



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

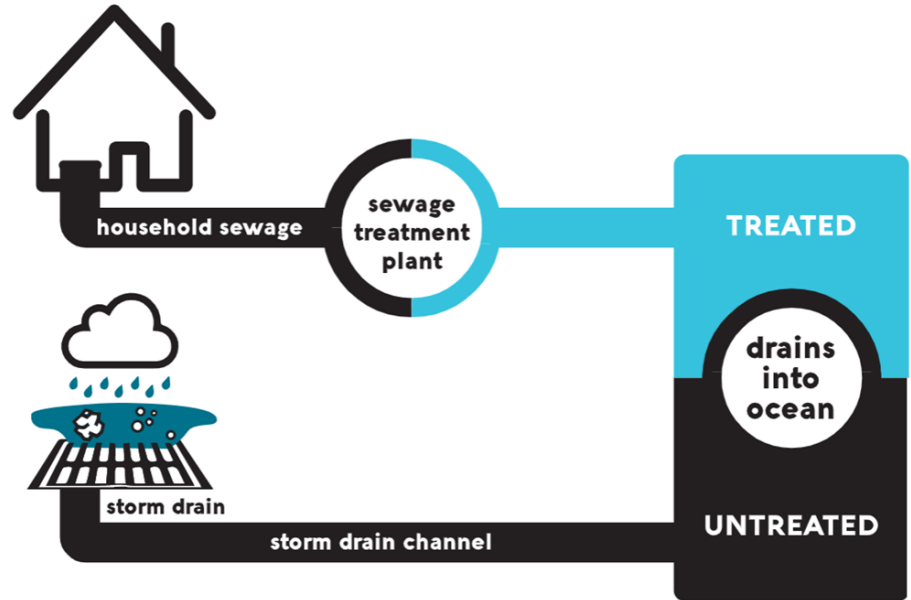
Kacen Clapper, Senior Scientist
Wood Environment & Infrastructure
Solutions, Inc.

woodplc.com

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Sewer vs Storm Drain

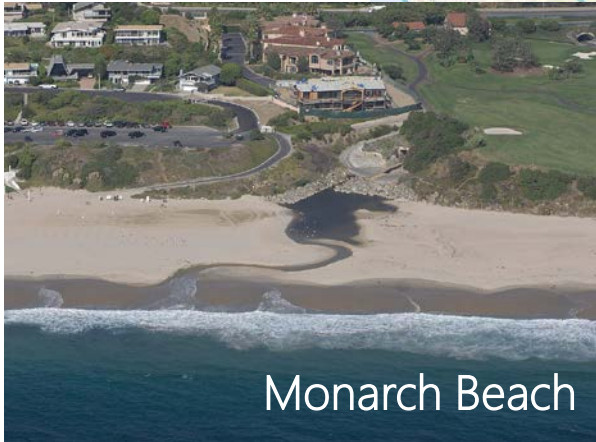
- In Southern California, the storm drain system is separate from the sanitary sewer system and drains directly to local creeks and rivers and out to the ocean



