

# City of Newport Beach

## Coastal/Bay Water Quality Citizens Advisory Committee Minutes

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**Date:** November 8, 2012  
**Time:** 3:00 p.m.  
**Location:** Fire Conference Room

### 1. Welcome/Self Introductions

**Committee Members present:**

Chairwoman/Mayor Nancy Gardner  
Randy Seton  
Dennis Baker  
Mike Henn  
Tom Houston  
Roberta Jorgensen  
Janet Rappaport

**Guests present:**

Nancy and Jack Skinner, SPON  
Monica Mazur  
Larry Honeybourne, Orange County Health Care Agency  
Jim Mosher, resident

**Staff present:**

John Kappeler, Water Quality Manager  
Shari Rooks, Public Works Specialist  
Bob Stein, Assistant City Engineer

### 2. Approval of Previous Meeting's Minutes

The minutes from the October 11, 2012, meeting were approved.

### 3. Old Business

#### (a) Bay and Ocean Bacteriological Test Results

**Monica Mazur** reviewed recent water quality test results within Newport Bay and along the ocean shoreline.

- Newport Boulevard bridge hits should be greatly diminished after the completion of the new CDS Units.
- **Dennis Baker** asked **John Kappler** if he planned to work closely with the newly hired Costa Mesa Code Enforcement officers. In addition to the new CDS units, John noted that Costa Mesa is also placing trash screens over every catch basin that drains to Newport Boulevard.
- **Jim Mosher** asked about the August 15<sup>th</sup> sewage spill off Balboa Island and why the data didn't seem to be on the sheets. **John Kappeler** said it was because sewage spills are tracked on another spreadsheet. The sheets reviewed at each meeting reflect routine sampling.
- **Jim Mosher** asked if there was a map showing the location of the beaches where samples are taken and **Larry Honeybourne** said that the Newport Beach map showing locations is available on the web at: [www.ocbeachinfo.com](http://www.ocbeachinfo.com).

### 4. New Business

- (a) **Larry Honeybourne**, gave a presentation on the **2011 Annual Water Quality Report**. (See attached PowerPoint Presentation.)

A purple stamp with the word "DRAFT" in a bold, sans-serif font, tilted slightly upwards to the right. To the left of the text is a small icon of a document with a checkmark.

- City of Newport Beach Sewage Spills and Beach Closure Causes: 87% due to line blockages, 6% due to line breaks and the remaining 7% are due to other causes. Of the 87% of line blockages, 59% are due to roots, 16% are due to grease, 5% are due to paper, 8% are due to debris and the remaining 12% are unknown/other.
- Santa Ana Regional Water Quality Control Board (SARWQCB) imposed waste discharge requirements on all cities that collected sewage in Region 8 (Santa Ana Region) in 1999 and subsequently the State Water Resources Control Board (SWRCB) took a look at what was happening in Orange County and decided the discharge requirements should be adopted statewide for every single wastewater collection agency in California in 2001.
- National Resource Defense Council does a report called "Testing the Waters" and they have criteria for giving beaches a 5-star rating. Only 12 of the 200 beaches in the nation received a 5-star rating. Three of the beaches were in Orange County and one of the three was in Newport (the beach stretch from 53<sup>rd</sup> to 38<sup>th</sup> Streets).
- **Dennis Baker** asked what the fines were for a private spill and Larry told him it depends on the cause determined by the Regional Board, (negligence, repeat offence, improper maintenance, etc.,) but the water code says up to \$25K per day and \$10 for each gallon.

