



2010 New York City Beach Surveillance and Monitoring



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SECTION 1 INTRODUCTION

Under both Article 167 of the New York City Health Code (Article 167) and Subpart 6-2 of the New York State Sanitary Code (Subpart 6-2), the NYC Department of Health and Mental Hygiene (DOHMH or the “Department”) is required to monitor and conduct surveillance of permitted beaches in the City of New York. *See* 24 RCNY §167 (2004). *See also* Subpart 6-2 New York State Sanitary Code. In order to meet requirements under Article 167, DOHMH administers the Beach Surveillance and Monitoring Program during the bathing season. The Program includes: 1) collecting routine beach water quality monitoring; 2) conducting annual compliance inspections of beach facilities; and 3) regulatory surveillance.

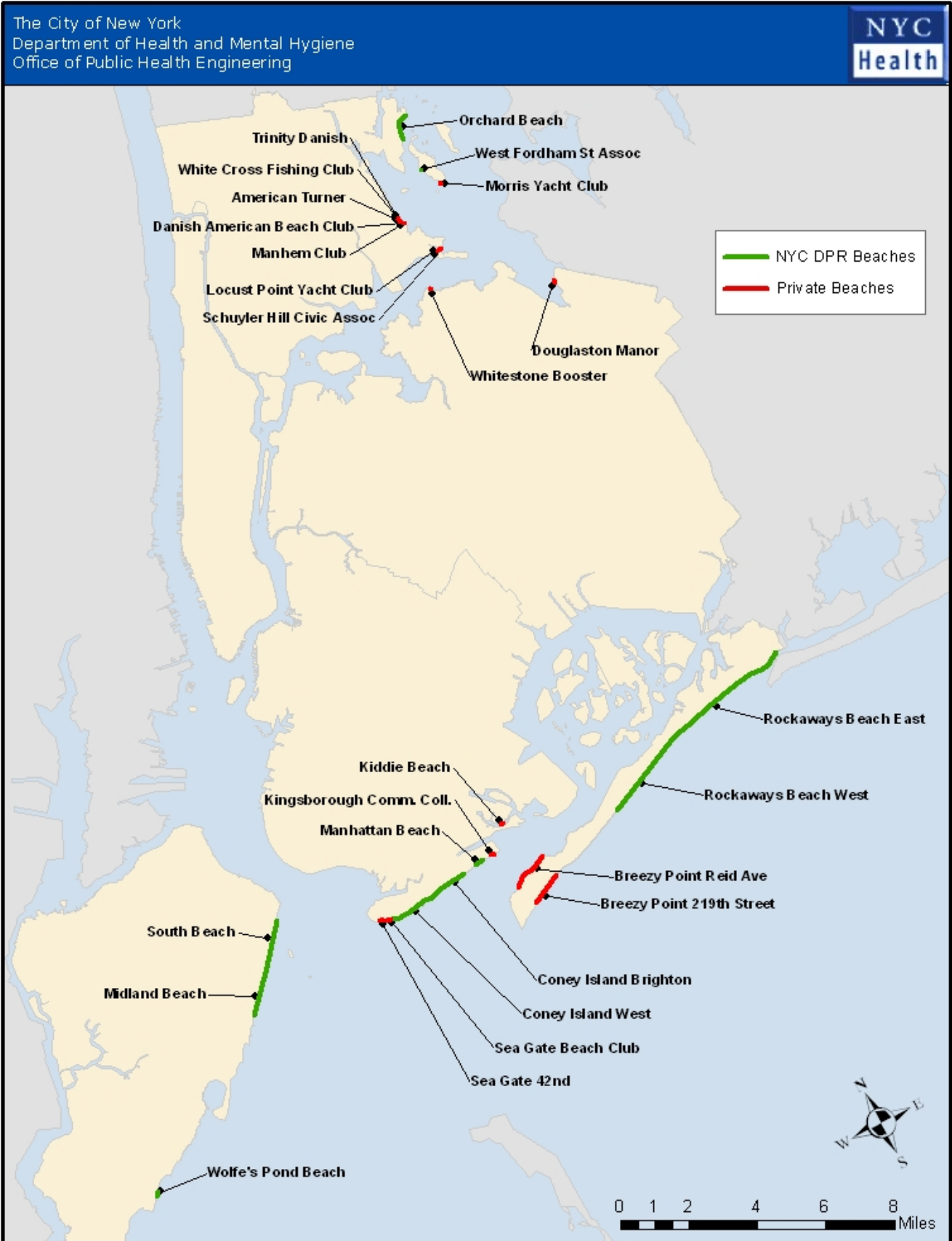
In accordance with the New York City Administrative Code §18-131 (c) (4), this annual report is submitted to summarize the 2010 New York City Beach Surveillance and Monitoring Program for permitted beaches. This law requires that the Commissioner of Health and Mental Hygiene “forward a combined report of the dates and results of all inspections of all bathing beaches and the dates and reasons for any advisory or closure, and such other information deemed appropriate by the Commissioner of Health and Mental Hygiene, for the Friday proceeding the last Monday of May until the Friday after the first Monday of September of each year, to the Mayor, the Public Advocate and the Speaker of the Council.”

