

Caltrans Projects Compliance with Construction General Permit



October 27, 2010

Caltrans Stormwater Program



Presenters

- Scott McGowen, Chief Environmental Engineer
- Joyce Brenner, Division of Environmental Analysis
- Chuck Suszko, Division of Construction
- Timothy Sobelman, Division of Design
- Tom Huff, Division of Environmental Analysis



Agenda

- Welcome – Purpose of Update with Caltrans and Partners
- Risk Level 1 Project Information
- Website Information
- “Water Quality Dispatch”
- Questions/Responses (Submit your questions, answers will be provided as time allows.)



What is the Construction General Permit ?

- Intent is to protect receiving waters from pollutants from construction stormwater discharge
- Required per Caltrans National Pollutant Discharge Elimination System (NPDES) Permit
- Regulated by the State Water Resources Control Board
- Affects all Caltrans construction with 1 acre or more soil disturbance
(except for the Tahoe Hydrologic Unit)
- Limited exemptions
 - Routine maintenance
 - Rainfall Erosivity Waiver



Risk Level Determination

Table 7 - Combined Risk Level Matrix

Combined Risk Level Matrix				
Receiving Water Risk		Sediment Risk		
		Low	Medium	High
	Low	Level 1	Level 2	
High	Level 2		Level 3	

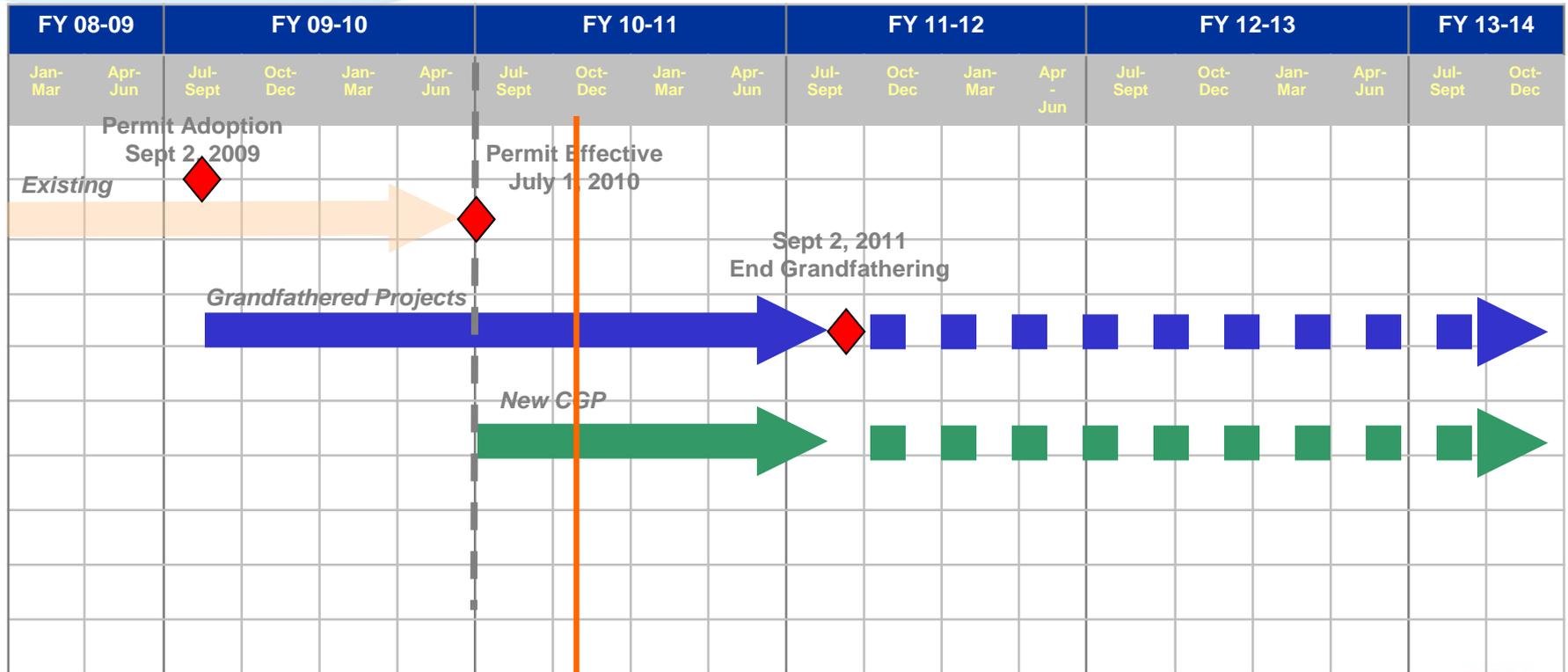
Agenda

- Welcome – Purpose of Update with Caltrans and Partners
- **Risk Level 1 Project Information**
- Website Information
- “Water Quality Dispatch”
- Questions/Responses (Submit your questions, answers will be provided as time allows.)



Construction Permit Implementation Plan

(Transition from Current to New Permit)



Today



Risk Level 1 Projects

- Ongoing Projects with a SWPPP and NOC
 - Grandfathered Risk Level 1, until Sept. 2, 2011. (unless a RL determination is requested by the Regional Board)
 - Issue Contract Change Order (CCO)
 - Update specification reference to new CGP
 - Soil stabilization and sediment control for inactive areas (14 days)
 - Year-round soil stabilization and sediment controls for DSA and stockpiles
 - Compensation to Contractors for additional soil stabilization and sediment control requirements.



