

## *Appendix F*

### *Contact Recreation Program Bacteria Data 2002-2003 & Criteria Violations*

# 2002 OHIO RIVER BACTERIA SAMPLING

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MILEPOINT	STATION	DATE	FECAL COLIFORM	E. COLL.	
1.4R	PITTSBURGH	02-May-02	2,900	2,400	EXCEEDS
1.4R	PITTSBURGH	07-May-02	120	28	
1.4R	PITTSBURGH	16-May-02	1,500	900	EXCEEDS
1.4R	PITTSBURGH	21-May-02	370	660	EXCEEDS
1.4R	PITTSBURGH	28-May-02	34,000	27,000	EXCEEDS
GEOMETRIC MEAN			1,457	1,015	EXCEEDS
1.4M	PITTSBURGH	02-May-02	3,100	2,000	EXCEEDS
1.4M	PITTSBURGH	07-May-02	112	20	
1.4M	PITTSBURGH	16-May-02	110	110	
1.4M	PITTSBURGH	21-May-02	270	4,900	EXCEEDS
1.4M	PITTSBURGH	28-May-02	66	84	
GEOMETRIC MEAN			233	283	EXCEEDS
1.4L	PITTSBURGH	02-May-02	1,800	1,300	EXCEEDS
1.4L	PITTSBURGH	07-May-02	290	40	
1.4L	PITTSBURGH	16-May-02	1,300	1,300	EXCEEDS
1.4L	PITTSBURGH	21-May-02	2,100	1,300	EXCEEDS
1.4L	PITTSBURGH	28-May-02	190	71	
GEOMETRIC MEAN			770	362	EXCEEDS
4.3	PITTSBURGH	02-May-02	2,000	1,600	EXCEEDS
4.3	PITTSBURGH	07-May-02	92	20	
4.3	PITTSBURGH	16-May-02	1,500	1,500	EXCEEDS
4.3	PITTSBURGH	21-May-02	900	730	EXCEEDS
4.3	PITTSBURGH	28-May-02	88	86	
GEOMETRIC MEAN			466	313	EXCEEDS
1.4R	PITTSBURGH	04-Jun-02	1,200	909	EXCEEDS
1.4R	PITTSBURGH	11-Jun-02	520	4	EXCEEDS
1.4R	PITTSBURGH	18-Jun-02	3,100	800	EXCEEDS
1.4R	PITTSBURGH	25-Jun-02	370	214	
1.4R	PITTSBURGH	27-Jun-02	148	32	
GEOMETRIC MEAN			638	115	EXCEEDS
1.4M	PITTSBURGH	04-Jun-02	700	440	EXCEEDS
1.4M	PITTSBURGH	11-Jun-02	450	4	EXCEEDS
1.4M	PITTSBURGH	18-Jun-02	1,200	590	EXCEEDS
1.4M	PITTSBURGH	25-Jun-02	410	380	EXCEEDS
1.4M	PITTSBURGH	27-Jun-02	124	80	
GEOMETRIC MEAN			454	126	EXCEEDS
1.4L	PITTSBURGH	04-Jun-02	530	300	EXCEEDS
1.4L	PITTSBURGH	11-Jun-02	440	4	EXCEEDS
1.4L	PITTSBURGH	18-Jun-02	2,300	1,200	EXCEEDS
1.4L	PITTSBURGH	25-Jun-02	440	240	EXCEEDS
1.4L	PITTSBURGH	27-Jun-02	164	44	
GEOMETRIC MEAN			522	109	EXCEEDS
4.3	PITTSBURGH	04-Jun-02	620	490	EXCEEDS
4.3	PITTSBURGH	11-Jun-02	590	4	EXCEEDS
4.3	PITTSBURGH	18-Jun-02	1,900	620	EXCEEDS
4.3	PITTSBURGH	25-Jun-02	250	96	
4.3	PITTSBURGH	27-Jun-02	290	96	
GEOMETRIC MEAN			550	102	EXCEEDS

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MILEPOINT	STATION	DATE	FECAL COLIFORM	E. COLL.	
1.4R	PITTSBURGH	02-Jul-02	160	180	
1.4R	PITTSBURGH	09-Jul-02	57	40	
1.4R	PITTSBURGH	16-Jul-02	54	43	
1.4R	PITTSBURGH	23-Jul-02	390	69	
1.4R	PITTSBURGH	30-Jul-02	8,200	2,800	EXCEEDS
GEOMETRIC MEAN			275	143	EXCEEDS
1.4M	PITTSBURGH	02-Jul-02	809	160	EXCEEDS
1.4M	PITTSBURGH	09-Jul-02	49	36	
1.4M	PITTSBURGH	16-Jul-02	49	20	
1.4M	PITTSBURGH	23-Jul-02	270	128	
1.4M	PITTSBURGH	30-Jul-02	11,300	4,400	EXCEEDS
GEOMETRIC MEAN			359	145	EXCEEDS
1.4L	PITTSBURGH	02-Jul-02	370	96	
1.4L	PITTSBURGH	09-Jul-02	36	36	
1.4L	PITTSBURGH	16-Jul-02	63	12	
1.4L	PITTSBURGH	23-Jul-02	230	176	
1.4L	PITTSBURGH	30-Jul-02	5,700	3,500	EXCEEDS
GEOMETRIC MEAN			256	121	EXCEEDS
4.3	PITTSBURGH	02-Jul-02	156	77	
4.3	PITTSBURGH	09-Jul-02	43	44	
4.3	PITTSBURGH	16-Jul-02	66	20	
4.3	PITTSBURGH	23-Jul-02	470	228	EXCEEDS
4.3	PITTSBURGH	30-Jul-02	1,100	1,300	EXCEEDS
GEOMETRIC MEAN			187	115	
1.4R	PITTSBURGH	01-Aug-02	320	216	
1.4R	PITTSBURGH	06-Aug-02	9,700	3,400	EXCEEDS
1.4R	PITTSBURGH	13-Aug-02	927	1,200	EXCEEDS
1.4R	PITTSBURGH	20-Aug-02	1,300	718	EXCEEDS
1.4R	PITTSBURGH	27-Aug-02	827	390	EXCEEDS
GEOMETRIC MEAN			1,253	756	EXCEEDS
1.4M	PITTSBURGH	01-Aug-02	217	92	
1.4M	PITTSBURGH	06-Aug-02	7,900	2,100	EXCEEDS
1.4M	PITTSBURGH	13-Aug-02	1,000	800	EXCEEDS
1.4M	PITTSBURGH	20-Aug-02	1,200	370	EXCEEDS
1.4M	PITTSBURGH	27-Aug-02	782	270	EXCEEDS
GEOMETRIC MEAN			1,100	434	EXCEEDS
1.4L	PITTSBURGH	01-Aug-02	290	184	
1.4L	PITTSBURGH	06-Aug-02	10,700	1,900	EXCEEDS
1.4L	PITTSBURGH	13-Aug-02	1,500	800	EXCEEDS
1.4L	PITTSBURGH	20-Aug-02	1,100	430	EXCEEDS
1.4L	PITTSBURGH	27-Aug-02	609	410	EXCEEDS
GEOMETRIC MEAN			1,255	548	EXCEEDS
4.3	PITTSBURGH	01-Aug-02	250	132	
4.3	PITTSBURGH	06-Aug-02	13,300	5,600	EXCEEDS
4.3	PITTSBURGH	13-Aug-02	1,100	1,300	EXCEEDS
4.3	PITTSBURGH	20-Aug-02	270	220	
4.3	PITTSBURGH	27-Aug-02	770	260	EXCEEDS
GEOMETRIC MEAN			947	560	EXCEEDS

