

Municipal Regional Permit: Provisions C.4/C.5 and Beyond

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Presentation Overview

- Municipal Regional Stormwater Permit (MRP)
- Provision C.4 Industrial/Commercial Inspections
- Provision C.5 Illicit Discharge Inspections
- Other Relevant Provisions





Municipal Regional Permit

- San Francisco Bay Municipal Regional Stormwater Permit (MRP)
- Covers 79 cities, counties, and districts in Bay Area





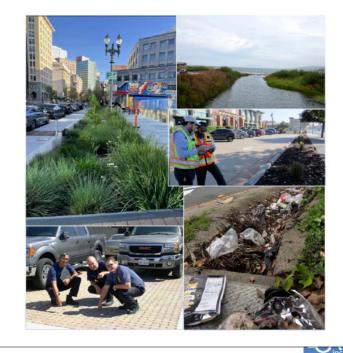


Municipal Regional Permit

- First adopted Oct 2009
- Renewed every 5 years
- MRP 2.0 Effective Jan 2016
- MRP 3.0 Effective July 2022

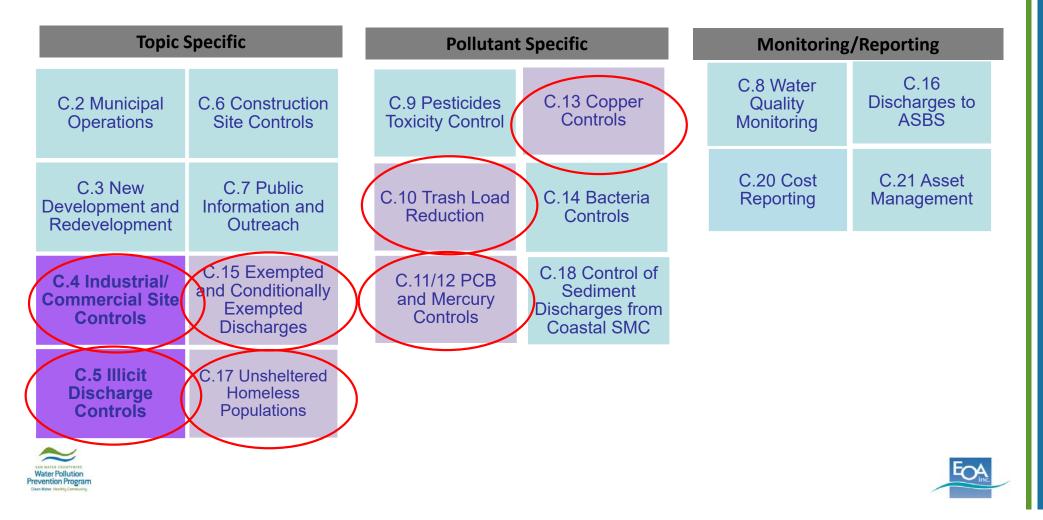
California Regional Water Quality Control Board San Francisco Bay Region Municipal Regional Stormwater NPDES Permit

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





San Mateo County Applicable MRP Provisions



Commercial/Industrial Site Control Program (Provision C.4)

- Prevent discharges of pollutants and impacts on receiving waters
- Regulate by Best Management Practices (BMPs)

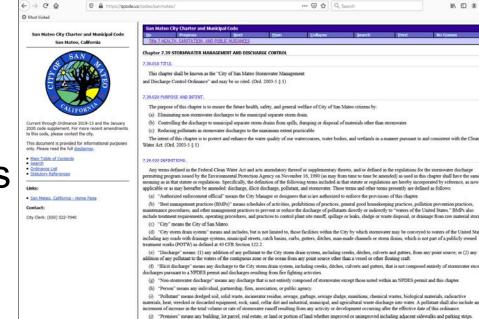






Commercial/Industrial Site Control Program

- Legal authority = Municipal Code
 - Inspect
 - Require BMPs
 - Issue enforcement actions







ater except those noted within an NPDES per

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Commercial/Industrial Site Control Program

Business Inspection Plan (BIP)