**(b) Bob Stein**, gave an update on the **Newport Bay Total Maximum Daily Loads (TMDLs)** within Newport Bay.

- It appears that the requirements of the nutrients TMDL are being met. The Regional Board may look to tighten up future requirements.
- A final study that included key recommendations for modifying FIB TMDL has been under review by the County Office for the past 2 years. Update from the 11/21/12 Watershed Executive Watershed Committee meeting. The County has promised to complete its review and circulate the suggested revisions to stakeholders with the goal of presenting the final report to the Executive Committee in February 2013.
- Organochlorine pesticides – No work is currently being performed to address OC pesticide. There is a concern that future monitoring the Harbor could find OC pesticides in fish or bird tissue. This could trigger an order by the Regional Board to dredge the harbor. Bob felt the City needs to alert our upstream partners of threat so that they could take appropriate steps to control remaining sources.
- Selenium – Board likes the City's Big Canyon Plan – we expect a letter from them affirming that.
- Big Canyon Creek Golf Course wants to dredge the lake nearest the clubhouse (Lake 4) for aesthetic reasons. This would remove selenium embedded in the sediments. However, the stream flowing into the lake still has high concentration of selenium which would re-contaminate the lake sediments. A study done in 2010 showed that the southernmost stream was high flow, high selenium but the middle stream was high flow, low selenium. We're looking at a 319H Grant in the spring for funds to try and reroute that dirty stream.
- Looks like the Regional Board is moving forward with promulgating a Copper TMDL for Newport Bay – could be soon.
- Sediment – This is the most important TMDL for Newport Beach. The working group of watershed stakeholders has not been able to move forward with a new agreement to address the remaining sediment sources of concern. The Executive Watershed Committee, at Mayor Gardner's suggestion, will take up the topic at its February meeting.

**ACTION:** Bob Stein will draft a letter of concern to upstream partners regarding sediment and have his manager review it before it goes to City Manager and Council.

**ACTION:** Nancy Gardner will bring up the topic at the Executive Watershed Committee.

## 5. Public Comments on Non-Agenda Items

- **Randy Seton** asked about a letter he circulated about Little Corona – **John Kappeler** said it had to do with grant moneies for two CDS Units that will capture trash coming from Corona del Mar Village and one CDS Unit that we've been awarded and is going in upstream of Pelican Point. Concept design for all street intersections in Cameo Shores to put in pervious pavers to prevent nuisance water from draining directly into the ASBS. (Infiltration galleries).
- **Jack Skinner** asked Bob if he had heard anything about the City of Santa Ana's desire to pay for the diversion of the Delhi Channel to the Sanitation District. Bob said we've made the first cut for the M2 Grant and we proposed to IRWD and they said they would also contribute to the project along with Costa Mesa.
- **Tom Houston** asked if we could get an update from MiOcean at a future meeting.

## 6. Topics for Future Agendas

- (a) Bacteriological Dry-Weather Runoff Gutter Study (Phase III)
- (b) Prop 84 ASBS Grant Program
- (c) Big Canyon Project
- (d) Rhine Channel Project Wrap Up
- (e) Runoff Reduction Program – ET Controller Project Update
- (f) Senate Bill – SB 1447
- (g) IRWD report on NTS Systems

### Set Next Meeting Date

The next meeting date was set for December 13, at 3 PM in the Fire Conference Room.

## 7. Adjournment

The meeting was adjourned at 4:45 pm.

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Chairwoman / Nancy Gardner


## Newport Beach Coastal/Bay Water Quality Citizens Advisory Committee 2012 Update



Health Care Agency  
Public Health Services  
Environmental Health  
Larry Honeybourne



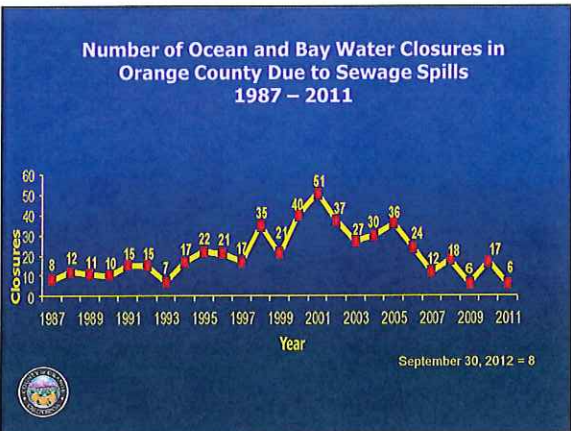
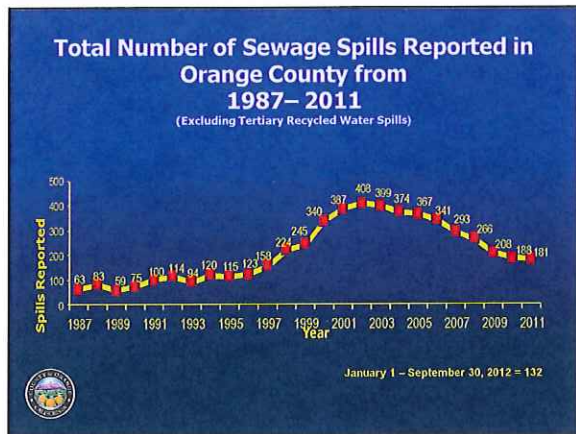
## Sewage Spills and Beach Closures