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1.4R	PITTSBURGH	03-Sep-02	690	204	EXCEEDS
1.4R	PITTSBURGH	10-Sep-02	28	16	
1.4R	PITTSBURGH	17-Sep-02	1,300	1,300	EXCEEDS
1.4R	PITTSBURGH	19-Sep-02	2,700	1,300	EXCEEDS
1.4R	PITTSBURGH	26-Sep-02	144	88	
GEOMETRIC MEAN			396	217	EXCEEDS
1.4M	PITTSBURGH	03-Sep-02	246	63	
1.4M	PITTSBURGH	10-Sep-02	20	20	
1.4M	PITTSBURGH	17-Sep-02	1,800	510	EXCEEDS
1.4M	PITTSBURGH	19-Sep-02	2,300	1,600	EXCEEDS
1.4M	PITTSBURGH	26-Sep-02	112	76	
GEOMETRIC MEAN			296	151	EXCEEDS
1.4L	PITTSBURGH	03-Sep-02	270	92	
1.4L	PITTSBURGH	10-Sep-02	60	12	
1.4L	PITTSBURGH	17-Sep-02	2,400	900	EXCEEDS
1.4L	PITTSBURGH	19-Sep-02	891	682	EXCEEDS
1.4L	PITTSBURGH	26-Sep-02	48	48	
GEOMETRIC MEAN			278	127	EXCEEDS
4.3	PITTSBURGH	03-Sep-02	410	88	EXCEEDS
4.3	PITTSBURGH	10-Sep-02	48	16	
4.3	PITTSBURGH	17-Sep-02	1,400	570	EXCEEDS
4.3	PITTSBURGH	19-Sep-02	570	540	EXCEEDS
4.3	PITTSBURGH	26-Sep-02	12	12	
GEOMETRIC MEAN			180	88	
1.4R	PITTSBURGH	01-Oct-02	183	80	
1.4R	PITTSBURGH	08-Oct-02	108	60	
1.4R	PITTSBURGH	15-Oct-02	1,000	590	EXCEEDS
1.4R	PITTSBURGH	22-Oct-02	320	148	
1.4R	PITTSBURGH	29-Oct-02	2,100	973	EXCEEDS
GEOMETRIC MEAN			421	210	EXCEEDS
1.4M	PITTSBURGH	01-Oct-02	100	80	
1.4M	PITTSBURGH	08-Oct-02	136	60	
1.4M	PITTSBURGH	15-Oct-02	1,900	691	EXCEEDS
1.4M	PITTSBURGH	22-Oct-02	300	120	
1.4M	PITTSBURGH	29-Oct-02	1,700	500	EXCEEDS
GEOMETRIC MEAN			421	182	EXCEEDS
1.4L	PITTSBURGH	01-Oct-02	112	68	
1.4L	PITTSBURGH	08-Oct-02	120	69	
1.4L	PITTSBURGH	15-Oct-02	2,300	1,100	EXCEEDS
1.4L	PITTSBURGH	22-Oct-02	645	510	EXCEEDS
1.4L	PITTSBURGH	29-Oct-02	1,200	1,100	EXCEEDS
GEOMETRIC MEAN			474	311	EXCEEDS
4.3	PITTSBURGH	01-Oct-02	51	60	
4.3	PITTSBURGH	08-Oct-02	16	12	
4.3	PITTSBURGH	15-Oct-02	320	148	
4.3	PITTSBURGH	22-Oct-02	290	240	
4.3	PITTSBURGH	29-Oct-02	1,700	1,930	EXCEEDS
GEOMETRIC MEAN			167	138	EXCEEDS

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MILEPOINT	STATION	DATE	FECAL COLIFORM	E. COLL.	
86.8	WHEELING	02-May-02	891	250	EXCEEDS
86.8	WHEELING	07-May-02	600	200	EXCEEDS
86.8	WHEELING	16-May-02	1,800	1,600	EXCEEDS
86.8	WHEELING	21-May-02	4,600	1,700	EXCEEDS
86.8	WHEELING	28-May-02	112	71	
GEOMETRIC MEAN			869	395	EXCEEDS
91.4	WHEELING	02-May-02	2,600	480	EXCEEDS
91.4	WHEELING	07-May-02	755	330	EXCEEDS
91.4	WHEELING	16-May-02	2,000	1,000	EXCEEDS
91.4	WHEELING	21-May-02	2,400	370	EXCEEDS
91.4	WHEELING	28-May-02	440	390	EXCEEDS
GEOMETRIC MEAN			1,329	470	EXCEEDS
92.8	WHEELING	02-May-02	1,000	470	EXCEEDS
92.8	WHEELING	07-May-02	430	229	EXCEEDS
92.8	WHEELING	16-May-02	800	709	EXCEEDS
92.8	WHEELING	21-May-02	2,000	600	EXCEEDS
92.8	WHEELING	28-May-02	189	140	
GEOMETRIC MEAN			665	364	EXCEEDS
86.8	WHEELING	04-Jun-02	146	40	
86.8	WHEELING	11-Jun-02	520	350	EXCEEDS
86.8	WHEELING	18-Jun-02	1,600	260	EXCEEDS
86.8	WHEELING	25-Jun-02	128	214	
86.8	WHEELING	27-Jun-02	200	66	
GEOMETRIC MEAN			315	139	EXCEEDS
91.4	WHEELING	04-Jun-02	16,400	3,600	EXCEEDS
91.4	WHEELING	11-Jun-02	764	400	EXCEEDS
91.4	WHEELING	18-Jun-02	855	470	EXCEEDS
91.4	WHEELING	25-Jun-02	1,300	1,100	EXCEEDS
91.4	WHEELING	27-Jun-02	490	4,500	EXCEEDS
GEOMETRIC MEAN			1,468	1,274	EXCEEDS
92.8	WHEELING	04-Jun-02	4,900	4,300	EXCEEDS
92.8	WHEELING	11-Jun-02	1,200	855	EXCEEDS
92.8	WHEELING	18-Jun-02	2,300	310	EXCEEDS
92.8	WHEELING	25-Jun-02	3,500	2,500	EXCEEDS
92.8	WHEELING	27-Jun-02	15,200	5,700	EXCEEDS
GEOMETRIC MEAN			3,727	1,746	EXCEEDS
86.8	WHEELING	02-Jul-02	31	28	
86.8	WHEELING	09-Jul-02	43	34	
86.8	WHEELING	16-Jul-02	8	34	
86.8	WHEELING	23-Jul-02	28	24	
86.8	WHEELING	29-Jul-02	66	84	
GEOMETRIC MEAN			29	37	
91.4	WHEELING	02-Jul-02	900	618	EXCEEDS
91.4	WHEELING	09-Jul-02	6,600	430	EXCEEDS
91.4	WHEELING	16-Jul-02	1,000	2,200	EXCEEDS
91.4	WHEELING	23-Jul-02	3,500	2,700	EXCEEDS
91.4	WHEELING	29-Jul-02	3,300	3,500	EXCEEDS
GEOMETRIC MEAN			2,330	1,408	EXCEEDS
92.8	WHEELING	02-Jul-02	4,700	591	EXCEEDS
92.8	WHEELING	09-Jul-02	4,600	148	EXCEEDS
92.8	WHEELING	16-Jul-02	200	266	EXCEEDS
92.8	WHEELING	23-Jul-02	600	350	EXCEEDS