Risk Level 1 Projects (cont'd)

- Ongoing Projects with a SWPPP and NOC
 - Attach Updated Information to Project SWPPP
 - Reference new CGP
 - Soil stabilization and sediment control for inactive areas (14 days)
 - Year-round soil stabilization and sediment controls for DSA and stockpiles
 - Construction Site Monitoring Program
 - Weekly site inspections and complete inspection checklist by Caltrans Staff (see SWPPP/WPCP Preparation Manual for inspection checklist)



New Projects

Will require the following:

- Continue to submit Notice of Construction (NOI for Local Agency)
- Risk Level Determination (Provided by Caltrans)
- SWPPP based on Risk Level
- Updated Stormwater Specifications
- Additional Stormwater Pay Items
- Contractor WPC Manager, QSDs and QSPs Qualifications/Training
- New Requirements per updated Specifications and new CGP:
 - BMP Implementation
 - Inspections
 - Construction Site Monitoring Program
 - Reporting



CPDs Issued and Posted on Website

- CPD 10-4
 - Implementation of New Construction General Permit (Risk Level 1 Projects)
- CPD 10-9
 - Implementation of New Construction General Permit (Risk Level 2 and 3 Projects)
- More directives to follow...

The screenshot shows the Caltrans Division of Construction website. The main content area displays a table of Construction Procedure Directives (CPDs). The table has three columns: CPD Number, Subject, and Date. The CPDs listed are:

CPD Number	Subject	Date
CPD10-12	Interviews with Contractor Personnel [pdf]	09/09/2010
CPD10-11	2010 Code of Safe Practices [pdf]	08/26/2010
CPD10-10	Shortage of Material--Pavement Striping and Markings [pdf]	07/30/2010
CPD10-9	Implementation of New Construction General Permit Risk Levels 2 and 3 [pdf]	07/30/2010
CPD10-8	Stem to Deck Construction Joint [pdf]	08/12/2010
CPD10-7	Supplemental G-12 Funds Request Memorandum--Signature Change [pdf]	07/16/2010
CPD10-6	Small Business Utilization Report Pilot Program Cancellation [pdf]	06/30/2010
CPD10-5	Adding Water to Concrete in the Field [pdf]	06/24/2010
CPD10-4	Implementation of New Construction General Permit [pdf]	05/24/2010
CPD10-3	Major Incident Notification [pdf]	04/22/2010
CPD10-2	Consistent Implementation of Caltrans Stormwater Management Program [pdf]	03/09/2010
CPD10-1	Small Business Utilization Report Pilot Program Extension [pdf]	02/25/2010
CPD 09-14	Resident Engineer Daily Reports and Monthly Pay Quantity Verification [pdf]	12/30/2009
CPD 09-13	Variance for Aerially Deposited Lead [pdf]	10/23/2009

Two green arrows point to the 'RELATED LINKS' section on the left, which includes 'Advertised Contracts', 'Construction Policy Bulletins (CPBs)', 'Construction Procedure Directives (CPDs)', and 'Construction Manual Change Transmittals (MCTs)'. Another green arrow points to a 'ROAD WORK AHEAD' sign icon below the links.

Risk Level 1 Projects

Year-round BMPs

The Permit identifies 5 categories of year-round minimum BMPs:

1. Good site management / housekeeping
2. Non-Stormwater Management
3. Erosion Control
4. Sediment Controls
5. Run-on / Run-off Controls



Risk Level 1 BMP Requirements

1. Good Site Management “Housekeeping”

Construction materials

- Cover stockpiled materials that are not actively being used
- Store chemicals in watertight containers
- Implement Tracking Control

Waste Management

- No rinse or wash materials on to impervious surfaces
- Contain portable toilets
- Clean or replace sanitation facilities and inspect for leaks and spills
- Cover waste containers at end of day and before rain
- Prevent discharges from waste disposal containers
- Watertight concrete wash-out areas
- Contain and securely protect stockpiled waste material
- Implement procedures to address hazardous and non-hazardous spills
- Spill response



Risk Level 1 BMP Requirements

1. Good Site Management “Housekeeping” (Continued)

Vehicle Storage and Maintenance

- No changes to existing BMPs

Landscape Materials

- Contain stockpiled materials when not actively being used
- Contain fertilizers and other landscape materials when not actively being used
- Discontinue application of erodible landscape materials 2 days prior to rain
- Store landscape material on pallets and cover

Potential Pollutant Sources

- Identification of pollutants and non-visible pollutant SAP.

Air Deposition of Site Materials and From Site Operations

- Limit such particulates as sediment, nutrients, trash and bacteria



Risk Level 1 BMP Requirements

2. Non-Stormwater Management

- Implement measures to control all non-stormwater discharges
- Wash vehicles in such a manner to prevent discharges to surface water or MS4 drainage system
- Clean streets in such a manner to prevent discharges to surface water or MS4 drainage system

3. Erosion Control

- Implement effective wind erosion control
- Provide effective soil cover for inactive areas and all finished slopes
- Limit the use of plastic materials when more sustainable , environmentally friendly alternatives exist



Risk Level 1 BMP Requirements

4. Sediment Controls

- Establish and maintain effective perimeter controls to sufficiently control erosion and sediment discharges from the site
- Stabilize all construction entrances and exits to sufficiently control erosion and sediment discharges from the site
- When sediment basins are designed, **at minimum, according to the method in the CASQA's Construction BMP Guidance Handbook**

5. Run-on and Run-off Controls

- Effectively manage all run-on, all run-off within the site and all run-off that discharges off the site.
- Run-on from off site shall be directed away from disturbed soil areas



