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# City of Laguna Niguel Urban Runoff Management Program and How HOAs Can Help

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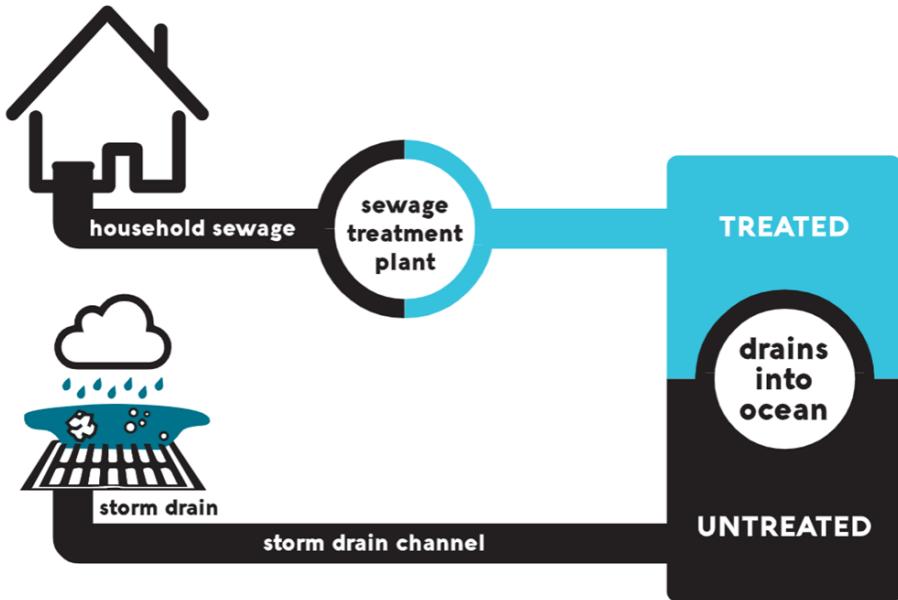
[woodplc.com](http://woodplc.com)

November 3, 2021

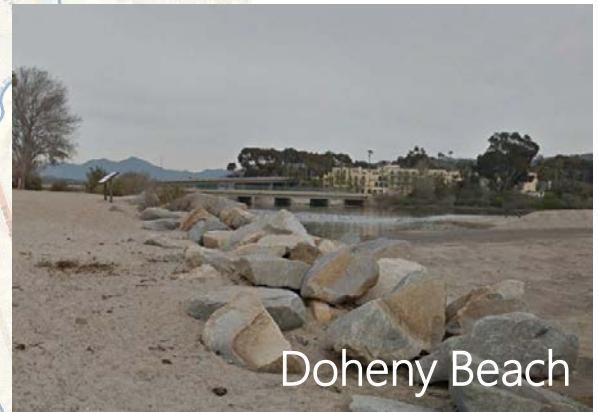
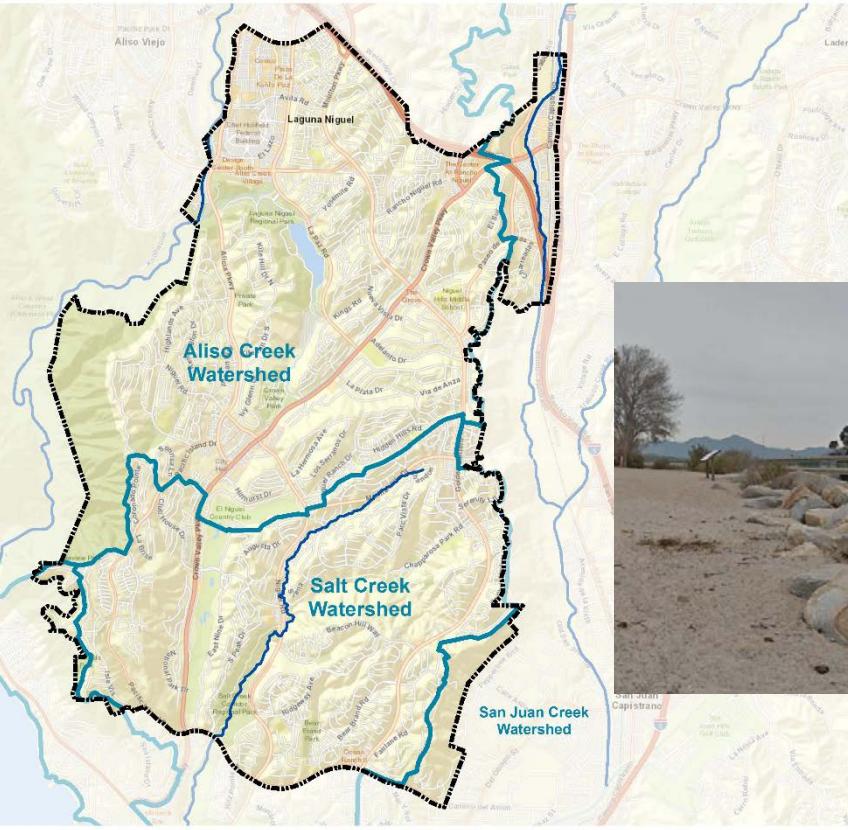
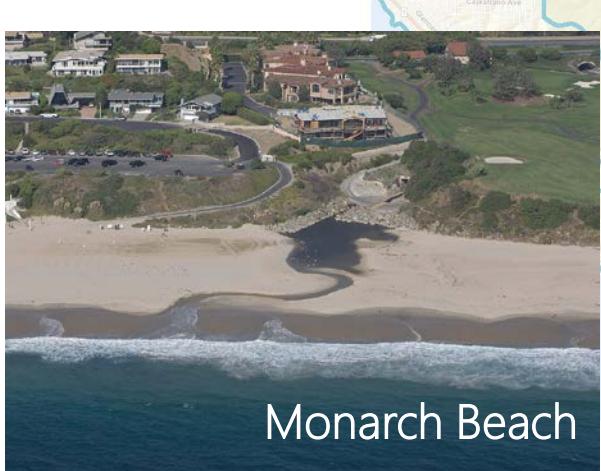
# Sewer vs Storm Drain