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MILEPOINT	STATION	DATE	FECAL COLIFORM	E. COLL.	
92.8	WHEELING	29-Jul-02	936	266	EXCEEDS
			GEOMETRIC MEAN	1,194	293 EXCEEDS

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MILEPOINT	STATION	DATE	FECAL COLIFORM	E. COLL.	
86.8	WHEELING	01-Aug-02	1,400	2,300	EXCEEDS
86.8	WHEELING	06-Aug-02	314	168	
86.8	WHEELING	13-Aug-02	40	36	
86.8	WHEELING	20-Aug-02	48	24	
86.8	WHEELING	27-Aug-02	120	32	
GEOMETRIC MEAN			159	101	
91.4	WHEELING	01-Aug-02	930	2,900	EXCEEDS
91.4	WHEELING	06-Aug-02	1,200	390	EXCEEDS
91.4	WHEELING	13-Aug-02	1,670	250	EXCEEDS
91.4	WHEELING	20-Aug-02	736	460	EXCEEDS
91.4	WHEELING	27-Aug-02	76	43	
GEOMETRIC MEAN			636	354	EXCEEDS
92.8	WHEELING	01-Aug-02	96	673	EXCEEDS
92.8	WHEELING	06-Aug-02	1,260	260	EXCEEDS
92.8	WHEELING	13-Aug-02	460	460	EXCEEDS
92.8	WHEELING	20-Aug-02	320	66	
92.8	WHEELING	27-Aug-02	249	77	
GEOMETRIC MEAN			338	210	EXCEEDS
86.8	WHEELING	03-Sep-02	8	71	
86.8	WHEELING	10-Sep-02	12	12	
86.8	WHEELING	17-Sep-02	128	8	
86.8	WHEELING	19-Sep-02	137	129	
86.8	WHEELING	24-Sep-02	4	8	
GEOMETRIC MEAN			23	23	
91.4	WHEELING	03-Sep-02	211	96	
91.4	WHEELING	10-Sep-02	140	84	
91.4	WHEELING	17-Sep-02	280	230	
91.4	WHEELING	19-Sep-02	4,900	3,900	EXCEEDS
91.4	WHEELING	24-Sep-02	60	60	
GEOMETRIC MEAN			300	213	EXCEEDS
92.8	WHEELING	03-Sep-02	112	286	EXCEEDS
92.8	WHEELING	10-Sep-02	36	52	
92.8	WHEELING	17-Sep-02	270	80	
92.8	WHEELING	19-Sep-02	3,800	2,000	EXCEEDS
92.8	WHEELING	24-Sep-02	116	32	
GEOMETRIC MEAN			217	150	EXCEEDS
86.8	WHEELING	01-Oct-02	64	64	
86.8	WHEELING	08-Oct-02	37	108	
86.8	WHEELING	15-Oct-02	152	60	
86.8	WHEELING	22-Oct-02	52	62	
86.8	WHEELING	29-Oct-02	152	40	
GEOMETRIC MEAN			78	63	
91.4	WHEELING	01-Oct-02	1,400	1,000	EXCEEDS
91.4	WHEELING	08-Oct-02	96	257	EXCEEDS
91.4	WHEELING	15-Oct-02	144	16	
91.4	WHEELING	22-Oct-02	500	176	EXCEEDS
91.4	WHEELING	29-Oct-02	470	260	EXCEEDS
GEOMETRIC MEAN			340	180	EXCEEDS
92.8	WHEELING	01-Oct-02	320	80	
92.8	WHEELING	08-Oct-02	280	172	
92.8	WHEELING	15-Oct-02	310	64	

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92.8	WHEELING	22-Oct-02	740	206	EXCEEDS
92.8	WHEELING	29-Oct-02	690	216	EXCEEDS
GEOMETRIC MEAN			427	131	EXCEEDS



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305.1	HUNTINGTON	02-May-02	310	320	EXCEEDS
305.1	HUNTINGTON	07-May-02	160	132	
305.1	HUNTINGTON	14-May-02	450	380	EXCEEDS
305.1	HUNTINGTON	21-May-02	254	226	
305.1	HUNTINGTON	28-May-02	177	124	
GEOMETRIC MEAN			251	214	EXCEEDS
308.1	HUNTINGTON	02-May-02	700	380	EXCEEDS
308.1	HUNTINGTON	07-May-02	709	370	EXCEEDS
308.1	HUNTINGTON	14-May-02	955	636	EXCEEDS
308.1	HUNTINGTON	21-May-02	600	420	EXCEEDS
308.1	HUNTINGTON	28-May-02	226	220	
GEOMETRIC MEAN			578	383	EXCEEDS
314.8	HUNTINGTON	02-May-02	520	664	EXCEEDS
314.8	HUNTINGTON	07-May-02	864	755	EXCEEDS
314.8	HUNTINGTON	14-May-02	673	500	EXCEEDS
314.8	HUNTINGTON	21-May-02	590	433	EXCEEDS
314.8	HUNTINGTON	28-May-02	2,500	560	EXCEEDS
GEOMETRIC MEAN			851	571	EXCEEDS
305.1	HUNTINGTON	04-Jun-02	286	132	
305.1	HUNTINGTON	11-Jun-02	460	140	EXCEEDS
305.1	HUNTINGTON	18-Jun-02	66	36	
305.1	HUNTINGTON	25-Jun-02	69	68	
305.1	HUNTINGTON	27-Jun-02	32	24	
GEOMETRIC MEAN			114	64	
308.1	HUNTINGTON	04-Jun-02	764	420	EXCEEDS
308.1	HUNTINGTON	11-Jun-02	682	340	EXCEEDS
308.1	HUNTINGTON	18-Jun-02	300	197	
308.1	HUNTINGTON	25-Jun-02	590	310	EXCEEDS
308.1	HUNTINGTON	27-Jun-02	836	791	EXCEEDS
GEOMETRIC MEAN			599	370	EXCEEDS
314.8	HUNTINGTON	04-Jun-02	290	84	
314.8	HUNTINGTON	11-Jun-02	294	140	
314.8	HUNTINGTON	18-Jun-02	174	92	
314.8	HUNTINGTON	25-Jun-02	168	88	
314.8	HUNTINGTON	27-Jun-02	300	220	
GEOMETRIC MEAN			237	116	EXCEEDS
305.1	HUNTINGTON	02-Jul-02	17	11	
305.1	HUNTINGTON	09-Jul-02	63	20	
305.1	HUNTINGTON	16-Jul-02	84	51	
305.1	HUNTINGTON	23-Jul-02	36	20	
305.1	HUNTINGTON	30-Jul-02	46	12	
GEOMETRIC MEAN			43	19	
308.1	HUNTINGTON	02-Jul-02	192	140	
308.1	HUNTINGTON	09-Jul-02	96	60	
308.1	HUNTINGTON	16-Jul-02	84	64	
308.1	HUNTINGTON	23-Jul-02	891	456	EXCEEDS
308.1	HUNTINGTON	30-Jul-02	2,500	1,600	EXCEEDS
GEOMETRIC MEAN			322	208	EXCEEDS
314.8	HUNTINGTON	02-Jul-02	203	217	
314.8	HUNTINGTON	09-Jul-02	100	36	
314.8	HUNTINGTON	16-Jul-02	96	36	

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314.8	HUNTINGTON	23-Jul-02	112	40	
314.8	HUNTINGTON	30-Jul-02	270	104	
GEOMETRIC MEAN			143	65	

