



# Parts of an Inspection

Record review  
Site evaluation

# RECORDS REVIEW

Storm Water Pollution Prevention Plan (SWPPP)

Weekly logs

Public Notification

# The inspector will...

Ask to see Permit and SWPPP

Determine if SWPPP was developed in accordance with permit conditions

Determine if SWPPP is adequate

Determine if SWPPP is being properly implemented

## Source: Water Pollution Prevention Plan (SWPPP)

Each SWPPP should include:  
• Permit and construction plans  
• "Trigger" to start or change work to prevent further erosion and sedimentation  
• Maintenance during construction  
• Removal and restoration

## SWPPP

- A site and physical condition description
- Site boundaries and controls marked on map
- Description of BMPs that will be used
- How the disturbed area will be protected from erosion
- Location of the site where BMPs will be installed
- A description of the types of temporary and permanent non-structural BMPs that will be used
- Disturbance
- Roadways

## SWPPP Cont.

- Location of the sedimentation basin for each drainage area with flow direction described as one time flow only
- Add detail for Management BMPs to be used such as, well established site water management, protection of portable toilets, proper storage of sensitive site materials, installation of sedimentation basins and use of drip pans at petroleum products and liquid storage tanks and containers
- The types of practices where erosion management that will be installed

## SWPPP Cont.

- A SWPPP must be on site during active land disturbance activities or be readily available if an onsite location is not available
- If a SWPPP is not produced during the inspection then the site is in violation

## Storm Water Pollution Prevention Plan (SWPPP)

Each permitted site must have one  
Prepared before construction starts  
“Living” in that it changes with project  
Includes routine and special checks (written  
record)  
Maintenance plan during construction  
Removal and restoration

# SWPPP

- A site and physical condition description
- Site boundaries and outfalls marked on map
- Description of BMPs that will be used
- How the disturbed area will be protected from erosion
- Locations at the site where BMPs will be installed
- A description of the types of temporary and permanent non-structural BMPs that will be used
- Dewatering
- Roadways

# SWPPP Cont.

- Location of the sedimentation basin for each drainage area with 10 or more acres disturbed at one time (if needed)
- Additional Site Management BMPs to be used such as, solid and hazardous waste management, provision of portable toilets, proper storage of construction materials, installation of containment berms and use of drip pans at petroleum product and liquid storage tanks and containers
- The types of permanent storm water management that will be installed

## SWPPP Cont.

- A SWPPP must be on site during active land disturbance activities or be readily available if an onsite location is not available
- If a SWPPP is not produced during the inspection then the site is in violation

# Site Inspection Reports

- Once per fourteen days
- Structural or maintenance problems noted
- Correct deficiencies within seven days
- Conducted within 24 hour after a rainfall event > 0.5 inches for state permits and > 0.25 inches for EPA permits
- On site or readily available



## Site Inspection Report Cont

- Inspector's name;
- Date and time of inspection;
- Findings of inspections, including recommendations for corrective actions;
- Corrective actions taken (including dates, times, and party completing maintenance activities);
- Date and amount of all rainfall events greater than 0.50 inches (or 0.25 inches for federal permits) in 24 hours; and
- Documentation that the SWPP plan has been amended when substantial changes are made to the erosion and sediment controls or other BMPs in response to inspections.

# Bi-Weekly & after Rainfall Inspections are Required

Your Company Name

Your Company Address  
Any Where, MO 63000  
TEL: (XXX) XXX-XXXX  
FAX: (XXX) XXX-XXXX

## SWPPP Survey Checklist

Project No.:	Inspection Date:
Project Name:	Owner (Permittee):
Project Location:	Civil Engineer:
Superintendent:	NPDES Permit No.:

A SWPPP Survey was conducted on the project identified above. The following observations were noted during this survey.

Weekly Inspection       Storm Event Inspection (>0.5 inches of rain)      Rainfall (inches) \_\_\_\_\_

Storm Water Pollution Prevention Plan:  Part of Grading Plans       Separate Document  
 SWPPP in Project Office:  Yes       No      Operator Inspection Form and Log  Yes       No  
 Copy of Permit & Conditions in Office:  Yes       No      Site Area (in acres): \_\_\_\_\_

Name of receiving Waters or Streams: \_\_\_\_\_  
 Grading Contractor:  Subcontractor       Contracted Direct to Owner

No.	I. Best Management Practices Inspection	Acceptable Condition	Action Taken
1.	Stabilized Construction Entrance	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
2.	Public Street Clean at Construction Entry	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
3.	Truck Wash Down Area	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
4.	Fabric Silt Fence	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
5.	Inlet Protection	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
6.	Sediment Basin	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
7.	Retention Basin	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
8.	Temporary Seeding or Mulching	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
9.	Erosion Control Mats	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
10.	Drainage Swales	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
11.		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
12.		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
13.		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
14.		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
15.		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
16.		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
17.		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
18.		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
19.		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
20.		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

No.	II. General Condition Questions/Checklist	Acceptable Condition	Comments
1.	Are BMP's Completed per the SWPPP?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
2.	Are BMP's routinely maintained?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
3.	Are good site housekeeping practices observed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
4.	Is sediment from erosion being retained on site?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
5.	Solid waste prohibited from being buried on site?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
6.	Hazardous waste and paint removed from site?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
7.	Has any disturbed site area been inactive > 14 days?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

Report Prepared by: \_\_\_\_\_       Carbon Copy to: \_\_\_\_\_

See Continuation Page:  Yes       No, END OF REPORT

# Records Location

- Project Documentation must be on site or be readily available upon request if the site does not have a reasonable on-site location.
- Project Documentation includes:
  - A copy of the completed and signed Notice of Intent
  - Coverage letter from the Department of Health or print out from EPA Application system
  - SWPPP
  - Site inspection records
  - Copy of the Permit

# Public Notification

- Visible from public road that is nearest the active portion of the site.
- Must show permit number and contact information
- Posted for the life of the permit

# SITE EVALUATION

- Main areas to evaluate
  - Outfalls
  - Storm drains (inlet and outlet)
  - Receiving stream
  - Best Management Practices
  - Road entrances

# Outfalls







# Storm Sewers and Drains

Protection of storm drains is very important since storm drains are usually a direct conduit to water bodies.









# Best Management Practice (BMP)



## What is a BMP?

Structure or crop used to reduce the amount of sediment that enters the water body or to reduce the sediment amount of water runoff.

## KNOW THE INSTALLATION!!!

Important to follow correct BMP installation and maintenance procedures to ensure that the BMP is installed and maintained properly. BMPs are designed to reduce sediment runoff.

## The Most Effective BMP



# What is a BMP?

Structure or cover used to reduce the amount erosion by slowing the velocity of water or by reducing contact of water to soil.

# KNOW THE INSTALLATION!!!

Inspector needs to have considerable knowledge and understanding on how to control erosion with proper Best Management Practices (BMPs).  
Review the Standard Drawings  
SWPPP should have installation procedures

# The Most Affective BMP



## Road Entrance



# COMPLIANCE

Matt Sperry

Phone: 328-3486

Email: [msperry@nd.gov](mailto:msperry@nd.gov)

