

US EPA ARCHIVE DOCUMENT

Comparison Table of Sanitary Survey Documents—Draft March 17, 2006

Documents included in the above tables:

1. Sanitary Survey for New York State Parks Bathing Beaches
2. Bathing Beach Sanitary Survey Risk Assessment Worksheet–New York State
3. City of Racine Health Department Beach Survey Form
4. EMB Beach Assessment Survey: Stony Brook State Park
5. Sanitary Survey Forms for Verifying Tier III Status
6. Atlantic County Health Department New Jersey Cooperative Coastal Monitory Program
7. Irvine
8. Minimum Requirements of the Sanitary Survey Report
9. Guidance Manual for Conducting Sanitary Surveys of Public Water Systems: Surface Water and Ground Water Under the Direct Influence

NOTE: All surveys requested similar general information, such as beach name, park name, location, water body, and name of person surveying. These are not included in the tables below.

Part 1: Beach Setting									
	1	2	3	4	5	6	7	8	9
1. Description of park uses around the beach	yes		yes	yes	yes		yes	yes	yes
Sources of pollution	yes								
Description of watershed	yes			yes					yes
Historical land Use	yes							yes	
Current land use	yes		yes	yes				yes	
Map of area (basic, detailed, topographic, or with locations of pollution sources, etc.)	yes			yes	yes		yes	yes	
Photographs									yes
2. Description of beach	yes		yes	yes	yes	yes	yes	yes	
Dimensions of waterbody				yes					
Beach length or dimensions				yes	yes				
Water level variation/hydrographic influences, dilution or mixing rate	yes	yes		yes					

Part 1: Beach Setting									
	1	2	3	4	5	6	7	8	9
Slope			yes		yes				
Tidal range					yes				
Bounding structures					yes				
Average water temperature			yes						
Average air temperature			yes						
Weather observations	yes	yes		yes		yes	yes	yes	
Wind speed and direction						yes			
Beach materials/sediments			yes		yes				
3. Information on sampling station			yes	yes			yes	yes	
Name of and distance to lab			yes						
Location or map of sampling station				yes				yes	
Description of sampling station				yes					
Time of sample collection						yes			
Review of sampling plan								yes	yes
Review of equipment maintenance or calibration procedures									yes
Description of hydrometric network							yes		
4. Bather load	yes		yes	yes	yes	yes		n/a	
Historical average	yes								
Current average			yes	yes	yes				
Peak	yes								
Seasonal average			yes		yes				
Holiday average			yes						
Weekend average			yes	yes					
Weekday average				yes					
Off-season average			yes						
Swimmer/bather ratio				yes					

Part 1: Beach Setting									
	1	2	3	4	5	6	7	8	9
Non-bather load (fishing, clamming, etc.)						yes			
5. Description of water resources	yes		yes	yes		yes			
Location/map of uses such as boat traffic, marinas, boat dockage, canoeing, fishing, etc.	yes								
Checklist of uses such as boating, fishing, surfing, windsurfing, diving, etc.									

Part 2: Beach Operation and Maintenance									
	1	2	3	4	5	6	7	8	9
1. Beach operation			yes	yes		yes			
Beach season dates				yes					
Description of clean up activities				yes					
Litter survey (percent cover for debris, algae, tar balls, oil, trash, grease, plastic, medical waste, wrack, etc.)			yes			yes			
2. Bacteriological monitoring	yes		yes	yes			yes		yes
Biological survey results (objectionable vegetation, algal blooms infectious snails, dangerous aquatic organisms, domestic animals)	yes								yes
Bacteria sample results (<i>e. coli</i> , enterococcus, fecal coliform, etc.)	yes		yes	yes		yes	yes		yes
Sample type				yes					

Part 2: Beach Operation and Maintenance									
	1	2	3	4	5	6	7	8	9
Analytical method									yes
Name of sampler				yes					
Name of lab				yes					
Sampling and notification procedures				yes					yes
3. Other water quality monitoring (results or sampling and notification procedures, records)	yes			yes		yes		yes	
Color, taste, odor, floatables, etc.	yes			yes					
Secchi disk results				yes					
DO				yes		yes			
Temperature				yes					
pH				yes		yes			
Rainfall				yes				yes	
Turbidity				yes					
Conductivity				yes					
Alkalinity				yes					
Ammonia						yes			
Nitrate						yes			
COD						yes			
Salinity							yes		
River discharge								yes	
Tides								yes	
Wet sampling				yes					
4. Samples taken from storm drains						yes			
5. Modeling	yes								

Part 3. Beach Water Quality									
	1	2	3	4	5	6	7	8	9
1. Bacterial data analysis (history of exceedances)	yes	yes		yes	yes				
2. Closings				yes					

Part 3. Beach Water Quality									
	1	2	3	4	5	6	7	8	9
3. Public comments or complaints				yes					
4. Results from other studies on water quality, previous sanitary surveys	yes			yes					yes
5. Rainfall history, effects on water quality		yes		yes			yes		
6. Potential pollution sources (risk factor, distance from beach, etc.)	yes	yes	yes	yes	yes	yes	yes	yes	
Wastewater dischargers		yes	yes	yes		yes	yes	yes	
Sewage overflows			yes	yes		yes	yes		
Septic systems		yes		yes					
Subsurface sewage disposal					yes				
Stormwater outfalls		yes	yes		yes	yes		yes	
Natural outfalls		yes							
CAFOs or AFOs		yes							
Wildlife		yes		yes	yes	yes		yes	
Agriculture runoff		yes		yes	yes		yes	yes	
Urban runoff, industrial waste		yes					yes	yes	
Marinas, harbors		yes	yes	yes					
Mooring boats		yes		yes					
Domestic animals				yes	yes	yes			
Unsewered areas				yes					
Erosion-prone areas				yes					
Landfills, open dumps				yes					
Ground water seepage					yes				
Bathhouse leakage				yes					
Drains and pipes nearby			yes		yes	yes			
Stream or wetland drainage			yes		yes	yes			
Vacant areas					yes				

Part 4: Description of Sanitary and Other Nearby Facilities

	1	2	3	4	5	6	7	8	9
1. Description of sanitary facility (number, condition and location of each item, distance from beach)	yes		yes	yes	yes				
Toilets	yes		yes						
Showers	yes								
Sinks	yes								
Water fountains	yes								
Changing area	yes								
Baby-changing area	yes								
Litter bins			yes						
2. Description of other facilities									
Restaurants			yes						
Bars			yes						
Designated bathing areas			yes						
Diving areas			yes						
Children's play area			yes						
Car parks			yes						
3. Other items on checklists									
Swim safety warnings			yes						
Lifeguards			yes						
5. Last major rehabilitation				yes					
6. Wastewater treatment system				yes					