

# ODOT/AGC

## 1200-CA Permit update first since 2000



In my allotted time today, I can't train to the full content of the Permit. Contractors their, ESCMs need to read the Permit

**1200-CA Permit update will require changes to Erosion and Sediment Control Plan implementation and compliance with permit requirements during construction – Changes are a large leap**



Permit Documents are located in the [ODOT Erosion & Sediment Control web page](#) under **Guidance Materials ESCP during construction – READ THE PERMIT**

# Permit Update Timeline

Projects will be held to the updated Permit's requirements on **April 1, 2023** **Except**

**Permit Section 16 – Corrective Actions are now in effect.** This is of critical importance to DEQ



# Redefine ESCP

Erosion and Sediment Control Plan is not just the plan sheets, but a folder of information including:

- ESC Plan Sheets – **Revised prior to construction and several times during Construction**
- Landscape Plan Sheets if they provide final stabilization
- Erosion and Sediment Control narrative
- 00280 Specifications AND Special Provisions
- 00290 Specifications AND Special Provisions
- 01030 Special Provisions
- Standard Drawings used on a Project
- Monitoring reports
- ESCP revisions
- Corrective Action self reports, and Plan submittals

DEQ requires the ESCP to provide an understanding of all aspects of Project that affects erosion & sediment control and pollution prevention

# **Contractor Must Revise ESCP Prior to Beginning Construction to Provide the following:**

- Contractors working on Project site,
- Personnel's name & position for all staff designing, installing & maintaining ESC during construction,
- Staging area, stockpile area, materials processing area with appropriate ESC BMPs
- Location(s) of above items if not on ODOT land
- Personnel conducting monitoring (ESCM) including name, title, contact information & certification
- Environmental Management Plan if applicable
- Have CURRENT copy of ESCP on site. Electronic file is OK

# ODOT submits ESCP with required Cover Sheet to DEQ prior to bid let and Contractor must revise, prior to construction, with personnel & Project info that was not available during design

### ESC PLAN FOR SITES 1 TO 6 ACRES

Address \_\_\_\_\_  
 Phone: 503-\_\_\_\_\_  
 Fax: 503-\_\_\_\_\_

**SITE MAP**  
NOT TO SCALE  
For Information Only

**NEIGHBORHOOD MAP**  
NOT TO SCALE  
For Information Only

**EROSION AND SEDIMENT CONTROL GENERAL NOTES**

The construction, adjustment, maintenance, and upgrading of these erosion and sediment control measures is the responsibility of the contractor for the duration of the project to comply with Section 682.80 of the Oregon Standard Specifications for Construction and the 1926-CM permit.

Erosion and Sediment Control measures shown on this plan are for anticipated site conditions. Adjust or upgrade these measures for unexpected storm events to ensure that sediment and sediment-laden water does not leave the site.

Develop a revised plan of the Erosion and Sediment Control measures shown as required by Section 682.80, Oregon Standard Specifications for Construction, implement this plan for all clearing and grading activities and its segments applicable to each staging phase. Construct in such a manner so as to ensure that sediment and sediment-laden water does not cover the roadway or drainage system, or violate applicable water standards.

Install measures within the right-of-way unless directed otherwise.

**STANDARD DRAWINGS**

- 601000 Erosion Control Structures
- 601001 Check Dams Type 1, 2 and 4
- 601005 Check Dams Type 2 and 6
- 601010 Inlet Protection Type 2, 3, 6, 7, 10 and 11
- 601015 Inlet Protection Type 4
- 601020 Sediment Barrier Type 2, 3 and 4
- 601021 Sediment Barrier Type 5 and 6
- 601032 Sediment Barrier Type 8
- 601031 Sediment Barrier Type 9
- 601040 Sediment Basin
- 601045 Temporary Slope Drains With Energy Dissipator
- 601050 Temporary Scour Basins / Energy Dissipator
- 601053 Slope and Channel Linings
- 601060 Tire Wash Facility Type 1 and 2
- 601065 Sediment Trap
- 601070 Concrete Trivet Mesh Out

The permittee is required to meet all the conditions of the 1926-CM permit. This ESCP and general conditions have been developed to facilitate compliance with the 1926-CM permit expedite requirements of this plan.

