



Santa Clara Valley
Urban Runoff
Pollution Prevention Program



C.15.b. Water Utility Workshop

Field Implementation of New Stormwater Requirements for Water Utility O&M Discharges

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Santa Clara Valley Urban Runoff Program



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Presentation Overview

- What is the Municipal Regional Permit (MRP)?
- New Requirements for Co-Permittees that are Water Utilities
- SCVURPPP Guidance Document

Who are we?



Santa Clara Valley Urban Runoff Pollution Prevention Program

Cupertino

San Jose

Saratoga

Los Altos

Santa Clara

Santa Clara County

Los Altos Hills

Sunnyvale

Santa Clara Valley

Milpitas

Campbell

Water District

Mountain View

Los Gatos

Palo Alto

Monte Sereno

Bay Area Municipal Regional Permit

- Consolidates 6 Phase 1 municipal permits into 1 regional permit (76 permittees):
 - San Mateo, Santa Clara, Alameda, and Contra Costa Counties, Fairfield-Suisun, and Vallejo
- Ensures consistent level of implementation and promotes collaboration
- Process of development began in 2004
- Adopted: October 14, 2009
- Effective date: December 1, 2009



Permit Provisions

- C1 – Compliance with Discharge Prohibitions
- C2 – Municipal Maintenance
- C3 – New Development and Redevelopment
- C4 – Industrial and Commercial Discharge
- C5 – Illicit Discharge Detection and Elimination
- C6 – Construction Inspection
- C7 – Public Information and Outreach
- C8 – Water Quality Monitoring
- C9 – Pesticide Toxicity Control
- C10 – Trash Reduction
- C11 – Mercury Load Reduction
- C12 – PCBs
- C13 – Copper
- C14 – PBDE and Legacy Pesticides
- **C15 – Exempted & Conditionally Exempted Discharges**
- C16 – Reporting

C.15 Exempted and Conditionally Exempted Discharges (non-stormwater discharges to storm drains)

- **Exempt Discharges**
 - **Eight types of unpolluted non-stormwater discharges may be discharged to the storm drain**
 - **Conditionally Exempt Discharges**
 - **Other non-stormwater discharges are conditionally exempted when Permittees:**
 - Identify appropriate control measures
 - Monitor the non-stormwater discharge when necessary
 - Ensure implementation of effective control measures
 - **Examples include:**
 - Pumped groundwater, foundation drains, irrigation water, pool discharges, air conditioning condensate, residential car washing
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C.15 Exempted and Conditionally Exempted Discharges

- **Conditionally Exempt Discharges (cont.)**
 - **Potable Water System Discharges (C.15.b.iii)**
 - Only applies to Co-permittees that are Water Purveyors
 - Planned and Unplanned Discharges – requires appropriate control measures, notification, monitoring and reporting of discharges
 - Emergency Discharges – requires appropriate control measures, second in priority to protection of life and property

Potable Water System Discharges

- Planned – routine O&M activities
 - Appropriate BMPs for dechlorination and erosion and sediment controls
 - Notification to Water Board
 - Week in advance
 - Flow rate \geq 250,000 gpd
 - Total volume \geq 500,000 gal
 - Report project information

Potable Water System Discharges

- Planned (continued)
 - Monitoring Requirements
 - pH,
 - chlorine residual and
 - turbidity
 - Benchmarks to evaluate BMP effectiveness
 - Chlorine residual ≤ 0.05 mg/L
 - $6.5 \leq \text{pH} \leq 8.5$
 - Turbidity ≤ 50 NTU or limit increase in RW

Potable Water System Discharges

- Planned (continued)
 - Reporting Requirements
 - Project information (name, type, RW, date)
 - Discharge info (duration, volume, flow)
 - Monitoring data (chlorine residual, pH, turbidity pt of discharge & RW where feasible)
 - BMP description (implemented & corrective actions)

Potable Water System Discharges

- Unplanned – non-routine activities (water line breaks, leaks, overflows, emergency flushing, fire hydrant shearing)
 - Appropriate BMPs for dechlorination and erosion and sediment controls
 - Administrative BMPs
 - Notification Requirements
 - State OES within 2 hrs after being aware of aquatic impacts or compromised public health and safety
 - Water Board within 24 hrs of $\geq 500,000$ gallons and chlorine residual ≥ 0.05 mg/L (report due 5 days later)
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Potable Water System Discharges

- Unplanned (continued)
 - Monitor 10% of discharges
 - pH
 - Chlorine residual
 - Visually assess turbidity
 - Outside benchmarks triggers BMP improvement
 - Reporting requirements
 - Same as planned
 - Plus time of discovery, notification, inspector arrival and responding crew
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Potable Water System Discharges

- Emergency – natural or man-made disasters
 - Priority is life, property then environment
 - BMPs should not interfere with immediate emergency response operations
 - Reporting Requirements
 - Determined by Water Board

SCVURPPP Guidance Documents

- Conditionally Exempt Discharge Report (CED)
- Updated from SCVURPPP existing report
- Reviewed by Water Utility AHTG & Executive Committee
- Management Committee approved February 2011

SCVURPPP Guidance Documents (cont.)

- Water Utility Operation and Maintenance Discharge Pollution Prevention Plan (WUDPPP)
 - Updated from SCVURPPP and SCVWD existing Plans
 - Revised by Water Utility AHTG
 - Management Committee approved January 2011
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WUDPPP

- Guidance document – tailor for your activities/agency
- BMPs for
 - Erosion control
 - Control measures
 - Dechlorination
 - Sediment/Turbidity control
 - Control measures
 - Chemical Additives
 - Unplanned
 - Emergency
 - Monitoring and Reporting



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Questions?

- Program website:
www.scvurppp.org
(Click on “Program Components”)
- Information on final MRP:
Google “San Francisco Bay Municipal Regional Permit” or go to
www.scvurppp.org
(Click on “About SCVURPPP” then
“NPDES Permit”)



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