

FOR TRAINING PURPOSES ONLY_ NOT FOR PUBLIC HANDOUTS

WQMP Basic Training Spring 2009

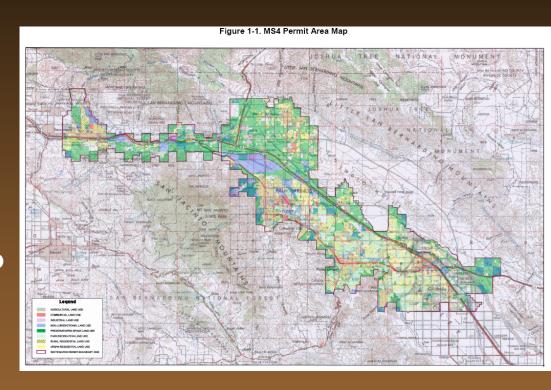
Whitewater River Region
Water Quality Management Plans
For Urban Runoff





Why are we here?

- It has been determined by the State of California that discharges from storm drain facilities contribute to a cumulative Pollutant Load downstream.
- Colorado River Regional Board has issued a Permit to implement programs that help preserve water quality and its beneficial uses



Example Implementation Programs

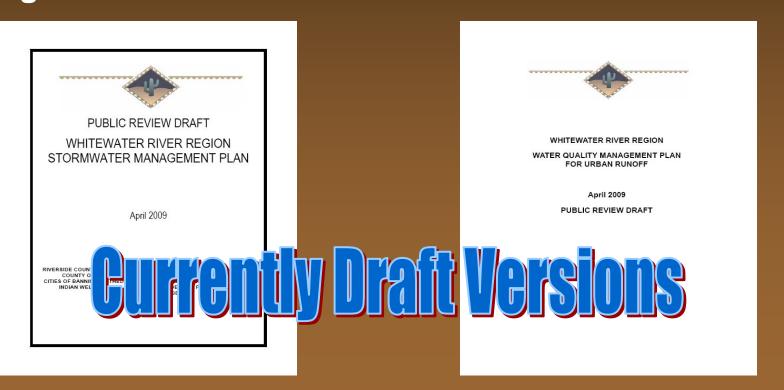
Programs under the Permit may include:

- IC/ID, Litter, Debris and Trash control Program
- Commercial/Industrial Program
- New Development/Redevelopment and Construction Activities Program
- Private Construction Activities Program
- Permittees Activities Program
- Public Education and Outreach Program
- **♦ TMDL**
- General Provisions
- Reporting Requirements
- Notifications



Training Session Objectives

- To understand the Requirements for Water Quality Management Plan for New Development and Redevelopment projects
- How to implement the Water Quality Management Plan Program



Today's Agenda

- Welcome and Training Process
- Whitewater River Region
 - NPDES Program Overview
- Project-Specific WQMPs
 - Project Categories



- Sections I VII
- Appendices A E
- Water Quality Management Plans Hands-On Exercise
 - Appendix F H
- WQMP Implementation
- Resources
- Roundtable Discussion



- **Session Breaks**
- Lunch Provided

Introductions

- Your AEI-CASC Presenter
 - **♦** Jeff Endicott, P.E., DEE
 - Melanie Sotelo
- Audience Introductions
 - Agency Staff By Dept.
 - Engineering Department
 - Planning Department
 - Building Department
 - Code Enforcement
 - Management
 - Others?



Training Process

- Restrooms
- Cell phones turn off, set to vibrate, or set to stun
 - If you must take a call, we'll stop talking and all listen in!
- A mid-session breaks and lunch are planned
- Questions
 - We have a lot to cover
 - "In-scope" questions Please signal
 - Will take them to the extent that many will benefit
 - "Out-of-scope" questions will be deferred
- Goal To complete the session within 6 hours
 - Sticking to the process will help accomplish this goal!
- I will be available after the session if you have additional questions

Hand Out Documents -Let's take a quick look at them!

