

Stormwater Pollution Prevention Plans for Construction Activity "The SWPPP"

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# Outline

- Stormwater Runoff what is the harm?
- Pollution Prevention
- Stormwater Pollution Prevention Plans
  - Creating this valuable tool
- Have it onsite:
  - The SWPPP and other documents

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# What is the Environmental Harm from Construction Site Runoff?

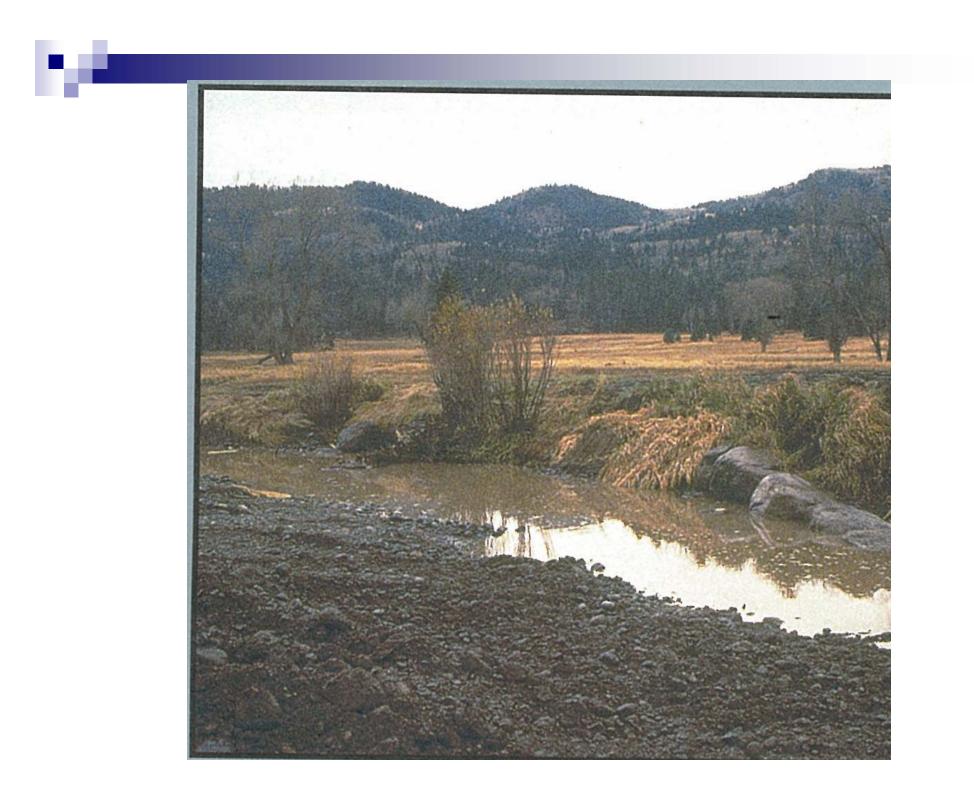
- Sediment
- Suffocates fish
- Changes stream flow: causes flooding and erosion
- Carries other pollutants:
  - □ Oil/grease
  - Concrete high pH
  - Stucco variety of chemicals