New York City has miles of shoreline available for recreational activities like swimming, boating, and fishing, and also commercial activities like shipping and transportation (refer to Figure 1, page 2 for beach locations). The City’s beaches function as an important recreational resource for City residents and neighboring communities. As shown in Table 1, there are seven public and fifteen private permitted beaches which includes three newly permitted beaches, Locust Point Yacht Club, West Fordham Street Association and Whitestone Booster Civic Association.

Table 1 New York City Permitted Beaches and Water Body Identification

Borough	Beaches	Area	Water body
Brooklyn	Public: Coney Island/Manhattan Private: Seagate (Pvt), Gerritsen/Kiddie (Pvt), Kingsborough (Pvt)	From Norton’s Point to Sheepshead Bay	Lower New York Bay
Bronx	Public: Orchard Private: American Turner, Danish American, Manheim, White Cross, Morris Yacht, Schuyler Hill, Trinity Danish, Locust Point Yacht Club, West Fordham Street Assoc	From the southeastern border of Westchester County to just below the Throgs Neck Bridge at Throgs Point	Eastchester Bay, Western Long Island Sound
Queens	Public: Rockaway Private: Douglaston Manor, Whitestone Booster Civic Association and Breezy Point	Little Neck Bay; From Norton’s Point to Sheepshead Bay The southern side of Rockaway Peninsula	Western Long Island Sound; Atlantic Ocean Coastline
Staten Island	Public: Midland, South Beach, Wolfe’s Pond Park	From Page Avenue, east of Tottenville to Fort Wadsworth Reservation	Lower New York Bay, Raritan Bay

FIGURE 1 Location of New York City Permitted Beaches



SECTION 2

BACKGROUND INFORMATION

This chapter provides background information on the New York City Beach Surveillance and Monitoring Program. The topics of discussion include pathogen indicators, bacteriological quality standards, classification of beaches, procedures and protocols on sampling and surveillance, and public notification and risk communication.

2.1 Bacteriological Quality Standards

Under both the New York State Sanitary Code §6-2.15 and Article §167.03 and as required by the Federal Beaches Federal Beaches Environmental Assessment and Coastal Health Act of 2000 (BEACH) Act, Enterococci is the indicator organism mandated for evaluating the microbiological quality of saline recreational beach water. Under both regulations, Enterococci single sample result shall not exceed 104 Colony Forming Units (CFU's) per 100 mL, and Enterococci geometric mean shall not exceed 35 CFU per 100 mL for a series of five or more samples collected during a 30-day period. The geometric mean is determined by analyzing a series of five or more samples collected during a thirty day period for the presence and quantification of Enterococci using EPA method 1600.

2.2 Beach Classification and Status Updates

Beach classification and status updates are determined by evaluating the water quality data, sanitary and safety surveys, site conditions, and/or historical information. Beachfront areas except those specifically restricted under Article §167.05 are classified as follows:

Class A: Open for Swimming and Bathing. All of the following conditions are considered in order for a beach to be classified as open and approved for swimming and bathing:

1. Bathing beach water quality is in accordance with standards defined under Article §167.13.
2. Sanitary and safety surveys are satisfactory in accordance with Article §167.25.
3. The epidemiological history is satisfactory to the Department. No repeated complaints/reports of illness/injury received from the public or from owners/operators of bathing beaches.

Class B: Under Advisory – Not Recommended for Swimming and Bathing. When any of the following conditions are present, the Department may place the beach/facility under advisory, notifying the public of the likelihood of polluted water conditions, and recommend to the public to avoid swimming in the affected water body:

1. Rainfall events exceed the preemptive standards/threshold of New York City Wet Weather Advisories, as issued by the Department at the beginning of each bathing season.
2. A sanitary and safety survey or investigation reveals the presence of floatable debris, medical/infectious waste, toxic contaminants, petroleum products, and/or other contamination on the beach or evidence of sewage and wastewater discharge, which may constitute a potential public health hazard.

Swimming or bathing is not recommended in any areas placed under an Advisory by the Department, especially for people with underlying medical conditions and for young and elderly people who may be at a greater risk of contracting swimming related illnesses.