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- In Southern California, the storm drain system is separate from the sanitary sewer system and drains directly to local creeks and rivers and out to the ocean



# Laguna Niguel Watersheds



# Municipal Stormwater Permit

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- The City of Laguna Niguel has a State permit that defines the water quality requirements for discharging to downstream receiving waters (creeks, rivers and the ocean)
  - **Urban Runoff Management Program** (also referred to Jurisdictional Runoff Management Program)
  - **Water Quality Improvement Plan** (program implemented in collaboration with the County and other South Orange County cities)

# Construction Pollution Prevention Requirements



# Low Impact Development Requirements

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Bioretention



Native Vegetation and Maintenance



Soil Amendments



Tree Box Filters



Pervious Concrete

Permeable Surfaces

# Existing Development Requirements

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- Commercial, industrial, residential, and municipal facilities



- The City is required to regularly inspect facilities to assess measures to prevent pollution and follow up through education and, if needed, enforcement

# Existing Development – HOAs

- Self certification of implementation of stormwater pollution prevention measures (Best Management Practices) through a comprehensive form, and
- Periodic direct inspection by City staff or consultants



**ATTACHMENT A**

**SURVEY FORM FOR IMPLEMENTATION OF MINIMUM DESIGNATED  
WATER QUALITY BEST MANAGEMENT PRACTICES (BMPs) FOR  
HOMEOWNER ASSOCIATIONS (HOAs)**

This self-certification process has been developed to efficiently verify implementation of the Minimum Designated Water Quality BMPs for Homeowners Associations. Failure to respond to this survey may result in City inspection of Association property, the imposition of applicable BMP's and/or appropriate enforcement actions to gain compliance with the City of Laguna Niguel's Stormwater Local Implementation Plan (LIP) and Ordinance requirements.

Please email your completed Survey Form to: [elist@cityofflagunaniquel.or](mailto:elist@cityofflagunaniquel.or)

Association  
Name: \_\_\_\_\_

Current HOA President:

#### **GENERAL INSTRUCTIONS**

HOA or HOA representative: please check all applicable activities listed below currently conducted by the HOA and/or HOA contractors. For the activities that do not apply check the N/A check-box. By checking the box adjacent to the BMP action, the HOA acknowledges compliance with the action.

## MINIMUM DESIGNATED WATER QUALITY BEST MANAGEMENT PRACTICES (BMPS) AND POLLUTION PREVENTION METHODS

Building Maintenance;  Landscape Maintenance;  Outdoor Unloading of Materials;  &  Parking & Storage Area Maintenance;  &  Vehicle & Equipment Repair & Maintenance;  Vehicle & Equipment Washing & Steam Cleaning, and  &  Waste Handling & Disposal.

- The HOA and/or their maintenance contractors do not dispose of wash or waste water in the streets, gutters, storm drains and natural watercourses.
- The HOA and/or their maintenance contractors prevent wash/rinse water from trash dumpsters, patio, sidewalk and other landscape areas from entering parking lots, streets, curbers, storm drains and natural watercourses.