# Outline

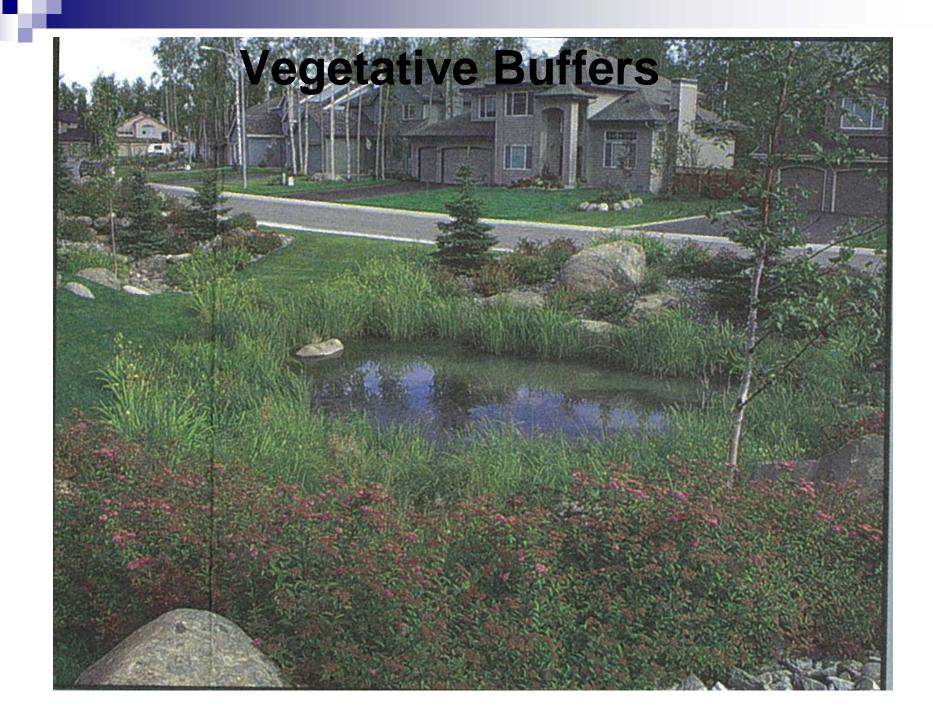
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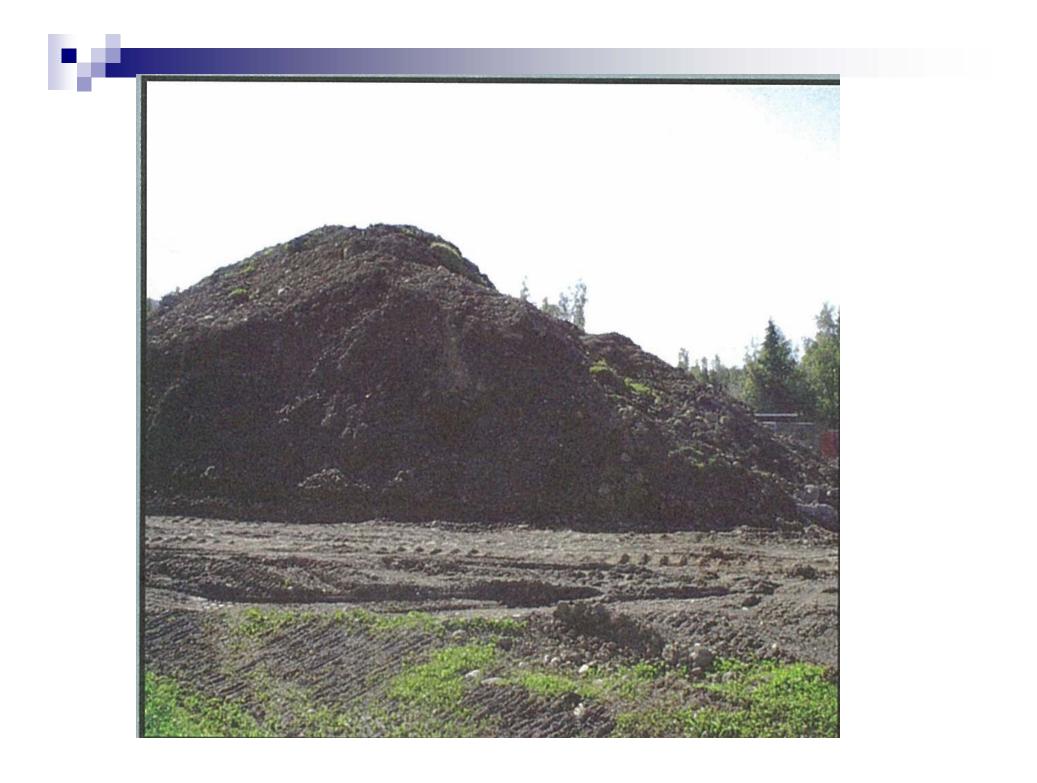
### What Does Pollution Prevention Accomplish?

- Prevents impacts to water quality.
- Enhances the effectiveness of Tribal environmental offices when working with planning departments, and public works.
- Helps focus on effective BMPs for sediment control.