Under “Class B” beach classification, there are two advisories, Wet Weather Advisory and Pollution Advisory, and they are as follows:

Wet Weather Advisory: A Preemptive Standard is defined as a threshold level of precipitation that, when exceeded, can lead to elevated levels of bacteria due to Combined Sewer Overflow (CSO) and Stormwater runoff. Untreated sewage bypasses and excess Stormwater runoff can potentially pose a public health threat in nearby bathing beach water bodies. The Wet Weather Advisories for the City beaches are shown in Table 2 below:

Table 2 New York City Wet Weather Advisory

Beach (Borough)	Rainfall Event Limit	Duration of Advisory
South Beach, Midland Beach, (SI), Manhattan Beach, Kingsborough CC (BK)	1.5 – 2.5 inches	12 hours
	> 2.5 inches	24 hours
Orchard Beach (BX)	> 2.5 inches	24 hours
Coney Island (BK)	> 2.5 inches	12 hours
Gerritsen Beach (BK), Whitestone Booster (QNs)	0.3 - 0.6 inches	18 hours
	> 0.6 inches	40 hours
All Bronx Private Beaches (BX): American Turner Danish American , Manheim, White Cross, Morris Yacht, Schuyler Hill, Trinity Danish, Locust Point Yacht Club, West Fordham Street Assoc.	0.6 – 2.5 inches	36 hours
	> 2.5 inches	48 hours
Douglaston Manor (QNs)	0.3 – 0.6 inches	30 hours
	0.6 – 2.5 inches	60 hours
	> 2.5 inches	72 hours

Pollution Advisory: A Pollution Advisory is issued to warn the public to avoid water contact recreation when bacteria levels or other conditions may contribute to possible illness. An advisory is issued under the following conditions: (1) when naturally occurring organisms or human influences may cause a continuous or reoccurring water quality exceedence (suspected Enterococci exceedence); (2) when a sanitary and safety survey or investigation reveals the presence of floatable debris, medical/infectious waste or toxic contaminants, petroleum products and/or other contamination on the beach; or (3) when there is evidence of sewage and wastewater discharge.

Class C: Closed – Temporarily Restricted for Swimming and Bathing. Permitted beaches may be classified as “Temporarily Restricted for Swimming and Bathing” when one or more of the following conditions exists:

1. Confirmed samples show that bathing beach water quality exceeds the statutory water quality standard for marine water beaches;
2. Epidemiological data indicates a significant incidence of related illnesses or repeated complaints/reports of illness/injury received from beach patrons;
3. A sanitary and safety survey or an investigation reveals the presence of potentially hazardous amounts of floatable debris, medical/infectious waste, toxic contaminants, petroleum products or other contaminants on the beach, or there is evidence of sewage and wastewater discharges in sufficient quantities that will adversely affect the quality of the beach water; or
4. Any other environmental factors determined to be a public health or safety hazard by the DOHMH.

2.3 Routine Monitoring and Surveillance Procedures

The routine beach monitoring and surveillance procedures consist of the following three major components: (1) routine beach water quality monitoring; (2) compliance inspections; and (3) regulatory surveillance.

DOHMH monitors and samples each beach on a weekly basis with the exception of the Rockaway and Breezy Point beaches, which are sampled bi-weekly. Additional samples may be collected when necessary. The determining factors for additional sampling may include: (1) proximity to suspected pollution sources; (2) extent of pollution; (3) beach use; (4) historical water quality data; and (5) other health risk factors.

Prior to sample collection, a visual inspection is performed to identify any existing and/or potential sources of pollution that are likely to affect beach water quality. During a sample event, three samples are collected at each beach. At larger beaches, such as Coney Island and Rockaway, additional samples are taken at multiple locations to ensure adequate representation and reliable data results. Water samples are collected at knee-depth (18 inches) in three feet of water, at the middle of a typical or most highly used area of the beach, or near a potential source of pollution. The collected samples are delivered to the DOHMH Office of Public Health Laboratories (PHL) for analysis. The analytical turnaround time for Enterococci is 24 hours.

The quality of the samples analyzed is reviewed and assessed based on conformance or non-conformance to applicable standards. If the regulatory limit for Enterococci is exceeded or conditions exist which may pose a threat to the health and/or safety of the public, the Department will: (1) conduct immediate re-sampling; (2) issue a pollution advisory and conduct re-sampling; and/or (3) close the beach and conduct re-sampling.

Beach sanitary surveys are performed during the season at each permitted facility; direct observations of conditions are supplemented by interviews with lifeguards and other personnel. In addition to routine water quality monitoring, the Department monitors on a daily basis the regional wet weather conditions and occasional Waste Water Treatment Plant (WWTP) bypasses, operational upsets and spills through interagency communication and cooperation. This information can be used to assess and make beach status determinations.

2.4 Public Notification and Risk Communication

Upon evaluation and assessment of beach water quality as specified above, when beach status changes occur, DOHMH notifies the public by on-site postings, website postings, through 311 (non-emergency government service hotline), via Notify NYC, Twitter, RSS, e-mail, SMS and through DOHMH press releases (when necessary). Beach operators are also notified by phone and/or email for onsite postings.