Types of Businesses for inspection, Priorities, Inspection Frequency, List of Businesses Inspections (Record Keeping)

Enforcement Response Plan (ERP)

Protocols for enforcement actions, follow-up inspections, corrective action timelines





Commercial/Industrial Site Control Program

- Corrective Actions
 - Active discharge cease immediately
 - Corrective actions w/in 10 business days or before next rain event
 - -Longer if document rationale and time frame
 - Verify corrective actions





Illicit Discharge Detection and Elimination Program (Provision C.5)

- Control illicit discharges not otherwise addressed under C.4/C.6/C.17
- Implement Program
 - Legal authority
 - Centralized complaint collection –For Public and Staff



flowstoba

- Follow-up to detect and eliminate illicit discharges
- Maintain compliant tracking system



IDDE Program

Central Contact Point

Collect information on the reported discharge. Use flow charts/phone trees to contact appropriate staff and other agencies, as needed. Investigation to start within 3 business days (Record Keeping)

Enforcement Response Plan (ERP)

Protocols for enforcement actions, follow-up inspections, corrective action timelines





- Minimum BMPs for various mobile businesses
 - Automobile washing
 - Vehicle Fueling
 - Power washing
 - Steam cleaning
 - Carpet cleaning
 - Graffiti removal
 - Pet grooming







Legal Authority

- Hold mobile businesses, businesses, property managers, property owners, and entities that hire mobile businesses responsible
- Update Inventory Annually
 - Countywide inventory CII Members Only webpage
 - Provide mobile business information to EOA





- Enforcement Strategy
 - Share Enforcement Actions Countywide CII Members Only webpage
 - SMCWPPP Letter sent to businesses with multiple enforcement actions in different jurisdictions
- Outreach Strategy
 - SMCWPPP Fact Sheets
 - Coordinate outreach messages with PIP Subcommittee





- Inspect Mobile Businesses
 - Commercial properties
 - Activities during C.4 facility inspections
 - IDDE Complaints





Other MRP Provisions





Provision C.12 PCBs Controls

- Old Industrial Areas with Moderate PCBs Concentrations
 - New Inspection Program!





Provision C.13 Copper Source Control

- Manage discharges from Pools/Spas/Fountains
 - Legal authority to prohibit discharge of water containing copperbased chemicals
 - Annually report on enforcement IDDE Program
- Industrial Sources
 - Include industrial facilities likely to have sources of copper in inspection programs
 - During industrial inspections ensure proper BMPs
 - Educate industrial inspectors on facilities and proper BMPs
 - Annually report on industrial inspection component C.4 Program



Provision C.10 Trash Load Reduction

- Private Land Drainage Areas (PLDAs) addressed by July 2025
 - New Trash Inspection Program!
 - SMCWPPP Training Workshop held January 30, 2024
 - PLDA Inspection = On Land Visual Trash Assessment (OVTA) + Trash Management BMPs Observations





Provision C.10 Trash Load Reduction

Trash Generation (Loading)

Trash Level	Map Display	OVTA Score	Range of Trash Volume Entering Inlet (gal / acre / year)
Low	Green	А	< 5*
Medium	Yellow	В	5 - 10
High	Red	С	10 - 50
Very High	Purple	D	> 50

*Equivalent to Full Trash Capture





Provision C.10 Trash Load Reduction

City/County

Logo Here

TRASH CONTROL REOUIREMENTS

PRIVATE LAND DRAINAGE AREAS (PLDAS) Information for Property Owners and Managers

Trash¹, A Pollutant of Concern for Stormwater

Stormwater from your property enters a storm drain inlet and flows directly to local creeks and San Francisco Bay, without treatment. Stormwater is often contaminated by pollutants (e.g., trash) that are deposited on land and can be toxic to fish, wildlife, and people. Trash is a pollutant that has seriously impacted local creeks, rivers, and the San Francisco Bay. Data suggests that plastic trash persists for hundreds of years in the environment and can pose a threat to wildlife through ingestion, entrapment, as well as harboring chemicals harmful to the aquatic environment.

