

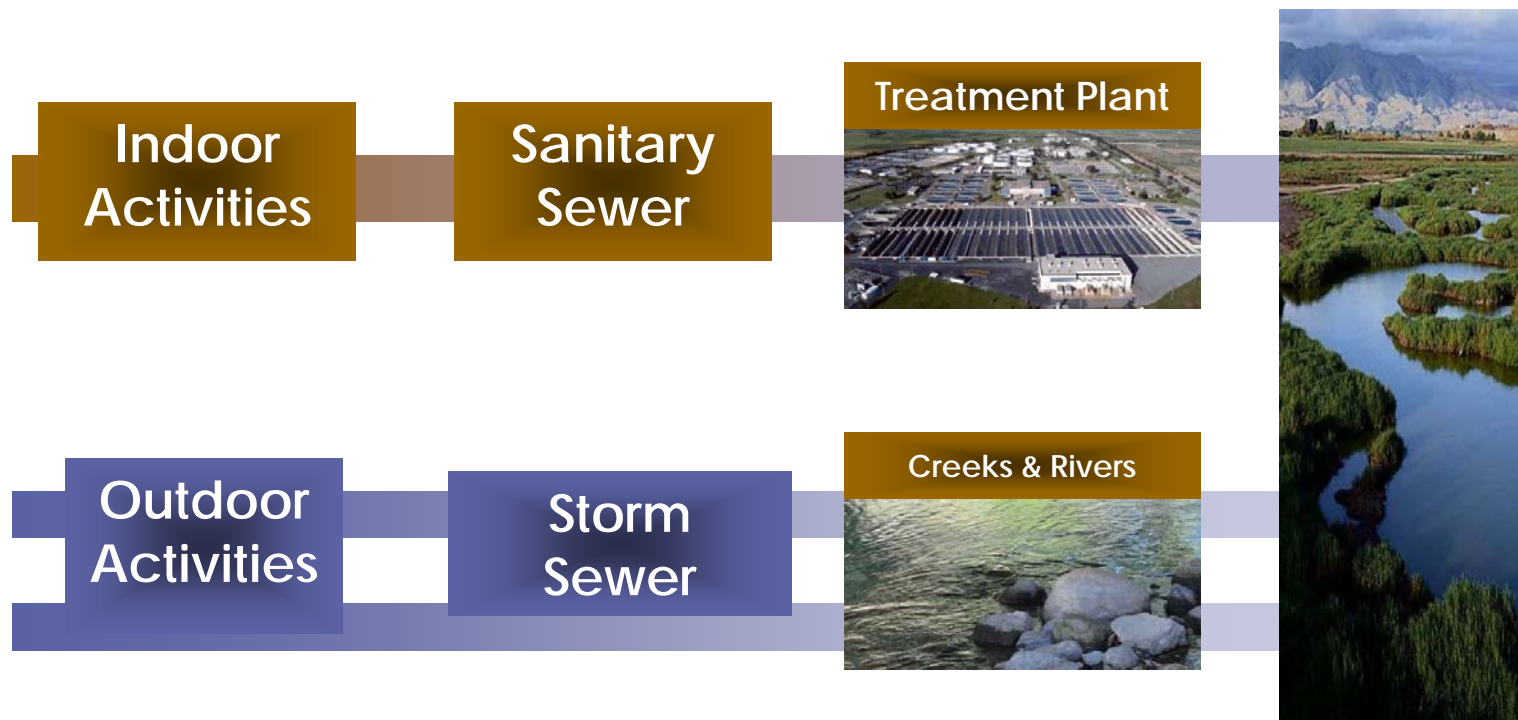
# Stormwater Pollution Prevention

## SCVURPPP Muni Ops AHTG

# Presentation Overview

- Stormwater Regulations
- Municipal Regional Stormwater Permit (MRP)
- Stormwater Pollution Prevention
- Resources