These procedures are aimed at (1) providing timely public notification and risk communication that allows the public to find out if a particular beach area is closed or poses a potential health risk and make informed decisions before actually going to the beach; (2) promoting public education and participation in keeping beaches cleaner and improving public health and safety; and (3) serving as a communication link between the public, environmental advocates and related agencies for easy reporting of bathing related illnesses, chemical spills, or incidents.

The specific notification procedures and requirements for each of the above conditions are as follows:

On-Site Postings: When notified by the DOHMH, the permittee is required to post or remove the advisory or closure signs in designated areas visible to beach users such as beach entrances, bulletin boards, or the general vicinity of the common swimming areas.

Website Postings: The Department has developed an easily accessible, multi-functional website www.nyc.gov/health/beach. The website contains background and public education information summarizing the beach program, explains the causes and sources of surface water pollution, and summarizes the beach classification system, including different types of advisories. The website also provides an electronic form titled “The Illness Complaint Form” for reporting illnesses suspected of being related to swimming and bathing. A list of City beaches by borough, along with their respective status (Open, Closed, or Under Advisory) and sample results are updated on the website. Additionally, beach advisories or closures are also posted under the “NYC Right Now” link on the City website, www.nyc.gov.

311: The 311 telephone operators are updated by DOHMH via email with advisory or closure information, as described above. In addition to reporting swimming related illnesses via the website, the public can also report an illness via 311.

NYC Press Release: Press releases are formatted in a way that various types of media (newspaper, radio, website, television) can obtain and disseminate information.

Notify NYC: When notified by DOHMH of status changes relating to public beaches the Office of Emergency Management will send members of the public who have signed up to Notify NYC status information via Twitter, RSS, E-Mail and SMS.

SECTION 3 FINDINGS

3.1 Water Quality and Illness Reporting

Routine water quality monitoring and sample collection was performed at all nineteen permitted beaches. As shown in Attachment A 2010 Water Quality Results (page 9), approximately 1,500 samples were collected and analyzed from these beaches between April and September. A total of one complaint related to swimmer's itch was reported to DOHMH. Swimmer's itch is a type of skin rash caused by tiny snails which naturally occur in the area. The allergic reaction of swimmer's itch can be extremely annoying but is not likely to be dangerous and will not spread. Swimmer's itch occurs throughout New York State and many other regions. For more information about swimmer's itch please go to the following link on the cities website http://www.nyc.gov/html/doh/html/beach/beach_risks1.shtml

3.2 Advisories and Closures

The Department has continued to maintain the dissemination of public information about beach quality and safety through on-going communication with beach operators, updating of the beach water quality website, and by providing information through 311 and Notify NYC via Twitter, RSS, e-mail and SMS. The 2010 beach season was hot and dry compared to the 2009. This has resulted in a 50% reduction in the number of Advisories and Closure. The specific Advisory and Closure dates, and reasons for issuing these advisories and closures are shown in Attachment B 2010 Advisories & Closures (page 12).

In addition to the Closures and Advisories discussed above, Rockaway and Seagate Beaches in New York City were closed on September 4 due to high RIP currents/surf and localized costal wave action associated with Hurricane Earl.

3.3 Compliance Inspections

OPHE worked throughout the off season with Private Surf Beach operators to ensure that all their facilities had implemented the new State Requirements for Automated External Defibrillator (AED) equipment and to establish a Public Access Defibrillation Program (PAD). During the season, a total of 69 inspections were conducted by DOHMH at permitted beaches. As shown in Attachment C–2010 Non-Compliance Summary (page 16), both general violations and public health hazard violations were observed at both public and private beaches.

ATTACHMENT A: 2010 WATER QUALITY RESULTS

**TABLE A-1 Brooklyn and Queens Private Beaches Water Quality Results
Enterococci Geometric Mean (Count/100ml)**

Water Quality Standards: 30 day limit: 35cfu/100ml, Single(1) Day limit: 104cfu/100ml (shaded in yellow when exceeded)