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305.1	HUNTINGTON	01-Aug-02	20	4	
305.1	HUNTINGTON	06-Aug-02	32	8	
305.1	HUNTINGTON	13-Aug-02	8	4	
305.1	HUNTINGTON	20-Aug-02	46	4	
305.1	HUNTINGTON	27-Aug-02	112	8	
GEOMETRIC MEAN			30	5	
308.1	HUNTINGTON	01-Aug-02	240	96	
308.1	HUNTINGTON	06-Aug-02	240	174	
308.1	HUNTINGTON	13-Aug-02	96	16	
308.1	HUNTINGTON	20-Aug-02	186	84	
308.1	HUNTINGTON	27-Aug-02	69	44	
GEOMETRIC MEAN			148	63	
314.8	HUNTINGTON	01-Aug-02	166	74	
314.8	HUNTINGTON	06-Aug-02	74	48	
314.8	HUNTINGTON	13-Aug-02	48	46	
314.8	HUNTINGTON	20-Aug-02	100	40	
314.8	HUNTINGTON	27-Aug-02	280	144	
GEOMETRIC MEAN			111	62	
305.1	HUNTINGTON	03-Sep-02	211	144	
305.1	HUNTINGTON	10-Sep-02	69	4	
305.1	HUNTINGTON	17-Sep-02	220	24	
305.1	HUNTINGTON	19-Sep-02	144	49	
305.1	HUNTINGTON	24-Sep-02	60	16	
GEOMETRIC MEAN			123	26	
308.1	HUNTINGTON	03-Sep-02	151	71	
308.1	HUNTINGTON	10-Sep-02	51	16	
308.1	HUNTINGTON	17-Sep-02	116	140	
308.1	HUNTINGTON	19-Sep-02	6,800	4,900	EXCEEDS
308.1	HUNTINGTON	24-Sep-02	104	28	
GEOMETRIC MEAN			229	117	EXCEEDS
314.8	HUNTINGTON	03-Sep-02	46	20	
314.8	HUNTINGTON	10-Sep-02	4	4	
314.8	HUNTINGTON	17-Sep-02	229	40	
314.8	HUNTINGTON	19-Sep-02	194	104	
314.8	HUNTINGTON	24-Sep-02	36	12	
GEOMETRIC MEAN			49	21	
305.1	HUNTINGTON	01-Oct-02	100	40	
305.1	HUNTINGTON	08-Oct-02	246	183	
305.1	HUNTINGTON	15-Oct-02	100	48	
305.1	HUNTINGTON	22-Oct-02	24	12	
305.1	HUNTINGTON	29-Oct-02	257	124	
GEOMETRIC MEAN			109	55	
308.1	HUNTINGTON	01-Oct-02	66	88	
308.1	HUNTINGTON	08-Oct-02	69	48	
308.1	HUNTINGTON	15-Oct-02	69	40	
308.1	HUNTINGTON	22-Oct-02	183	103	
308.1	HUNTINGTON	29-Oct-02	2,100	1,600	EXCEEDS
GEOMETRIC MEAN			165	123	
314.8	HUNTINGTON	01-Oct-02	83	57	

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314.8	HUNTINGTON	08-Oct-02	54	28	
314.8	HUNTINGTON	15-Oct-02	83	51	
314.8	HUNTINGTON	22-Oct-02	94	43	
314.8	HUNTINGTON	29-Oct-02	430	290	EXCEEDS
GEOMETRIC MEAN			108	63	

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462.6	CINCINNATI	01-May-02	480	350	EXCEEDS
462.6	CINCINNATI	07-May-02	1,900	1,800	EXCEEDS
462.6	CINCINNATI	13-May-02	1,800	230	EXCEEDS
462.6	CINCINNATI	21-May-02	234	177	
462.6	CINCINNATI	28-May-02	460	320	EXCEEDS
GEOMETRIC MEAN			707	383	EXCEEDS
470	CINCINNATI	01-May-02	2,600	880	EXCEEDS
470	CINCINNATI	07-May-02	964	727	EXCEEDS
470	CINCINNATI	13-May-02	3,700	2,100	EXCEEDS
470	CINCINNATI	21-May-02	109	873	EXCEEDS
470	CINCINNATI	28-May-02	157	232	
GEOMETRIC MEAN			692	771	EXCEEDS
477.5	CINCINNATI	01-May-02	940	540	EXCEEDS
477.5	CINCINNATI	07-May-02	2,700	1,027	EXCEEDS
477.5	CINCINNATI	13-May-02	800	420	EXCEEDS
477.5	CINCINNATI	21-May-02	410	360	EXCEEDS
477.5	CINCINNATI	28-May-02	260	214	
GEOMETRIC MEAN			736	447	EXCEEDS
462.6	CINCINNATI	04-Jun-02	28	12	
462.6	CINCINNATI	11-Jun-02	154	92	
462.6	CINCINNATI	19-Jun-02	45	32	
462.6	CINCINNATI	24-Jun-02	43	84	
462.6	CINCINNATI	27-Jun-02	88	80	
GEOMETRIC MEAN			59	47	
470	CINCINNATI	04-Jun-02	80	44	
470	CINCINNATI	11-Jun-02	214	108	
470	CINCINNATI	19-Jun-02	44	24	
470	CINCINNATI	24-Jun-02	8	36	
470	CINCINNATI	27-Jun-02	69	52	
GEOMETRIC MEAN			53	46	
477.5	CINCINNATI	04-Jun-02	50	10	
477.5	CINCINNATI	19-Jun-02	44	24	
477.5	CINCINNATI	19-Jun-02	71	62	
477.5	CINCINNATI	24-Jun-02	4	32	
477.5	CINCINNATI	27-Jun-02	224	124	
GEOMETRIC MEAN			43	36	
462.6	CINCINNATI	01-Jul-02	54	40	
462.6	CINCINNATI	09-Jul-02	66	63	
462.6	CINCINNATI	16-Jul-02	50	4	
462.6	CINCINNATI	24-Jul-02	8	4	
462.6	CINCINNATI	31-Jul-02	230	66	
GEOMETRIC MEAN			50	19	
470	CINCINNATI	01-Jul-02	40	28	
470	CINCINNATI	09-Jul-02	510	137	EXCEEDS
470	CINCINNATI	16-Jul-02	280	104	
470	CINCINNATI	24-Jul-02	46	32	
470	CINCINNATI	31-Jul-02	10	4	
GEOMETRIC MEAN			77	35	
477.5	CINCINNATI	01-Jul-02	36	16	

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477.5	CINCINNATI	09-Jul-02	44	20	
477.5	CINCINNATI	16-Jul-02	4	4	
477.5	CINCINNATI	24-Jul-02	270	260	EXCEEDS
477.5	CINCINNATI	31-Jul-02	4	4	
GEOMETRIC MEAN			23	17	

