CALIFORNIA
Water Boards

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SECRETARY FOR
ENVIRONMENTAL PROTECTION

Los Angeles Regional Water Quality Control Board

January 5, 2013

Ann Heil, Supervising Engineer
Technical Services Department
County Sanitation Districts of Los Angeles County
1955 Workman Mill Road
Whittier, CA 90607

SHORELINE MICROBIOLOGICAL MONITORING STATION LOCATION CORRECTION FOR THE JOINT WATER POLLUTION CONTROL PLANT (JWPCP) (ORDER NO. R4-2011-0151, NPDES NO. CA0053813, CI NO. 1758)

Dear Ms. Heil

The Los Angeles Regional Water Quality Control Board (Regional Water Board) received a letter from the County Sanitation Districts of Los Angeles County (Sanitation Districts) dated December 13, 2012, requesting that the JWPCP permit be amended to accurately reflect the shoreline microbiological monitoring station locations. The Sanitation Districts recently evaluated the consistency of historical shoreline microbiological monitoring station locations with those listed in Tables 1 and 5 of the Monitoring and Reporting Program (MRP) CI-1758 of the JWPCP NPDES Permit (Order No. R4-2011-0151) and found that the shoreline microbiological monitoring station locations in the MRP need to be updated.

The Regional Water Board concurs with the requested updates and hereby modifies the shoreline microbiological monitoring station locations in Tables 1 and 5 of the MRP as presented in Attachment A.

If you have any questions, please contact Talitha Sweaney at (213) 576-6793 or Brandi Outwin-Beals at (213) 576-6664.

Sincerely,

Samuel Unger

Samuel Unger, P.E.
Executive Officer

cc:
Alex Carlos, Los Angeles Regional Water Quality Control Board
Ann Heil, Los Angeles County Sanitation District
Jodie Nygaard, Los Angeles County Sanitation District
David Beckman, National Resources Defense Council
Angelo Bellomo, Los Angeles County
Alan Berndt
Bryant Chesney, National Oceanic Atmospheric Administration
Lis Crosson, Santa Monica Baykeeper
Tatiana Gaour, Santa Monica Baykeeper
Timeyin Dafeta, City of Los Angeles
Howard Fishman, City of Manhattan Beach
Kirsten James, Heal the Bay
Jill Gravender, Environment Now
Teresa Henry, Coastal Commission
Paul Jenkin
Jae Kim, Tetratech
Brian McComick, City of Los Angeles
Steve Overton, City of Los Angeles
Bill Paznokas, Department of Fish and Game
Hassan Rad, City of Los Angeles
Victor Rollinger, City of Carson
Ken Schiff, Southern California Coastal Water Research Project
Ron Silverman, Sierra Club
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Tim Smith, Los Angeles County
Kurt Souza, California Department of Public Health
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Daniel Uzi
Frank Senteno, City of Hermosa Beach
Amber Smith, Surfrider
Noah Garrison, National Resource Defense Council
Jonathan Snyder, Fish and Wildlife Service
Dennis Dollinar

Attachment A

Table 1. Monitoring Station Locations

Discharge Point Name	Monitoring Location Name	Monitoring Location Description		
Influent Monitoring Station				
--	INF-001	Sampling stations shall be established at each point of inflow to the sewage treatment plant and shall be located upstream of any in-plant return flows and/or where representative samples of the influent can be obtained		
Effluent Monitoring Station				
Discharge Points 001, 002, 003, and 004	EFF-001	The effluent sampling station shall be located downstream of any in-plant return flows but before entering discharge tunnel where representative samples of the effluent can be obtained.		
Discharge Points 001, 002, 003, and 004	EFF-002A and EFF-002B	These effluent sampling stations shall be located at the outfall manifold at White Point. Samples taken at monitoring location EFF-002A shall be considered representative of discharges from Discharge Points 001 and 003. Samples taken at monitoring location EFF-002B shall be considered representative of discharges from Discharge Points 002 and 004.		
Receiving Water Monitoring Station				
- Shoreline Stations for Microbiological Monitoring (Figure 1)				
	RW-SL-SB (R-M-SB in the former permit)	Bluff Cove	~~33° 47.52'~~ N 33.7938°	~~118° 23.76'~~ W 118.4070°

