

National Health Protection Survey of Beaches–2000 Swimming Season

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Section 1: Program Information

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Date	Comp	leted
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IN	TERNET ACCESS EPA is encouraging respondents to contain the hard copy questionnaire, please comp	= =	lectronica	ally on the Internet. If you are completing the							
	I have Internet access now, but I chose not to use the electronic questionnaire.										
	I have internet access now, but I chose not to use the electronic questionnaire. I do not have Internet access.										
	I do not have Internet access. I expect to have Internet access within the next year and would prefer to complete next year's										
	questionnaire on the Internet.	vitiliti die next year and wor	uiu pieiei	to complete next year s							
	I expect to have Internet access within the next year but would not use it to complete next year's questionnaire.										
1.	Overall Responsibility What agency has overall responsibility	y for the swimming beaches	.?								
		_									
	Name of agency (no abbreviations ple	ase).		·							
			•								
	Did this agency have any designated s	_									
	Yes (If Yes, complete Questions	1-30 and return the survey i	n the bus	iness reply envelope)							
	No (If No, complete Question 2-2	3 only and return the survey	in the bu	usiness reply envelope)							
2.	Area What is your agency's jurisdiction? P State (entire)	lease check the one, most in	nclusive a	answer. Village							
	Region within a state (e.g., multip	ple counties)	J	National park							
	☐ District			State park							
	County or parish			County park							
	City			Other (please describe):							
	☐ Town										
3.	Respondent Please provide the following about the	person filling out this form									
	First Name:	Last Name:									
	Title:										
	Agency:										
	Address:										
	City:										
	State:	ZIP Code:									
	Phone:	Fax:									
	E-mail address:										

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4. Contacts

Who is (are) the contact person(s) for technical (monitoring, advisory, and/or closing) information and public inquiries pertaining to these beaches?

	Technical (monitoring, advisory, and/or closing) information: Same as Question 3?
(Yes No (Please provide information below)
]	First Name: Last Name:
•	Title:
4	Agency:
1	Phone:
5	Public inquiries: Same as Question 3? ☐ Yes ☐ No (Please provide information below)
F	First Name: Last Name:
7	Title:
A	Agency:
	Phone:
I	Standards Have recreational water quality standards for bacteria or other pathogens been established in this area? Yes Do No (If No, go to Question 7)
i	Standards Information Agencies typically use different types of recreational water quality standards (standards based on several samples, instantaneous standards, or preemptive standards). These standards may vary depending on whether they pertain to freshwater or marine water.
F	Please complete the tables on the following pages for the recreational water quality standards used by your agency: For freshwater go to page 3 For marine water go to page 4



Freshwater

	(e.g., geometric mean)	many samples? (must be >1)	what time period? (e.g., 30 days)			
Standard Based on Averaging Period: Density of indicator, based on several samples collect during a specific period, above which risk to human health may be considered unacceptable.						
			vhich risk to			
-						
nches of rain	fall; include depth and o	luration, if applicable	s):			
other, such as	river flows, presence of	f debris on beach):				
	·					
	rd: Density human h	during a specific health may be considered: Density of indicator, for any single human health may be considered and the considered are the considered and the considered are the considered and the considered are the consid	during a specific period, above which health may be considered unacceptable			



Marine Water

Indicator	Density per 100 mL	Based on what statistical measure? (e.g., geometric mean)	Based on how many samples? (must be >1)	Taken within what time period? (e.g., 30 days)		
Standard Based on Averaging Period: Density of indicator, based on several samples collected during a specific period, above which risk to human health may be considered unacceptable.						
Total coliforms						
Fecal coliforms						
E. coli						
Enterococci						
Other (please specify):						
	_					
Instantaneous Standar		of indicator, for any sinealth may be considered		which risk to		
Total coliforms						
Fecal coliforms						
E. coli						
Enterococci						
Other (please specify):						
Preemptive Standard (i	nches of rain	fall; include depth and o	duration, if applicable	e):		
Preemptive Standard (c	other, such as	river flows, presence o	f debris on beach):			
				·		