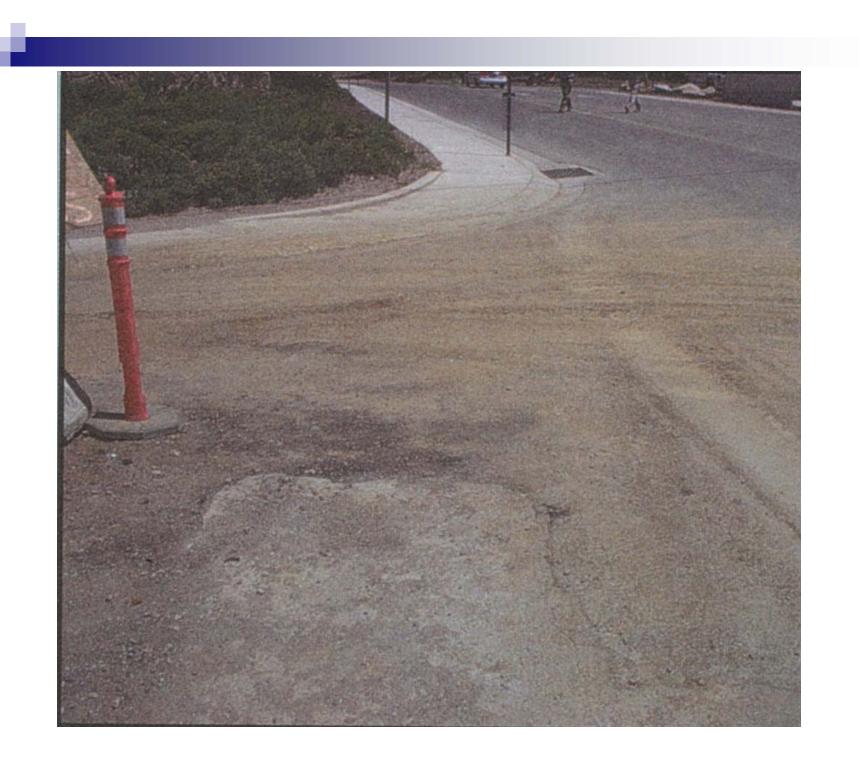
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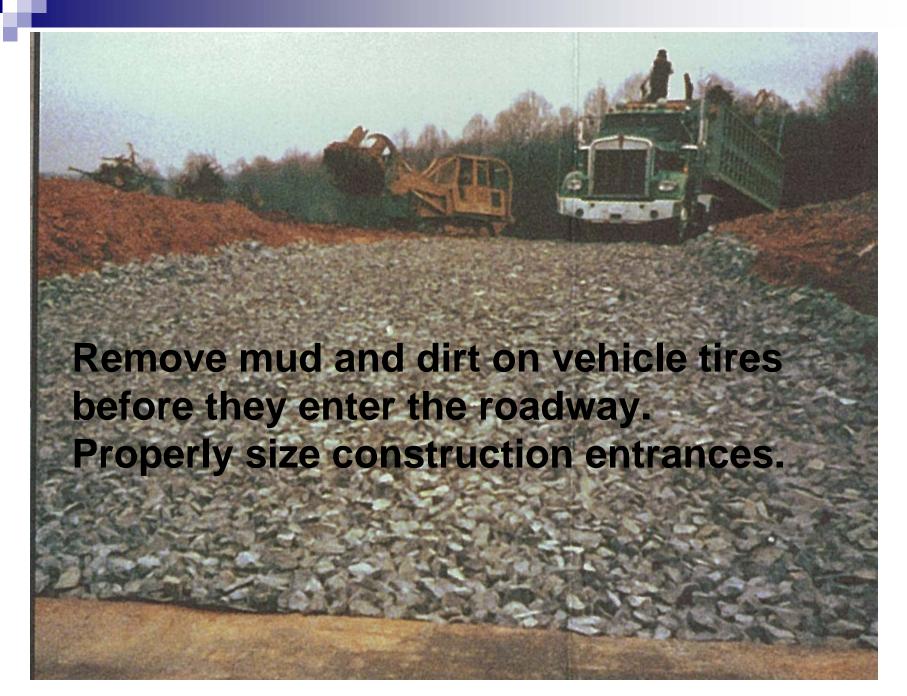


# **ARCHIVE DOCUMEN** US EPA

# **Cover or Seed All Dirt Stockpiles**



# **US EPA ARCHIVE DOCUMENT**



### Construction on Tribal Land and Adjacent Properties

- Casinos
- Housing
- Infrastructure
- Road projects

# Outline

- Stormwater Runoff what is the harm?
- Pollution Prevention
- Stormwater Pollution Prevention Plans
  - Using this valuable tool
  - Who is responsible for the SWPPP
- Have it onsite:
  - The SWPPP and other documents

### How is the SWPPP used?

- As a planning tool.
- The SWPPP demonstrates how a site will comply with the requirements in NPDES stormwater permits.
- A changing document, the SWPPP reflects what is happening on the site.

# Pull a permit, create and use a SWPPP

- More than 1 acre disturbed.
- Less than 1 acre (part of a common plan of development) disturbed.
- Projects on Tribal lands need to apply to EPA for coverage under the Construction General Permit (NPDES).
- Projects on state lands need to apply to appropriate state agency.