Date of Week Ending	Whitestone Booster Civic Assoc		Breezy Point 219		Breezy Point Reid Ave		Gerritsen / Kiddie Beach		Kingsborough Community College		Douglaston Manor Association		Sea Gate 42nd		Sea Gate Beach Club	
	30 Day	Daily	30 Day	Daily	30 Day	Daily	30 Day	Daily	30 Day	Daily	30 Day	Daily	30 Day	Daily	30 Day	Daily
5/29/2010	45	4	4	4	10	12	46	37	8	4	73	9	6	4	11	4
6/5/2010	25	15					19	36	5	4	52	233	4	4	7	4
6/12/2010	22	35	4	4	6	4	12	10	4	4	48	43	4	4	4	4
6/19/2010	31	362					17	23	5	8	56	242	4	4	5	12
6/26/2010	27	21	4	4	10	20	20	9	5	4	80	159	4	4	5	4
7/3/2010	39	25					16	12	5	4	104	31	4	4	5	4
7/10/2010	59	112	5	8	7	4	10	4	5	5	77	51	4	4	5	4
7/17/2010	45	9					12	25	8	42	54	7	5	12	6	7
7/24/2010	24	16	7	12	7	4	9	6	7	4	31	17	6	8	4	4
7/31/2010	19	6					8	4	10	36	18	9	6	4	5	5
8/7/2010	15	8	7	4	4	4	7	6	12	10	21	67	6	6	5	4
8/14/2010	11	19					8	10	18	32	21	50	7	9	5	6
8/31/2010	11	12	26	4	4	4	14	10	20	5	29	40	10	69	8	56
8/28/2010	14	42					14	10	29	36	22	4	9	4	8	5
9/4/2010	13	6	23	4	4	4	21	9	22	6	23	13	9	5	10	12
9/11/2010	13	6							26	27	25	103	11	12	10	4

TABLE A-2 Bronx Beaches Water Quality Results

Enterococci Geometric Mean (Count/100ml)

Water Quality Standards: 30 day limit: 35cfu/100ml, Single(1) Day limit: 104cfu/100m (shaded in yellow when exceeded)

Date of Week Ending	Orchard Beach		American Turners		Danish American Beach Club		Manhem Club		West Fordham Street Association		Locust Point		Morris Yacht and Beach Club		Schuyler Hill Civic Association		Trinity Danish		White Cross Fishing Club	
	30 Day	Daily	30 Day	Daily	30 Day	Daily	30 Day	Daily	30 Day	Daily	30 Day	Daily	30 Day	Daily	30 Day	Daily	30 Day	Daily	30 Day	Daily
5/29/2010	5	10	23	4	27	4	24	4	14	187	18	14	17	30	15	4	22	4	25	5
6/5/2010	5	4	24	338	25	186	23	191	10	6	16	12	13	5	9	4	21	267	25	270
6/12/2010	5	4	11	4	11	6	12	5	10	5	13	4	32	365	7	4	13	17	11	4
6/19/2010	5	4	12	4	18	42	13	7	10	4	8	6	25	16	7	37	17	14	15	37
6/26/2010	5	4	14	10	15	4	15	30	17	68	7	4	30	29	6	4	17	5	15	4
7/3/2010	4	4	15	5	16	5	15	4	8	4	7	19	21	5	6	4	17	4	17	8
7/10/2010	4	5	10	50	10	22	9	14	9	9	0	0	48	305	7	8	8	6	12	56
7/17/2010	4	6	10	4	12	13	10	10	10	11	7	6	20	5	9	15	9	41	16	17
7/24/2010	7	31	9	5	7	4	10	5	13	15	8	7	18	9	6	4	8	6	11	6
7/31/2010	7	4	11	34	10	15	6	4	10	16	8	4	17	20	6	5	10	20	16	24
8/7/2010	12	7	12	6	9	4	6	4	10	5	6	5	19	8	6	4	11	5	15	5
8/14/2010	12	4	20	50	7	6	6	10	16	96	6	9	8	5	5	4	14	22	13	30
8/21/2010	11	4	25	16	8	29	6	12	16	10	7	17	9	8	9	7	13	26	16	45
8/28/2010	8	4	16	4	12	26	8	12	13	4	7	4	8	4	10	6	14	9	20	21
9/4/2010	12	37	18	9	9	4	7	4	11	7	7	4	7	14	9	4	10	4	19	18
9/11/2010	7	4	8	4	15	41	10	15	14	16	11	54	12	96	11	13	10	5	23	12

TABLE A-3 Rockaway Beach Water Quality Results

Enterococci Geometric Mean (Count/100ml)

Water Quality Standards: 30 day limit: 35cfu/100ml, Single(1) Day limit: 104cfu/100ml

Date of Week Ending	Rockaway Beach															
	9th - 13th Street		15th - 22nd Street		23rd - 59th Street		59th - 80th Street		80th - 95th Street		95th - 116th Street		116th-126th Street		126th-149th Street	
	30 Day	Daily	30 Day	Daily	30 Day	Daily	30 Day	Daily	30 Day	Daily	30 Day	Daily	30 Day	Daily	30 Day	Daily
5/29/2010	4	4	4	4	4	4	4	4	4	4	6	4	4	4	4	4
6/12/2010	4	4	4	4	4	4	4	4	5	8	6	4	5	8	4	4
6/26/2010	4	4	4	4	4	4	4	4	5	4	4	4	5	4	4	4
7/10/2010	4	4	4	4	4	4	4	4	5	4	5	8	10	36	4	4
7/24/2010	4	4	4	4	4	4	4	4	4	4	5	4	8	4	9	44
8/7/2010	5	8	6	12	4	4	4	4	5	8	5	4	8	4	9	4
8/14/2010	5	4	5	4	4	4	4	4	5	4	6	12	7	4	7	4
9/4/2010	6	8	6	4	4	4	4	4	5	4	6	4	4	4	4	4