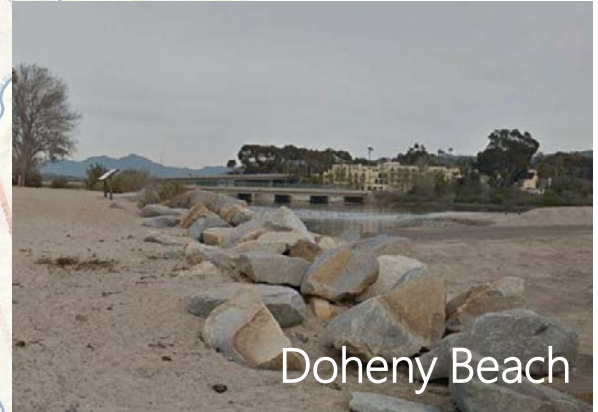
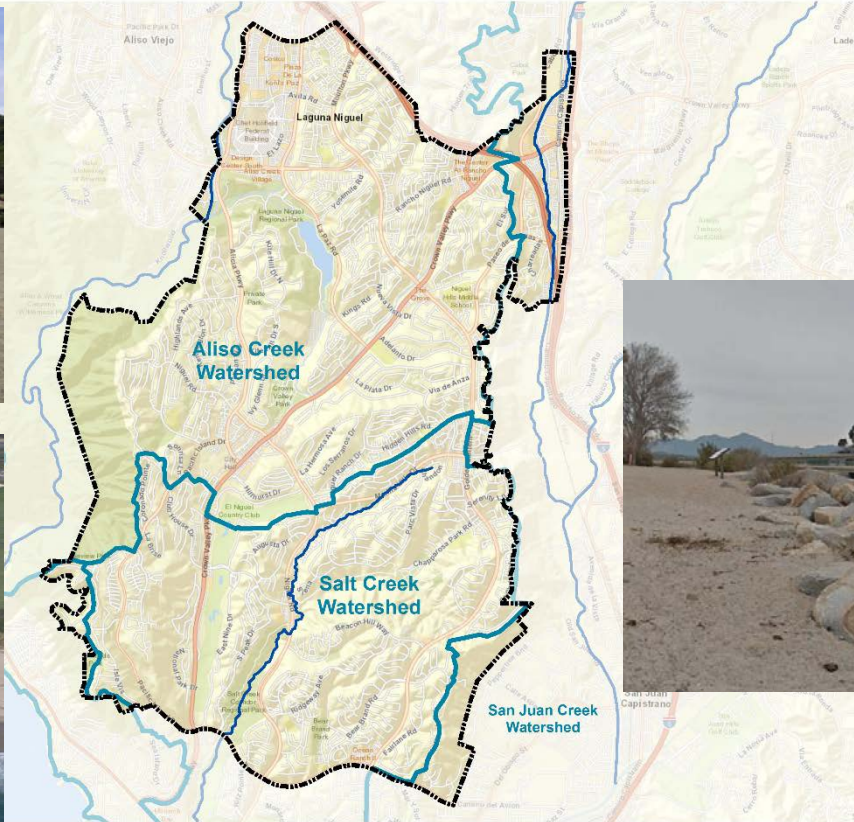
Laguna Niguel Watersheds



Aliso Beach



Monarch Beach



Doheny Beach

Municipal Stormwater Permit

- 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



Bioretention



Pervious Concrete

Permeable Surfaces



Native Vegetation and Maintenance



Soil Amendments



Tree Box Filters

Existing Development Requirements

- 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 BMPs 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@cityoflagunaniguel.org

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 hardscape areas from entering parking lots, streets, gutters, 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 H₂O for HOAs event
 - New City HOA Outreach Meetings

Update Your Irrigation System and Landscape

Switch to Rotating Sprinkler Nozzles: Consider replacing your sprinkler heads with rotating sprinkler nozzles. Rotating nozzles water more uniformly and efficiently, requiring less water for the same outdoor water use. Check with your local water agency for available rotation or rotating nozzles, irrigation controllers, and other water efficient devices.

Get Smart: Consider using smart irrigation controllers. Smart irrigation controllers have internal clocks as well as sensors that will turn off the sprinklers in response to seasonal changes. If it is raining, too windy or too cold, the smart irrigation controller will automatically shut off the sprinklers.

Drip Isn't Driest: Drip irrigation systems prevent runoff from carrying pollutants into the storm drain by watering only the targeted plants using low volumes of water.

Reduce the Need: Replace water "thirsty" plants and grasses with water efficient natives or "C" (California Native) plants to save water and reduce the need for pesticides and fertilizers. Please use the California Native Plant Society's Landscape Maintenance Guide published by the Metropolitan Water District of Southern California and associated Southern California Water Agencies for 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 H₂O?

H₂O is H₂O. H₂O is also a concept: a water stewardship program which includes all 34 cities in Orange County, the County of Orange, and Orange County Flood Control District (OCFCD). Clean and healthy beaches, creeks, rivers, bays, wetlands, and oceans are important to Orange County. H₂O provides resources to residents and businesses to encourage personal action and prevent potential harm from entering our waterways.

Join Us

Visit H2O.org to learn more about our water stewardship and how you can be the solution for runoff pollution and protect our water resources!

Contact

24-hour Pollution Reporting Hotline: 1-877-88-SPILL (1-877-88-7762)

24-hour Reporting Website: H2O.org

For emergencies, dial 911

Orange County California: Southern California Water Stewardship Program is a joint effort of the Orange County Flood Control District, the County of Orange, and the Orange County Flood Control District.