**BMP MATRIX FOR CONSTRUCTION PHASES**

Refer to DEQ Guidance Manual for a comprehensive list of available BMPs.

BMP Name	Phase 1	Phase 2	Phase 3	Phase 4	Final
	X	X	X	X	X

\* Signifies additional BMPs required for work within 50' of water of the state  
 \*\* Signifies BMP that will be installed prior to any ground disturbing activity.

**RATIONALE STATEMENT**

A comprehensive list of available best management practices (BMP) options based on DEQ's guidance manual has been reviewed to complete this erosion and sediment control plan. Some of the above listed BMP's were not chosen because they were determined to not effectively manage erosion prevention and sediment control for this project based on specific site conditions, including soil conditions topographic constraints, accessibility to the site, and other related conditions, as the project progressed and there is a need to revise the ESC-plan, an action plan will be submitted.

**DRAFT**

<b>PROJECT LOCATION:</b> Near the _____ County Name, Oregon	<b>PROPERTY DESCRIPTION:</b> The Lot (County Name Tax Map XX-X-XXXX located in the Sec. 04, T. 12P S., E. 04 N., W04, County Name, Oregon)	<b>EROSION FREQUENCY:</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>SITE CONDITION</th> <th>MINIMUM FREQUENCY</th> </tr> </thead> <tbody> <tr> <td>1. Active erosion</td> <td>Weekly when stormwater runoff, including runoff from snow melt, is occurring.</td> </tr> <tr> <td>2. Prior to the site becoming inactive or to eradication of site inconsistency.</td> <td>At least once every month, regardless of whether stormwater runoff is occurring.</td> </tr> <tr> <td>3. Inactive periods greater than four-month (14) consecutive calendar days.</td> <td>Once every month.</td> </tr> <tr> <td>4. Periods during which the site is inaccessible due to inclement weather.</td> <td>If practical, inspections must occur daily or as frequently as needed to ensure that sediment is not discharged into the stormwater system.</td> </tr> <tr> <td>5. Periods during which discharge is unlikely due to freeze conditions.</td> <td>Monthly, because inclement weather conditions make discharge likely.</td> </tr> </tbody> </table>	SITE CONDITION	MINIMUM FREQUENCY	1. Active erosion	Weekly when stormwater runoff, including runoff from snow melt, is occurring.	2. Prior to the site becoming inactive or to eradication of site inconsistency.	At least once every month, regardless of whether stormwater runoff is occurring.	3. Inactive periods greater than four-month (14) consecutive calendar days.	Once every month.	4. Periods during which the site is inaccessible due to inclement weather.	If practical, inspections must occur daily or as frequently as needed to ensure that sediment is not discharged into the stormwater system.	5. Periods during which discharge is unlikely due to freeze conditions.	Monthly, because inclement weather conditions make discharge likely.
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No.	DATE	REVISIONS	BY
1	02-09-09	Change	M.H.M.

**ATTENTION EXPLANATIONS**

Oregon law requires you to follow rules adopted by the Oregon quality certification council. These rules are set forth in OAR 85A-001-0010 through OAR 852-001-0000. You may obtain copies of these rules from the center by calling 503-252-1922. If you have any questions about the rules you may contact the center. You must notify the center as soon as business days before commencing an installation. Call 503-346-6096.

**SHEET INDEX**

SHEET NO.	DESCRIPTION
A01	Erosion and Sediment Control Cover Sheet
F801	Erosion and Sediment Control Plan
F802	Erosion and Sediment Control Plans
F803	Erosion and Sediment Control Details
F804	Erosion and Sediment Control Details

The Lots \_\_\_\_\_  
 Name County Tax Map \_\_\_\_\_

**PREPARED FOR:**  
 CLEAN WATER SERVICES  
 2550 SW Herlihy Highway  
 Hillsboro, OR 97123  
 Phone: 503-687-5000  
 Fax: 503-687-1820