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462.6	CINCINNATI	06-Aug-02	40	28	
462.6	CINCINNATI	08-Aug-02	4	4	
462.6	CINCINNATI	12-Aug-02	54	16	
462.6	CINCINNATI	20-Aug-02	4	4	
462.6	CINCINNATI	27-Aug-02	16	4	
GEOMETRIC MEAN			14	8	
470	CINCINNATI	06-Aug-02	12	8	
470	CINCINNATI	08-Aug-02	4	4	
470	CINCINNATI	12-Aug-02	709	450	EXCEEDS
470	CINCINNATI	20-Aug-02	96	48	
470	CINCINNATI	27-Aug-02	16	4	
GEOMETRIC MEAN			35	19	
477.5	CINCINNATI	06-Aug-02	4	4	
477.5	CINCINNATI	08-Aug-02	4	4	
477.5	CINCINNATI	12-Aug-02	2,400	2,200	EXCEEDS
477.5	CINCINNATI	20-Aug-02	80	40	
477.5	CINCINNATI	27-Aug-02	12	8	
GEOMETRIC MEAN			33	26	
462.6	CINCINNATI	04-Sep-02	4	4	
462.6	CINCINNATI	11-Sep-02	4	4	
462.6	CINCINNATI	17-Sep-02	20	8	
462.6	CINCINNATI	23-Sep-02	63	4	
462.6	CINCINNATI	25-Sep-02	8	4	
GEOMETRIC MEAN			11	5	
470	CINCINNATI	04-Sep-02	80	60	
470	CINCINNATI	11-Sep-02	24	20	
470	CINCINNATI	17-Sep-02	208	80	
470	CINCINNATI	23-Sep-02	28	12	
470	CINCINNATI	25-Sep-02	12	12	
GEOMETRIC MEAN			42	27	
477.5	CINCINNATI	04-Sep-02	60	4	
477.5	CINCINNATI	11-Sep-02	8	20	
477.5	CINCINNATI	17-Sep-02	251	200	
477.5	CINCINNATI	23-Sep-02	36	12	
477.5	CINCINNATI	25-Sep-02	52	24	
GEOMETRIC MEAN			47	22	
462.6	CINCINNATI	01-Oct-02	92	8	
462.6	CINCINNATI	08-Oct-02	4	4	
462.6	CINCINNATI	15-Oct-02	84	4	
462.6	CINCINNATI	22-Oct-02	16	4	
462.6	CINCINNATI	29-Oct-02	4	4	
GEOMETRIC MEAN			18	5	
470	CINCINNATI	01-Oct-02	1,155	56	EXCEEDS
470	CINCINNATI	08-Oct-02	20	20	
470	CINCINNATI	15-Oct-02	51	12	
470	CINCINNATI	22-Oct-02	20	4	
470	CINCINNATI	29-Oct-02	500	490	EXCEEDS
GEOMETRIC MEAN			103	30	
477.5	CINCINNATI	01-Oct-02	280	36	
477.5	CINCINNATI	08-Oct-02	51	32	
477.5	CINCINNATI	15-Oct-02	136	116	

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477.5	CINCINNATI	22-Oct-02	8	8	
477.5	CINCINNATI	29-Oct-02	209	4	
GEOMETRIC MEAN			80	21	



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594	LOUISVILLE	02-May-02	773	520	EXCEEDS
594	LOUISVILLE	07-May-02	782	220	EXCEEDS
594	LOUISVILLE	14-May-02	2,700	973	EXCEEDS
594	LOUISVILLE	21-May-02	400	380	EXCEEDS
594	LOUISVILLE	28-May-02	237	132	
GEOMETRIC MEAN			689	354	EXCEEDS
608.7	LOUISVILLE	02-May-02	755	618	EXCEEDS
608.7	LOUISVILLE	07-May-02	520	380	EXCEEDS
608.7	LOUISVILLE	14-May-02	2,400	873	EXCEEDS
608.7	LOUISVILLE	21-May-02	290	240	
608.7	LOUISVILLE	28-May-02	400	200	
GEOMETRIC MEAN			642	397	EXCEEDS
619.3	LOUISVILLE	02-May-02	3,000	1,500	EXCEEDS
619.3	LOUISVILLE	07-May-02	3,400	1,500	EXCEEDS
619.3	LOUISVILLE	14-May-02	4,200	2,700	EXCEEDS
619.3	LOUISVILLE	21-May-02	2,200	1,100	EXCEEDS
619.3	LOUISVILLE	28-May-02	2,700	2,200	EXCEEDS
GEOMETRIC MEAN			3,028	1,712	EXCEEDS
594	LOUISVILLE	05-Jun-02	132	57	
594	LOUISVILLE	11-Jun-02	120	80	
594	LOUISVILLE	18-Jun-02	66	80	
594	LOUISVILLE	25-Jun-02	46	40	
594	LOUISVILLE	27-Jun-02	120	12	
GEOMETRIC MEAN			90	45	
608.7	LOUISVILLE	05-Jun-02	240	63	
608.7	LOUISVILLE	11-Jun-02	51	80	
608.7	LOUISVILLE	18-Jun-02	60	51	
608.7	LOUISVILLE	25-Jun-02	60	36	
608.7	LOUISVILLE	27-Jun-02	24	4	
GEOMETRIC MEAN			64	33	
619.3	LOUISVILLE	05-Jun-02	420	220	EXCEEDS
619.3	LOUISVILLE	11-Jun-02	108	96	
619.3	LOUISVILLE	18-Jun-02	160	128	
619.3	LOUISVILLE	25-Jun-02	4,900	4,500	EXCEEDS
619.3	LOUISVILLE	27-Jun-02	673	400	EXCEEDS
GEOMETRIC MEAN			474	345	EXCEEDS
594	LOUISVILLE	03-Jul-02	80	69	
594	LOUISVILLE	09-Jul-02	580	320	EXCEEDS
594	LOUISVILLE	16-Jul-02	727	380	EXCEEDS
594	LOUISVILLE	18-Jul-02	66	32	
594	LOUISVILLE	23-Jul-02	237	169	
GEOMETRIC MEAN			221	135	EXCEEDS
608.7	LOUISVILLE	03-Jul-02	4	4	
608.7	LOUISVILLE	09-Jul-02	20	20	
608.7	LOUISVILLE	16-Jul-02	80	44	
608.7	LOUISVILLE	18-Jul-02	40	4	
608.7	LOUISVILLE	23-Jul-02	28	4	
GEOMETRIC MEAN			24	9	
619.3	LOUISVILLE	03-Jul-02	520	156	EXCEEDS
619.3	LOUISVILLE	09-Jul-02	74	44	

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619.3	LOUISVILLE	16-Jul-02	108	74	
619.3	LOUISVILLE	18-Jul-02	137	46	
619.3	LOUISVILLE	23-Jul-02	1,800	1,100	EXCEEDS
GEOMETRIC MEAN			252	121	EXCEEDS