Risk Level 1 Requirements

Qualified SWPPP Developer (QSD)

- Resident Engineer for grandfathered projects
- Contractor must provide QSD for projects with new SWPPP specification

Qualified SWPPP Practitioner (QSP)

- Resident Engineer for grandfathered projects
- WPC Manager will need to meet the requirements of QSD, and therefore will meet the requirements of QSP, on projects with new SWPPP specification

Water Pollution Control Manager

- No new requirements for grandfathered projects
- Must meet the requirements for Qualified SWPPP Developer for projects with new SWPPP specification



Risk Level 1 Requirements

Construction Site Monitoring Program

Visual Site Monitoring Program

- Weekly (Attachment H or CEM-2030)
- Quarterly Non-stormwater Discharge
- Prestorm
- Daily during storm
- Post Storm

Stormwater Sampling and Analysis

- Non-visible Pollutants



Risk Level 1 Reporting Requirements

Notice of Construction

- Minor changes have been made to the form

Notice of Discharge

- Shall continue to report discharges to RWQCBs

Notice of Construction Complete

- Changes to reporting form

Stormwater Annual Report

- Project annual reports required September 2011

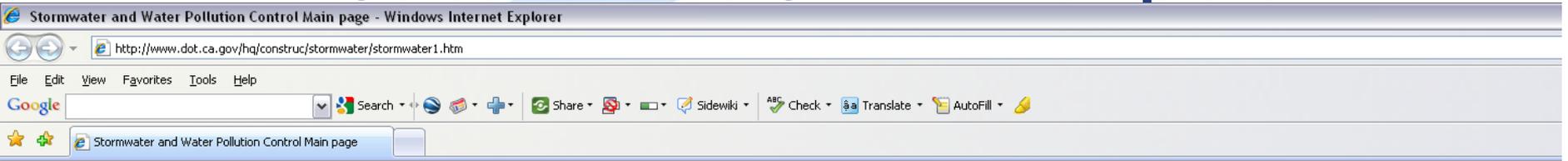


Agenda

- Welcome – Purpose of Update with Caltrans and Partners
- Risk Level 1 Project Information
- **Website Information**
- “Construction Stormwater Dispatch”
- Questions/Responses (Submit your questions, answers will be provided as time allows.)



Caltrans Construction Stormwater Website, Guidance and SWPPP Template



CA.GOV CALTRANS DIVISION OF CONSTRUCTION

Home Travel Business Engineering News Maps Jobs About Caltrans Contact Us

Transportation Permits | Encroachment Permits | Truck Services | Procurement & Contracts | Traffic Operations |

- Construction Home
- Contractor Payments
- iEWB System
- Construction Manual
- Construction Forms
- GoCalifornia Industry Capacity Expansion (ICE)
- Build California
- Hot Mix Asphalt Construction (HMA)
- Construction Districts
- Contact Construction

Caltrans > Business > Construction > Stormwater

Stormwater and Water Pollution Control

ABOUT STORMWATER AND WATER POLLUTION CONTROL



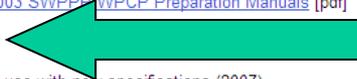
Caltrans has a comprehensive program for preventing water pollution during construction activities on the state highway system. Caltrans has developed a number of resources to help contractors meet this goal.

Caltrans water pollution control manuals provide direction on how to prepare a Stormwater Pollution Prevention Plan (SWPPP) and Water Pollution Control Program (WPCP) to assist construction contractors in their preparation of these documents. Caltrans has also developed and obtained the State Water Resources Control Board (SWRCB) approval for these documents.

Copies of Caltrans training documents, other training resources, and a listing of training facilities are available to assist Caltrans staff and construction contractor's implementation.

- ### RELATED LINKS
- Stormwater Main Page
 - SWPPP/WPCP Templates (2007)
 - SWPPP/WPCP Templates (2003)
 - SWPPP Attachments (2007)
 - SWPPP Attachments (2003)
 - WPCP Attachments (2007)
 - WPCP Attachments (2003)
 - Construction Compliance

- [Stormwater Quality Handbooks and Manuals](#)
- [List of Major Changes between 2007 & 2003 SWPPP/WPCP Preparation Manuals](#) [pdf]
- [Draft 2010 SWPPP Template](#)
- [SWPPP/WPCP Templates and Samples](#) use with new specifications (2007)
- [SWPPP/WPCP Templates and Samples](#) use with old specifications (2003)
- [SWPPP Attachments](#) use with new specifications (2007)
- [SWPPP Attachments](#) use with old specifications (2003)
- [WPCP Attachments](#) use with new specifications (2007)
- [WPCP Attachments](#) use with old specifications (2003)



Construction Stormwater Forms

Available Now

- CEM-2002 Notification of Construction
- CEM-2004 Notification of Construction (Desert Areas)
- CEM-2005 Notification of Rainfall Erosivity Waiver
- CEM-2006 Legally Responsible Person Authorization of Approved Signatory
- CEM-2030 Stormwater Site Inspection Report
- CEM-2034 Stormwater Best Management Practices Status Report
- CEM-2035 Stormwater Site Inspection Report Corrective Action Summary



Construction Stormwater Forms

Available Now

- CEM-2045 Rain Event Action Plan-Highway Construction
- CEM-2046 Rain Event Action Plan-Plant Establishment Phase
- CEM-2047 Rain Event Action Plan-Inactive Project
- CEM-2090 Notice of Completion of Construction

Coming soon....