Bay Area public agencies are responsible for controlling stormwater pollution by complying with the <u>Municipal Regional Stormwater Permit (MRP)</u> and achieving trash reduction goals set by the San Francisco Bay Regional Water Quality Control Board. Cities and counties are expending significant resources to reduce the levels of trash in stormwater runoff from public areas (e.g., streets). Cities and counties are also required to ensure that trash on Private Land Drainage Areas (PLDAs) is controlled. Therefore, cities and counties are conducting inspections of PLDAs suspected to generate moderate, high, or very high levels of trash.



Your city or county is implementing a Trash Inspection Program (TIP) to determine if PLDAs are generating problematic levels of trash. For those properties that are, your city/county staff will work with property owners or managers to implement actions to reduce trash generation to a low level.

The TIP entails an inspector visiting a PLDA and: 1) verifying that one or more storm drain inlets are located on-site, 2) conducting an On-land Visual Trash Assessment (OVTA), 3)

> documenting potential sources



High Trash Generating PLDA lacking trash management RMPs

inspections. LEARN MORE ABOUT THESE TWO METHODS OF COMPLIANCE ON THE NEXT PAGE!

Trash as defined in California Government Code Section 68055.1(g) and means all improperly discarded waste material, including, but not limited to, convenience food, beverage, and other product packages or containers thrown or deposited on lands and in waters of the State of California ² See <u>MRP 3.0</u> (pages C.10.a.ii – pg. 140)

TWO METHODS OF COMPLIANCE

A. CERTIFIED FULL TRASH CAPTURE DEVICE

A Full Trash Capture (FTC) device is a stormwater treatment device that is installed in the stormwater drainage system to intercept trash and other debris. FTC devices must be sized to intercept trash during storms of specific sizes and must be certified by the State Water Resources Control Board (State Water Board). There are many different types of FTC devices certified to date, including those that require construction and can intercept trash from hundreds of acres (e.g., hydrodynamic separators) and smaller devices (i.e., catch basin inserts) that are likely more applicable to PLDAs and can be installed into storm drain inlets relatively easily.

There are two general designs of Catch Basin Inserts: inlet baskets or screens that are installed just below the inlet grate, or outlet screens that are placed inside the catch basin in front of the outlet pipe. These FTC devices must be installed correctly by a vendor and consistently maintained to ensure their effectiveness in intercepting trash. A full list of certified FTC devices is available on the California Stormwater Quality Association's website.3



(Image courtesy of EOA, Inc.)



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Low Trash Generating PLDA

(Image courtesy of REM, Inc.)

LOW TRASH GENERATION (Not Littered)

Low trash generation

property AND having BMPs in place to

minimize the risk of

trash entering on-site storm drain inlets or

from being blown

offsite

is effectively no trash/litter on the

B. BEST MANAGEMENT PRACTICES (BMPs) TO ACHIEVE "LOW TRASH GENERATION"

An alternative to installing and maintaining a certified FTC device is to implement BMPs that consistently keep trash at a low trash generation level (see description below). Examples of BMPs that can help a property owner or manager reach a consistently low trash generation level are listed below. City or County inspectors will confirm the achievement of low trash generation through visual inspections of the property.

Source Control BMPs

Source controls prevent potential pollutant sources from contacting rainfall and stormwater.

- ✓ Keep waste bin lids closed keep surrounding areas clean
- Ensure adequately sized trash bins and pickup frequency
- ✓ Cover outdoor materials handling & storage areas
- ✓ Use "No Dumping, Flows to Bay" labels on storm
- drain inlets Have trash bins and cigarette receptacles in areas for the public or where employees congregate

Good Housekeeping BMPs

- ✓ Keep parking areas, material storage, and staging areas clean and orderly
- Do not allow bins to overflow and do not stack materials outside of bins
- Post "No Littering" signs and enforce anti-littering laws 1
- ✓ Train staff to regularly inspect parking lots and paved surfaces on your property for litter collect any litter and dispose in trash bins