# Public Education

- Countywide Stormwater Program
  - Media campaign
  - Educational events
  - Fact sheets/brochures
- Local efforts
  - City website, newsletter, social media
  - Annual H<sub>2</sub>O for HOAs event
  - New City HOA Outreach Meetings

**Update Your Irrigation System and Landscape**

**Switch to Rotating Sprinkler Nozzles:** Consider replacing your irrigation system with a more water efficient system that reduces water waste and effectively targets only the landscape or outdoor water use. Check with your local water agency for available rebates and information on water efficient sprinklers, and other water efficient devices.

**Get Smart Controller:** Using smart irrigation controllers, both irrigation controllers have a manual clock as well as a clock that automatically adjusts the irrigation times based on weather. If it is raining, too windy, or too cool, the smart irrigation controller will automatically turn off.

**Drop don't Dump:** Drop irrigation systems prevent runoff from carrying pollutants into the storm drain by watering only the targeted plants using low volume irrigation.

**Reduce the Need:** Reuse water "Wise" plants and grass types with water efficient native or OC Green Technology plants to save water and reduce the need for irrigation. For more information, see the California's *Wise* Landscape Maintenance Guide produced by the Metropolitan Water District of Southern California. For more information on California Water Agencies see more information.

**Group Plants:** When adding to or redesigning your landscaping, plants that require similar watering needs can be planted together. Grouping plants with similar watering needs helps prevent unnecessary watering.

**Who is H<sub>2</sub>O?**

H<sub>2</sub>O is YOAH! H<sub>2</sub>O is a cooperative stormwater program which includes all 34 cities in Orange County, the County of Orange, the Orange County Water District, and the OC Parks & Recreation. Clean and healthy beaches, streams, rivers, bays, wetlands, and healthy watersheds are important to Orange County. H<sub>2</sub>O provides resources to encourage and support individuals and businesses to encourage personal action and prevent polluted runoff from entering our waterways.

**OVERWATERING IS OUT**  
**TIPS TO PREVENT IRRIGATION RUNOFF**

**Join Us**  
Visit OCWRA.org to learn more about runoff, water pollution, and how we can be the solution to runoff pollution and protect our water resources.

**Contact**

24-Hour Pollution Reporting Hotline: 867-89-SPILLS (3-877-897-7465)

24-Hour Reporting Website: [www.ocwra.org/reporting/](http://www.ocwra.org/reporting/)

For emergencies, dial 911

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\*Water Conservation tips to learn more



# Illegal Discharge Elimination

Prohibited Discharges	Allowed Discharges
Automotive fluids, paint, chemicals, etc.	Stormwater
Cleaning wash water	Air conditioning condensation
Trash, pet waste, and landscape waste (vegetation, sediment, fertilizers, herbicides, and pesticides)	Dechlorinated and clear swimming pool discharges
Mobile business wash water (automotive detailer, carpet cleaning, pressure washing, etc.)	Emergency fire-fighting activities
Irrigation runoff	Individual residential car washing

# How to Report an Illegal Discharge

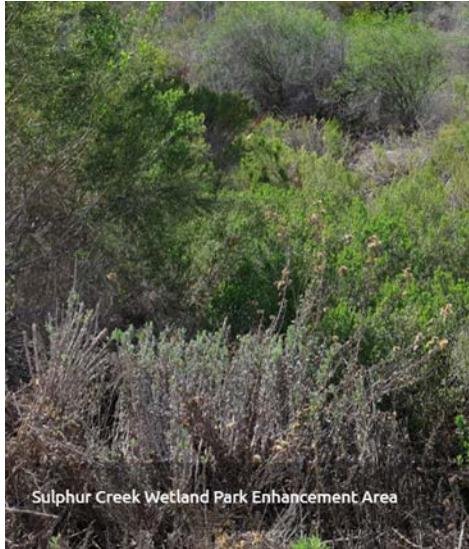
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- City of Laguna Niguel Public Works Department (949) 362-4337
- City "Report a Problem" online system  
<https://trakit.cityoflaguneniguel.org/etrakit3/CRM/issue.aspx>
- County's 24-hour pollution reporting hotline 1-877-89-SPILL
- In case of an emergency, call 911