DATE: \_\_\_\_\_

**PERMITTEE'S SITE INSPECTOR:** \_\_\_\_\_

Company/Agency: \_\_\_\_\_

Name: \_\_\_\_\_

Fax: \_\_\_\_\_

E-mail: \_\_\_\_\_

Description of Experience: \_\_\_\_\_

**OREGON DEPARTMENT OF TRANSPORTATION**

PROJECT TITLE  
PROJECT TITLE  
PROJECT TITLE  
HIGHWAY  
COUNTY

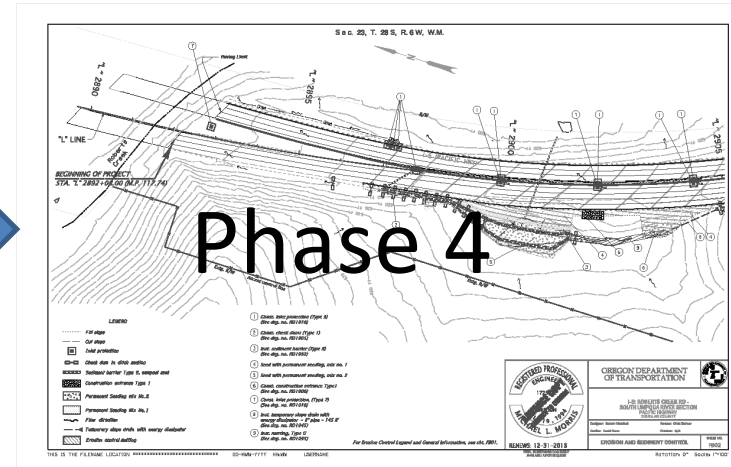
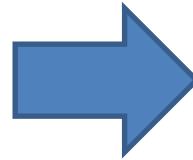
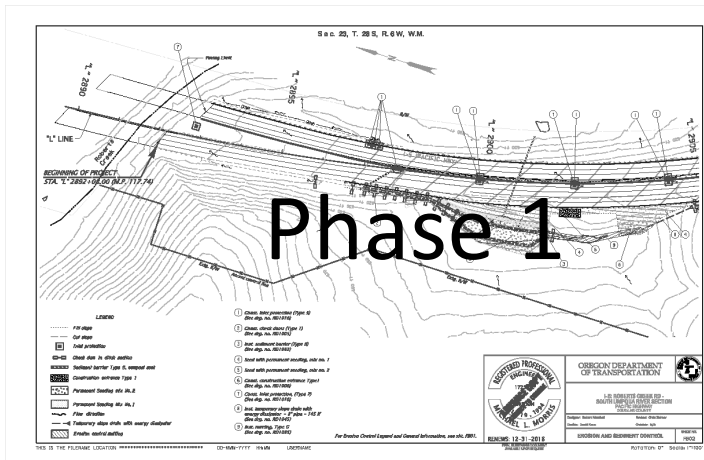
Designer: Name \_\_\_\_\_ Reseater: Name \_\_\_\_\_  
 Checker: Name \_\_\_\_\_ Checker: Name \_\_\_\_\_

**EROSION AND SEDIMENT CONTROL COVER SHEET**

SHEET NO.  
00000

THIS IS THE PLONAME LOCATION #####
DD-MMM-YYYY 10:23AM USERAME
FILE: \\BPS\BPS\COLLEGE\AMABLE\UPIN\BESAS

# Separate sheets for each phase of construction



Verify BMPs shown on phased ESCP are installed and adequate and appropriate for actual site conditions to provide effective functioning

# **SEDIMENT TRAPS**

**IF Sediment Trap is provided in location where post-construction water quality basin is proposed, the sediment trap must have 18" of sediment and soil removed AND replaced with material capable of satisfying stormwater management requirements for infiltration and/or water quality treatment**



# **In Addition To evidence of erosion or discharge of sediment the following are enforceable non-compliances:**

- BMPs shown on Plans not installed,
- Monitoring not conducted per requirements,
- Monitoring reports not accurate or timely,
- Prohibited discharges not self-reported,
- Corrective action reports not accurate or timely,
- ESCP Not updated (& submitted) to reflect changes on the ground.

**DEQ depends of submittals to monitor project compliance – Without submittals, compliance is suspect**

Erosion & Sediment Control is contracted work and is as much “Real Work” as other aspects of a Project.