	RW-SL-SM (R-M-SM in the former permit)	Malaga Cove	~~33° 48.22'~~ N 33.8034°	~~118° 24.44'~~ W 118.3959°
	RW-SL-S1 (R-M-S1 in the former permit)	Long Point	~~33° 44.22'~~ N 33.7386°	~~118° 23.62'~~ W 118.3940°
	RW-SL-S2 (R-M-S2 in the former permit)	Abalone Cove	~~33° 44.44'~~ N 33.7416°	~~118° 22.18'~~ W 118.3792°
	RW-SL-S3 (R-M-S3 in the former permit)	Portuguese Bend	~~33° 44.02'~~ N 33.7362°	~~118° 21.40'~~ W 118.3602°
	RW-SL-S5 (R-M-S5 in the former permit)	White Point	~~33° 43.12'~~ N 33.7177°	~~118° 19.35'~~ W 118.3220°
	RW-SL-S6 (R-M-S6 in the former permit)	Wilder Addition Park	~~33° 42.59'~~ N 33.7098°	~~118° 17.95'~~ W 118.2990°
	RW-SL-S7 (R-M-S7 in the former permit)	Cabrillo Beach	~~33° 42.50'~~ N 33.7092°	~~118° 16.86'~~ W 118.2831°
- Inshore Stations for Microbiological Monitoring (Figure 2)				
	RW-IS-IL2 (R-M-IL2 in the former permit)	Long Point	33° 44.20'	118° 24.15'
	RW-IS-IL3 (R-M-IL3 in the former permit)	Portuguese Bend	33° 44.25'	118° 22.67'
	RW-IS-IL4 (R-M-IL4 in the former permit)	Bunker Point	33° 43.46'	118° 21.10'
	RW-IS-IL5 (R-M-IL5 in the former permit)	Royal Palms	33° 42.91'	118° 19.85'
	RW-IS-IL6 (R-M-IL6 in the former permit)	West of Point Fermin	33° 42.44'	118° 18.53'
	RW-IS-IL7 (R-M-IL7 in the former permit)	Cabrillo Beach	33° 42.20'	118° 17.04'
- Nearshore/Offshore Stations for Microbiological Monitoring (Figures 2 and 3)				
	RW-OS-6C (R-M-6C in the former permit)	6C, 33° 42.47', 118° 21.24'		
	RW-OS-8C (R-M-8C in the former permit)	8C, 33° 41.91', 118° 20.14'		
	RW-OS-9C (R-M-9C in the former permit)	9C, 33° 41.32', 118° 19.10'		
	RW-OS-2501 (R-WQ-2501 in the former permit)	10 meter depth, 33° 43.67', 118° 07.21'		
	RW-OS-2502 (R-WQ-2502 in the former permit)	20 meter depth, 33° 41.94', 118° 07.67'		
	RW-OS-2503 (R-WQ-2503 in the former permit)	26 meter depth, 33° 40.21', 118° 08.12'		
	RW-OS-2504 (R-WQ-2504 in the former permit)	33 meter depth, 33° 38.48', 118° 08.57'		