•		Has a program of beach water quality monitoring for bacteria or other pathogens been established in this area?
		Yes No (If No, go to Question 10)
	В.	Approximately how many miles of beach in this jurisdiction were monitored during 2000 (combined total for all beaches)? Please provide a single number, if possible, instead of a range or "<" or ">".
		Miles
8.	Wh	positoring Procedures that is the procedure for reporting the results of the beach water quality monitoring tests? eck all that apply: Provide results to internal agency staff for evaluation Provide results to different agency staff for evaluation Notify owner/manager/operator/lifeguards of results Post results at beach Provide results on hotline/water quality information/results phone line Have results announced on local radio station Have results announced on local TV station Publish results in local newspaper Post results on the Internet
	_	
		Provide results to anyone on request
		Other (please specify):
9.	Ате	rgeted Monitoring be beaches with a history of contamination problems or high-use beaches that are suspected of contamination nitored more or less frequently than others?
		More
10.	A.	visory/Closing Program Are the beaches in this area covered by an advisory/closing program? (Include bacterial contamination, oil spills, debris, resuspended sediments, algae blooms, or fish kills, but not electrical storms or high winds.) Yes No (If No, go to Question 18) Are the advisory and closing programs separate or combined? Combined (answer Questions 11–17 where "Combined" is indicated) Separate (answer Questions 11–17 where "Advisory Only" and "Closing Only" are indicated)
		Separate (answer Questions 11–17 where "Advisory Only" and "Closing Only" are indicated)



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7			ation Authority determine when a beach advisory or closing is needed?	/
-	d Advisory/Clos	-	•	
	-	•		
First Nam	Last Name:			
Phone:				
Closing C	Only			
Name of A	Agency:			
First Nam	ie:		Last Name:	
Phone:				
12. Advisory	/Closing Det	termina	tion Procedures	
_	-		an advisory/closing determination for this area?	
Please che	ck all that apply	y:		
Combined o	or <u>Sep</u> a	<u>rate</u>		
	Advisory	Closin	g	
	Only	Only	Compare bacterial concentrations with water quality standards to	
			determine whether standards are exceeded	
	ū		Perform water quality modeling	
			Assess risks to potential swimmers	
	Q		Discuss situation with other agencies	
Q .	ت		Assess number of complaints of sickness	
0			Perform a precautionary closing in response to hazardous discharges	
		ū	Compare conditions to preemptive closing criteria	
			Other (please specify):	
I			Combined	
			Advisory Only	
			Closing Only	
				· · · · · · · · · · · · · · · · · · ·
	Closing Issu		authority ach advisories or closings?	
	ation is same as			
☐ Yes		-	provide information below)	
Combined	Advisory/Closis	•		
	-	_		
First Name	:		Last Name:	
Title:				
Phone:				
Closing Or	ıly			
Name of A	gency:			
First Name	::		Last Name:	
Title:				
		_		

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14. Advisory/Closing Issuance Procedures

What is the procedure for issuing beach advisories or closings in this area? Please check all that apply:

Combined	or <u>Sep</u> a	<u>rate</u>		
	Advisory	Closin		
	Only	Only	Provide announcement to internal agency staff	
ā		ū	Provide announcement to other government agency(ies)	
		ū	Notify owner/manager/operator/lifeguards of results	
		Ö	Post advisory or closing at the beach	
٥		<u> </u>	Provide results on hotline/water quality information/result phone line	
0		<u> </u>		
		0	Have advisory or closing announced on local radio station	
0			Have advisory or closing announced on local TV station Publish advisory or closing in local newspaper	
<u>,</u>		0		
		<u> </u>	Post advisory or closing on the Internet	
	_		Physically isolate contaminated area (e.g., block access, fence off area)	
	٥		Other (please specify):	
			Combined	
			Advisory Only	
	_		Closing Only	
15. Advisory	//Closing Not	ificatio	en e	
_			after beach water quality monitoring test results are obtained and an advisory or	
closing is	issued?			
Combined o				
	Advisory Only	Closing Only	g	
			Within 1 hour	
			Generally within 24 hours	
			Generally within 24–72 hours	
_	_	ū	More than 72 hours later	
_	_	_		
			Variable	
16 Advisory	/Closing Red	nenind	Authority	
	-	-	eopen a beach or lift an advisory?	
	ation is same as		·	
☐ Yes	☐ No (If N	io, please	provide information below)	
Combined	Advisory/Closi	-		
	•	_		
First Name	e:		Last Name:	
Phone:	-	_		
Closing O				
•	-			
			Last Name:	
			Last Name.	
Phone:	_	_		
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17. Advisory/Closing Reopening Procedures

What is the procedure for reopening a closed beach or lifting an advisory? Please check all that apply:

Combined	or	<u>Sepa</u>				
		Advisory Only	Closin Only			
٥				Resample and compare bacterial concentrations with water quality standards to determine whether levels are below standards		
				Assess risks to potential swimmers		
				Discuss situation with other agencies		
				Assess number of complaints of sickness		
				Reopen after a set number of days following rainfall		
<u>a</u>				Provide announcement to agency staff		
				Provide announcement to local government staff		
ū				Notify owner/manager/operator/lifeguards of results		
				Post announcement at the beach		
ū				Provide results on hotline/water quality information/result phone line		
				Have reopening announced on local radio station		
O				Have reopening announced on local TV station		
			O.	Publish reopening in local newspaper		
	1			Post reopening on the Internet		
				Remove physical barriers set when closed		
			ū	Other (please specify):		
				Combined		
				Advisory Only		
				Closing Only		

18. Program Cost

What is the annual cost of the beach program in your area? If your monitoring program costs cannot be separated from your advisory/closing program costs, provide the combined costs under "Combined." If your program costs can be separated, provide cost information under "Separate." If the exact amount is known, please include it. If exact costs are unknown, please check ONE of the following choices in the appropriate column(s):

		or	<u>Sepa</u>	<u>ırate</u>	
	Monitoring, Advisory, and Closing		Monitoring Only	Advisory and Closing	
Actual	\$		\$	\$	
Estimate	d 🗀			٦	Less than \$2,500 per year
					\$2,500\$9,999 per year
					\$10,000-\$49,999 per year
	Qi .				\$50,000-\$99,999 per year
	J				\$100,000-\$250,000 per year
	□ □	i	J	Ţ	More than \$250,000 per year
	=		3)	Don't know
		ı	J)	Not available
union No. 1	OOYYY For		pproved OMP C	Control No. 204	0.0190 Approval expires 1/21/2002

