

Regulatory Refresher

- Stormwater Regulations 101
- Municipal Regional Permit Requirements
 - C.4 Industrial/Commercial Site Controls
 - C.12 PCBs Controls
 - C.13 Copper Controls
- State Industrial Activities General Permit
- SMCWPPP Resources



Stormwater Regulations 101

The Clean Water Act

- Requires a Permit to discharge into Waters of the State from Point Sources
 - Wastewater Treatment Plants
 - Industrial Facilities
- NPDES (National Pollutant Discharge Elimination System) Permits





1986 Amendments: Stormwater Nonpoint Source

- Requires permits to discharge stormwater from:
 - Municipal Separate Storm Drains (MS4)
 - Industrial Facilities
 - Construction Sites
- NPDES Municipal Stormwater Permits
- Larger municipalities' permits called Phase 1 and smaller ones Phase 2





Municipal NPDES Permitting Authority U.S. EPA State Water Resource Control Board 9 regions Municipal Separate Storm Sewer System (MS4) Water Philanton

Stormwater Permits

- Individual NDPES Stormwater Permits issued by Regional Board
 - Municipal Regional Permit (MRP)
- Statewide NPDES General Stormwater Permits – issued by State Board
 - Industrial General Permit (IGP)
 - Construction General Permit (CGP)
 - Phase II MS4 General Permit



What is the Municipal Regional Permit (MRP)?

- Regional permit regulating municipal stormwater systems
 - Adopted by Regional Water Board
 - Effective date: December 1, 2009
 - Permit renewed every 5 years
- Applies to cities, counties, and districts in:
 - San Mateo, Alameda, Contra Costa, and Santa Clara Counties
 - Fairfield and Suisun City (Solano County)
 - Vallejo (Solano County)



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



Commercial/Industrial Inspection Requirements in the MRP

- Provision C.4
- Implement commercial & industrial site inspection & control program
 - at all sites that could cause or contribute to pollution of SW runoff
- Implement with inspections, effective follow-up and enforcement
- Prevent discharges of pollutants and impacts on receiving waters



Commercial/Industrial Inspection Requirements in the MRP

- Legal Authority
 - · to inspect sites;
 - · require compliance; and
 - require sites have appropriate and effective BMPs
- Staff Training
 - Focused training annually



Commercial/Industrial Inspection Requirements in the MRP

- Business Inspection Plan
 - Identify facilities for inspection;
 - Prioritize inspections;
 - Inspection frequency;
 - Recordkeeping & Annual Reports Facility



Business Inspection Plan (BIP)

- Identify facilities by 8 activity areas
 - · Outdoor process and manufacturing
 - Outdoor material storage
 - Outdoor waste storage and disposal
 - Outdoor vehicle & equipment storage & maintenance
 - Outdoor wash areas
 - Outdoor drainage from indoor areas
 - Rooftop equipment
 - Other sources determined to have potential to contribute to pollution of SW runoff

Business Inspection Plan (BIP)

- Identify by types of facilities:
 - NO
 - · Vehicle salvage yards
 - Metal and other recycled materials collection facilities, waste transfer facilities
 - Vehicle mechanical repair, maintenance, fueling or cleaning
 - Building trades central facilities or yards, corporation vards
 - · Nurseries or greenhouses
 - Building material retailers & storage
 - Plastic manufacturers
 - Other facilities determined to have potential to contribute to pollution of SW runoff



Business Inspection Plan (BIP)

- What if County Environmental Health (CEH) Conducts Stormwater Inspections for your City?
 - City responsible for maintaining Facility List
 - City responsible for inspecting facilities <u>not</u> inspected by CEH



Industrial/Commercial Inspection Requirements in the MRP

- Enforcement Response Plan
 - Implemented by April 1, 2010
 - Enforcement Actions
 - Timely correction of violations
 - -Before next rain event
 - —≤ 10 business days
 - —Provide rationale if > 10 business days needed
 - Referral & coordination with Water Board



Industrial/Commercial Inspection Requirements in the MRP

- Recordkeeping
- Electronic database or table*
 - Facility
 - · Inspection date
 - Industrial General Permit coverage required
 - Compliance status
 - Type of enforcement
 - Type of activity or pollutant source
 - Specific problems
 - Problem resolution
- Comments
- Annual Report summary numbers should match tabular data
- * RB has required permittees submit tracking tables