	RW-OS-2505 (R-WQ-2505 in the former permit)	44 meter depth, 33° 36.75', 118° 09.02'
	RW-OS-2506 (R-WQ-2506 in the former permit)	60 meter depth, 33° 34.86', 118° 09.54'
	RW-OS-2601 (R-WQ-2601 in the former permit)	19 meter depth, 33° 43.23', 118° 11.06'
	RW-OS-2602 (R-WQ-2602 in the former permit)	23 meter depth, 33° 41.64', 118° 11.43'
	RW-OS-2603 (R-WQ-2603 in the former permit)	23 meter depth, 33° 40.05', 118° 11.80'
	RW-OS-2604 (R-WQ-2604 in the former permit)	32 meter depth, 33° 38.46', 118° 12.18'
	RW-OS-2605 (R-WQ-2605 in the former permit)	47 meter depth, 33° 36.88', 118° 12.55'
	RW-OS-2606 (R-WQ-2606 in the former permit)	62 meter depth, 33° 35.29', 118° 12.93'
	RW-OS-2701 (R-WQ-2701 in the former permit)	26 meter depth, 33° 42.46', 118° 14.80'
	RW-OS-2702 (R-WQ-2702 in the former permit)	26 meter depth, 33° 41.32', 118° 15.07'
	RW-OS-2703 (R-WQ-2703 in the former permit)	28 meter depth, 33° 40.17', 118° 15.34'
	RW-OS-2704 (R-WQ-2704 in the former permit)	50 meter depth, 33° 39.03', 118° 15.60'
	RW-OS-2705 (R-WQ-2705 in the former permit)	100 meter depth, 33° 37.88', 118° 15.87'
	RW-OS-2706 (R-WQ-2706 in the former permit)	80 meter depth, 33° 36.73', 118° 16.14'
	RW-OS-2801 (R-WQ-2801 in the former permit)	10 meter depth, 33° 42.17', 118° 17.06'
	RW-OS-2802 (R-WQ-2802 in the former permit)	30 meter depth, 33° 41.60', 118° 17.34'
	RW-OS-2803 (R-WQ-2803 in the former permit)	60 meter depth, 33° 40.11', 118° 17.81'
	RW-OS-2804 (R-WQ-2804 in the former permit)	100 meter depth, 33° 39.46', 118° 18.08'
	RW-OS-2805 (R-WQ-2805 in the former permit)	100 meter depth, 33° 38.91', 118° 18.24'
	RW-OS-2806 (R-WQ-2806 in the former permit)	100 meter depth, 33° 38.22', 118° 18.55'
	RW-OS-2901 (R-WQ-2901 in the former permit)	10 meter depth, 33° 42.86', 118° 19.41'
	RW-OS-2902 (R-WQ-2902 in the former permit)	30 meter depth, 33° 42.42', 118° 19.79'
	RW-OS-2903 (R-WQ-2903 in the former permit)	60 meter depth, 33° 41.91', 118° 20.14'
	RW-OS-2904 (R-WQ-2904 in the former permit)	100 meter depth, 33° 41.27', 118° 20.34'
	RW-OS-2905 (R-WQ-2905 in the former permit)	100 meter depth, 33° 40.26', 118° 20.77'
	RW-OS-2906 (R-WQ-2906 in the former permit)	100 meter depth, 33° 39.25', 118° 21.26'
	RW-OS-3001 (R-WQ-3001 in the former permit)	10 meter depth, 33° 43.93', 118° 21.62'
	RW-OS-3002 (R-WQ-3002 in the former permit)	30 meter depth, 33° 43.34', 118° 21.79'
	RW-OS-3003 (R-WQ-3003 in the former permit)	60 meter depth, 33° 42.88', 118° 21.96'
	RW-OS-3004 (R-WQ-3004 in the former permit)	100 meter depth, 33° 42.06', 118° 22.28'