- 21 New Stormwater Forms

Forms are available from the Division of Construction website at:

<http://www.dot.ca.gov/hq/construc/forms.htm>



Updated Construction Stormwater Guidance

New Draft SWPPP Template (July 2010)

- For New Risk Level 1, 2, or 3 Projects
- Updated SWPPP Template expected soon!

Coming soon....

- SWPPP and WPCP Preparation Manual
- Construction Site Monitoring Program Guidance Manual
- Construction Site BMP Reference Manual

Manuals are available from the Department's Construction Storm Water and Water Pollution Control web site at:

<http://www.dot.ca.gov/hq/construc/stormwater/stormwater1.htm>



Updated Design Stormwater Guidance

Stormwater Specifications (July 2010)

- **SSP 07-345** Water Pollution Control (SWPPP)
- **SSP S5-630** Relations with California Regional Water Quality Control Board
- **SSP 07-340** Water Pollution Control (WPCP)
- **SSP 07-346** Construction Site Management

<http://www.caltrans.ca.gov/hq/esc/oe/standards.php>

Project Planning and Design Guide (PPDG) (July 2010)

Storm Water Data Report (SWDR) (July 2010)

<http://www.dot.ca.gov/hq/oppd/stormwtr/index.htm>



CA .GOV CALIFORNIA DEPARTMENT OF TRANSPORTATION

Home Travel Business Engineering News Maps Jobs About Caltrans Contact Us

Transportation Permits Encroachment Permits Truck Services Procurement & Contracts Traffic Operations

Caltrans > Business > Division of Design > Manuals & Guidance > Storm Water

Storm Water

In 1999, the State Water Resources Control Board (SWRCB) issued a National Pollutant Discharge Elimination System (NPDES) permit that regulates storm water discharges from Caltrans facilities. The permit requires Caltrans to maintain and implement an effective Storm Water Management Plan (SWMP) that identifies and describes the Best Management Practices (BMPs) used to control the discharge of pollutants to waters of the United States.

This Guide describes the process for Caltrans staff to incorporate the BMPs from the SWMP into the planning and design phases of a project. It is important to note that this guide provides only minimum guidelines, and that storm water controls other than what are included may need to be incorporated on a project-by-project basis to comply with special requirements from a Regional Water Quality Control Board. This Guide may be updated as needed to reflect changes to the SWMP.

The July 2010 is available to view or download in pdf format. This includes all replacement pages as of September 2010. The replacement pages are available for printing if you received a previous hard copy.

- **New!** [July 2010 PPDG/SWDR Implementation Memo](#)
- **New!** The [Storm Water Quality Handbook - Project Planning and Design Guide](#) (July 2010) is available to view or download in:
 - [Project Planning and Design Guide Cover \(July 2010\)](#)
 - [Replacement pages to the July 2010 PPDG](#)
- Storm Water Data Report (SWDR)
 - **New!** SWDR Files - July 2010
 - [SWDR Instructions](#)
 - [SWDR Short Form](#)
 - [SWDR Long Form](#)
 - [SWDR Long Form and Attachments](#)
 - **New!** SWDR Attachments - July 2010
 - [SWDR Evaluation Documentation Form](#)
 - [SWDR Construction Consideration Form](#)
 - [SWDR SW Checklist 1](#)
 - [SWDR SW Checklist 2](#)
 - [SWDR SW Checklist 3](#)
 - [SWDR DPP Checklist](#)
 - [SWDR T Checklist](#)
 - [SWDR CS Checklist](#)
 - [SWDR May 2007 - Old Version](#)
- **New!** [Project Risk Level Determination Guidance](#)

RELATED LINKS

- Landscape Architecture Program
- Pavement
- Site Map
- Contact Division of Design
- Get Adobe Acrobat Reader
- [Get Adobe Reader](#)
- [Trouble with Acrobat Reader?](#)

Caltrans

STORM WATER MANAGEMENT
LEADING THE WAY

Caltrans

Updated with
new guidance
for CGP
compliance

<http://www.dot.ca.gov/hq/oppd/stormwtr/>

- Risk Level Determination
- Rainfall Erosivity Waiver
- Estimating Guidance
- BMPs
- Erosion Prediction RUSLE2

Most Visited RBF Intranet

Stormwater Statewide Program Division of Design - Storm Water

- Site Map
- Contact Division of Design
- Get Adobe Acrobat Reader
- Get ADOBE READER
- Trouble with Acrobat Reader?

- [SWDR Evaluation Documentation Form](#)
- [SWDR Construction Consideration Form](#)
- [SWDR SW Checklist 1](#)
- [SWDR SW Checklist 2](#)
- [SWDR SW Checklist 3](#)
- [SWDR DPP Checklist](#)
- [SWDR T Checklist](#)
- [SWDR CS Checklist](#)
- [SWDR May 2007 - Old Version](#)

Cal

- **New!** [Project Risk Level Determination Guidance](#)
- **New!** [Rainfall Erosivity Waiver Form and Guidance - Rainfall](#)
- **New!** [Estimating Guidance for CGP](#)
- **New!** [Construction Site BMPs \(Specifications, Standard Plan](#)
- **New!** [T-1 Checklist Infiltration Tool](#)
- **New!** [Erosion Prediction with RUSLE2](#)
- [Treatment BMP's \(Plans, Specifications and Guidance](#)
- Device modifications you should know about:
 - [Cross solids Removal Device \(GSPD\) Fact Sheet](#)