# Where Does The Water Go?



# Stormwater Regulations



U.S. EPA

Clean Water Act establishes NPDES permit program

State Water Resource Control Board

NPDES Permitting authority in CA

Regional Water Quality Control Board  
9 regions

Issues Municipal Regional SW Permit

Municipal Separate Storm Sewer System (MS4)

Implement Local Stormwater Program required by MRP



# Municipal Regional Stormwater Permit

# Municipal Regional Permit

- San Francisco Bay Municipal Regional Stormwater Permit (MRP)
- Covers 79 cities, counties, and districts in Bay Area
- SCVURPPP assists County, Valley Water and 13 cities/towns in Santa Clara County with compliance
  - SCVURPPP Muni Ops Ad Hoc Task Group (AHTG)

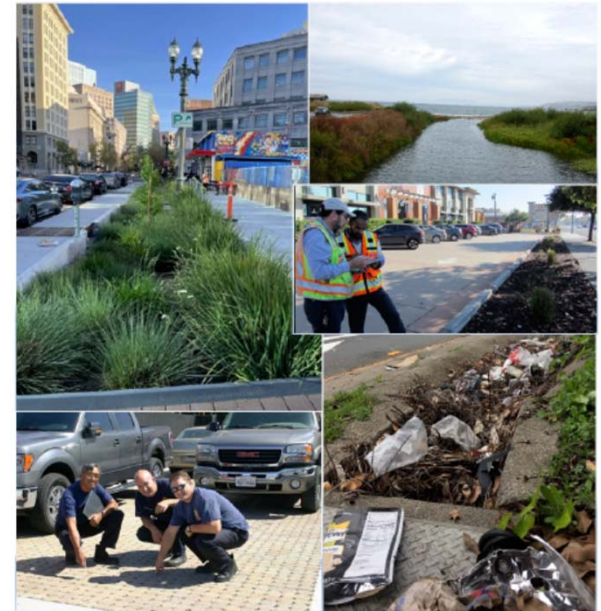


# Municipal Regional Permit

- First adopted October 14, 2009
- Permit renewed every 5 years
- MRP 2.0 Effective January 1, 2016
- MRP 3.0 Effective July 1, 2022

California Regional Water Quality Control Board  
San Francisco Bay Region  
Municipal Regional Stormwater NPDES Permit

Order No. R2-2022-0018  
NPDES Permit No. CAS612008  
May 11, 2022



# MRP Applicable Provisions

Topic Specific		Pollutant Specific		Monitoring/Reporting	
C.2 Municipal Operations	C.6 Construction Site Controls	C.9 Pesticides Toxicity Control	C.13 Copper Controls	C.8 Water Quality Monitoring	C.20 Cost Reporting
C.3 New Development and Redevelopment	C.7 Public Information and Outreach	C.10 Trash Load Reduction	C.14 Bacteria Controls	C.21 Asset Management	
C.4 Industrial/Commercial Site Controls	C.15 Exempted and Conditionally Exempted Discharges	C.11/12 PCB and Mercury Controls			
C.5 Illicit Discharge Controls	C.17 Unsheltered Homeless Populations				

# Provision C.2 Municipal Operations

- Field Activities
  - Street/Road Repair & Maintenance
  - Sidewalk/Plaza Maintenance & Pavement Washing
  - Bridge/Structure Maintenance
  - Graffiti Removal
  - Rural Roads Construction & Maintenance
  - Storm Drain Inlet Marking
- Fixed Facilities
  - Corporation Yards
  - Stormwater Pump Stations

# Stormwater Pollution Prevention

# Common Pollutants in Stormwater Runoff

- Sediment
- Trash/litter
- Potable water (chlorine)
- Pesticides and herbicides
- Fuel, oil and grease
- Construction materials
- Paint
- Concrete washout



# Stormwater Pollution Prevention



# Municipal Regional Stormwater Permit

- Prohibits **non-stormwater** discharges to
  - Storm drain system = street, gutter, inlets, pipes
  - Creeks
  - Bay
- Only Rain Down the Drain



# Municipal Regional Stormwater Permit

- Compliance demonstrated by implementing Best Management Practices (BMPs)