	RW-OS-3005 (R-WQ-3005 in the former permit)	100 meter depth, 33° 41.10', 118° 22.86'		
	RW-OS-3006 (R-WQ-3006 in the former permit)	100 meter depth, 33° 40.01', 118° 23.44'		
	RW-OS-3051 (R-WQ-3051 in the former permit)	13 meter depth, 33° 44.18', 118° 23.66'		
	RW-OS-3052 (R-WQ-3052 in the former permit)	30 meter depth, 33° 43.99', 118° 24.03'		
	RW-OS-3053 (R-WQ-3053 in the former permit)	60 meter depth, 33° 43.80', 118° 24.15'		
	RW-OS-3054 (R-WQ-3054 in the former permit)	100 meter depth, 33° 43.14', 118° 24.66'		
	RW-OS-3055 (R-WQ-3055 in the former permit)	100 meter depth, 33° 42.30', 118° 25.32'		
	RW-OS-3056 (R-WQ-3056 in the former permit)	100 meter depth, 33° 41.38', 118° 25.99'		
	RW-OS-3101 (R-WQ-3101 in the former permit)	10 meter depth, 33° 46.26', 118° 25.81'		
	RW-OS-3102 (R-WQ-3102 in the former permit)	30 meter depth, 33° 45.90', 118° 26.12'		
	RW-OS-3103 (R-WQ-3103 in the former permit)	60 meter depth, 33° 45.44', 118° 26.46'		
	RW-OS-3104 (R-WQ-3104 in the former permit)	100 meter depth, 33° 44.72', 118° 26.99'		
	RW-OS-3105 (R-WQ-3105 in the former permit)	100 meter depth, 33° 43.73', 118° 27.67'		
	RW-OS-3106 (R-WQ-3106 in the former permit)	100 meter depth, 33° 42.75', 118° 28.53'		
- Nearshore Light Energy Monitoring Stations (Figure 4)				
	RW-NS-L1 (R-WQ-L1 in the former permit)	Palos Verdes Point	33° 46.10'	118° 25.82'
	RW-NS-L2 (R-WQ-L2 in the former permit)	Long Point	33° 44.10'	118° 24.22'
	RW-NS-L3 (R-WQ-L3 in the former permit)	Portuguese Point	33° 44.09'	118° 22.67'
	RW-NS-L4 (R-WQ-L4 in the former permit)	Bunker Point	33° 43.42'	118° 21.11'
	RW-NS-L5 (R-WQ-L5 in the former permit)	Royal Palms	33° 42.84'	118° 19.90'
	RW-NS-L6 (R-WQ-L6 in the former permit)	West of Point Fermin	33° 42.36'	118° 18.56'
	RW-NS-L7 (R-WQ-L7 in the former permit)	Cabrillo Beach	33° 41.84'	118° 17.12'
- Bottom Stations for Benthic Sediments Monitoring (Figure 5)				
	RW-B-0A (R-B-0A in the former permit)	305 meter depth, 33° 49.10', 118° 27.25'		
	RW-B-0B (R-B-0B in the former permit)	152 meter depth, 33° 48.70', 118° 26.50'		
	RW-B-0C (R-B-0C in the former permit)	61 meter depth, 33° 48.43', 118° 25.83'		
	RW-B-0D (R-B-0D in the former permit)	30 meter depth, 33° 48.17', 118° 25.36'		
	RW-B-1A (R-B-1A in the former permit)	305 meter depth, 33° 44.72', 118° 26.99'		
	RW-B-1B (R-B-1B in the former permit)	152 meter depth, 33° 44.97', 118° 26.81'		
	RW-B-1C (R-B-1C in the former permit)	61 meter depth, 33° 45.44', 118° 26.46'		