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19. Guidance

issu	
	ase check all that apply and provide document information, including complete titles, if possible:
<u> </u>	Standards
	e
1880	ed by
	Monitoring
Titl	e
Issu	ed by
	Risk Assessment
Title	e
	ed by
	Other (please specify)
Title	·
	ed by
	te Availability
	our agency provides information on programs or activities for swimming beaches on an Internet web site, playing the URL. (A link will be established from EPA's BEACH Watch web site to your web site.)
prov	our agency provides information on programs or activities for swimming beaches on an Internet web site, placed the URL. (A link will be established from EPA's BEACH Watch web site to your web site.) Agency-related Information (agency operations, water quality standards, and advisories issued) http://
prov	vide the URL. (A link will be established from EPA's BEACH Watch web site to your web site.) Agency-related Information (agency operations, water quality standards, and advisories issued)
	Agency-related Information (agency operations, water quality standards, and advisories issued) http:// Monitoring Data (water quality and pathogen indicator measurements)
prov	Agency-related Information (agency operations, water quality standards, and advisories issued) http:// Monitoring Data (water quality and pathogen indicator measurements) http:// General and Tourist-related Information (such as maps, photographs, and daily beach operations)
prov	Agency-related Information (agency operations, water quality standards, and advisories issued) http:// Monitoring Data (water quality and pathogen indicator measurements) http:// General and Tourist-related Information (such as maps, photographs, and daily beach operations) http:// Real-Time Monitoring/Advisory and Closing Information
Dat Doe	Agency-related Information (agency operations, water quality standards, and advisories issued) http:// Monitoring Data (water quality and pathogen indicator measurements) http:// General and Tourist-related Information (such as maps, photographs, and daily beach operations) http:// Real-Time Monitoring/Advisory and Closing Information http:// http:// Real-Time Monitoring/Advisory and Closing Information
Dat Does	Agency-related Information (agency operations, water quality standards, and advisories issued) http:// Monitoring Data (water quality and pathogen indicator measurements) http:// General and Tourist-related Information (such as maps, photographs, and daily beach operations) http:// Real-Time Monitoring/Advisory and Closing Information http:// by or Coverage Availability s your agency or another agency have a mapping program that identifies the location(s) of beach(es) in your acry's jurisdiction? (If Yes, please provide information below)
Date Does	Agency-related Information (agency operations, water quality standards, and advisories issued) http:// Monitoring Data (water quality and pathogen indicator measurements) http:// General and Tourist-related Information (such as maps, photographs, and daily beach operations) http:// Real-Time Monitoring/Advisory and Closing Information http:// by or Coverage Availability syour agency or another agency have a mapping program that identifies the location(s) of beach(es) in your cry's jurisdiction? (If Yes, please provide information below) Yes
Dat Does	Agency-related Information (agency operations, water quality standards, and advisories issued) http:// Monitoring Data (water quality and pathogen indicator measurements) http:// General and Tourist-related Information (such as maps, photographs, and daily beach operations) http:// Real-Time Monitoring/Advisory and Closing Information http:// by our agency or another agency have a mapping program that identifies the location(s) of beach(es) in your cy's jurisdiction? (If Yes, please provide information below) Yes
Date Does agen	Agency-related Information (agency operations, water quality standards, and advisories issued) http:// Monitoring Data (water quality and pathogen indicator measurements) http:// General and Tourist-related Information (such as maps, photographs, and daily beach operations) http:// Real-Time Monitoring/Advisory and Closing Information http:// by or Coverage Availability syour agency or another agency have a mapping program that identifies the location(s) of beach(es) in your cry's jurisdiction? (If Yes, please provide information below) Yes





Section 2: Beach-Specific Information

Please fill in the following information for each beach within your jurisdiction. Each page should represent one beach location. Make additional copies of pages 11-13 to write the answers for each beach.

(Note: Responses pertain to the 2000 swimming season.)

N	ame of Beach							
No	earest City or Town							
20 A.	Beach location	Name of waterbody						
	Please choose <i>one box</i> to describe the location of your beach.	A. Atlantic Ocean - Open Coast Atlantic Ocean - Sound, Bay, or Inlet Pacific Ocean - Open Coast Pacific Ocean - Sound, Bay, or Inlet Gulf of Mexico - Open Coast Gulf of Mexico - Sound, Bay, or Inlet Great Lakes - Open Coast Great Lakes - Open Coast Inland Waterbody - River or Stream Inland Waterbody - Lake Inland Waterbody - Pond Other, please specify						
В.	Type of water	B. Freshwater Estuarine Saltwater						
C.	Length of beach	C Miles						
D.	Latitude and longitude (if known)	D. Latitude° "N or "N Longitude "W or "W						
E.	Public/private beach?	E. D Public D Private D Both (public and private)						
21 _A .	Approximately how many people (on average) would you estimate use this beach per day?	A. Use the categories to indicate your estimate for each of the following times of year. Choose one from: (A) less than 100 (C) 500-999 (E) More than 10,000 (B) 100-499 (D) 1,000-9,999 (F) Don't know Weekday: During the peak season During other seasons Weekend Day: During the peak season During other seasons Holiday Day: During the peak season During other seasons						
В.	What percentage of people who use this beach go into the water (e.g., swimming, sportfishing)? If unknown, is there another source for this information?	B % go into the water. Unknown Source						
the	re there any sources of pollution that are in e vicinity of this beach or might affect the ach?	Yes No (If No or Unknown, go to Question 24) Unknown						
What sources of pollution might affect this beach?		Select all that apply from the following list: Combined sewer overflow (CSO) Sanitary sewer overflow (SSO) Publicly owned treatment works (POTW) Septic systems Break in pipes Unknown Other (please specify)						