BMPs are

program,  
technology,  
process,  
siting criteria,  
operating method,  
measure, or  
device

which

controls,  
prevents,  
removes, or  
reduces

pollution

# Best Management Practices (BMPs)

- Structural controls
  - ✓ Inlet protection
  - ✓ Covers (e.g., tarps, roofs)
  - ✓ Equipment/material to capture debris/residue (drop cloths, tarps, drip pans, berms, secondary containment)
- Procedures
  - ✓ Don't store materials and debris near inlets/creeks
  - ✓ Use dry clean up methods
  - ✓ Keep work areas tidy
  - ✓ Schedule activities during dry weather

# Best Management Practices (BMPs)

- Prevent non-stormwater discharges
  - Spills
    - ✓ Keep lids on containers
    - ✓ Keep liquids in secondary containment
  - Leaks
    - ✓ Maintain equipment
    - ✓ Place drip pans under leaking equipment
  - Wash waters
    - ✓ Contain and collect wash water



KKO

**KK0**    Need new picture  
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# Best Management Practices (BMPs)

- Prevent potential pollutants from coming into contact with

- Rain
- Runoff



- Keep potential pollutants from leaving the site

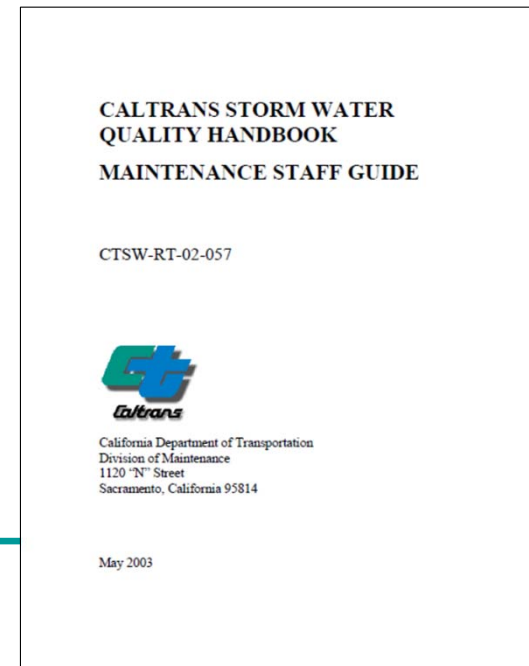
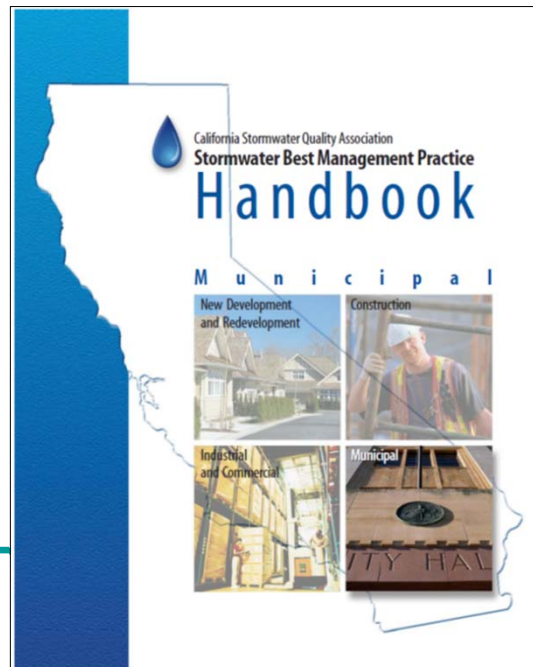
- Wind
- Track out



# Resources

# Resources

- SCVURPPP Members Only Webpage
  - CASQA Municipal Stormwater BMP Handbook
  - Caltrans Storm Water Quality Handbook Maintenance Staff Guide



# Contact Information

**SCVURPPP Muni Ops AHTG:**

**Kristin Kerr, P.E., QSD/P**

[kakerr@eoainc.com](mailto:kakerr@eoainc.com)

510-832-2852 x122