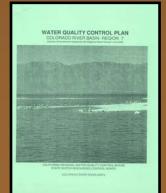
- Appendix H
 - Water Quality Management Plan for Urban Runoff
- WQMP hands-on Exercise
- Appendix P
 - **WQMP Review Checklist**
- 2006 CWA Section 303(d) list for Impaired Waterbodies
- Colorado River Basin Plan
- Common Acronyms







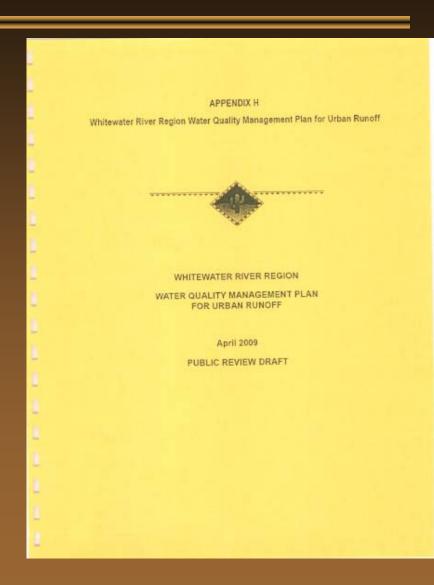






Water Quality Management Plan for Urban Runoff

- Let's take a look at the Guidance document.....
 - First section
 - Instructions
 - Second section Exhibit A
 - Template for WQMPs
 - Third section Exhibit C
 - Stormwater Quality Best Management Practice Design Handbook





WQMP Basic Training WQMP Overview

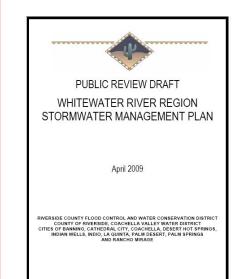


Whitewater River Region
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Whitewater NPDES Permit Coverage

Applies to operators of municipal storm drain systems between the San Gorgonio Pass area and the Salton Sea

Includes:

- Banning
- Cathedral City
- Coachella
- Coachella Valley Water District
- Desert Hot Springs
- Indian Wells
- Indio
- La Quinta
- Palm Desert
- Palm Springs
- Rancho Mirage
- Riverside County
- Riverside County Flood Control and Water Conservation District



Whitewater NPDES Permit Coverage

- Entities that are not Permittees (SWMP Section 1.4):
 - California and Federal Facilities
 - Native American Tribal Lands
 - Utilities and Special Districts
 - Agricultural Activities (Exempted by the CWA)



Comprises 57% of the Whitewater River Watershed

- These entities may be subject to municipal programs that require agency submittals in compliance with the NPDES Permit
- Each City needs to look at their agreements regarding Tribal Lands and verify with your City Manager

NPDES Permit Overview

- Regulates the discharge of Potential Pollutants in surface water discharges
- Regulates Non-Storm Water discharges
- Requires Permittees to minimize urban runoff from impacting receiving waters to the Maximum Extent Practicable

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD COLORADO RIVER BASIN REGION

73-720 Fred Waring Drive, Suite 100, Palm Desert, CA 92260 Phone: (700) 346-7491 • Fax (700) 341-6820 http://www.waterboords.ca.com/cdcrards/searce

> ORDER NO. R7-2008-0001 NPDES NO. CAS617002

WASTE DISCHARGE REQUIREMENTS

DISCHARGES FROM THE MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4)
WITHIN THE WHITEWATER RIVER WATERSHED
RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT,
OWNER/OPERATOR

COUNTY OF RIVERSIDE, OWNER/OPERATOR
COACHELLA VALLEY WATER DISTRICT, OWNER/OPERATOR
AND INCORPORATED CITIES OF RIVERSIDE COUNTY WITHIN THE
WHITEWATER RIVER BASIN, OWNERS/OPERATORS

Table 1. Administrative Information

This Order was adopted by the Regional Water Quality Control Board on:	: May 21, 2008	
This Order shall become effective on:	May 21, 2008	
This Order shall expire on:	May 21, 2013	
The Discharger shall file a Report of Waste Discharge in accordance with the Regulations, not later than 180 days in advance of the Order expiration dat new Waste Discharge Regulrements.	te as application for issuance of	
The date for submitting a complete application for reissuance is November	r 23, 2012.	