# “Engineered” Soils

- Subgrade soils stabilized with cementitious material are “engineered soils”
- Where the possibility of runoff exists, from engineered soils, runoff must be captured in correctly sized sediment trap.
- Runoff from engineered soils, captured in sediment trap, must be tested for high pH.
- High pH water must have alkalinity neutralized prior to discharge
- Neutralizing treatments must be approved by DEQ prior to use



# Your DEQ Online (YDO)

All Submittals to DEQ Must Be Sent Through the Electronic YDO Portal, including:

- Erosion & Sediment Control Plans (ESCP)
- Environmental Management Plans (EMP)
- ESCP Updates
- Corrective Action Reports
- Payments

(monitoring reports are not periodically submitted, but must be available for DEQ review when asked)

Selected ODOT Staff are YDO "Responsible Officials" with signing authority. ESCMs and others may be delegated YDO Project access as "Consultants", for submittal preparation but do not have signing or submittal authority.

# **Revise ESCP To Keep it Representative of Current Site Conditions, Including:**

When construction plans change, when site conditions change, when BMPs change.

**ESCM provides ESCP revisions to Agency W/in 7 days of change, for submittal to DEQ**

**Agency submits to DEQ within 30 days of revision.**

Anticipate additional tasks in schedule & budget

# ESCP REVISIONS

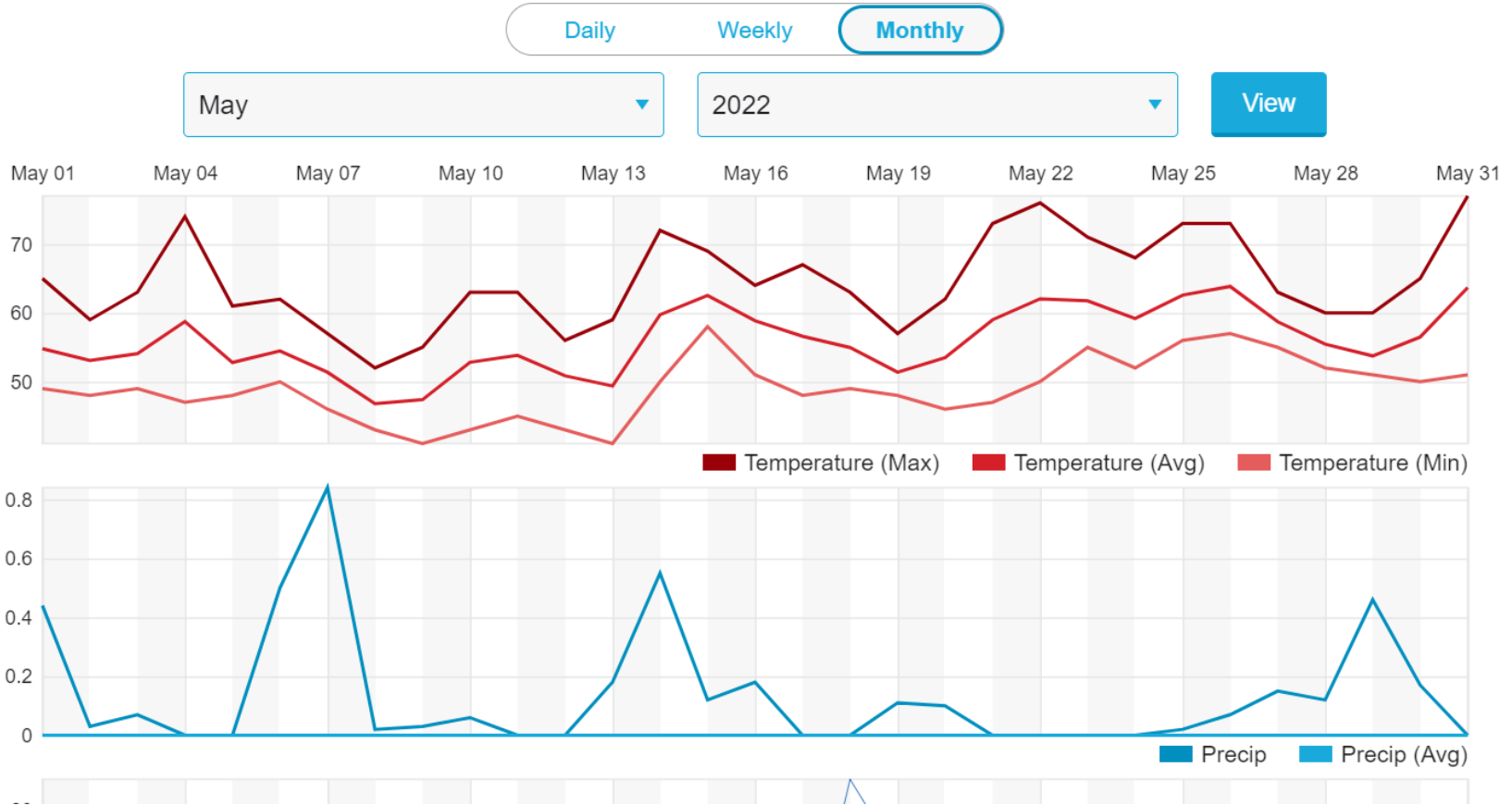
Revisions to ESCP will likely be the largest task added to the work of ESCMs