TABLE A-4 Brooklyn and Staten Island Public Beaches Water Quality Results

Enterococci Geometric Mean (Count/100ml)

Water Quality Standards- 30 day limit: 35cfu/100ml, Single(1) Day limit: 104cfu/100ml (shaded in yellow when exceeded)

Date of Week Ending	Coney Island Beach												Manhattan Beach		Midland Beach		South Beach		Wolfe's Pond Beach	
	15th - 6th Street		6th Street - Ocean Pkwy		Ocean Pkwy - West 8th St		West 8th Street - Pier		West 16th - West 27th Street		West 28th - West 37th Street		30 Day	Daily	30 Day	Daily	30 Day	Daily	30 Day	Daily
	30 Day	Daily	30 Day	Daily	30 Day	Daily	30 Day	Daily	30 Day	Daily	30 Day	Daily	30 Day	Daily	30 Day	Daily	30 Day	Daily	30 Day	Daily
5/29/2010	6	4	5	4	4	4	5	4	23	12	9	8	8	19	20	11	18	5	11	13
6/5/2010	5	4	5	4	4	4	5	4	20	4	7	4	6	4	12	4	14	18	6	4
6/12/2010	5	4	4	4	4	4	4	4	20	48	9	48	6	6	7	4	6	4	6	4
6/19/2010	6	20	4	4	4	4	4	4	10	4	9	4	6	5	6	4	8	22	11	6
6/26/2010	5	4	4	4	4	4	4	4	9	8	7	4	6	4	5	4	8	5	10	4
7/3/2010	5	4	5	12	4	4	4	4	7	4	6	4	4	4	4	4	8	4	8	5
7/10/2010	5	4	7	20	4	4	5	8	7	4	6	4	5	9	4	4	6	4	10	16
7/17/2010	12	200	7	4	5	8	6	12	6	20	5	12	7	22	4	7	9	44	13	18
7/24/2010	9	4	9	12	5	4	7	16	8	16	5	4	7	4	4	4	7	6	9	9
7/31/2010	9	4	9	4	5	4	7	4	7	4	5	4	8	11	5	5	9	19	12	17
8/7/2010	9	4	9	16	5	4	8	4	7	4	5	4	11	18	5	6	15	36	16	23
8/14/2010	9	4	8	8	5	4	7	4	18	23	6	16	14	31	6	6	26	65	13	6
8/21/2010	11	12	9	8	7	4	5	4	16	8	8	28	17	4	6	12	21	13	10	4
8/28/2010	8	4	7	4	7	4	5	8	17	28	11	20	20	11	10	32	31	53	9	7
9/4/2010	8	4	7	4	7	8	5	4	17	4	14	16	25	45	9	4	24	5	7	4
9/11/2010	8	4	5	4	8	8	5	4	17	4	14	4	28	36	12	20	17	6	6	12

ATTACHMENT B: 2010 ADVISORIES AND CLOSURES

TABLE B Advisory and Closure Summary for Private Beaches

Beach	Status	Start Date	End Date	Reason
American Turners	Pollution Advisory	6/4/2010	6/9/2010	Suspected Enterococci Exceedence
American Turners	Wet Weather Advisory	6/10/2010	6/10/2010	Preemptive Advisory
American Turners	Wet Weather Advisory	7/13/2010	7/15/2010	Preemptive Advisory
American Turners	Wet Weather Advisory	7/24/2010	7/24/2010	Preemptive Advisory
American Turners	Wet Weather Advisory	8/23/2010	8/24/2010	Preemptive Advisory
American Turners	Wet Weather Advisory	8/25/2010	8/26/2010	Preemptive Advisory
Danish American Beach Club	Pollution Advisory	6/4/2010	6/9/2010	Suspected Enterococci Exceedence
Danish American Beach Club	Wet Weather Advisory	6/10/2010	6/10/2010	Preemptive Advisory
Danish American Beach Club	Wet Weather Advisory	7/13/2010	7/15/2010	Preemptive Advisory
Danish American Beach Club	Wet Weather Advisory	7/24/2010	7/24/2010	Preemptive Advisory
Danish American Beach Club	Wet Weather Advisory	8/23/2010	8/24/2010	Preemptive Advisory
Danish American Beach Club	Wet Weather Advisory	8/25/2010	8/26/2010	Preemptive Advisory
Douglaston Manor Association	Closed	6/4/2010	7/14/2010	Confirmed Enterococci Exceedence
Douglaston Manor Association	Pollution Advisory	7/15/2010	7/20/2010	Suspected Enterococci Exceedence
Douglaston Manor Association	Wet Weather Advisory	7/24/2010	7/25/2010	Preemptive Advisory
Douglaston Manor Association	Wet Weather Advisory	8/23/2010	8/27/2010	Preemptive Advisory
Gerritsen/Kiddie Beach	Pollution Advisory	8/19/2010	8/20/2010	Suspected Enterococci Exceedence
Gerritsen/Kiddie Beach	Wet Weather Advisory	6/10/2010	6/10/2010	Preemptive Advisory
Gerritsen/Kiddie Beach	Wet Weather Advisory	7/13/2010	7/15/2010	Preemptive Advisory