# Structural Measures to Address Pollution

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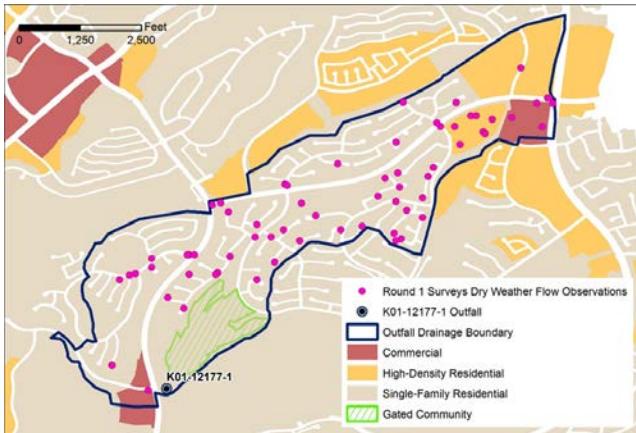
- 13 wetlands (habitat and water quality benefits)
- 451 catch basins with trash capture screens



# Monitoring Activities

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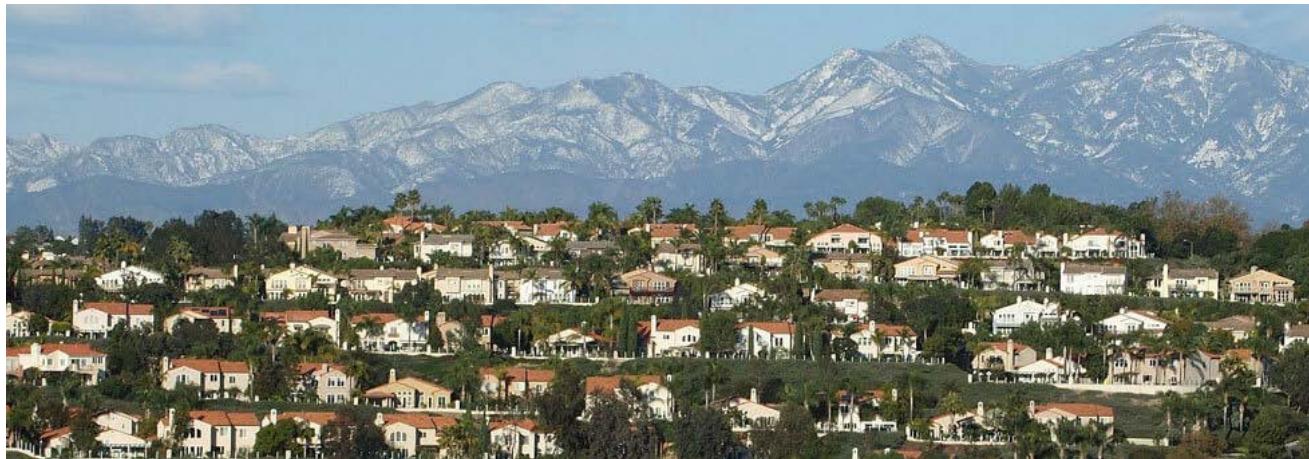
- Flow and water quality monitoring to prioritize storm drain outfalls contributing to water pollution
- Dry weather flow investigation studies to identify and eliminate illegal discharges



# How Can HOAs Help?

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- HOAs have the power to encourage change
- Enforcing rules and regulations that prevent both water pollution and are waterwise



# Irrigation Runoff

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## Solutions:

- Reduce outdoor water usage by reducing watering time
- Use a “cycle and soak” schedule
- Use a smart irrigation timer
- Adjust sprinkler heads to only water landscaping
- Replace broken heads and fix leaks
- Routinely monitor system for runoff and make changes as necessary



# Landscape Pollutants

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## Solutions:

- Utilize drought and insect resistant landscaping to reduce or eliminate the need for fertilizers and pesticides
- Consider using natural fertilizers and pesticides, when needed
- Remove weeds, which require additional irrigation
- Use mulch and compost in your landscaping to decrease water needs
- Promptly pick up pet waste



# Roadway Pollutants

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## Solutions:

- Maintain a consistent sweeping schedule
- Sweep streets at least once per month (recommended minimum)
- Don't flush or hose down streets
- Blowing of debris into streets, gutters and storm drain is prohibited



# Recommended Training and Education by HOAs

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1. Incorporate water pollution prevention requirements into maintenance contract documents
2. Train and retrain employees and contractors
  - Best Management Practices
  - Discharge prohibitions and requirements
  - Chemical management (fertilizers, herbicides, pesticides, etc.)
3. Educate Residents
  - Association newsletter
  - Association webpage
  - Email blasts, social media or other mailings

h2oc.org/resources/

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STORMWATER PROGRAM

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# RESOURCES



Low Impact Development

LEARN MORE



Pollution Prevention for Construction Sites

LEARN MORE



Pollution Prevention for Businesses

LEARN MORE

# Contacts – Urban Runoff Management Program

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