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594	LOUISVILLE	06-Aug-02	32	24	
594	LOUISVILLE	13-Aug-02	4	4	
594	LOUISVILLE	15-Aug-02	40	36	
594	LOUISVILLE	20-Aug-02	4	12	
594	LOUISVILLE	27-Aug-02	4	8	
GEOMETRIC MEAN			10	13	
608.7	LOUISVILLE	06-Aug-02	4	4	
608.7	LOUISVILLE	13-Aug-02	20	4	
608.7	LOUISVILLE	15-Aug-02	4	8	
608.7	LOUISVILLE	20-Aug-02	4	4	
608.7	LOUISVILLE	27-Aug-02	4	4	
GEOMETRIC MEAN			6	5	
619.3	LOUISVILLE	06-Aug-02	12	4	
619.3	LOUISVILLE	13-Aug-02	251	174	
619.3	LOUISVILLE	15-Aug-02	7,200	6,500	EXCEEDS
619.3	LOUISVILLE	20-Aug-02	271	189	
619.3	LOUISVILLE	27-Aug-02	80	48	
GEOMETRIC MEAN			216	133	EXCEEDS
594	LOUISVILLE	03-Sep-02	51	32	
594	LOUISVILLE	10-Sep-02	4	4	
594	LOUISVILLE	17-Sep-02	16	4	
594	LOUISVILLE	19-Sep-02	20	4	
594	LOUISVILLE	24-Sep-02	4	12	
GEOMETRIC MEAN			12	8	
608.7	LOUISVILLE	03-Sep-02	88	71	
608.7	LOUISVILLE	10-Sep-01	12	10	
608.7	LOUISVILLE	17-Sep-02	16	8	
608.7	LOUISVILLE	19-Sep-02	28	12	
608.7	LOUISVILLE	24-Sep-02	12	4	
GEOMETRIC MEAN			22	12	
619.3	LOUISVILLE	03-Sep-02	32	4	
619.3	LOUISVILLE	10-Sep-01	12	4	
619.3	LOUISVILLE	17-Sep-02	1,500	764	EXCEEDS
619.3	LOUISVILLE	19-Sep-02	430	223	EXCEEDS
619.3	LOUISVILLE	24-Sep-02	80	77	
GEOMETRIC MEAN			115	46	
594	LOUISVILLE	01-Oct-02	40	32	
594	LOUISVILLE	09-Oct-02	250	214	
594	LOUISVILLE	16-Oct-02	72	64	
594	LOUISVILLE	24-Oct-02	24	8	
594	LOUISVILLE	29-Oct-02	60	32	
GEOMETRIC MEAN			64	41	
608.7	LOUISVILLE	01-Oct-02	43	20	
608.7	LOUISVILLE	09-Oct-02	220	88	
608.7	LOUISVILLE	16-Oct-02	80	54	
608.7	LOUISVILLE	24-Oct-02	16	4	
608.7	LOUISVILLE	29-Oct-02	66	51	
GEOMETRIC MEAN			60	29	
619.3	LOUISVILLE	01-Oct-02	5,400	3,800	EXCEEDS

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619.3	LOUISVILLE	09-Oct-02	460	280	EXCEEDS
619.3	LOUISVILLE	16-Oct-02	700	390	EXCEEDS
619.3	LOUISVILLE	24-Oct-02	57	34	
619.3	LOUISVILLE	29-Oct-02	718	500	EXCEEDS
GEOMETRIC MEAN			589	371	EXCEEDS

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791.5	EVANSVILLE	02-May-02	400	230	
791.5	EVANSVILLE	07-May-02	257	230	
791.5	EVANSVILLE	14-May-02	510	80	EXCEEDS
791.5	EVANSVILLE	21-May-02	112	69	
791.5	EVANSVILLE	28-May-02	166	108	
GEOMETRIC MEAN			250	126	EXCEEDS
793.7	EVANSVILLE	02-May-02	2,000	727	EXCEEDS
793.7	EVANSVILLE	07-May-02	750	350	EXCEEDS
793.7	EVANSVILLE	14-May-02	500	60	EXCEEDS
793.7	EVANSVILLE	21-May-02	168	120	
793.7	EVANSVILLE	28-May-02	500	400	EXCEEDS
GEOMETRIC MEAN			575	236	EXCEEDS
797.3	EVANSVILLE	02-May-02	249	210	
797.3	EVANSVILLE	07-May-02	400	263	EXCEEDS
797.3	EVANSVILLE	14-May-02	691	120	EXCEEDS
797.3	EVANSVILLE	21-May-02	186	71	
797.3	EVANSVILLE	28-May-02	480	400	EXCEEDS
GEOMETRIC MEAN			361	180	EXCEEDS
791.5	EVANSVILLE	04-Jun-02	83	72	
791.5	EVANSVILLE	11-Jun-02	160	60	
791.5	EVANSVILLE	18-Jun-02	51	20	
791.5	EVANSVILLE	25-Jun-02	3,800	600	EXCEEDS
793.7	EVANSVILLE	04-Jun-02	36	56	
793.7	EVANSVILLE	11-Jun-02	157	148	
793.7	EVANSVILLE	18-Jun-02	191	104	
793.7	EVANSVILLE	25-Jun-02	1,200	300	EXCEEDS
793.7	EVANSVILLE	27-Jun-02	80	56	
GEOMETRIC MEAN			160	108	
797.3	EVANSVILLE	04-Jun-02	71	24	
797.3	EVANSVILLE	11-Jun-02	140	100	
797.3	EVANSVILLE	18-Jun-02	84	32	
797.3	EVANSVILLE	25-Jun-02	2,200	1,800	EXCEEDS
797.3	EVANSVILLE	27-Jun-02	80	56	
GEOMETRIC MEAN			171	95	
791.5	EVANSVILLE	02-Jul-02	17	4	
791.5	EVANSVILLE	09-Jul-02	12	4	
791.5	EVANSVILLE	16-Jul-02	32	8	
791.5	EVANSVILLE	23-Jul-02	20	4	
791.5	EVANSVILLE	30-Jul-02	20	52	
GEOMETRIC MEAN			19	8	
793.7	EVANSVILLE	02-Jul-02	46	4	
793.7	EVANSVILLE	09-Jul-02	68	29	
793.7	EVANSVILLE	16-Jul-02	30	16	
793.7	EVANSVILLE	23-Jul-02	112	100	
793.7	EVANSVILLE	30-Jul-02	300	128	
GEOMETRIC MEAN			79	30	
797.3	EVANSVILLE	02-Jul-02	46	4	
797.3	EVANSVILLE	09-Jul-02	32	4	

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797.3	EVANSVILLE	16-Jul-02	60	52	
797.3	EVANSVILLE	23-Jul-02	52	44	
797.3	EVANSVILLE	30-Jul-02	231	152	
GEOMETRIC MEAN			64	22	

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791.5	EVANSVILLE	01-Aug-02	24	4	
791.5	EVANSVILLE	06-Aug-02	4	4	
791.5	EVANSVILLE	13-Aug-02	60	20	
791.5	EVANSVILLE	20-Aug-02	8	8	
791.5	EVANSVILLE	27-Aug-02	12	4	
GEOMETRIC MEAN			14	6	
793.7	EVANSVILLE	01-Aug-02	274	51	
793.7	EVANSVILLE	06-Aug-02	120	66	
793.7	EVANSVILLE	13-Aug-02	4,000	2,800	EXCEEDS
793.7	EVANSVILLE	20-Aug-02	203	152	
793.7	EVANSVILLE	27-Aug-02	20	12	
GEOMETRIC MEAN			222	111	EXCEEDS
797.3	EVANSVILLE	01-Aug-02	16	4	
797.3	EVANSVILLE	06-Aug-02	40	36	
797.3	EVANSVILLE	13-Aug-02	92	83	
797.3	EVANSVILLE	20-Aug-02	32	12	
797.3	EVANSVILLE	27-Aug-02	144	20	
GEOMETRIC MEAN			49	20	
791.5	EVANSVILLE	03-Sep-02	74	16	
791.5	EVANSVILLE	10-Sep-02	4	4	
791.5	EVANSVILLE	17-Sep-02	24	8	
791.5	EVANSVILLE	19-Sep-02	88	40	
791.5	EVANSVILLE	24-Sep-02	112	88	
GEOMETRIC MEAN			37	18	
793.7	EVANSVILLE	03-Sep-02	163	46	
793.7	EVANSVILLE	10-Sep-02	20	4	
793.7	EVANSVILLE	17-Sep-02	89	12	
793.7	EVANSVILLE	19-Sep-02	280	100	
793.7	EVANSVILLE	24-Sep-02	100	74	
GEOMETRIC MEAN			96	28	
797.3	EVANSVILLE	03-Sep-02	12	4	
797.3	EVANSVILLE	10-Sep-02	28	4	
797.3	EVANSVILLE	17-Sep-02	32	28	
797.3	EVANSVILLE	19-Sep-02	186	88	
797.3	EVANSVILLE	24-Sep-02	132	32	
GEOMETRIC MEAN			48	17	
791.5	EVANSVILLE	01-Oct-02	189	112	
791.5	EVANSVILLE	08-Oct-02	66	32	
791.5	EVANSVILLE	15-Oct-02	160	92	
791.5	EVANSVILLE	22-Oct-02	28	12	
791.5	EVANSVILLE	29-Oct-02	120	94	
GEOMETRIC MEAN			92	52	
793.7	EVANSVILLE	01-Oct-02	206	104	
793.7	EVANSVILLE	08-Oct-02	250	160	
793.7	EVANSVILLE	15-Oct-02	74	57	
793.7	EVANSVILLE	22-Oct-02	96	77	
793.7	EVANSVILLE	29-Oct-02	2,000	1,500	EXCEEDS
GEOMETRIC MEAN			236	161	EXCEEDS
797.3	EVANSVILLE	01-Oct-02	203	71	
797.3	EVANSVILLE	08-Oct-02	88	54	
797.3	EVANSVILLE	15-Oct-02	200	136	