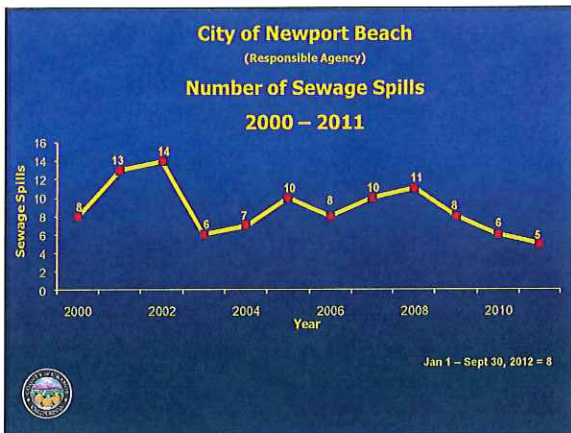
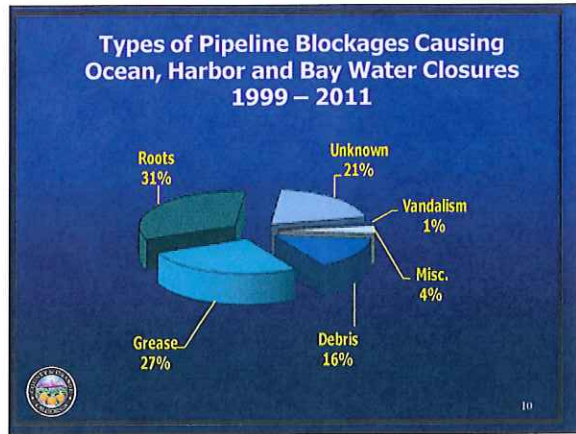
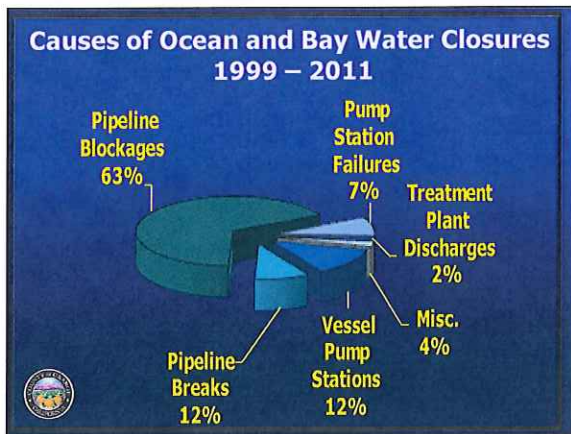
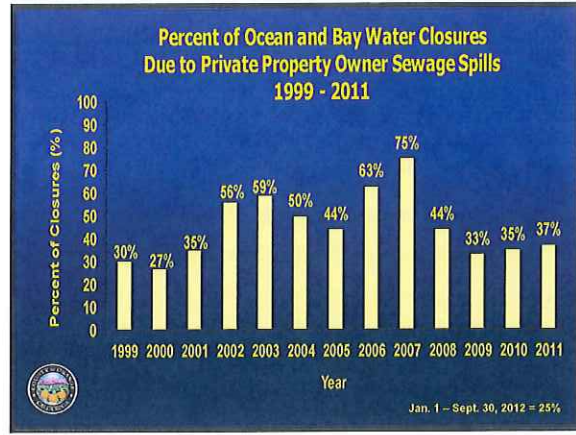
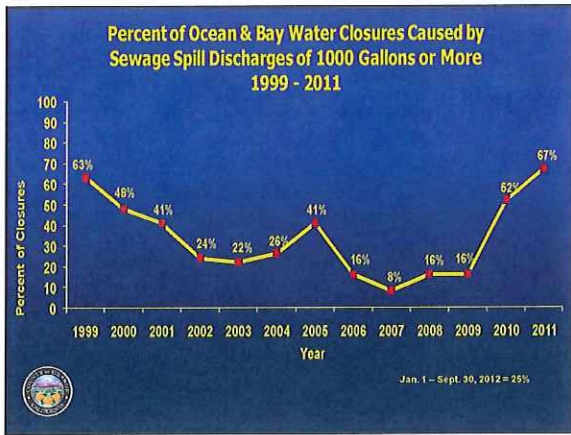