OVERWATERING
IS OUT
TIPS TO PREVENT
IRRIGATION RUNOFF



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

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

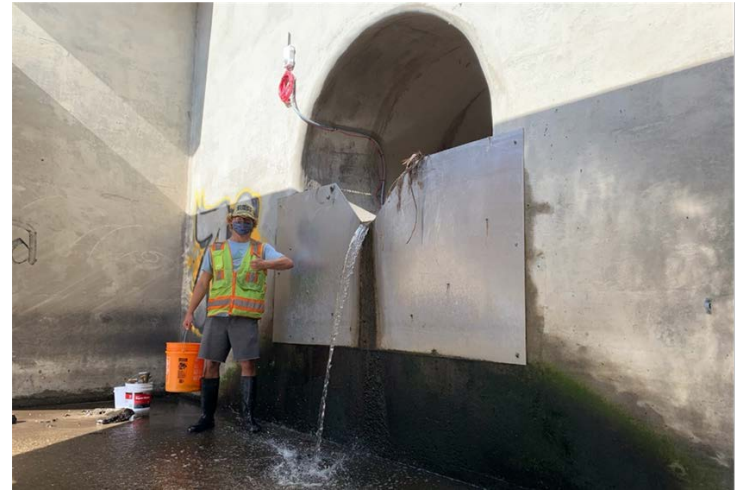
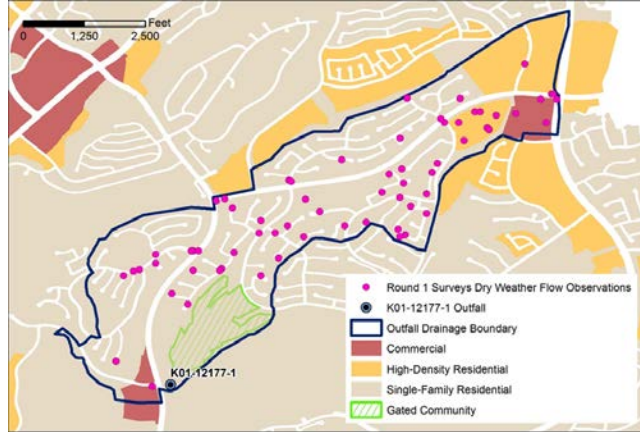
Structural Measures to Address Pollution

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



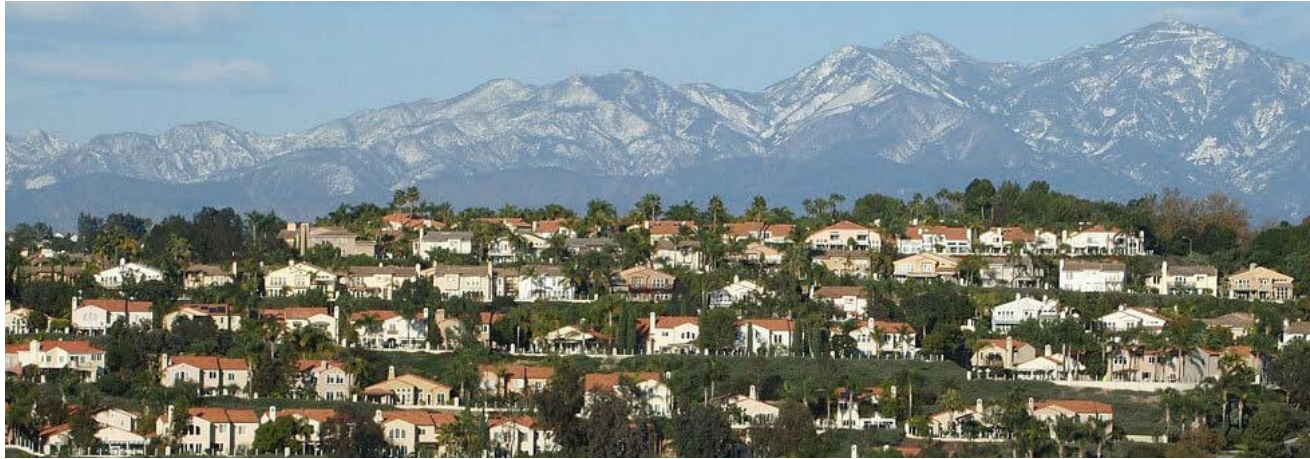
Monitoring Activities

- 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?

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



Irrigation Runoff

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

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

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

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

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Pollution Prevention for Construction Sites

LEARN MORE



Pollution Prevention for Businesses

LEARN MORE

Contacts – Urban Runoff Management Program

Laguna Niguel, Public Works

Kathy Nguyen

949-362-4384

kanguyen@cityoflagunaniguel.org

Laguna Niguel, Community Preservation

Erich List

949-362-4322

elist@cityoflagunaniguel.org

Urban Runoff Management Program Consultant

Wood E&IS

Kacen Clapper

714-624-2722

kacen.clapper@woodplc.com