TABLE B Advisory and Closure Summary for Private Beaches (continued)

Beach	Status	Start Date	End Date	Reason
Gerritsen/Kiddie Beach	Wet Weather Advisory	7/19/2010	7/19/2010	Preemptive Advisory
Gerritsen/Kiddie Beach	Wet Weather Advisory	7/24/2010	7/25/2010	Preemptive Advisory
Gerritsen/Kiddie Beach	Wet Weather Advisory	8/23/2010	8/24/2010	Preemptive Advisory
Gerritsen/Kiddie Beach	Wet Weather Advisory	8/25/2010	8/26/2010	Preemptive Advisory
Locust Point Yacht Club	Wet Weather Advisory	6/10/2010	6/10/2010	Preemptive Advisory
Locust Point Yacht Club	Wet Weather Advisory	7/13/2010	7/15/2010	Preemptive Advisory
Locust Point Yacht Club	Wet Weather Advisory	7/24/2010	7/24/2010	Preemptive Advisory
Locust Point Yacht Club	Wet Weather Advisory	8/23/2010	8/24/2010	Preemptive Advisory
Locust Point Yacht Club	Wet Weather Advisory	8/25/2010	8/26/2010	Preemptive Advisory
Manhem Club	Pollution Advisory	6/4/2010	6/9/2010	Preemptive Advisory
Manhem Club	Wet Weather Advisory	7/13/2010	7/15/2010	Preemptive Advisory
Manhem Club	Wet Weather Advisory	7/24/2010	7/24/2010	Preemptive Advisory
Manhem Club	Wet Weather Advisory	8/23/2010	8/24/2010	Preemptive Advisory
Manhem Club	Wet Weather Advisory	8/25/2010	8/26/2010	Preemptive Advisory
Morris Yacht and Beach Club	Pollution Advisory	6/10/2009	6/16/2009	Preemptive Advisory
Morris Yacht and Beach Club	Pollution Advisory	7/13/2009	7/15/2009	Preemptive Advisory
Morris Yacht and Beach Club	Wet Weather Advisory	7/15/2010	7/15/2010	Preemptive Advisory
Morris Yacht and Beach Club	Wet Weather Advisory	7/24/2010	7/24/2010	Preemptive Advisory

TABLE B Advisory and Closure Summary for Private Beaches (continued)

Beach	Status	Start Date	End Date	Reason
Morris Yacht and Beach Club	Wet Weather Advisory	8/23/2010	8/24/2010	Preemptive Advisory
Morris Yacht and Beach Club	Wet Weather Advisory	8/25/2010	8/26/2010	Preemptive Advisory
Schuyler Hill Civic Association	Pollution Advisory	8/18/2010	8/20/2010	Suspected Enterococci Exceedence
Schuyler Hill Civic Association	Wet Weather Advisory	6/10/2010	6/10/2010	Preemptive Advisory
Schuyler Hill Civic Association	Wet Weather Advisory	7/13/2010	7/15/2010	Preemptive Advisory
Schuyler Hill Civic Association	Wet Weather Advisory	7/24/2010	7/24/2010	Preemptive Advisory
Schuyler Hill Civic Association	Wet Weather Advisory	8/23/2010	8/24/2010	Preemptive Advisory
Schuyler Hill Civic Association	Wet Weather Advisory	8/25/2010	8/26/2010	Preemptive Advisory
Trinity Danish	Pollution Advisory	6/4/2010	6/9/2010	Suspected Enterococci Exceedence
Trinity Danish	Wet Weather Advisory	6/10/2010	6/10/2010	Preemptive Advisory
Trinity Danish	Wet Weather Advisory	7/13/2010	7/15/2010	Preemptive Advisory
Trinity Danish	Wet Weather Advisory	7/24/2010	7/24/2010	Preemptive Advisory
Trinity Danish	Wet Weather Advisory	8/23/2010	8/24/2010	Preemptive Advisory
Trinity Danish	Wet Weather Advisory	8/25/2010	8/26/2010	Preemptive Advisory
West Fordham Street Assoc	Wet Weather Advisory	7/13/2010	7/15/2010	Preemptive Advisory
West Fordham Street Assoc	Wet Weather Advisory	7/24/2010	7/24/2010	Preemptive Advisory
West Fordham Street Assoc	Wet Weather Advisory	8/23/2010	8/24/2010	Preemptive Advisory
West Fordham Street Assoc	Wet Weather Advisory	8/25/2010	8/26/2010	Preemptive Advisory