IT IS HEREBY ORDERED that this Order shall supercede Order No. 01-077 except for enforcement purposes, and, in order to meet the provisions contained in division 7 of the California Water Code (*CWC*) (commencing with section 13000) and regulations adopted hereunder, and the provisions of the federal Clean Water Act (*CWA*) (33 U.S.C. § 1251 et seq.) and regulations and guidelines adopted hereunder, the discharger shall comply with the requirements in this Order.

 Robert Perdue, Executive Officer, do hereby certify that this Order, with all attachments, is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board. Colorado River Basin Region, on May 21, 2008.

ROBERT PERDUE, Executive Officer

SWMP Overview

- Describes urban runoff management strategies planned by the municipal NPDES permit holders
- Addresses the prescriptive and stringent requirements in the 2008 Whitewater Municipal Permit





PUBLIC REVIEW DRAFT

WHITEWATER RIVER REGION STORMWATER MANAGEMENT PLAN



SWMP Overview Section 4 - Development Planning and Permitting

- Objective is to ensure that controls are in place to minimize water quality impacts from New Development and Redevelopment Projects
- Provides Details of:
 - Development Review, Approval, and Permitting
 - Conditioning
 - Permitting
 - Project closeout

Public Review Draft

Whitewater River Region SWMP

4.0 DEVELOPMENT PLANNING AND PERMITTING

4.1 Introduction

The Permittees have modified the SWMP to address the MS4 Permit requirements related to the planning and permitting of New Development and Redevelopment Projects within their jurisdictions that:

- Are discretionary and fall into one or more of the following Priority Development Project categories:
 - Single-family hillside residences that create 10,000 square feet or more of impervious area where the natural slope is 25% or greater;
 - Single-family hillside residences that create 10,000 square feet of impervious area where the natural slope is 10% or greater where erosive soil conditions are known;
 - Commercial and industrial developments of 100,000 square foot or more;
 - Automotive repair shops [includes Standard Industrial Classification (SIC) codes 5013, 7532, 7533, 7534, 7537, 7538, and 7539];
 - Retail gasoline outlets disturbing greater than 5,000 square feet;
 - Restaurants disturbing greater than 5,000 square feet;
 - Home subdivisions with 10 or more housing units; and
 - Parking lots of 5,000 square feet or more or with 25 or more parking spaces and potentially exposed to Urban Runoff.

0r

 Discharge into the MS4 and disturb an area of one acre or more, or disturb less than one acre, but are part of a larger common plan of development or sale (referred to as Other Development Projects).

The objective of the Development Planning and Permitting Program is to ensure that controls are in place to prevent or minimize water quality impacts from New Development and Redevelopment Projects to the MEP. The development approval and permitting processes carries forth project-specific requirements in the form of conditions of approval, design criteria, tracking, inspection, and enforcement actions. Figure 4-1 is a flow diagram that generally depicts the development planning and permit process.

April 2009 4-1

Water Quality Management Plan for Urban Runoff

- Goes beyond the SWMP -**Further addresses Post-Construction Urban Runoff**
- Guidelines for project-specific post-construction Best **Management Practices**
- Guidelines for Sub-Regional and Regional Best **Management Practices**



WHITEWATER RIVER REGION

WATER QUALITY MANAGEMENT PLAN FOR URBAN RUNOFF

April 2009

Instruction Manual for Preparer

Development Program Summary

- Storm water and urban runoff from areas of new development and redevelopment must be cleaned prior to discharge.
- Agencies are responsible for implementing development regulations within their jurisdiction
- Permittees in the Whitewater Region are required to Implement the Program by:

June 15, 2009

WQMP is a key element of the Development Program

Sample - Administrative Civil Liability

- County of Riverside received an **ACL Investigation notification on** May 7, 2009:
 - Scott Road Reconstruction Failed to require a SUSMP prior to issuance of grading permit. Constructed Nov 2008 - SUSMP Approved 449 days post plan approval
 - Mama O'Brien Park Site Enhancements – Failed to require a SUSMP prior to issuance of gr or building permit. Constructe March 2006 - Currently No SU



State Water Resources Control Board



Office of Enforcement

1001 I Street, 16th Floor, Sacramento, California 95814 P.O. Box 100. Sacramento, California 95812-0100 (916) 341-5272 FAX (916) 341-5896 http://www.waterboards.ca.gov

May 7, 2009

Via E-MAIL & CERTIFIED MAIL NO. 7008 1140 0002 3861 7884

Mr. Michael R. Shetler Senior Management Analyst NPDES Stormwater Program Coordinator Riverside County Executive Office 4080 Lemon Street, 4th Floor Riverside, CA 92501 MShetler@rceo.org

Dear Mr. Shetler:

SUBJECT: ADMINISTRATIVE CIVIL L

The California Regional Water Qu Board) has conducted an inv violated provisions of the Regional Water Board may impos n 13385.

Specifically, t within the San Waste Dischard Sewer Sy.

wer System (MS4) er No. R9-2004-001, the Municipal Separate he City of Murrieta, the City of onservation District within the ated the following MS4 Permit

adequately developing, adopting, and ting a ater Mitigation Plan (SUSMP) to reduce to the n icable (MEP) within 365 days of adoption of the ounty submitted a report received on January 2. neasures have been taken to fully implement the

opment Planning by failing to require, review, and implement a ilding or grading permit issuance for the Scott Road Reconstruction. oved the plans, specifications, and estimates without a SUSMP on The County completed construction of the project on November 27, County approved a SUSMP for the project on December 24, 2008, 449 days

California Environmental Protection Agency

Recycled Paper



WQMP Basic Training Project-Specific WQMPs

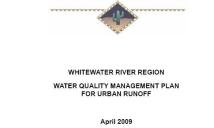


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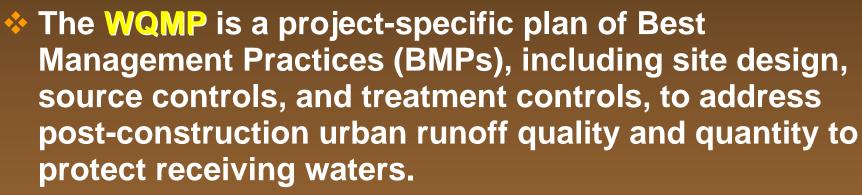


PUBLIC REVIEW DRAFT

- Session Breaks
- Lunch Provided

First Things First! What Is A WQMP?

- Water
- Quality
- Management
- Plan







Which projects require a WQMP?

- A Project-Specific WQMP is required for:
 - All New Development and Redevelopment projects which fall into one of the Priority Development Categories
- The "Project Category" is a key factor in...
 - Deciding whether a WQMP is required!
 - Identifying the pollutants likely to be associated with the project

	New Development and Redevelopment Projects Required Reporting Information for Projects Requiring Project-Specific WQMPs
APPL	: ICANT: PRINT NAME TITLE COMPANY PHONE EMAIL
1.	Project name as it is shown on the project application or project specific WQMP:
2.	Project Location:
	ADDRESS CITY ZIP CODE
3.	NEAREST CROSS STREETS Tract Numbers:
4.	Assessor Parcel Numbers:
5.	Other: OTHER INFORMATION TO HELP IDENTIFY LOCATION OF PROJECT OR OTHER PERTINENT INFORMATION
6.	Nearby Receiving Waters:
7.	NEARBY CREEKS OR STREAMS Size of Site (acres):
8.	Pre-construction Percentage of Site Impervious:
9	Estimated Post Construction Percentage of Site Imperviousness:
10). Does project require a WQMP ?