<http://www.dot.ca.gov/hq/oppd/stormwtr/>

- RUSLE (Revised Universal Soil Loss Equation) modified for Caltrans
- Predicts soil loss at construction sites (with our without BMPs)

The screenshot shows a Windows Internet Explorer browser window displaying the California Department of Transportation website. The page title is "Division of Design - Storm Water". The URL in the address bar is <http://www.dot.ca.gov/hq/oppd/stormwtr/rusle2.htm>. The website header includes the Caltrans logo and navigation tabs for Home, Travel, Business, Engineering, News, Maps, Jobs, About Caltrans, and Contact Us. A breadcrumb trail reads: [Caltrans](#) > [Engineering](#) > [Division of Design](#) > [Manuals & Guidance](#) > [Storm Water](#). The main content area is titled "Erosion Prediction with RUSLE2" and contains three sections: "Caltrans RUSLE2 Software", "Erosion Prediction Procedure", and "Caltrans RUSLE2 Training". Each section includes a "New!" announcement and a link to a document or presentation. A "RELATED LINKS" sidebar on the left lists various resources like "Landscape Architecture Program" and "Storm Water". A "Disclaimer" section at the bottom states that Caltrans does not guarantee the accuracy of the RUSLE2 software.

Division of Design - Storm Water

[Home](#) [Travel](#) [Business](#) [Engineering](#) [News](#) [Maps](#) [Jobs](#) [About Caltrans](#) [Contact Us](#)

Office Engineer | Advertised Highway Projects | Plans and Specifications | Bids Opened & Awarded Contracts |

[Caltrans](#) > [Engineering](#) > [Division of Design](#) > [Manuals & Guidance](#) > [Storm Water](#)

Erosion Prediction with RUSLE2

→ **Caltrans RUSLE2 Software**

Caltrans has modified the Revised Universal Soil Loss Equation version 2 (RUSLE2) software to facilitate use by designers. Changes to the RUSLE2 program simplify the interface and tailor the databases to the specific needs of Caltrans with the following:

New! [CALTRANS RUSLE2 INSTRUCTIONS FOR INSTALLATION](#)

New! [DOWNLOAD CALTRANS RUSLE2 ZIP FILE](#)

→ **Erosion Prediction Procedure**

The Erosion Prediction Procedure (EPP) defines a method to predict erosion rates at construction sites. The EPP includes stabilization and sediment control practices. The procedure introduces the concept of a Maximum Allowable Erosion Rate.

New! [EPP PDF FILE](#)

→ **Caltrans RUSLE2 Training**

This 8 hour, advanced course presents RUSLE2 modified for Caltrans use as a tool for predicting surface erosion and selection related to RUSLE2. This class is listed in LMS as "Design-Erosion Prediction using RUSLE2", course code 100504.

New! [CALTRANS RUSLE2 TRAINING POWERPOINT PRESENTATION](#)

RELATED LINKS

- [Landscape Architecture Program](#)
- [Pavement](#)
- [Site Map](#)
- [Contact Division of Design](#)
- [Get Adobe Acrobat Reader](#)

Disclaimer

Whereas every effort has been made to incorporate accurate data into the Caltrans RUSLE2 software and databases, its empirical nature requires the use of the best professional judgment. Caltrans does not guarantee that use of the Caltrans RUSLE2 software will assure regulatory compliance.

http://www.dot.ca.gov/hq/env/stormwater/ Search "Caltrans Stormwater Program"

Stormwater Statewide Program - Windows Internet Explorer

http://www.dot.ca.gov/hq/env/stormwater/

caltrans stormwater management

Stormwater Statewide Program

Home Travel Business Engineering News Maps Jobs About Caltrans Contact Us

Caltrans... We're Here to Get You There

Caltrans > DEA > Stormwater

Last Updated: Tuesday, June 22, 2010 10:48 AM

Caltrans statewide Stormwater Program

HOT TOPICS

 [NEW](#) The Construction General Permit (CGP) was adopted by the State Water Resources Control Board on September 2, 2009. The Order will take effect on July 1, 2010. Click [here](#) for more information.

Caltrans has a statewide Stormwater Program

The overall goal of the Stormwater Program is to integrate appropriate stormwater control activities into ongoing activities, thus making control of stormwater pollution a part of Caltrans normal business practices. Components of the Caltrans Stormwater Program include:

- 2003 Stormwater Management Plan. ([SWMP](#))
 - Caltrans developed the SWMP to describe the procedures and practices used to reduce the discharge of pollutants to storm drainage systems and receiving waters. The SWMP describes Caltrans program and addresses stormwater pollution control construction, maintenance, and operation of transportation facilities.
- [Annual Report and Regional Workplans](#).
 - The 2010 Annual Report reports on the activities that Caltrans has undertaken in the previous fiscal year to implement the SWMP. The District Workplans describe the activities that Caltrans Districts will undertake in the next fiscal year to implement the SWMP.
- Monitoring and BMP Development.
 - The purpose is to identify pollutants of concern in stormwater runoff from Caltrans facilities and to describe how Caltrans identifies, evaluates and approves BMPs.
- Public Education.
 - Public education is a major component of Caltrans stormwater management activities.
- Guidance for Design, Construction and Maintenance Activities.
 - Guidance documents have been developed to implement stormwater BMPs in the design, construction and maintenance of highway facilities.
The "[BMP Retrofit Pilot Program - Final Report](#)". The appendices of this report are available [here](#).

The mission of the California Department of Transportation (Caltrans) is to improve mobility across California. The Department plans, designs, constructs and maintains transportation facilities including: highways, maintenance facilities, park and ride lots, rest areas, bridges, tunnels, toll booths, and inspection stations.