Surface Cleaning & Sweeping BMPs

- Sweep outdoor areas and dumpster areas regularly
- Schedule mechanical sweeping of outside equipment staging areas, materials storage areas, and parking areas at a frequency that keeps the area consistently free of trash
- Manually sweep areas where mechanical sweeping cannot be effectively implemented
- This fact sheet was developed by the San Mateo Countywide Water Pollution Prevention Program (SMCWPPP). For more information, visit www.flowstobays.org.

https://www.casqa.org/resources/water-quality-priorities/trash/certified-trash-full-capture-systems-available-to-the-public





What is a PLDA? A Private Land Drainage Area (PLDA) is a property with one or more storm drain inlets on-site that connect to a city or county-owned stormwater drainage system.

Storm drain inlet on private propert

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of trash, and 4) identifying controls that the property owner/manager will need to implement to improve trash levels on the PLDA. Property

owners and managers can use one of two methods to demonstrate that their property has achieved the low trash generation goal: A. Install certified Full Trash Capture Device(s); OR

B. Keep the property consistently clean to a Low Trash

Generation Level, as observed during municipal

Provision C.17 Discharges Associated with Unsheltered Homeless Populations

- Regional BMP Report submitted Sept 2023
- Sept 2023 & Sept 2025 Annual Reports
 - Map locations of unsheltered homeless, MS4s and creeks/Bay
 - Report BMPs implemented and effectiveness evaluation

-SOPs for responding to illicit discharges of human waste from RVs and/or unsheltered homeless





Provision C.15 Exempt and Conditionally Exempt Discharges

- Prohibit Non-stormwater Discharges
 - Discharge Prohibitions A.1
- Exempted Discharges
 - Provision C.15.a
- Conditionally Exempt Discharges
 - Provision C.15.b





Provision C.15.a Exempt Discharges

- Flows from riparian habitats, wetlands, natural springs, diverted stream flows or rising ground waters
- Uncontaminated and unpolluted groundwater (GW) infiltration
- Single family homes' pumped GW, foundation drains, and water from crawl space pumps and footing drains
- Pumped GW from drinking water aquifers
- NPDES permitted discharges individual or general permits

Provision C.15.a Exempt Discharges

- Statewide Permits adopted by State Water Board
 - Drinking Water Systems Discharges
 - Discharges from Utility Vaults and Underground Structures
 - Industrial Stormwater General Permit (IGP)
 - Construction Stormwater General Permit
 - Small MS4 (Phase II) General Permit





Provision C.15.a Exempt Discharges

- Statewide General Permits
 - Apply for coverage by submitting Notice of Intent (NOI)
 - Compliance by Regional Water Board or State Water Board
- Municipal Inspectors
 - If BMPs not in place and/or discharging pollutants can issue enforcement (local ordinance) and/or refer to RWB





Provision C.15.b Conditionally Exempt Discharges

- Shown as not a source of pollutants or BMPs implemented
 - Pumped GW from non-drinking water aquifers
 - Pumped GW, foundation drains, and water from crawl space pumps and footing drains
 - Air conditioning condensate
 - Individual residential car washing
 - Swimming pool, hot tub, spa, and fountain discharges
 - Irrigation water, landscape irrigation and lawn or garden watering
 - Emergency Discharges of Firefighting Water and Foam





Provision C.15.b Conditionally Exempt Discharges

- Emergency Discharges of Firefighting Water and Foam
 - Regional Work Group
 - Regional Firefighting Discharge Report due Sept 30, 2025
 —Review adequacy of BMPs/SOPs and recommend changes
 - Outreach Materials on containment and cleanup
 - Evaluate Large Industrial Sites New Inspection Program! Stay tuned for more guidance





Provision C.15.b Conditionally Exempt Discharges

- Evaluate Large Industrial Sites
 - Adequacy of BMPs/SOPs for prevention, containment and cleanup of emergency firefighting discharges into storm drains and receiving waters
 - Cause improvements to BMPs/SOPs as appropriate
 - Identify Large Industrial Sites such as IGP sites, gas plants, gas concentration facilities and chemical plants
 - Annually report on implementation





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