### California Health & Safety Code Requirement for Reporting of Sewage Spills



**Sanitation agencies, cities, businesses or individuals must immediately report all sewage spills to the local Environmental Health Division.**



### Sewage Spill Data

(January 1, 2000 - September, 30 2012)

Total Number of Sewage Spills in Orange County = 3,905

Total Number of Sewage Spills in Newport Beach = 246 (6.3%)

City of Newport Beach - Responsible Party = 113 (2.9%)


**City of Newport Beach Sewage Spill Causes:**  
(January 1, 2000 - September, 30 2012)

- 87% = Line Blockages
- 6% = Line Breaks
- 7% = Other

## City of Newport Beach



**Types of Line Blockages  
Causing Sewage Spills:**  
(Jan. 1, 2000 – Sept. 30, 2012)

- Roots = 59%
- Grease = 16%
- Paper = 5%
- Debris = 8%
- Unknown/Other = 12%




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## AB 411 Ocean & Bay Monitoring Program

## AB 411 Components

- AB 411 regulations started on July 26, 1999.
- Standards more protective of public health.
- Uniform & consistent bacteriological water quality monitoring & standards for California.
- Weekly bacteriological water quality monitoring.
- Analyze for three indicator bacteria.
- April 1 through October 31 (yearly in O. C.).
- Beaches with at least 50,000 visitors per year.
  - Beaches adjacent to flowing storm drains.
  - Closure mandatory if sewage reaches ocean.

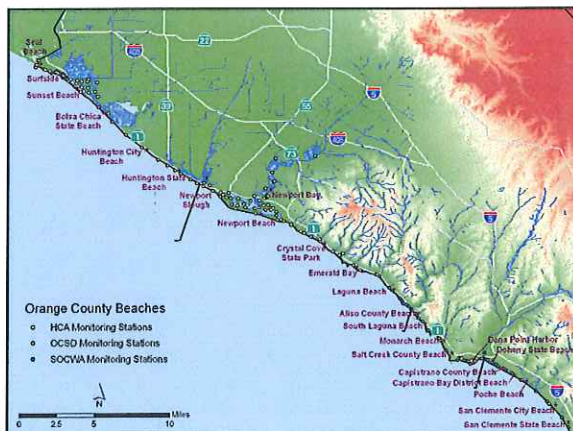


## Multi-Agency Collaboration

- County of Orange
  - Health Care Agency
    - Environmental Health
    - Public Health Lab
  - OC Public Works
    - OC Watersheds
- Orange County Sanitation District
- South Orange County Wastewater Authority







## Public Notification and Risk Communication

- Beach Signs
- Telephone Hotline (714) 433-6400
- Website [www.ocbeachinfo.com](http://www.ocbeachinfo.com)
- Social Media [www.twitter.com/ocbeachinfo](http://www.twitter.com/ocbeachinfo)
- E-mail updates





HEALTH CARE AGENCY – PUBLIC HEALTH SERVICES  
ENVIRONMENTAL HEALTH – WATER QUALITY  
**OCEAN RECREATIONAL WATER UPDATE**

Time: 4:15 PM Date: September 1, 2011  
Closure and Posted Warning Status Report



## Beach Mile Days (BMD)

(Miles of Beach Posted) X (Number of Days) = Beach Mile Days.