Federal environmental regulations based on the Clean Water Act (CWA) have evolved to require the control of pollutants from Municipal Separate Storm Sewer Systems (MS4s), construction sites and industrial activities. MS4s include state operated roadways. Discharges from such sources were brought under the NPDES permit process by the 1987 CWA amendments and the subsequent 1990 promulgation of storm water regulations by the U.S. Environmental Protection Agency (EPA).

Caltrans was issued the nation's first statewide stormwater NPDES [permit in](#) 1999 by the State Water Resources Control Board.

What's on the INDEX:

- [MONITORING AND RESEARCH APPLIED STUDIES](#)
 - To help refine the framework of the Storm Water Program, Caltrans has implemented a number of monitoring and research applied studies and projects. Descriptions of these efforts can be found [HERE](#).
- [STORMWATER BULLETINS](#)
 - Support for the Caltrans Stormwater Program is provided through several periodic publications. A library of these publications is maintained [HERE](#)

Adobe Acrobat Reader is required to view and print PDF files. Adobe Acrobat is required to edit online forms and save them to your computer.

Get Acrobat Reader



Webcasts, FAQs, etc.

Stormwater Statewide Program - Windows Internet Explorer

http://www.dot.ca.gov/hq/env/stormwater/cgp/index.htm

CA .GOV CALIFORNIA DEPARTMENT OF TRANSPORTATION

Home Travel Business Engineering News Maps Jobs About Caltrans Contact Us

Caltrans... We're Here to Get You There

STORMWATER PROGRAM LINKS

- Stormwater Program Home
- Monitoring and Research Applied Studies
- Bulletins
- Public Education
- Links
- Planning Tool
- Reports
- NPDES Coordinators
- Annual Report

DIVISION OF ENVIRONMENTAL ANALYSIS (DEA) LINKS

- DEA Home
- SER Home
- Environmental Documents
- Contracts for Environmental Services
- About Us
- Frequently Asked Questions

Adobe Acrobat Reader is required to view and print PDF files. Adobe Acrobat is required to edit online forms and save them to your computer.

Get Acrobat Reader

Caltrans > DEA > Stormwater

Last Updated: Tuesday, September 28, 2010 1:20 PM

Construction General Permit

Order No. 2009-0009-DWQ

WHAT'S NEW

- A webinar presentation was held on June 22, 2010 on *Transition Caltrans Projects to New Construction General Permit*. Click on the links below to access information from the presentation. Posted 7/9/10
 - PDF (510 KB)
 - Recorded audio Exit CT (Duration: 1 hour 10 minutes)
 - Questions & Answers (35 KB)

This web page is intended to provide information on the Construction General Permit (CGP), which was adopted by the State Water Resources Control Board on September 2, 2009. The Order will take effect on July 1, 2010.

["Transition to the new Construction General Stormwater Permit for Caltrans Projects"](#) memo from Malcom Dougherty, Interim Chief Engineer.

Caltrans Stormwater staff is working on Departmental guidance and policy in order to adhere to the new regulations.

- [Letter from the State Water Resources Control Board](#) to Caltrans regarding response to letter dated January 12, 2010 requesting further clarification of several Caltrans-specific issues with implementation of the new CGP. Bruce Fujimoto, April 13, 2010.
- [Summary Letter](#) from the State Water Resources Control Board, Bruce Fujimoto, February 18, 2010.
- [Response Letter requesting clarification on CGP](#), Scott McGowen, January 12, 2010.
- [Letter from the State Water Resources Control Board](#) to Caltrans on Construction General Permit (CGP), Bruce Fujimoto, October 29, 2009.
- Water Quality Dispatch - This periodic bulletin, prepared by the Stormwater Program's Office of Stormwater Implementation, provides updates of stormwater and other water quality news for the Department. [Click here](#) to view the latest Water Quality Dispatch download archived editions of the Water Quality Dispatch.

Caltrans Frequently Asked Questions (FAQs). [Click here](#) to submit questions and concerns.

- [General FAQs](#) (21 KB) (posted 8/25/2010)
- [Question & Answer Session: Transitioning Caltrans Projects to the New Construction General Permit](#), June 22, 2010 (35 KB)

Visit the [State Water Resources Control Board](#) Exit CT website to access the [Construction General Permit](#) Exit CT and their [Frequently Asked Questions \(FAQs\)](#) Exit CT

Recorded Webcasts

Frequently Asked Questions

Agenda

- Welcome – Purpose of Update with Caltrans and Partners
- Risk Level 1 Project Information
- Website Information
- **“Water Quality Dispatch”**
- Questions/Responses (Submit your questions, answers will be provided as time allows.)



Caltrans Water Quality Dispatch

- About the CGP
- Caltrans Implements Rainy Season Requirements Year-round
- CGP Requires Year-round Perimeter Controls
- CGP Requires Year-round Erosion Controls

<http://www.dot.ca.gov/hq/env/stormwater/publicat/wqdispatch/index.htm>



Published by the California Department of Transportation, Division of Environmental Analysis, Office of Stormwater Program Implementation

September 22, 2010 *Number 10-01*

Welcome! This is the first of a series of publications from the Caltrans Stormwater Program. The goal of the Water Quality Dispatch is to inform and educate all interested parties about new policies and guidance, created to comply with changing water quality regulations and to promote process improvement staff and stakeholder Stormwater Program. Topics will be selected Stormwater Program.

