



**San Diego Water Authority Workshop
June 8, 2015**

**Overview:
NPDES Program and
Statewide NPDES Permit for
Drinking Water System Discharges to
Waters of the United States**

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Acronyms/Terms

CWA – Clean Water Act

CWC – California Water Code

CTR – California Toxics Rule

COP – California Ocean Plan

SIP – Policy for Implementation of Toxics Standards for Inland Surface Waters, Enclosed Bays, and Estuaries of California (State Implementation Policy or SIP)

NPDES – National Pollutant Discharge Elimination System

DWS – Drinking Water System

MS4 – Municipal Separate Storm Sewer System

NOI – Notice of Intent

Notice of Non-Applicability

BMPs – Best Management Practices

Receiving Water, Surface Water, Water of the U.S.

Today's Presentation

- **Overview**
 - Regulatory Coverage
 - NPDES Program
 - Drinking Water Systems Discharge Permit
- **Detailed Discussion of Permit**
 - Enrollment
 - Authorized Discharges
 - Effluent Limitations
 - Monitoring Requirements
 - Application Checklist

Regulatory Coverage

■ **Supply Permit**

- Federal Safe Drinking Water Act and California Health and Safety Code
- Permit issued by State Water Board's Division of Drinking Water

■ **Discharge Permit**

- Porter-Cologne Water Quality Control Act or California Water Code
- Federal Clean Water Act

Clean Water Act Objective and Goals

Federal Water Pollution Control Act Section 101(a) sets

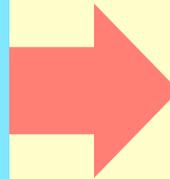
- Objective: Restore and maintain the chemical, physical, and biological integrity of the nation's waters
- National Goals:
 - By 1983, make U.S. waters **fishable and swimmable**
 - By 1985, eliminate the discharge of pollutants
- NPDES Program as the mechanism to achieve these goals



NPDES Program Framework

Discharging

- Pollutants
- All “point sources”
- Into “waters of the United States”



Must obtain an NPDES permit from the U.S. Environmental Protection Agency or an approved state*



*Authorized State program
(California is an authorized state for NPDES permitting)

Definition of NPDES Terms

Title 40, Code of Federal Regulations, Section 122.2 defines:

- Point Source
- Water of the United States
- Pollutant





What is an NPDES Permit?



- License to discharge
- No right to a permit; can be revoked
- Effective term of 5 years
- Individual or General Permit
- To apply, submit Report of Waste Discharge or NOI

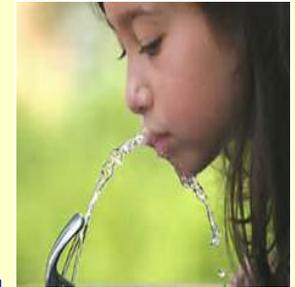
NPDES Permit Nuts & Bolts



- Cover Page (Facility Info/ Scope of Permit)
- Effluent Requirements/ Limitations
 - BMPs – Requirements
 - Chlorine – Limitations
 - Turbidity – Limitations
- Standard Provisions
- Special Provisions
- Monitoring and Reporting Program
- Fact Sheet (Basis of Requirements)

Receiving Water Beneficial Uses

- **MUN (Drinking Water Supply)**
 - MCLs and CTR Human Health
- **REC-1 (Water Contact Recreation)**
 - Coliform Standards and CTR Human Health
- **AGR (Agriculture)**
 - Agricultural Goals and Pathogen Standards (if direct consumption)
- **COLD or WARM (Aquatic Life Protection)**
 - CTR Criteria for Metals and Pesticides
 - Water Quality Objectives for Ammonia, Chlorine, Dissolved Oxygen, pH, Temperature, etc.



Do I Need An NPDES Permit?

- Are you discharging from a point source?
- Are you discharging to a water of the United States?
- Are you discharging pollutants?



Why Do I Need An NPDES Permit For Discharging Drinking Water?

- Toxicity from chlorine and metals
- Change in surface water pH and hardness
- Velocity/Volume
- Solids from sediments and trash
- Transport of pesticides and other pollutants



What Does The New NPDES Permit Do For Me?



- Provides water purveyors authority to discharge directly to U.S. waters
- Sets consistent water quality requirements for discharges statewide
- Provides exception to California Toxics Rule and California Ocean Plan
(Not exception to Clean Water Act)
- Streamlines compliance monitoring through field monitoring

What Does The New NPDES Permit Do For Me?

- Allows water purveyors to work with MS4s and other agencies to route discharge to:

- Groundwater recharge facilities
- Low impact development facilities
- Reuse (e.g. dust control)



What Does the New Permit Not Do for Me?



- Permit does not interfere with local storm water agency authority
- It is not a permit to discharge into a storm drain

How Do I Comply With The New Permit?

By September 1, 2015:

- **Submit a Complete Application Package (Attachment B-1 of Permit)**
- or**
- **Submit a Completed Notice of Non-Applicability (Attachment B-2 of Permit)**

How Do I Comply with the New Permit?

- Implement BMPs to protect beneficial uses of surface water



- Monitor



- Keep Records

- Report Annually



How Do I Get More Information?

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http://www.waterboards.ca.gov/water_issues/programs/npdes/drinkingwatersystems.shtml

For more information, visit our website or contact staff. To request a workshop in your area, contact any of the above staff.