	RW-B-1D (R-B-1D in the former permit)	30 meter depth, 33° 45.90', 118° 26.12'
	RW-B-2A (R-B-2A in the former permit)	305 meter depth, 33° 43.62', 118° 25.72'
	RW-B-2B (R-B-2B in the former permit)	152 meter depth, 33° 43.95', 118° 25.55'
	RW-B-2C (R-B-2C in the former permit)	61 meter depth, 33° 44.26', 118° 25.39'
	RW-B-2D (R-B-2D in the former permit)	30 meter depth, 33° 44.47', 118° 25.28'
	RW-B-3A (R-B-3A in the former permit)	305 meter depth, 33° 43.14', 118° 24.66'
	RW-B-3B (R-B-3B in the former permit)	152 meter depth, 33° 43.43', 118° 24.44'
	RW-B-3C' (R-B-3C in the former permit)	61 meter depth, 33° 43.80', 118° 24.15
	RW-B-3D (R-B-3D in the former permit)	30 meter depth, 33° 43.99', 118° 24.03'
	RW-B-4A (R-B-4A in the former permit)	305 meter depth, 33° 42.70', 118° 23.38'
	RW-B-4B (R-B-4B in the former permit)	152 meter depth, 33° 43.00', 118° 23.24'
	RW-B-4C (R-B-4C in the former permit)	61 meter depth, 33° 43.40', 118° 23.08'
	RW-B-4D (R-B-4D in the former permit)	30 meter depth, 33° 43.91', 118° 22.83'
	RW-B-5A (R-B-5A in the former permit)	305 meter depth, 33° 42.06', 118° 22.28'
	RW-B-5B (R-B-5B in the former permit)	152 meter depth, 33° 42.54', 118° 22.08'
	RW-B-5C (R-B-5C in the former permit)	61 meter depth, 33° 42.88', 118° 21.96'
	RW-B-5D (R-B-5D in the former permit)	30 meter depth, 33° 43.34', 118° 21.79'
	RW-B-6A (R-B-6A in the former permit)	305 meter depth, 33° 41.99', 118° 21.56'
	RW-B-6B (R-B-6B in the former permit)	152 meter depth, 33° 42.18', 118° 21.35'
	RW-B-6C (R-B-6C in the former permit)	61 meter depth, 33° 42.47', 118° 21.24'
	RW-B-6D (R-B-6D in the former permit)	30 meter depth, 33° 42.98', 118° 20.91'
	RW-B-7A (R-B-7A in the former permit)	305 meter depth, 33° 41.86', 118° 21.19'
	RW-B-7B (R-B-7B in the former permit)	152 meter depth, 33° 42.05', 118° 21.09'
	RW-B-7C (R-B-7C in the former permit)	61 meter depth, 33° 42.31', 118° 20.92'
	RW-B-7D (R-B-7D in the former permit)	30 meter depth, 33° 42.76', 118° 20.61'
	RW-B-8A (R-B-8A in the former permit)	305 meter depth, 33° 41.27', 118° 20.34'
	RW-B-8B (R-B-8B in the former permit)	152 meter depth, 33° 41.53', 118° 20.24'
	RW-B-8C (R-B-8C in the former permit)	61 meter depth, 33° 41.91', 118° 20.14'
	RW-B-8D (R-B-8D in the former permit)	30 meter depth, 33° 42.42', 118° 19.79'
	RW-B-9A (R-B-9A in the former permit)	305 meter depth, 33° 40.58', 118° 19.46'

	RW-B-9B (R-B-9B in the former permit)	152 meter depth, 33° 40.89', 118° 19.31'
	RW-B-9C (R-B-9C in the former permit)	61 meter depth, 33° 41.32', 118° 19.10'
	RW-B-9D (R-B-9D in the former permit)	30 meter depth, 33° 41.97', 118° 18.78'
	RW-B-10A (R-B-10A in the former permit)	305 meter depth, 33° 39.46', 118° 18.08'
	RW-B-10B (R-B-10B in the former permit)	152 meter depth 33° 39.73', 118° 17.90'
	RW-B-10C (R-B-10C in the former permit)	61 meter depth, 33° 40.11', 118° 17.81'
	RW-B-10D (R-B-10D in the former permit)	30 meter depth, 33° 41.60', 118° 17.34'
- Bottom Stations for Benthic Sediments Monitoring (Figure 5)		
	RW-BA-Z1 (R-BA-Z1 in the former permit)	**Outfall zone**: inshore of the 150 meter depth contour and between a line bearing 150° magnetic of White Point and a line bearing 180° magnetic off Bunker Point.
	RW-BA-Z2 (R-BA-Z2 in the former permit)	**Intermediate zone:** inshore of the 150 meter depth contour and between a line bearing 180° (true) off 33° 44.24' N. lat. 118° 22.50' W. long. (Portuguese Point) and a line bearing 270° (true) off 33° 44.80' N. lat. 118° 24.82' W. long.
	RW-BA-Z3 (R-BA-Z3 in the former permit)	**Distant zone:** inshore of the 150 meter depth contour and between a line bearing 225° magnetic off the southern face of Palos Verdes Point and a line bearing 235° magnetic off the south end of the Redondo Beach Pier.
- Bottom Stations for Fish and Invertebrate Monitoring (Trawl Sampling Stations) (Figure 6)		
	RW-T-T0/23 (Former R-T-T0/23)	23 meter depth, 33° 48.19', 118° 25.04' (trawl mid-point)
	RW-T-T0/61 (Former R-T-T0/61)	61 meter depth, 33° 48.57', 118° 25.84' (trawl mid-point)
	RW-T-T0/137 (Former R-T-T0/137)	137 meter depth, 33° 48.83', 118° 26.36' (trawl mid-point)
	RW-T-T0/305 (Former R-T-T0/305)	305 meter depth, 33° 49.23', 118° 27.09' (trawl mid-point)