TABLE B Advisory Summary for Private Beaches (continued)

NAME	Status	Start Date	End Date	Reason
White Cross Fishing Club	Pollution Advisory	6/4/2010	6/9/2010	Preemptive Advisory
White Cross Fishing Club	Wet Weather Advisory	6/10/2010	6/10/2010	Preemptive Advisory
White Cross Fishing Club	Wet Weather Advisory	7/13/2010	7/15/2010	Preemptive Advisory
White Cross Fishing Club	Wet Weather Advisory	7/24/2010	7/24/2010	Preemptive Advisory
White Cross Fishing Club	Wet Weather Advisory	8/23/2010	8/24/2010	Preemptive Advisory
White Cross Fishing Club	Wet Weather Advisory	8/25/2010	8/26/2010	Preemptive Advisory
Whitestone Booster Civic Assoc	Pollution Advisory	6/16/2010	6/23/2010	Suspected Enterococci Exceedence
Whitestone Booster Civic Assoc	Pollution Advisory	7/9/2010	7/14/2010	Suspected Enterococci Exceedence
Whitestone Booster Civic Assoc	Wet Weather Advisory	6/10/2010	6/11/2010	Preemptive Advisory
Whitestone Booster Civic Assoc	Wet Weather Advisory	7/15/2010	7/15/2010	Preemptive Advisory
Whitestone Booster Civic Assoc	Wet Weather Advisory	7/24/2010	7/24/2010	Preemptive Advisory
Whitestone Booster Civic Assoc	Wet Weather Advisory	8/23/2010	7/24/2010	Preemptive Advisory
Whitestone Booster Civic Assoc	Wet Weather Advisory	8/25/2010	8/26/2010	Preemptive Advisory

ATTACHMENT C: 2010 Inspection Summary

Table C Number of Violations Issued Per Facility

Beach Name	Public Health Hazard Violations*					General Violations**								
	§167.19(a)(1)	§167.19(a)(4)	§167.21(a)(1)	§167.21(a)(3)	§167.37(f)(2)(B)	§167.05(a)	§167.23(a)	§167.23(b)	§167.31(a) & 167.39(b)	§167.31(b) & §167.39(b)	§167.31(c)	§167.31(d) & §167.39(b)(2)	§167.31(e) & §167.39(a)	§167.35
AMERICAN TURNERS														1
CONEY ISLAND	1	1	1		1				1			2		
DANISH AMERICAN														1
KINGSBOROUGH COM. COLLEGE								1						
LOCUST POINT				1										
MIDLAND BEACH						1	1		1	1		1		
MORRIS YACHT AND BEACH CLUB	1													
ORCHARD BEACH													2	
ROCKAWAY BEACH	2	3							1			2		
SCHUYLER HILL	1													
SEA GATE BEACH CLUB									1					
SOUTH BEACH						1			1	1	1	2		
WEST FORDHAM ST ASSOC	1													
WOLFE'S POND BEACH						1	1				1			

*** Public Health Hazard Violations:**

- §167.19(a)(1) Failure to provide adequate number of lifeguard(s) or supervision
- §167.19(a)(4) Failure to post signs indicating "No Lifeguard on Duty - Bathing and Swimming Prohibited" at every entrance when lifeguard not on duty
- §167.21(a)(1) 1 Pocket face mask/shield for each active lifeguard not provided
- §167.21(a)(3) Spine board not provided and/or not located as identified in the approved Beach Safety Plan
- §167.37(f)(2)(B) Failure to post signs indicating hours of operation for bathing

**** General Violations:**

- §167.05(a) Permit is not conspicuously posted during the time of inspection
- §167.23(a) Beach Safety Plan not available during inspection
- §167.23(b) Beach Safety Plan not updated
- §167.31(a) & §167.39(b) Failure to properly maintain and operate in a safe, clean, and sanitary condition
- §167.31(b) & §167.39(b) Failure to provide adequate toilet and shower facilities
- §167.31(c) Failure to provide 50 feet of hosing with vacuum breaker
- §167.31(d) & §167.39(b)(2) Failure to provide liquid soap, paper towels or electric hand dryer
- §167.31(e) & §167.39(a) Failure to maintain the building structure free of cracks or open joints on the walls or floors
- §167.35 Beach records are inadequate and/or not maintained on site