

From: Christina Arias
To: Craig J. Wilson; Jack Petralia; Robin McCraw
Date: 8/30/02 4:16PM
Subject: Re: Approach for assessing bacterial standards

R9-
Bact. data re-eval.

Hi Craig,

Your summary of the recommendations of the workgroup looks like mine. However, I find one point that I think should be amended. The first bullet refers to the frequency of "water quality standards." In our meetings we were speaking in the context of DHS standards. However, since this is a State Board document, the word "standards" is no longer applicable, because the frequency of exceedances that we discussed was only referring to the numerical objectives. We decided not to use the presence of posting signs, because they are not equivalent to exceedances of water quality objectives, for the various reasons that were discussed. Essentially we are not addressing the loss of beneficial use when a sign is posted. Therefore we cannot use the word "standards." We should be using "objectives."

Have a great weekend!

>>> Craig J. Wilson 08/26/02 08:45AM >>>
Jack and Robin,

As we've discussed, many of the RWQCBs are reevaluating their recommendations for the 2002 section 303(d) list related to bacterial standards exceedances, beach postings, and beach closures.

Based on your written summary of the Monitoring and Reporting Subcommittee--Beach Water Quality Workgroup's recommendations, I have prepared the attached document that will ultimately go into our staff report that describes the our listing methodology (hence the past tense).

I would appreciate your review of the attached.

CJWilson
916.341.5560

CC: Deborah Jayne; Lisa McCann; Matt St. John; Pavlova Vitale; Renee DeShazo; Steve Moore

Analysis for beach data using Beach Water Quality Wgrip's recommendations - Region 8

Beach Name	Monitoring period	Season	Total No. Samples	No. Usable Samples	Total No. Exceedance Days	No. Usable Exceedance Days	p ("acceptable frequency")	Allowable No. Exceedance Days	Allowable Days using Confidence Limits	Result for time period assessed	Final Recommendation	Notes
San Mateo Creek outlet	8/15/99-10/25/99	dry	10	10	0	0	0.04	1	1	Do not List	Do not List	
San Mateo Creek outlet	2/22/00-10/31/00	mostly dry	40	36	5	2	0.04	2	2	Do not List	Do not List	
San Mateo Creek outlet	4/2/01-10/15/01	dry	24	24	0	0	0.04	1	1	Do not List	Do not List	
Bermuda Ave., Ocean Beach	7/24/99-10/25/99	dry	13	13	1	1	0.04	1	1	Do not List	Do not List	
Bermuda Ave., Ocean Beach	4/3/00-10/11/00	dry	24	21	3	3	0.04	1	1	List	List	
Bermuda Ave., Ocean Beach	4/17/01-10/25/01	dry	22	21	1	1	0.04	1	1	Do not List	Do not List	
Bermuda Ave., Ocean Beach	7/24/99-3/24/02	monthly or bimonthly in wet season	88	82	7	7	0.1	9	10	Do not List	Do not List	Difficult to ascertain which criteria is more appropriate (4% or 10%)
Kelllogg St.	10/25/99-4/4/00	dry	18	17	1	1	0.04	1	1	Do not List	Do not List	
Kelllogg St.	10/25/00-4/4/01	dry	35	33	1	1	0.04	2	2	Do not List	Do not List	
Kelllogg St.	10/29/01-3/25/99	dry	34	31	4	3	0.04	2	2	List	List	
Tidelands Park	10/27/99-3/22/00	dry	19	16	1	1	0.04	1	1	Do not List	List	
Tidelands Park	11/1/00-3/25/01	dry	50	33	6	6	0.04	2	2	List	List	
Tidelands Park	10/28/01-4/10/02	dry	55	33	10	7	0.04	2	2	List	List	
Tidelands Park	8/7/02-4/27/03	dry	20	16	2	2	0.04	1	1	List	List	
Shelter Island	10/25/99-3/23/00	dry	20	18	3	2	0.04	1	1	List	List	
Shoreline Park	11/3/00-4/4/01	dry	53	34	11	6	0.04	1	1	List	List	
Shoreline Park	8/8/02-1/4/03	year round	184	72	55	23	0.1	7	9	List	List	
Torrey Pines	11/22/00-4/5/01	year round	105	89	13	10	0.1	9	11	Do not List	Do not List	If not using C.L., result would be to List for time period assessed
Torrey Pines	11/18/01-4/3/02	dry	36	34	0	0	0.04	2	2	Do not List	Do not List	
Torrey Pines	8/6/02-11/20/03	dry	24	21	2	1	0.04	1	1	Do not List	Do not List	
South Capitano Beach at Beach Road	11/20/99-2/25/02	year round	252	171	46	31	0.1	17	20	List	List	
Baby Beach, Dana Point Harbor	3/30/99-2/26/02	year round	153	153	39	39	0.1	16	16	List	List	
1) West End	3/30/99-2/26/02	year round	153	153	52	52	0.1	16	16	List	List	
2) Buoy Line	3/30/99-2/26/02	year round	153	153	47	47	0.1	16	16	List	List	
3) Swim Area	3/30/99-2/26/02	year round	153	153	36	36	0.1	16	16	List	List	
4) East End	3/30/99-2/26/02	year round	153	153								

No Usable samples = total - adaptive sampling (re-sample due to sewage or other)

No Usable exceedance days = total exceedance days - adaptive sampling (re-sample due to sewage or other)

p "acceptable frequency" = frequency of exceedance expected due to background (10% for year round data, 4% for dry weather data)

Allowable number of exceedance days = number of exceedance days attributed to "background" conditions

Allowable number of exceedance days using confidence limits = allowable number of exceedance days using confidence limits

Result = specific to monitoring period

Recommendation = takes into consideration results from all monitoring periods

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