

Existing Development Program

Module B-9.III


Audience: Automobile Related Business Owners/Managers
Time: +/- 30 minutes

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Automotive Businesses - Mechanical Repair, Maintenance, Fueling and Cleaning

Name
Affiliation
Location
Date

PROJECT Evolution PREVENTION



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Training Outline

- Introduction – water quality issues
- Municipal Permits
- Existing Development Program - Commercial
- BMP Fact Sheets
- Inspections and Enforcement
- Conclusions
- Resources

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Introduction

PROJECT Evolution PREVENTION



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Water Resources are Crucial to Orange County



Water provides recreation for Orange County residents.

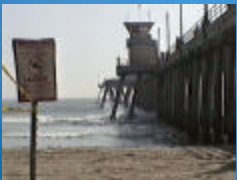


It is home to many types of wildlife.

It attracts tourists, boosting the local economy.

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Potential Impacts



- Urban runoff and stormwater pollution can impact the ocean, beaches and creeks, harming wildlife and impairing peoples' ability to enjoy the water.

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Sources of Pollution

- Homes
- Businesses
- Construction sites
- Municipal facilities



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Path of Pollutants

- Potential pollutants may run off driveways, gutters and streets into stormdrains.
- The stormdrains lead to creeks and rivers, where pollutants can flow untreated into the ocean.



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It's Everyone's Responsibility

- Urban runoff and stormwater pollution is not just a coastal issue-it starts in all regions of the community and affects water quality from the mountains to the ocean.



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It's Your Responsibility

- Everyone must help to reduce urban runoff and stormwater pollution.
- This presentation will help explain what you can do while conducting your day to day business to meet requirements under the Orange County Stormwater Program.

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Municipal Permits



PROJECT
Eradication
PRESENTATION

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Clean Water Act

- **Objective**
 - "To restore and maintain the chemical, physical and biological integrity of the Nation's waters"
 - "Fishable" "Swimmable"
- **Permitting of Discharges**
 - The CWA established the National Pollutant Discharge Elimination System (NPDES) program to regulate discharges, including urban runoff and stormwater

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Municipal Permits

Regional Board Boundaries within Orange County

The Watersheds of Orange County

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Municipal Permits

- **5 Year Permit Terms**
 - Order No. R8-2002-0010 adopted by the Santa Ana Board on January 18, 2002
 - Order No. R9-2002-0001 adopted by the San Diego Board on February 13, 2002

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Program Elements

ORANGE AREA MANAGEMENT PLAN (OAMP)

DAMP - Model Programs

1. Introduction
2. Program Management
3. Plan Development
4. Legal Authority
5. Municipal Activities
6. Public Education
7. New Development
8. Construction
9. Existing Development
10. Illegal Discharges/Illicit Connections
11. Water Quality Monitoring - SDR/ SAR
12. Watershed Chapters

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CIA/HOA Program

Programs for Existing Development

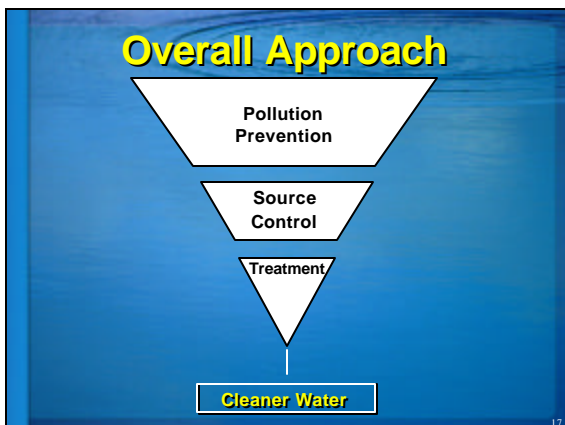
Industrial Program

Commercial Program

Residential Program

Common Interest Areas and Homeowners Association Program

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Questions

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Commercial Program Overview



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Commercial Program (Partial)

- Automobile Mechanical Repair, Maintenance, Fueling & Cleaning
- Landscaping and Installations
- Automobile Body Repair
- Mobile Carpet, Drape, & Furniture Cleaning
- Pest Control Services
- Eating Establishments




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Introduction

Training Goal


Increase your understanding of your role in reducing pollutants from your automobile related business.



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Automotive Activities That May Generate Pollutants

- Vehicle and Equipment Fueling
- Vehicle and Equipment Maintenance and Repair
- Vehicle and Equipment Washing and Steam Cleaning
- Cleaning of Maintenance Bays and Premises



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Pollutants & Activities/Sources

- Floatable Materials
- Metals
- Hydrocarbons, Oil & Grease
- Organics and Toxins



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What Can You Do To Help?



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Introduction

Best Management Practice (BMP)

Best practical and economically achievable measures to control the addition of pollutants to the waters of the United States through the application of pollution control practices, technologies, processes, siting criteria, operating methods, or other alternatives.

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BMP Fact Sheets

- Fact sheets have been developed to provide more detailed guidance on how you can help by implementing Best Management Practices (BMPs)
 - IC 18 Vehicle & Equipment Fueling
 - IC 19 Vehicle & Equipment Maintenance & Repair
 - IC 20 Vehicle & Equipment Washing & Steam Cleaning
 - IC 17 Spill Prevention and Cleanup

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Fact Sheet Information

- Pollution Prevention
- Best Management Practices
- Training
- References

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Pollution Prevention



- Properly Store and Label Materials
- Reduce Exposure
- Reduce the Use of Water
- Recycle and Reuse
- Use Safer Alternative Products



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“Rules of Thumb”

- Non-Stormwater Discharges
 - Is water used in relation to the activity?
 - Is the waste contained and disposed of properly?
 - Does it have the potential to run offsite?
- Stormwater Discharges
 - Does rainwater have the potential to come into contact with the activity and carry pollutants offsite?