#### What does a SWPPP do?

- Identifies potential sources of stormwater pollution.
- Describes Best Management Practices (BMPs) to reduce pollutants and the volume of stormwater discharges.
- Identifies the BMPs operator(s) will implement.
- Describes each major phase of construction.
- Outlines the roles and responsibilities of contractors and subcontractors.
- Evaluate BMP effectiveness
  - □ The SWPPP documents your inspections.
  - □ BMPs will change as the project proceeds.

## Who develops the SWPPP?

- If there is more than one operator on your project, consider coordinating development of your SWPPP with the other operators.
- The SWPPP should be signed and certified by all construction operators.

#### **Elements of a SWPPP**

- Construction company information
- Site map
- Potential pollutants
- Identify receiving waters
- Best Management Practices for managing stormwater.
- Monitoring inspections, sampling, spill reports.
- Employee training log

### Developing Your Stormwater Pollution Prevention Plan

- www.epa.gov/npdes/swppguide
- The EPA SWPPP Guide is a Word document.
- Assess the site.
- Select appropriate BMPs.
- Select appropriate Good Housekeeping BMPs.
- Document Compliance: Inspections, Maintenance, and Recordkeeping

Sterrowater Pollution Prevention Plan (SWPPP) INSERT PROJECT NAME and DATE

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#### Stormwater Pollution Prevention Plan

#### for:

Insert Project Name Insert Project Site Location/Address Insert City, State, Zip Code Insert Project Site Telephone Number (if applicable)

#### Operator(s):

Insert Company or Organization Name Insert Name Insert Address Insert City, State, Zip Code Insert Telephone Number Insert Telephone Number

#### SWPPP Contact(s):

Insert Company or Organization Name Insert Name Insert Address Insert City, State, Zip Code Insert Telephone Number Insert Fax/Email

#### SWPPP Preparation Date:

#### \_\_\_\_(\_\_\_\_\_

**Estimated Project Dates:** 

Project Start Date: \_\_J\_\_J\_\_\_ Project Completion Date: \_\_J\_\_J\_\_\_ Stormwater Pollution Prevention Plan (SWPPP) INSERT PROJECT NAME and DATE

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Appendix H – Subcontractor Certifications/Appendents
Appendix I – Grading and Stabilization Activities Log (or in Part 6.1)
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Sternwater Pollution Prevention Plan (SWPPP) INSERT PROJECT NAME and DATE

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Stormwater Pollution Prevention Plan (SWPPP) INSERT PROJECT NAME and DATE

#### SECTION 1: SITE EVALUATION, ASSESSMENT, AND PLANNING

1.1 Project/Site Information

ansurate.

#### - In this acction, you can gather some basic sits information that will be helpful to you later when you file for permit coverage. - For more information, see Developing Your Storsweller Pallution Prevention Plan: A SWPPP Guide for Construction Siles Jalso known as the SWPPP Guide), Chapter 2 - Detailed information on determining your site's latitude and longitude can be found at www.epe.gov/modeontamewaternationg Project/Site Name: \_\_\_\_ Project Street/Location: City: State: ZIP Code: County or Similar Subdivision: \_\_\_\_\_ Latitude/Longitude (Use one of three possible formata, and specify method) Latitude: Longitudet 1. \_\_\_\_\* \_\_\_ \* N (degrees, minutes, seconds) 1. \_\_\_ " \_\_\_ " W (degrees, minutes, seconds) 2. \_\_\_\_'W (degrees, minutes, 2. \_\_\_\_ N (degrees, minutes, decimal) decimal) 3. \_\_\_\_ \* N (decimal) 3. \_\_\_\_ \*W (decimal) Method for determining latitude/longitude: USGS topographic map (specify scale: \_\_\_\_\_ EPA Web site GPS Other (please specify): is the project located in Indian country? Yes No No If yes, name of Reservation, or if not part of a Reservation, indicate "not applicable." is this project considered a federal facility? Yes No. NPDES project or permit tracking number\*:

\*(This is the unique identifying number assigned to your project by your permitting authority after you have applied for coverage under the appropriate National Pollutant Direktory: Elimination System (NPDES) construction general permit.)

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EPA SWPPP Template, Version 1.1, September 17, 2007

## In Addition to a SWPPP, These Records Must Be Onsite

- Dates of grading, construction activity, and stabilization.
- The Site Map.
- Inspection logs (date, findings, corrections).
- A copy of the construction general permit.
- The signed and certified NOI.
- Records relating to endangered species and historic preservation.

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