## **Contractor's ESCM Duties Include:**

- Read 1200-CA Permit & keep site permit compliant
- **Monitor site as follows:**
  - On initial date
  - Every 14 days
  - Within 24 hours of storm events that results in stormwater runoff
  - Within 24 hours of snow melt that results in runoff
- Monitor receiving waters
- Mobilize crews to provide corrective actions
- Fill out monitoring report and submit to Agency (ORS-012-0055: Failing to collect monitoring data required in Schedule B of the permit is a Class 1 [most severe] penalty)

# Weather DATA Monitored by DEQ



DEQ oversight of ODOT Projects has grown more strict



# **Non-Compliance Require**

## **Self Reporting & Corrective Actions**

- Mistakes happen. Self-Reporting sediment discharge to DEQ actually builds trust,
- DEQ would be suspicious if conditions were always perfect,
- Within 24 hours do the following:
  - Provide narrative of non-compliance,
  - Provide photos of discharge,
  - Clean up sediment or discharge,
  - Provide plans for correcting ESC failure,
- Follow non-compliance report with corrective action.

# **Non-Compliance Require Immediate Corrective Actions**

- Address conditions that caused discharge,
- Clean up sediment contamination left by discharge,
- Complete minor corrective actions by close of next business day,
- Install new or replacement BMPs, required by Corrective actions, within 24 hours,
- If completion of corrective actions within 24 hours is not feasible, document the schedule for implementing the corrective action,
- Revise ESCP to reflect corrective action repairs within 7 days.

# Corrective Action Report Include:

- Site name and Project's Permit ID number,
- Description and cause of non-compliance,
- Photos of discharge and NTU of receiving water,
- Period of non-compliance,
- Names of person(s) conducting monitoring,
- Corrective steps taken and timeline of the corrective action,
- Note of weather that may have contributed to the discharge,
- Revisions of ESCP to show corrective action BMPs.

# Corrective Action Result:

- When non-compliance is self reported, the discharge cleaned up, the cause of the discharge repaired and a Corrective Action Report submitted, the event will not be considered a permit violation.



# EMP requires Appendix A

## Appendix A - Environmental Management Plan Review Applications for Contaminated Media Management & Active Chemical Treatment Systems

February 2022

Includes:

- Contaminated Media Management Plan guidelines,
- Contaminated Media Management Plan Application,
- Active Chemical Treatment Systems guidelines,
- Active Chemical Treatment Management Plan Application

WQ Permitting  
700 NE Multnomah St.  
Suite 600  
Portland, OR 97232  
Phone: 503-229-5185  
800-452-4011  
Fax: 503-229-6124  
Contact: Blair Edwards

