

**Did you know that dumping one quart of motor oil down a storm drain contaminates 250,000 gallons of water?**

Storm Water Quality Management Programs have been developed by the Orange County Public Facilities & Resources Department, local cities, and other agencies which participate in the National Pollutant Discharge Elimination System (NPDES). Their responsibilities involve encouraging the public to help protect water quality, monitoring runoff in the storm drain system, managing NPDES permit process for municipalities, investigating illegal disposals and maintaining storm drains.

The support of Orange County residents, businesses and industries is needed to improve water quality and reduce the threat of Storm Water & Urban Runoff Pollution (SWURP). Proper use and disposal of materials we use everyday will help stop this form of pollution before it reaches the storm drain and the ocean.



A Cooperative Project between the County of Orange, its Cities and the Public Facilities & Resources Department

The Public Facilities & Resources Department would like to thank the Santa Clara Valley Water District and artist John Finger for the artwork and concept of this brochure. Funding by Orange County Flood Control District and Orange County Storm Water Program.



## Orange County Storm Water Program

### Participants:

Anaheim Public Works/Engineering	(714) 765-5176
Brea Engineering	(714) 990-7666
Buena Park Public Works	(714) 562-3655
Costa Mesa Public Works	(714) 754-5248
Cypress Public Works	(714) 229-6740
Dana Point Public Works	(949) 248-3562
Fountain Valley Public Works	(714) 593-4400 x347
Fullerton Engineering Dept	(714) 738-6853
Garden Grove Public Works	(714) 741-5554
Huntington Beach Public Works	(714) 536-5432
Irvine Public Works	(949) 724-6315
La Habra Public Services	(562) 905-9792
La Palma Public Works	(714) 690-3310
Laguna Beach Public Works	(949) 497-0390
Laguna Hills Engineering	(949) 707-2600
Laguna Niguel Public Works	(949) 362-4337
Laguna Woods Public Works	(949) 452-0600
Lake Forest Public Works	(949) 461-3480
Los Alamitos Community Dev	(562) 431-3538 x301
Mission Viejo Public Works	(949) 470-3095
Newport Beach Public Works	(949) 644-3311
Orange Public Works	(714) 744-5551
Placentia Engineering	(714) 993-8131
Rancho Santa Margarita	(949) 635-8000
San Clemente Engineering	(949) 361-6118
San Juan Capistrano Engineering	(949) 493-1171
Santa Ana Public Works	(714) 647-3380
Seal Beach Engineering	(562) 431-2527 x318
Stanton Public Works	(714) 379-9222 x204
Tustin Public Works Engineering	(714) 573-3150
Villa Park Engineering	(714) 998-1500
Westminster Public Works Eng.	(714) 898-3311 x229
Yorba Linda Engineering	(714) 961-7170 x174
Orange County Storm Water Program	(714) 567-6363
24 Hour Water Pollution Problem Reporting Hotline	(714) 567-6363 or .E-mail information to ashbyk@pfrd.co.orange.ca.us
American Oceans Campaign	www.americoceans.org

### Other Important Phone Numbers:

For Additional Brochures	(714) 567-6363
For Recycling Tips	<a href="http://www.oc.ca.ciwmb.ca.gov/wmprog.htm">www.oc.ca.ciwmb.ca.gov/wmprog.htm</a>
O. C. Household Hazardous Waste Information	(714) 834-6752 or <a href="http://www.oc.ca.gov/IWMD">www.oc.ca.gov/IWMD</a>
Chemical and Hazardous Materials Spill Emergencies	911
Locations that accept used motor oil, California Integrated Waste Management Board	(800) 553-2962 or <a href="http://www.CIWMB.ca.gov">www.CIWMB.ca.gov</a>

Agriculture chemicals, pesticides and possible alternatives:	
O.C. Agriculture Commissioner	(714) 447-7100
Industries regarding Hazardous Waste and Underground Storage Tank Requirements:	
O.C. Health Care Agency/ Environmental Health Division/ Hazardous Materials Management Section	(714) 667-3700

# The Ocean begins at your front door!



**Storm Water & Urban Runoff Pollution (SWURP)  
And What You Can Do To Stop It!**

**Even though you live miles from the Pacific Ocean, you may be polluting it without knowing it.**

### **Did You Know...**

Anything we use in our home, car and business like motor oil, paint, pesticides, fertilizers and cleaners can wind up in the street.

A little water from rain or a garden hose can carry automotive and house hold materials through the storm drain polluting bays, wetlands and the ocean. Storm drains are there to drain water off the street-not for disposal of hazardous materials.

**Before you pour anything into the gutter or down the drain, stop and think!**

### **Where Does It Go?**

These pollutants flow together on a journey from the storm drain to the flood control channel where it can eventually empty into the ocean. This type of pollution is called Storm Water & Urban Runoff Pollution (SWURP) and is a serious threat to the beaches and ocean of Southern California.

### **What Is Storm Water & Urban Runoff Pollution (SWURP)**

Storm water runoff refers to seasonal rainfall flows. It is very noticeable during a heavy rain storm when large volumes of water drain off paved areas. Urban runoff can happen anytime of the year when excessive water use from irrigation, car washing and other sources carries litter, lawn clippings and other urban pollutants into storm drains. Even an automobile leaking motor oil 20 miles inland can still pollute the ocean.

### **How Is It Different From Other Forms of Water Pollution?**

SWURP can include anything that washes into the storm drain from the community. Unlike water pollution linked to factories or sewage treatment plants, SWURP can come from city streets, neighborhoods, farms, construction sites and parking lots.

**Storm drains go directly into channels and creeks...**

### **Storm Water & Urban Runoff Pollution Comes From:**

- Automotive leaks and spills.
- Improper disposal of used oil and other engine fluids down the storm drain.
- Metals found in vehicle exhaust, weathered paint, rust, metal plating and tires.
- Pesticides, herbicides and fertilizers from lawns, gardens and farms.
- Improper disposal of cleaners, paint and paint removers.
- Soil erosion and dust debris from landscape and construction activities.
- Litter, lawn clippings, animal waste and other organic matter.
- Oil stains on parking lots and paved surfaces.

### **Storm Water & Urban Runoff Pollution And The Ocean**

SWURP may have a serious impact on water quality in Orange County. Pollutants from the storm drain system can harm marine life as well as coastal and wetland habitats. It can also degrade recreation areas such as beaches, harbors and bays.

**...and through wetlands and bays to the ocean.**



Because storm drains are separate from our sewer system, SWURP can flow into the ocean without treatment.