

SMCWPPP Commercial/Industrial/Illicit Discharge (CII Subcommittee) Inspector Training

Commercial/Industrial Stormwater Inspection Basics: Resources (Module 3)

August 2020



Outline

- **Regulatory Overview (Module 1)**
- **Inspection Process (Module 2)**
- **Resources**
 - SMCWPPP
 - BASMAA
 - CASQA

SMCWPPP Outreach Material

- **FlowsToBay.Org**

- **General Business BMPs** (English, Spanish, Chinese)

“Tips for a Cleaner Ocean and Bay: How Your Business Can Prevent Stormwater Pollution”

- **Restaurant Fact Sheet** (English, Spanish, Chinese)

- **Restaurant Poster** (English, Spanish)

- **Vehicle Service Fact Sheet** (English, Spanish, Chinese)

- **Vehicle Service Poster** (English, Spanish)

- **Mobile Business Fact Sheet** (English, Spanish, Chinese)

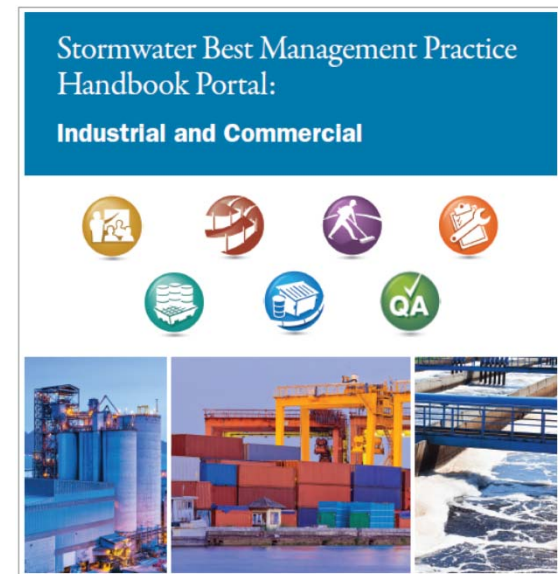
SMCWPPP Resources

- **FlowsToBay.Org – Public access**
 - Data & Resources → Presentations & Workshops
- **FlowsToBay.Org – CII members-only webpage**
 - <https://www.flowstobay.org/privatecii>
 - How to Conduct Stormwater Inspections guidance (April 2015)
 - SW Inspector Guidance on Meeting Training Requirements Memo (June 2019)
 - BASMAA Pollutants of Concern Presentation

CASQA Resources

■ CASQA Industrial and Commercial BMP Handbook

- SMCWPPP group subscription
- Source Control BMP Fact Sheets
- Business Category BMP Fact Sheets
 - Auto Service
 - Food Service
 - Landscape Maintenance
 - Marinas, Boat/Shipyards, Ports
 - Mobile Cleaning



Outdoor Liquid Container Storage SC-31

Description

Accidental releases of materials from above ground liquid storage tanks, drums, and dumpsters present the potential for contaminating stormwater with many different pollutants. Tanks may store many potential stormwater runoff pollutants, such as gasoline, aviation gas, diesel fuel, kerosene, oils, greases, lubricants and other distilled, blended and refined products derived from crude petroleum. Materials spilled, leaked, or lost from storage tanks may accumulate in soils or on other surfaces and be carried away by rainfall runoff. These source controls apply to containers located outside of a building used to temporarily store liquid materials and include installing safeguards against accidental releases, installing secondary containment, conducting regular inspections, and training employees in standard operating procedures and spill cleanup techniques.

Approach

General Pollution Prevention Protocols

- ☐ Educate employees about pollution prevention measures and goals.
- ☐ Keep an accurate, up-to-date inventory of the materials delivered and stored on-site.
- ☐ Try to keep chemicals in their original containers, and keep them well labeled.
- ☐ Develop an operations plan that describes procedures for loading and/or unloading. Refer to SC-30 Outdoor Loading/Unloading of Materials for more detailed BMP information pertaining to loading and unloading of liquids.
- ☐ Protect materials from rainfall, run-on, runoff, and wind dispersal:
 - ✓ Cover the storage area with a roof.

Objectives

- Cover
- Contain
- Educate
- Reduce/Minimize

Targeted Constituents

Sediment	
Nutrients	✓
Trash	
Metals	✓
Bacteria	
Oil and Grease	✓
Organics	✓

Minimum BMPs Covered

	Good Housekeeping	
	Preventative Maintenance	✓
	Spill and Leak Prevention and Response	✓
	Material Handling & Waste Management	✓
	Erosion and Sediment Controls	
	Employee Training Program	✓
	Quality Assurance Record Keeping	✓



BG-21 Automotive Service – Maintenance



Photo Credit: Geoff Brosseau

Description

This category includes facilities that conduct general maintenance and repair on vehicles including:

- General repair shops
- Radiator repair shops
- Car dealerships
- Car washes
- Fleet maintenance operations

Information specific to: auto dismantling, body repair, and service stations is provided in other guide sheets.

Pollutant Sources

The following are sources of pollutants:

- Changing oil and other fluids
- Cleaning engines and parts
- Flushing radiators
- Washing cars and other vehicles

Pollutants can include:

- Heavy metals (copper, lead, nickel, and zinc)
- Hydrocarbons (oil and grease, PAHs)
- Toxic chemicals (solvents, chlorinated compounds, glycols)
- Acids and alkalis



IGP Resources

- **Statewide Industrial General Permit**

https://www.waterboards.ca.gov/water_issues/programs/stormwater/toolbox.shtml

- To Do List (complying with the IGP)
- No-Exposure Certification (NEC) Brochure
- Video Presentations

Contact Information

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