 mile extension beyond construction site's property boundaries.)*

* 1. ***Pollution Prevention Control Map(s)*** *A map clearly showing construction site's boundaries and includes:*
     + - 1. *Symbols for BMP locations*
         2. *Surface water bodies (including drainages and wetlands)*
         3. *Topography*
         4. *Municipal storm drain system intake location*
         5. *UPPP discharge points*

## Appendix B: Standard Installation Specifications for each BMP

*For each BMP, include a section providing sufficient information for installation and maintenance of the structure. Include:*

1. Installation details
2. Material lists
3. Narratives
4. Resource references

## Appendix C: Blank Forms

*Include:*

1. Inspection Form
2. Incident reporting Form
3. UPPP Amendment Form

|  |  |  |  |
| --- | --- | --- | --- |
| **UPPP Amendment Number** | **Date** | **Brief Description of Amendment** | **Prepared By** |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

# Attachments

*Include:*

1. Permits (if any)
2. Spill Prevention, Control, and Countermeasure (SPCC) Plan (if required)
3. Supporting reports (if any)
4. Permanent Pollution Control Practices for Project (if any)