**Example:**  
 1/2 mile of beach is posted for a 4 day period  
 (0.5 miles) x (4 days) = 2.0 Beach Mile Days (BMD)



### AB 411 Period (April 1 – October 31) Postings for all Orange County Ocean and Bay Water Areas 2000 – 2011

Year	Postings	Days	Beach Mile Days
2000	199	2,123	362.8
2001	208	2,454	282.4
2002	308	2,456	366.0
2003	160	1,732	247.5
2004	141	1,877	196.8
2005	102	1,512	197.6
2006	183	1,381	177.4
2007	116	1,037	139.0
2008	121	875	132.2
2009	109	791	135.6
2010	102	843	87.6
2011	114	855	164.4



### Total Number of Beach Mile Days Posted for AB411 Period (April 1 – October 31) 2000 - 2011



### Newport Beach

Sampling Agency: Orange County Sanitation District  
 Sampling Frequency: 5 samples per week  
 Sampling Locations: Orange St., 25th/33rd St., 33rd St., 15th/16th St., Balboa Pier, The Wedge, Corona Del Mar State Beach, Little Corona  
 Beach Miles: 7.0 miles of open coastal beach

#### AB411 Period (April 1 - October 31)

Year	Postings	Days	Beach Mile Days
2000	8	18	2.2
2001	8	13	0.7
2002	10	17	1.2
2003	14	23	1.4
2004	12	18	1.2
2005	6	21	6.0
2006	6	10	1.9
2007	8	10	0.6
2008	6	11	0.6
2009	3	10	0.6
2010	11	11	0.7
2011	7	8	0.5

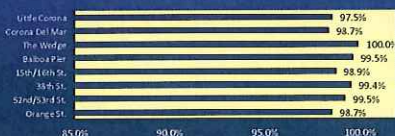


### Newport Beach

Number of Beach Mile Days Posted 2000 – 2011 (April 1 – October 31)



Sampling Station Compliance with AB411 Standards 2005 – 2011 (April 1 – October 31)



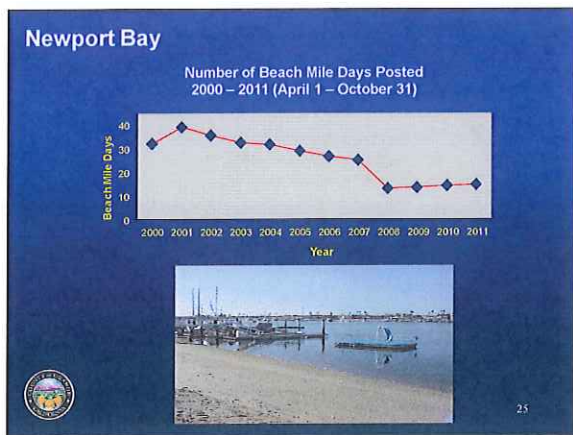
### Newport Bay

Sampling Agency: HCA Environmental Health  
 Sampling Frequency: 1 sample per week  
 Number of Sampling Locations: 31  
 Beach Miles: 39.5 miles of bay frontage

#### AB411 Period (April 1 - October 31)

Year	Postings	Days	Beach Mile Days
2000	56	929	32.0
2001	68	931	39.0
2002	43	905	35.6
2003	40	730	32.3
2004	31	768	31.5
2005	21	719	28.8
2006	30	492	26.7
2007	18	471	25.0
2008	15	246	13.2
2009	19	266	13.3
2010	18	307	14.2
2011	25	287	14.5
2012	22	263	13.9 9/30/12