# 2002 OHIO RIVER BACTERIA SAMPLING

**1-Nov-2002  
FINAL REPORT**

MILEPOINT	STATION	DATE	FECAL COLIFORM	E. COLI	
797.3	EVANSVILLE	22-Oct-02	77	37	
797.3	EVANSVILLE	29-Oct-02	330	280	<b>EXCEEDS</b>
		<b>GEOMETRIC MEAN</b>	155	88	

FECAL- Not to exceed 400 in more than 10% of samples taken during month  
 Not to exceed 200 as a monthly geometric mean (at least 5 samples required)

E.COLI- Not to exceed 240 in any single sample  
 Not to exceed 130 as a monthly geometric mean (at least 5 samples required)



# 2003 OHIO RIVER BACTERIA SAMPLING

## 11/3/2003 FINAL REPORT

MILEPOINT	STATION	DATE	FECAL COLIFORM	E. COLL.	
1.4R	PITTSBURGH	01-May-03	68	60	
1.4R	PITTSBURGH	06-May-03	7,300	4,300	EXCEEDS
1.4R	PITTSBURGH	20-May-03	176	68	
1.4R	PITTSBURGH	22-May-03	520	230	EXCEEDS
1.4R	PITTSBURGH	27-May-03	150	60	
GEOMETRIC MEAN			369	189	EXCEEDS
1.4M	PITTSBURGH	01-May-03	92	20	
1.4M	PITTSBURGH	06-May-03	2,100	1,100	EXCEEDS
1.4M	PITTSBURGH	20-May-03	340	164	
1.4M	PITTSBURGH	22-May-03	650	570	EXCEEDS
1.4M	PITTSBURGH	27-May-03	200	92	
GEOMETRIC MEAN			386	180	EXCEEDS
1.4L	PITTSBURGH	01-May-03	49	32	
1.4L	PITTSBURGH	06-May-03	1,700	1,100	EXCEEDS
1.4L	PITTSBURGH	20-May-03	470	270	EXCEEDS
1.4L	PITTSBURGH	22-May-03	900	760	EXCEEDS
1.4L	PITTSBURGH	27-May-03	280	40	
GEOMETRIC MEAN			397	196	EXCEEDS
4.3	PITTSBURGH	01-May-03	52	52	
4.3	PITTSBURGH	06-May-03	4,700	1,700	EXCEEDS
4.3	PITTSBURGH	20-May-03	156	92	
4.3	PITTSBURGH	22-May-03	660	530	EXCEEDS
4.3	PITTSBURGH	27-May-03	212	66	
GEOMETRIC MEAN			351	195	EXCEEDS
1.4R	PITTSBURGH	03-Jun-03	230	200	
1.4R	PITTSBURGH	10-Jun-03	864	420	EXCEEDS
1.4R	PITTSBURGH	17-Jun-03	240	180	
1.4R	PITTSBURGH	24-Jun-03	2,700	2,200	EXCEEDS
1.4R	PITTSBURGH	26-Jun-03	670	320	EXCEEDS
GEOMETRIC MEAN			613	403	EXCEEDS
1.4M	PITTSBURGH	03-Jun-03	1,300	990	EXCEEDS
1.4M	PITTSBURGH	10-Jun-03	782	600	EXCEEDS
1.4M	PITTSBURGH	17-Jun-03	230	180	
1.4M	PITTSBURGH	24-Jun-03	873	606	EXCEEDS
1.4M	PITTSBURGH	26-Jun-03	430	190	EXCEEDS
GEOMETRIC MEAN			615	415	EXCEEDS
1.4L	PITTSBURGH	03-Jun-03	1,900	1,000	EXCEEDS
1.4L	PITTSBURGH	10-Jun-03	490	380	EXCEEDS
1.4L	PITTSBURGH	17-Jun-03	180	160	
1.4L	PITTSBURGH	24-Jun-03	733	480	EXCEEDS
1.4L	PITTSBURGH	26-Jun-03	490	230	EXCEEDS
GEOMETRIC MEAN			570	368	EXCEEDS
4.3	PITTSBURGH	03-Jun-03	270	130	
4.3	PITTSBURGH	10-Jun-03	645	590	EXCEEDS
4.3	PITTSBURGH	17-Jun-03	230	160	
4.3	PITTSBURGH	24-Jun-03	706	608	EXCEEDS
4.3	PITTSBURGH	26-Jun-03	460	360	EXCEEDS
GEOMETRIC MEAN			420	306	EXCEEDS