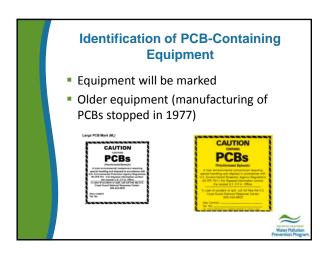


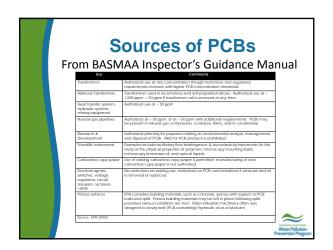


PCBs Controls

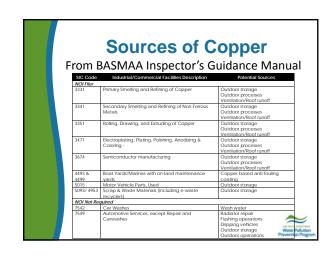
- Provision C.12.a
- Polychlorinated Biphenyls (PCBs)
- Incorporate PCBs & PCB-containing equipment identification in existing industrial inspections
 - Document incidents
 - Refer to appropriate agency
 - Training*
- *BASMAA Pollutant of Concern (POC) training materials



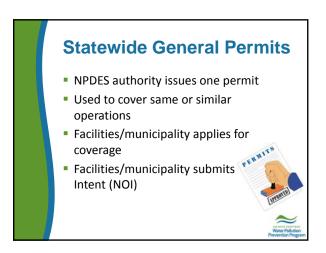




Copper Controls Provision C.13.d Industrial Sources Identify & include in inspection program facilities likely to use copper or have sources of copper Consider roof runoff that might accumulate copper deposits from ventilation systems on-site Ensure proper BMPs Inspector training* *BASMAA Pollutant of Concern (POC) training materials







Statewide Industrial Activities General Permit

- Permit reissued by State Board April 1, 2014
- Implementation date: July 1, 2015
- Previous version of Permit in effect since 1997
- Applies to specific types of facilities:
 - 40 CFR Subchapter N
 - Manufacturing facilities
 - Oil & Gas/Mining facilities
 - Hazardous waste treatment, storage or disposal facilities
 - Landfills, Land Application Sites and Open Dumps
 - Recycling facilities
 - Steam Electric Power Generating Facilities
 - Transportation facilities
 - Sewage or Wastewater Treatment works



Statewide Industrial Activities General Permit

- Contains requirements for
 - Minimum BMPs
 - inspections
 - sampling
 - Stormwater Pollution Prevention Plan (SWPPP)
 - · reporting
- Compliance inspections & enforcement by Regional Water Board staff



IGP Highlights

- Same industrial categories / activities
- Change to No Exposure Option
- No Group Monitoring now Compliance Groups
- More Prescriptive BMPs
- Monitoring Requirements
- Numeric Action Levels (NALs)
- Qualified Industrial Stormwater Practitioner (QISP)
- Reporting in SMARTS



Monitoring Requirements

- Monthly Visual Observations
- Sample Two Storm Events / half year (four events per year)
- Compliance Group Participants one event/half year



Exceedance Response Actions (ERAs)

- Numeric Actions Levels (NALs)
 - Annual Average NALs
 - TSS, O&G, site specific parameters
 - Instantaneous Maximum NALs
 —TSS, O&G, pH
- Discharger Status Levels
 - Baseline Status
 - Level 1 Status
 - Level 2 Status
- ERA evaluation & action plans by QISP



QISP

- Qualified Industrial Stormwater Practitioner
 - Complete State Board approved Training
 - Register on SMARTS
 - Required for Level 1 and 2 status work
 - Required for Compliance Group Leader



SMARTS Stormwater Multiple Application Reporting and Tracking System Permit Registration Documents Annual Reports Level 1 and 2 ERA Reports



What do you need to know about the Industrial General Permit?

- Facilities required to have coverage but have not filed a NOI are reported in your Annual Report
- MRP Inspections: looking at SWPPP, inspection records, sampling results, etc. may help inform your inspection

What do you need to know about the Industrial General Permit?

- Overall site compliance reflects on your inspection program
 - You inspect for compliance with local SW ordinance
 - Regional Board staff inspects for compliance with IGP

SMCWPPP Assistance

- CII Subcommittee Meetings
- CII Training Workgroup Meetings
- SMCWPPP Orientation Training materials
- BASMAA Pollutants of Concern (POC) training materials for PCBs and Copper
- Website: www.flowstobay.org