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Facility Cleaning

Dry clean facility area do not use water



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Facility Housekeeping

Keep materials covered and stored properly



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IC 18 - Vehicle and Equipment Fueling

- Maintain Dispensing Areas
 - Dry clean leaks and spills
- Use Safeguards
 - Overflow protection devices
 - Label valves
 - Place spill kits at key locations
- Conduct Regular Inspections
 - Check your equipment regularly
 - Look for spills and leaks



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IC 18 – Vehicle and Equipment Fueling

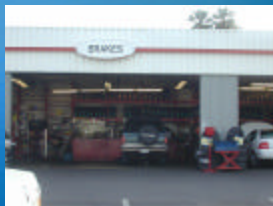
- Properly Design Vehicle and Equipment Fueling Area
 - Cover the fueling area
 - Pave the fueling area
 - Prevent run-on and run-off

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IC 19 – Vehicle and Equipment Maintenance and Repair

- Work in Designated Areas
- Use Drip Pans and/or Other Containers
- Inspect for Leaks
- Dry Clean



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IC 19 – Vehicle and Equipment Maintenance and Repair

- Remove fluids from stored vehicles
- Clean storm drain inlets regularly
- Clearly mark storm drains



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IC 20 – Vehicle and Equipment Washing and Steam Cleaning

- Use Capable Businesses
- Designate and Clearly Mark Wash Area
 - Use only for washing – no maintenance work
 - Design to collect wash water
- Keep the facility clean
 - Provide trash containers
 - Spot clean leaks and drips



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IC 17 – Spill Prevention and Clean Up

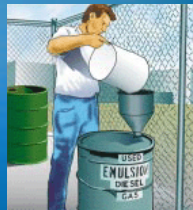
- Develop procedures
- Spill Prevention
- Spill Control and Clean Up Activities
- Reporting
- Train employees



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Waste Disposal

- Dispose of Waste Properly
 - Not in sinks/toilets/floor and storm drains/garbage
 - Put waste in the proper place
 - Separate wastes before disposal



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Training

- Train Employees
- Provide tools and knowledge
- Educate about spill prevention and clean up
- Initial training and refresher training
- Work with cities on training opportunities



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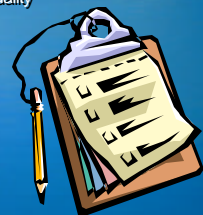
Inspections & Enforcement



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Inspection

- Inspections Will Commence
- Cooperation Is KEY
 - Work together to improve water quality
- Inspection Checklist
- Compliance Inspections
 - Evaluating compliance
- Follow-up Inspections
 - Reevaluating non-compliance



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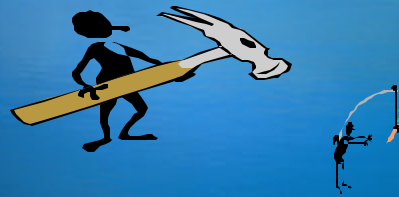
Education First

- Educate Customers and Remind Employees
 - Signage – Example posters
 - Labeling



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Enforcement.... Where Education Fails



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Enforcement

- Administrative Remedies
 - Notice of non-compliance
 - Administrative compliance order
 - Cease & desist orders
 - Citations
- Criminal Remedies
 - Infractions
 - Misdemeanors



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Questions

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Conclusion



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PRESENTATION



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Remember

- Everyone benefits from clean water, and everyone has a responsibility to protect it by reducing urban runoff and stormwater pollution.



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Conclusions

- Cooperative countywide program developed to address stormwater
- Automobile activities can **IMPACT** water quality
- Businesses must implement pollution prevention and source control BMPs to:
 - Eliminate non-stormwater discharges
 - Reduce the exposure of pollutants to stormwater
- The County/City will inspect and enforce this program

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Resources

For more information:
Visit www.ocwatersheds.com

or

Call the Orange County Stormwater Program at 714-567-6363.



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Sources of Additional Information

- Orange County Best Management Practices (BMP) Fact Sheets
- California Stormwater Quality Task Force, 2003. *Best Management Practice Handbooks – New Development/Redevelopment BMP Handbook.*
- California Stormwater Quality Task Force, 2003. *Best Management Practice Handbooks – Industrial/Commercial BMP Handbook.*
- Automotive Recyclers Association, 1996. *Stormwater Guidance Manual: Automotive Recycling Facilities.* (www.autorecyc.org/docs/bookstore/manuals.htm)
- California Stormwater Quality Task Force, 1997. *Best Management Practice Guide – Retail Gasoline Outlets*
- Bay Area Pollution Prevention Group, 1999. *Switching to Water-based Solutions for Parts Cleaning.*
- Alliance of Auto Manufacturers, 2000. *Getting Mercury Out of Cars.* (www.cleancarcampaign.org/switchremoval.shtml)

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Handouts

- Hard copy of this presentation
- Orange County Best Management Practices (BMP) Fact Sheets:
 - Vehicle and Equipment Fueling – IC18
 - Vehicle and Equipment Maintenance and Repair – IC19
 - Vehicle and Equipment Washing and Steam Cleaning – IC20
 - Spill Prevention and Cleanup – IC17
- Commercial Program Inspection Checklist
- Educational materials

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Questions

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Thank You!

Thank you for attending and learning how you can help!



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