The first few topics changes to our construction

Construction Guidance

The State Water Resources System (NPDES) General Land Disturbance Act called the Construction effective on July 1, 2009.

The CGP can be found at <http://www.waterboards.ca.gov>

Additional information is available at <http://www.dot.ca.gov>

Water Quality Dispatch is a Department. Verify information (916) 653-3738 with questions. <http://www.dot.ca.gov/hq>



Published by the California Department of Transportation, Division of Environmental Analysis, Office of Stormwater Program Implementation

September 22, 2010 *Number 10-02*

Caltrans Implements Rainy Season Requirements Year Round

Under the previous Construction Guidance were implemented during The new (current) CGP is under consideration of BMPs.

- **Temporary soil stabilization areas and all finished areas must have effective event.**
- **Stockpile management perimeter control stockpiles are defined stockpiles must be covered.**
- **Inspection: All BMPs on a weekly basis, year-round.**

Guidance
Construction Procedure order (CCO) language to stabilization and sediment requirements. <http://www.waterboards.ca.gov>

Standard Special Procedures revised to incorporate the changes covered by the new CGP <http://www.dot.ca.gov/hq>

Water Quality Dispatch is a Department. Verify information (916) 653-3738 with questions. <http://www.dot.ca.gov/hq>



Published by the California Department of Transportation, Division of Environmental Analysis, Office of Stormwater Program Implementation

September 22, 2010 *Number 10-03*

CGP Requires Year-Round Perimeter Controls

Construction projects are now required to install and maintain effective temporary sediment perimeter controls year-round. Inactive stockpiles must have temporary sediment perimeter controls. Typical perimeter controls are silt fence and fiber rolls. There may be some conditions where gravel bag berms or straw bales are used for perimeter control.

The perimeter control requirement also applies to inactive stockpiles at the project site. Inactive stockpiles are defined as stockpiles that are not scheduled to be used for at least 14 days. Periodic inspection and removal of accumulated sediment is necessary to maintain the effectiveness of perimeter control BMPs.

Temporary Perimeter Control: Inspection and Maintenance

- **INSPECT** sediment control BMPs before, during, and after each storm event, and weekly year-round.
- **CORRECT** a specific deficiency if found during the site inspection. Include necessary corrective action on the inspection checklist or stormwater site inspection report.
- **MAINTAIN** BMPs by removing sediment as required by the contract special provisions. Typically, sediment should be removed when the accumulated depth reaches one-third of the barrier height or original volume.

Guidance

Caltrans Water Quality Dispatch

- About the CGP
- Caltrans website with additional information about CGP implementation



Water Quality Dispatch

Published by the California Department of Transportation, Division of Environmental Analysis, Office of Stormwater Program Implementation

September 22, 2010

Number 10-01

Welcome! This is the first of a series of publications from the Caltrans Stormwater Program. The goal of the Water Quality Dispatch is to inform and educate all interested parties about new policies and guidance, created to comply with changing water quality regulations and to promote process improvements. Lessons learned will also be shared. The intended audience is Caltrans staff and stakeholders. These one page publications will address all aspects of the Department's Stormwater Program; including planning, design, construction, and maintenance activities. Topics will be selected based on program priorities and needs, and issues of interest within the Stormwater Program.

The first few topics of this new publication will be aimed at CGP activities, and the associated changes to our construction program.

Construction General Permit (CGP)

The State Water Resources Control Board issued the National Pollutant Discharge Elimination System (NPDES) General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities, Order No. 2009-0009-DWQ (NPDES No. CAS000002 commonly called the Construction General Permit (CGP), on September 2, 2009. The permit became effective on July 1, 2010.

The CGP can be found online at the State Board website:

http://www.waterboards.ca.gov/water_issues/programs/stormwater/constpermits.shtml

Additional information about Caltrans implementation of the CGP can be found:

<http://www.dot.ca.gov/hq/env/stormwater/cgp/index.htm>

Caltrans Water Quality Dispatch



Water Quality Dispatch

Published by the California Department of Transportation, Division of Environmental Analysis, Office of Stormwater Program Implementation

September 22, 2010

Number 10-02

Caltrans Implements Rainy Season Requirements Year Round

Under the previous Construction General Permit (CGP), Best Management Practices (BMPs) were implemented during the prescribed rainy season within the project's geographic location. The new (current) CGP has eliminated the non-rainy season versus rainy season basis for consideration of BMPs.

- **Temporary soil stabilization is now required on all inactive disturbed soil areas and all finished slopes.** Inactive areas of construction are areas that have not been disturbed and are not scheduled to be re-disturbed for at least **14 days**. Active disturbed areas must have effective temporary sediment controls installed prior to a forecasted storm event.
- **Stockpile management: Inactive stockpiles must have temporary sediment perimeter controls and temporary soil stabilization installed.** Inactive stockpiles are defined as stockpiles that are not scheduled to be used for at least 14 days. All stockpiles must be covered prior to a forecasted storm event.
- **Inspection: All BMP's installed on the project site must be inspected on a weekly basis, year round.**

Guidance

Construction Procedure Directive (CPD) 10-4 provides guidance and Contract Change order (CCO) language to implement the new CGP on going projects, including year-round soil stabilization and sediment control best management practices in place of current rainy season requirements. <http://www.dot.ca.gov/hq/construc/CPDirectives/cpdindex.htm>.

Standard Special Provisions (SSP) 07-345, Water Pollution Control, has been revised to incorporate the new requirements of the CGP. Projects advertised after July 1, 2010, covered by the new CGP, will include this revised SSP.