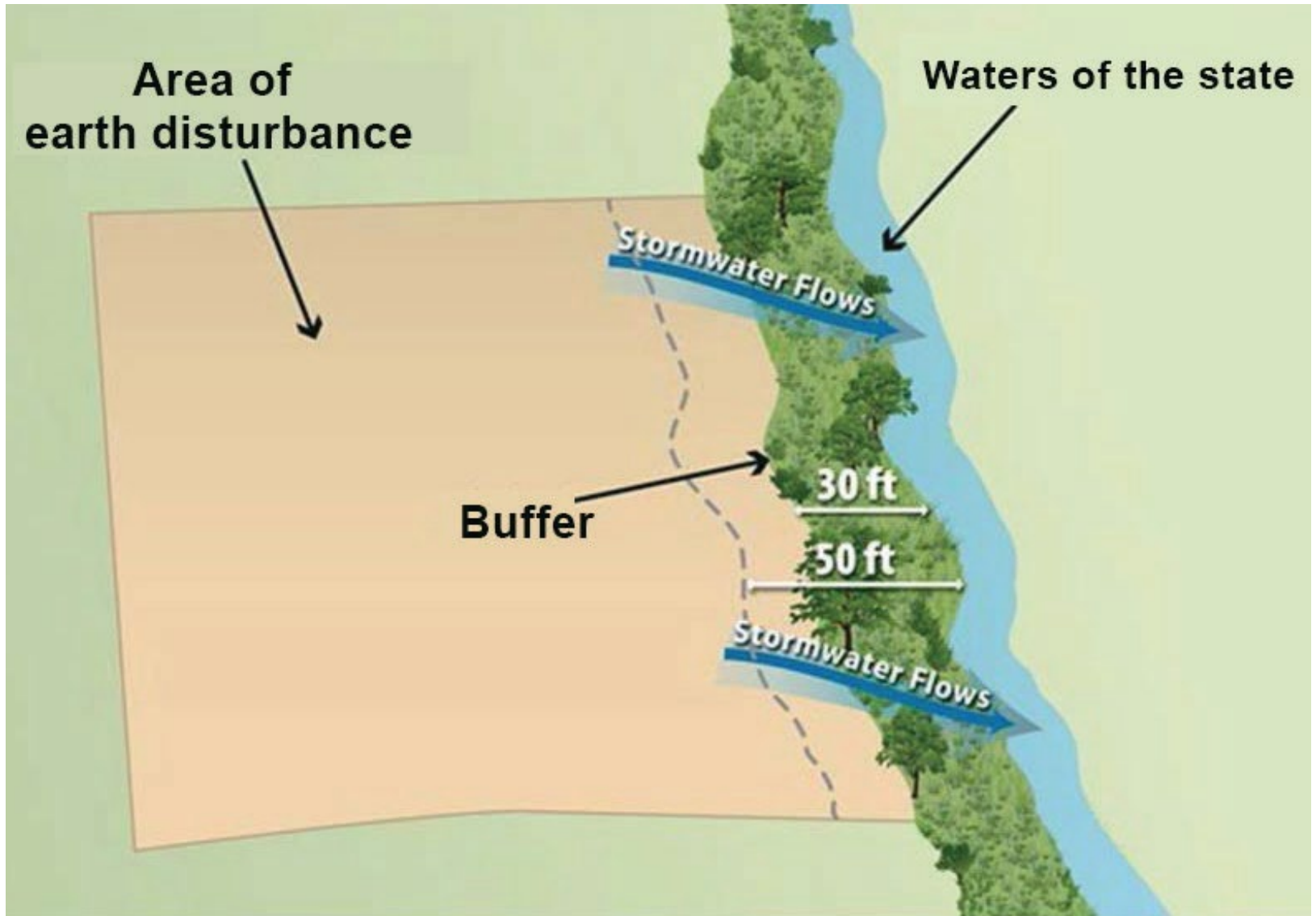
[www.oregon.gov/DEQ](http://www.oregon.gov/DEQ)

DEQ is a leader in  
restoring, maintaining and  
enhancing the quality of  
Oregon's air, land and  
water.



State of Oregon  
Department of  
Environmental  
Quality

# Appendix B - Buffer Zone



# Permit Requires Additional Tasks

- ESCM has more duties
- Threshold for monitoring after rainfall has changed
- Stricter oversight of concrete wash and alkalinity in stormwater runoff
- Environmental Management Plans (EMP)
- Sheets for each phase of construction
- Buffer Zones
- YDO Electronic Portal required for submittals

# ODOT Process Changes

- Revised 00280 Specifications
- Consultant Scope Template Revised
- Erosion Control Manual Revision
- Trainings for designers, Construction
- Scope work for additional tasks in Design & in Construction
- DEQ will require payments through web portal
- Drafting Standards must adapt



Erosion & Sediment Control Plans (ESCP) requirements are more stringent and includes more administrative tasks

DEQ will be more involved in Projects and provide closer scrutiny

ESCM will have more duties and responsibility

ESC installations and maintenance will not be significantly changed from current best practices, but oversight will

# Contractors are ODOT's partner in environmental protection and Permit compliance





Questions?