New Development and Redevelopment Determining Project Category

- A correct Project Category determination is essential!
- The correct Project Category is easy to determine for most projects
- Projects that fall into the "gray areas" of the category definitions will require careful consideration!
- An incorrect determination of Project Category could create significant future headaches such as...
 - Permit enforcement actions against the agency or owner
 - Requirements to retrofit a complete or near-complete project

And the Categories are....

New Development and Redevelopment Single-Family Hillside Residence

- 10,000 square feet or more of impervious surface is created
 - Includes areas where the natural slope is 25% or more OR
 - Areas with erosive soil conditions and natural slope is 10% or more



New Development and Redevelopment Commercial and Industrial

Commercial and Industrial developments of 100,000

square feet or more

- Examples include:
 - Recreational facilities
 - Mini-malls
 - Hotels
 - Office buildings
 - Warehouses
 - Light industrial facilities
 - Heavy industrial facilities



New Development and Redevelopment Automotive Repair Shops

- Based on Standard Industrial Classification Codes
 - 5013 Motor Vehicle Supplies and New Parts
 - 7532 Top, Body, Upholstery Repair Shops and Paint Shops
 - 7533 Automotive Exhaust System Repair Shops
 - 7534 Tire Retreading and Repair Shops
 - 7537 Automotive Transmission Repair Shops
 - 7538 General Automotive Repair Shops
 - ♦ 7539 Automotive Repair Shops, NEC







New Development and Redevelopment Retail Gasoline Outlets

Where project disturbs greater than 5,000 square feet



New Development and Redevelopment Restaurants

- * Where project site disturbs greater than 5,000 square feet
 - **SIC 5812 Eating and Drinking Places**



New Development and Redevelopment Home Subdivisions

- Construction of 10 or more housing units
- ***** Examples include:
 - Single family dwelling units
 - **Multi-family dwelling units**
 - **Condominiums**
 - Apartments



New Development and Redevelopment Parking Lots

- **❖** 5,000 square feet or more of impervious surface <u>or</u>
- 25 or more spaces potentially exposed to urban runoff. Includes site and facilities for the temporary storage of motor vehicles





Useful Tool

Public Review Draft

Whitewater River Region SWMP

Figure 4-2. Checklist – Projects Requiring Project-Specific WQMPs Whitewater River Region

Checklist for Identifying Discretionary New Development or Redevelopment Projects as Priority Development Projects Requiring a Project-Specific WQMP

Whitewater River Region

Project File No.
Project Name
Project Location

DETERMINATION: Circle appropriate determination.

Any question answered "YES"

Project requires a project-specific WQMP.

All questions are answered "NO"

Project requires incorporation of Site Design BMPs and Source Control BMPs imposed through Conditions of Approval or Permit

conditions.

project category

DETERMINATION: Circle appropriate determination.

Any question answered "YES"

Project requires a project-specific WQMP.

All questions are answered "NO"

Project requires incorporation of Site Design BMPs and Source Control BMPs imposed through Conditions of Approval or Permit

conditions.

April 2009 4-4

New Development and Redevelopment Public Works Projects

- All projects must incorporate Site Design and Source Control (structural and non-structural) BMPs
- Public Works projects that have similar qualities or characteristic of a specific Project Category shall be subject to the same category requirements as private development



Examples Include:

- A corporation yard may include a vehicle and equipment maintenance facility, which is very similar to an automotive repair shop
- A civic center or library is very similar in its characteristics to that of a commercial office building

New Development and Redevelopment Other Development Projects

- Projects not meeting the definition of Significant Redevelopment or New Development but discharge into the storm drain facilities and:
 - ♦ disturb an area of one acre or more or
 - disturb less than one acre, but are part of a larger common plan of development or sale (referred to as Other Development Projects).

New Development and Redevelopment Project Category Summary

- Single Family Hillside Residence
- Industrial and Commercial
- Automotive Repair Shops
- Retail Gasoline Outlets
- Restaurants
- Single Family 10 or more units
- Parking Lots
- Public Works Projects
- Other development

















New Development and Redevelopment Project Category Summary

To better understand the importance of the Project Category in a project-specific WQMP, in the next module, we will plancheck WQMP submittal