4	To B B								
J	Is beach water quality monitoring for bacteria		Yes	s N	umber	of miles:			
0	or other pathogens performed at this beach? If Yes, how many miles of beach are monitored?) Mil	es unknown			
,	res, now many mines of beach are mountored:		No	(If No	go to	Question 28)			
5	A. Who performs the water quality monitor-	Α.	Sal	or ON	F from	the followin	e liet:		
43	ing for this beach?	n.			-	ine jouowing	; 	,	Dutcida Inharatan
					agency ner age	T.O.V	ä		Outside laboratory Citizens
			0		_	or agency			Other (please specify):
			_	Conu	actor i	or agency			outer (prease specify).
		If response is not "This agency," please specify name and/or agency and address:							
_			_					-	
В	B. May a beach be closed based on citizens' monitoring of beach water quality?	В.	U	Yes		No			
ij A	A. How frequently are samples collected at	A.	Sele	ct ON	E from	the following	g list:		
	this beach for analysis of bacterial			Once	a mont	h)	Twice a week
	densities during the swimming season?			Once	every t	wo weeks	_	3	Three or more times a week
					a week		_	3	Daily
				Other	(please	e specify)			
В	3. Based on the water quality standards for this beach, how many times were criteria exceeded during the 2000 swimming season?	В.	_		tim	es		•	
C	C. Number of months in the swimming season:	C.	_		mont	hs			
a	f the bacterial testing results indicate that applicable bacterial standards are exceeded, is the beach closed or an advisory issued?	00	Yes Son	etimes	, deper	No nding on the		ces (ly (please specify)
A	. Was this beach closed for the entire year of 2000 as a result of pollution?		<u> </u>	Yes	0	No			
В.	If yes, what is the frequency of monitoring?	В.		Once	a monti				Twice a week
В	. If yes, what is the frequency of monitoring?	В.	_	Once o	a monti every t a week	h wo weeks))	Twice a week Three or more times a week Daily
	 If yes, what is the frequency of monitoring? Was this beach closed for the entire year of 2000 as a result of high water or insufficient funds? 	c.	0000 0	Once : Once : Once : Other	a monti every to a week (please	h wo weeks specify) No))	Three or more times a week Daily
C.	. Was this beach closed for the entire year of 2000 as a result of high water or	C. If Ye	O O O O O O O O O O O O O O O O O O O	Once: Once: Once: Other Yes ease sp	a monti every to a week (please	h wo weeks : specify) No))	Three or more times a week Daily
C.	 Was this beach closed for the entire year of 2000 as a result of high water or insufficient funds? What programs are under way to improve conditions at the beach? 	C. If Ye	Des, pl	Once: Once: Once: Other Yes ease sp	a month every to a week (please cecify:	h wo weeks specify) No rograms:))	Three or more times a week Daily
C.	2. Was this beach closed for the entire year of 2000 as a result of high water or insufficient funds? 2. What programs are under way to improve conditions at the beach? Was an advisory or closing issued for this beach	C. If Ye D.	Plea	Once Once Once Other Yes ease spase des	a month every to a week (please cecify: cribe p	h wo weeks specify) No rograms: No) }	Three or more times a week Daily
C.	 Was this beach closed for the entire year of 2000 as a result of high water or insufficient funds? What programs are under way to improve conditions at the beach? 	C. If You D. If Note answer	Pleases, pl	Once Once Once Once Other Yes ease spase des	a month every to a week (please cribe pi cribe pi one with	No h the question	ns for this b	beac	Three or more times a week Daily