	RW-T-T1/23 (Former R-T-T1/23)	26 meter depth, 33° 44.65', 118° 25.09' (trawl mid-point)
	RW-T-T1/61 (Former R-T-T1/61)	61 meter depth, 33° 44.16', 118° 25.23' (trawl mid-point)
	RW-T-T1/137 (Former R-T-T1/137)	137 meter depth, 33° 44.84', 118° 25.34' (trawl mid-point)
	RW-T-T1/305 (Former R-T-T1/305)	305 meter depth, 33° 43.55', 118° 25.64' (trawl mid-point)
	RW-T-T4/23 (Former R-T-T4/23)	27 meter depth, 33° 42.79', 118° 20.48' (trawl mid-point)
	RW-T-T4/61 (Former R-T-T4/61)	61 meter depth, 33° 42.33', 118° 20.92' (trawl mid-point)
	RW-T-T4/137 (Former R-T-T4/137)	137 meter depth, 33° 42.06', 118° 21.05' (trawl mid-point)
	RW-T-T4/305 (Former R-T-T4/305)	305 meter depth, 33° 42.00', 118° 21.49' (trawl mid-point)
	RW-T-T5/23 (Former R-T-T5/23)	23 meter depth, 33° 42.29', 118° 18.98' (trawl mid-point)
	RW-T-T5/61 (Former R-T-T5/61)	61 meter depth, 33° 41.45', 118° 19.31' (trawl mid-point)
	RW-T-T5/137 (Former R-T-T5/137)	137 meter depth, 33° 41.11', 118° 19.61' (trawl mid-point)
	RW-T-T5/305 (Former R-T-T5/305)	305 meter depth, 33° 40.85', 118° 19.85' (trawl mid-point)

Table 5. Shoreline Monitoring Stations

Station Type	Monitoring Location Name	Monitoring Location Description		
Shoreline Station	RW-SL-SB (Former R-M-SB)	Bluff Cove	~~33° 47.52'~~ N 33.7938°	~~118° 23.76'~~ W 118.4070°
Shoreline Station	RW-SL-SM (Former R-M-SM)	Malaga Cove	~~33° 48.22'~~ N 33.8034°	~~118° 24.44'~~ W 118.3959°
Shoreline Station	RW-SL-S1 (Former R-M-S1)	Long Point	~~33° 44.22'~~ N 33.7386°	~~118° 23.62'~~ W 118.3940°
Shoreline Station	RW-SL-S2 (Former R-M-S2)	Abalone Cove	~~33° 44.44'~~ N 33.7416°	~~118° 22.18'~~ W 118.3792°
Shoreline Station	RW-SL-S3 (Former R-M-S3)	Portuguese Bend	~~33° 44.02'~~ N 33.7362°	~~118° 21.40'~~ W 118.3602°
Shoreline Station	RW-SL-S5 (Former R-M-S5)	White Point	~~33° 43.12'~~ N 33.7177°	~~118° 19.35'~~ W 118.3220°
Shoreline Station	RW-SL-S6 (Former R-M-S6)	Wilder Addition Park	~~33° 42.59'~~ N 33.7098°	~~118° 17.95'~~ W 118.2990°
Shoreline Station	RW-SL-S7 (Former R-M-S7)	Cabrillo Beach	~~33° 42.50'~~ N 33.7092°	~~118° 16.86'~~ W 118.2831°