- Caltrans Implements Rainy Season Requirements Year-round
- Temporary soil stabilization is required on all active disturbed soil areas and all finished slopes (not scheduled to be re-disturbed for at least 14 days)
- Stockpile management
- Inspection BMPs weekly

Caltrans Water Quality Dispatch

- CGP Requires Year-round Perimeter Controls
- Inspect, correct, and maintain



Water Quality Dispatch

Published by the California Department of Transportation, Division of Environmental Analysis, Office of Stormwater Program Implementation

September 22, 2010

Number 10-03

CGP Requires Year-Round Perimeter Controls

Construction projects are now required to install and maintain effective temporary sediment perimeter controls year-round. Inactive stockpiles must have temporary sediment perimeter controls. Typical perimeter controls are silt fence and fiber rolls. There may be some conditions where gravel bag berms or straw bales are used for perimeter control.

The perimeter control requirement also applies to inactive stockpiles at the project site. Inactive stockpiles are defined as stockpiles that are not scheduled to be used for at least 14 days. Periodic inspection and removal of accumulated sediment is necessary to maintain the effectiveness of perimeter control BMPs.

Temporary Perimeter Control: Inspection and Maintenance

- **INSPECT** sediment control BMPs before, during, and after each storm event, and weekly year-round.
- **CORRECT** a specific deficiency if found during the site inspection. Include necessary corrective action on the inspection checklist or stormwater site inspection report.
- **MAINTAIN** BMPs by removing sediment as required by the contract special provisions. Typically, sediment should be removed when the accumulated depth reaches one-third of the barrier height or original volume.

Guidance

Construction Procedure Directive (CPD) 10-4 provides guidance and Contract Change Order (CCO) language to implement the new CGP on going projects, including year-round soil stabilization and sediment control best management practices in place of current rainy season requirements. <http://www.dot.ca.gov/hq/construc/CPDDirectives/cpdindex.htm>.

Standard Special Provisions (SSP) 07-345, Water Pollution Control, has been revised to incorporate the new requirements of the CGP. Projects advertised after July 1, 2010, covered by the new CGP, will include this revised SSP.

http://www.dot.ca.gov/hq/esc/oe/specifications/SSPs/2006-SSPs/Updates/2010-06_updates/

Caltrans Water Quality Dispatch

- CGP Requires Year-round Erosion Control
 - All inactive disturbed soil areas
 - All finished slopes
 - Inactive stockpiles
- Typical temporary erosion control
 - Hydraulic mulch, hydroseeding, soil binders, etc.



Water Quality Dispatch

Published by the California Department of Transportation, Division of Environmental Analysis, Office of Stormwater Program Implementation

October 19, 2010

Number 10-04

CGP Requires Year-Round Erosion Control

Construction projects are now required to provide temporary soil cover for inactive disturbed soil areas and all finished slopes. Inactive stockpiles must also have temporary erosion control. Inactive areas of construction and stockpiles are defined as areas of construction activity that have been disturbed that are not scheduled to be re-disturbed for at least 14 days. Inactive stockpiles are defined as stockpiles that will not be used within 14 days. Temporary erosion control must be installed on all active areas of construction and active stockpiles prior to a forecasted storm event.

- Typical temporary erosion control is hydraulic mulch, hydroseeding, soil binders, straw mulch or geotextiles, mats, plastic covers and erosion control blankets. There are criteria for temporary soil stabilization that may limit application of some types within 48 hours of a forecasted storm event.
- The CGP encourages dischargers to limit the use of plastic materials when more sustainable, environmentally friendly alternatives exist. Where plastic materials are used for temporary erosion control, consider use of plastic material resistant to solar degradation to increase material lifespan.
- Temporary Erosion control is now required year-round and it is important that the contractor have adequate erosion control materials and resources available to apply the erosion control materials prior to a forecasted storm. The resident engineer and contractor should ensure that adequate erosion control materials are available for active disturbed soil areas and stockpiles, and that additional erosion control materials are available before increasing the active disturbed soil area. You may want to consider having a written contingency plan on how temporary erosion control will be deployed prior to a forecasted storm event.

Guidance

Construction Procedure Directive (CPD) 10-4

<http://www.dot.ca.gov/hq/construc/CPDirectives/cpdindex.htm>

Standard Special Provisions (SSP) 07-345, Water Pollution Control

http://www.dot.ca.gov/hq/esc/oe/specifications/SSPs/2006-SSPs/Updates/2010-06_updates/

Agenda

- Welcome – Purpose of Update with Caltrans and Partners
- Risk Level 1 Project Information
- Website Information
- “Water Quality Dispatch”
- **Questions/Responses (Submit your questions, answers will be provided as time allows.)**



Followup from last Webinar...

- SMARTS submittals are not required at this time.
 - Guidance to be released early 2011
- LRP (Legally Responsible Person)
 - Guidance will be provided following State Board's approval of CGP amendment/clarification
- Local Agency Projects
 - Local Agencies responsible for filing NOI
- Previous webinar (June 22) recording is provided on the Caltrans Stormwater Program website

<http://www.dot.ca.gov/hq/env/stormwater/cgp/index.htm>



Questions?

Scott McGowen

Joyce Brenner

Chuck Suszko

Timothy Sobelman

Tom Huff

<http://www.dot.ca.gov/hq/env/stormwater/index.htm>

Online Viewers: Submit your questions in the Question box



THANK YOU FOR LISTENING

Caltrans Projects Compliance with Construction General Permit



October 27, 2010

Caltrans Stormwater Program