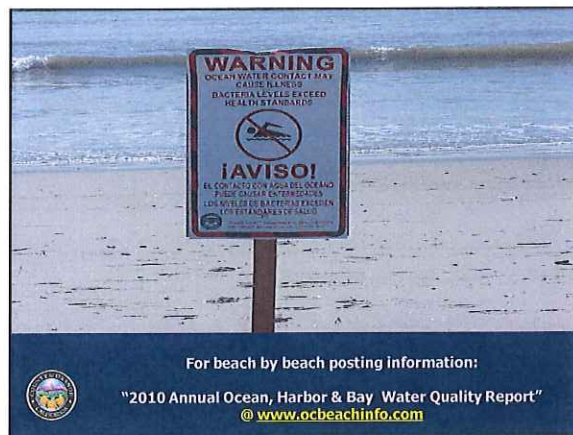
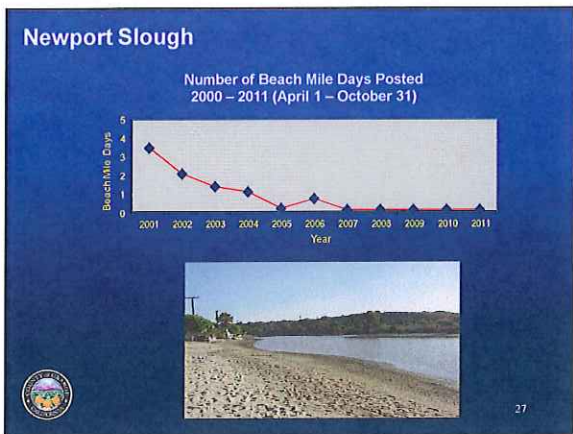
### Newport Slough

Sampling Agency: HCA Environmental Health  
Sampling Frequency: 1 sample per week  
Sampling Locations: Lancaster Street at 61<sup>st</sup> Street, Lancaster Street at Canal Street  
Beach Miles: 0.1 miles of bay frontage

AB411 Period (April 1 - October 31)

Year	Postings	Days	Beach Mile Days
2000	n/a	n/a	n/a
2001	6	324	3.5
2002	5	181	2.1
2003	6	111	1.4
2004	3	96	1.1
2005	2	15	0.2
2006	10	61	0.7
2007	1	2	0.1
2008	4	13	0.1
2009	3	6	0.1
2010	2	6	0.1
2011	1	1	0.1

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- ### Highlights 2011 - 2012
- No Sewage Spill Closures in Orange County for 10 Consecutive Months (June 2011 – April 2012).
  - Heal The Bay:**  
**2011 – 2012 Annual Beach Report Card**
  - 94% of OC beaches received "A" or "B" grades (dry weather).
    - CA statewide average = 88% "A" or "B" grades.
  - 17 "Honor Roll" Beaches in Orange County.
    - Five "Honor Roll" Beaches in City of Newport Beach:
      - Newport Beach: 52<sup>nd</sup>/53<sup>rd</sup> Street; The Wedge.
      - Newport Bay: Onyx Ave; N Street; Rocky Point (Pirates Cove).
  - NRDC:**  
**2012 Testing the Waters**
  - Only 12 out of 200 beaches in U.S. received "5-Star" rating.
    - Three "5-Star" Beaches in CA – more than any state.
    - All three "5-Star" Beaches in Orange County.
      - Newport Beach: 52<sup>nd</sup>/53<sup>rd</sup> Street - 36<sup>th</sup> Street is a "5-Star" beach.
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- ### Current Issues:
- AB 411
    - Collaborative Regional Monitoring Program
  - EPA
    - Recreational Water Quality Criteria - 2012
  - Predictive Modeling Project-Stanford/CBI Grant
  - OCSD Outfall Maintenance
  - SWRCB - State-of-the-Science: Fecal Source Identification and Associated Risk Assessment Tools, 11/28 & 11/29 @ SCCWRP
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# TMDLS

- Nutrients - good
- FIB – right direction but stalled
- Organochlorine Pesticides - need letter of concern
- Selenium – right direction (!)
- Copper – does not appear to be heading in the right direction
- Sediment -- Stalled



Figure 2-11. Big Canyon Country Club golf course surface hydrology showing stream areas and lakes (BCW Middle).

Sample Locations: ● Inflow ● Lake ● Riparian ● Outflow - - - - - Blue-line Stream . . . . . Storm Drain

# San Diego Creek at Jeffrey Road