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On the Answer Table below, list the dates (start-end) of the advisories and closings during 2000, using the format shown in the examples. Specify the reason(s), source(s), and indicator type(s) for each advisory/posting or closing.

Note: If you have more than 20 advisories or closings, you will need to copy this table. For the purposes of this survey, an advisory (or posting) is defined as a warning issued when a bacteriological standard is exceeded.

- A. Use these numbers for the reason(s) why the advisories or closings were implemented. Select all that apply from the following list:
 - (1) Preemptive
- (2) Sewage
- (3) Elevated bacteria levels
- (4) Other types of pollution
- (5) Rain

- (6) Other (please specify)
- B. Use these numbers for the source(s) that resulted in advisories or closings. Select all that apply from the following list:
 - (1) CSO
- (4) Septic systems
- (7) Storm water
- (10) Wildlife

- (2) SSO
- (5) Break in pipeline
- (8) Runoff
- (11) Other (please specify)

- (3) POTW
- (6) Boat discharges
- (9) Unknown
- C. Use these numbers for the indicator type(s) used to close a beach or issue an advisory. Select all that apply from the following
 - (1) Preemptive

- (2) Enterococci (3) Total coliform (4) Fecal coliform (5) E. coli
- (6) Total/Fecal ratio

(7) Other (please specify)

Answer Table

Advisory (Posting) or Closing	Start Date (mm/dd/yyyy)	End Date (mm/dd/yyyy)	Total number of days posted	Is this part of a general or area- wide advisory or closing? (yes or no)	Does this advisory or closing affect adjacent beaches? (yes or no)	Percent of this beach affected	Reason(s) (use numbers from 30A above)	Source(s) (use numbers from 30B above)	Indicator type(s) used to close or issue an advisory (use numbers from 30C above)
Advisory	08/05/2000	08/08/2000	3	no	yes	25	2	1,2,5,10	2,3
Closing	03/04/2000	03/07/2000	3	yes	yes	30	2,3	1,2,5	2,3
				_					
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Burden Statement

The public reporting and recordkeeping burden for this collection of information is estimated to average 2.4 hours per response annually. Burden means total time, effort, or financial resources expended by persons to generate, maintain, retain, or disclose or provide information to or for a Federal agency. This includes the time needed to review instructions; develop, acquire, install, and utilize technology and systems for the purposes of collecting, validating, and verifying information, processing and maintaining information, and disclosing and providing information; adjust the existing ways to comply with any previously applicable instructions and requirements; train personnel to be able to respond to a collection of information; search data sources; complete and review the collection of information; and transmit or otherwise disclose the information. For this survey, the burden includes the time needed to review instructions, make copies of the beach-specific questions and Answer Table for each beach, gather the information needed to complete the questionnaire, fill in the answers to the questions, and mail the questionnaire back to EPA. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The OMB control numbers for EPA's regulations are listed in 40 CFR Part 9 and 48 CFR Chapter 15.

Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques, to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822), 401 M Street, SW, Washington, DC 20460; and to the Office of Information and Regulatory Affairs, Office of Management and Budget, 725 17th Street, NW, Washington, DC 20503, Attention: Desk officer for EPA. Include the EPA ICR number and OMB control number in any correspondence. Do not send the completed survey to this address.

U.S. EPA Headquarters Library Mail code 3201 1200 Pennsylvania Avenue NW Washington DC 20460

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