# 2003 OHIO RIVER BACTERIA SAMPLING

## 11/3/2003 FINAL REPORT

MILEPOINT	STATION	DATE	FECAL COLIFORM	E. COLL.	
1.4R	PITTSBURGH	01-Jul-03	500	220	EXCEEDS
1.4R	PITTSBURGH	10-Jul-03	2,100	2,000	EXCEEDS
1.4R	PITTSBURGH	15-Jul-03	1,700	780	EXCEEDS
1.4R	PITTSBURGH	22-Jul-03	11,000	7,000	EXCEEDS
1.4R	PITTSBURGH	29-Jul-03	918	770	EXCEEDS
GEOMETRIC MEAN			1,783	1,131	EXCEEDS
1.4M	PITTSBURGH	01-Jul-03	380	260	EXCEEDS
1.4M	PITTSBURGH	10-Jul-03	2,700	1,900	EXCEEDS
1.4M	PITTSBURGH	15-Jul-03	510	300	EXCEEDS
1.4M	PITTSBURGH	22-Jul-03	16,000	11,000	EXCEEDS
1.4M	PITTSBURGH	29-Jul-03	1,700	1,400	EXCEEDS
GEOMETRIC MEAN			1,701	1,179	EXCEEDS
1.4L	PITTSBURGH	01-Jul-03	470	230	EXCEEDS
1.4L	PITTSBURGH	10-Jul-03	3,700	3,100	EXCEEDS
1.4L	PITTSBURGH	15-Jul-03	700	440	EXCEEDS
1.4L	PITTSBURGH	22-Jul-03	21,000	18,000	EXCEEDS
1.4L	PITTSBURGH	29-Jul-03	1,500	973	EXCEEDS
GEOMETRIC MEAN			2,074	1,406	EXCEEDS
4.3	PITTSBURGH	01-Jul-03	160	120	
4.3	PITTSBURGH	10-Jul-03	1,600	1,500	EXCEEDS
4.3	PITTSBURGH	15-Jul-03	1,100	1,018	EXCEEDS
4.3	PITTSBURGH	22-Jul-03	19,000	9,100	EXCEEDS
4.3	PITTSBURGH	29-Jul-03	1,300	855	EXCEEDS
GEOMETRIC MEAN			1,474	1,074	EXCEEDS
1.4R	PITTSBURGH	05-Aug-03	890	850	EXCEEDS
1.4R	PITTSBURGH	12-Aug-03	570	400	EXCEEDS
1.4R	PITTSBURGH	19-Aug-03	194	120	
1.4R	PITTSBURGH	21-Aug-03	226	48	
1.4R	PITTSBURGH	26-Aug-03	57	48	
GEOMETRIC MEAN			263	157	EXCEEDS
1.4M	PITTSBURGH	05-Aug-03	590	380	EXCEEDS
1.4M	PITTSBURGH	12-Aug-03	310	230	
1.4M	PITTSBURGH	19-Aug-03	164	100	
1.4M	PITTSBURGH	21-Aug-03	60	48	
1.4M	PITTSBURGH	26-Aug-03	28	28	
GEOMETRIC MEAN			138	103	
1.4L	PITTSBURGH	05-Aug-03	3,400	440	EXCEEDS
1.4L	PITTSBURGH	12-Aug-03	220	200	
1.4L	PITTSBURGH	19-Aug-03	260	88	
1.4L	PITTSBURGH	21-Aug-03	100	74	
1.4L	PITTSBURGH	26-Aug-03	40	32	
GEOMETRIC MEAN			239	113	EXCEEDS
4.3	PITTSBURGH	05-Aug-03	960	630	EXCEEDS
4.3	PITTSBURGH	12-Aug-03	570	420	EXCEEDS
4.3	PITTSBURGH	19-Aug-03	204	128	
4.3	PITTSBURGH	21-Aug-03	150	66	
4.3	PITTSBURGH	26-Aug-03	84	28	
GEOMETRIC MEAN			269	144	EXCEEDS

# 2003 OHIO RIVER BACTERIA SAMPLING

## 11/3/2003 FINAL REPORT

MILEPOINT	STATION	DATE	FECAL COLIFORM	E. COLL.	
1.4R	PITTSBURGH	02-Sep-03	21,000	17,000	EXCEEDS
1.4R	PITTSBURGH	09-Sep-03	380	150	
1.4R	PITTSBURGH	16-Sep-03	7,900	5,000	EXCEEDS
1.4R	PITTSBURGH	23-Sep-03	5,100	4,800	EXCEEDS
1.4R	PITTSBURGH	30-Sep-03	230	100	
GEOMETRIC MEAN			2,365	1,437	EXCEEDS
1.4M	PITTSBURGH	02-Sep-03	7,100	5,900	EXCEEDS
1.4M	PITTSBURGH	09-Sep-03	390	310	EXCEEDS
1.4M	PITTSBURGH	16-Sep-03	6,400	3,300	EXCEEDS
1.4M	PITTSBURGH	23-Sep-03	7,900	5,000	EXCEEDS
1.4M	PITTSBURGH	30-Sep-03	220	120	
GEOMETRIC MEAN			1,985	1,294	EXCEEDS
1.4L	PITTSBURGH	02-Sep-03	12,000	11,000	EXCEEDS
1.4L	PITTSBURGH	09-Sep-03	270	80	
1.4L	PITTSBURGH	16-Sep-03	7,700	5,300	EXCEEDS
1.4L	PITTSBURGH	23-Sep-03	3,300	1,600	EXCEEDS
1.4L	PITTSBURGH	30-Sep-03	1,555	936	EXCEEDS
GEOMETRIC MEAN			2,639	1,475	EXCEEDS
4.3	PITTSBURGH	02-Sep-03	8,700	4,700	EXCEEDS
4.3	PITTSBURGH	09-Sep-03	240	132	
4.3	PITTSBURGH	16-Sep-03	13,000	11,000	EXCEEDS
4.3	PITTSBURGH	23-Sep-03	6,800	4,900	EXCEEDS
4.3	PITTSBURGH	30-Sep-03	128	152	
GEOMETRIC MEAN			1,882	1,384	EXCEEDS
1.4R	PITTSBURGH	02-Oct-03	96	63	
1.4R	PITTSBURGH	07-Oct-03	188	84	
1.4R	PITTSBURGH	14-Oct-03	116	80	
1.4R	PITTSBURGH	21-Oct-03	200	172	
1.4R	PITTSBURGH	28-Oct-03	9,100	7,700	EXCEEDS
GEOMETRIC MEAN			328	224	EXCEEDS
1.4M	PITTSBURGH	02-Oct-03	124	92	
1.4M	PITTSBURGH	07-Oct-03	88	40	
1.4M	PITTSBURGH	14-Oct-03	104	120	
1.4M	PITTSBURGH	21-Oct-03	144	66	
1.4M	PITTSBURGH	28-Oct-03	6,900	3,600	EXCEEDS
GEOMETRIC MEAN			257	160	EXCEEDS
1.4L	PITTSBURGH	02-Oct-03	4	4	
1.4L	PITTSBURGH	07-Oct-03	168	156	
1.4L	PITTSBURGH	14-Oct-03	84	80	
1.4L	PITTSBURGH	21-Oct-03	290	160	
1.4L	PITTSBURGH	28-Oct-03	5,100	3,200	EXCEEDS
GEOMETRIC MEAN			153	121	
4.3	PITTSBURGH	02-Oct-03	24	20	
4.3	PITTSBURGH	07-Oct-03	104	84	
4.3	PITTSBURGH	14-Oct-03	100	83	
4.3	PITTSBURGH	21-Oct-03	132	71	
4.3	PITTSBURGH	28-Oct-03	4,800	2,600	EXCEEDS
GEOMETRIC MEAN			174	121	

# 2003 OHIO RIVER BACTERIA SAMPLING

## 11/3/2003 FINAL REPORT

MILEPOINT	STATION	DATE	FECAL COLIFORM	E. COLL.	
86.8	WHEELING	01-May-03	12	4	
86.8	WHEELING	06-May-03	24	20	
86.8	WHEELING	13-May-03	4,400	1,700	EXCEEDS
86.8	WHEELING	20-May-03	260	231	
86.8	WHEELING	27-May-03	370	450	EXCEEDS
GEOMETRIC MEAN			165	107	
91.4	WHEELING	01-May-03	490	206	EXCEEDS
91.4	WHEELING	06-May-03	650	330	EXCEEDS
91.4	WHEELING	13-May-03	3,100	1,800	EXCEEDS
91.4	WHEELING	20-May-03	1,210	900	EXCEEDS
91.4	WHEELING	27-May-03	480	390	EXCEEDS
GEOMETRIC MEAN			895	533	EXCEEDS
92.8	WHEELING	01-May-03	156	51	
92.8	WHEELING	06-May-03	168	144	
92.8	WHEELING	13-May-03	1,400	818	EXCEEDS
92.8	WHEELING	20-May-03	236	360	EXCEEDS
92.8	WHEELING	27-May-03	543	470	EXCEEDS
GEOMETRIC MEAN			342	252	EXCEEDS
86.8	WHEELING	03-Jun-03	1,000	718	EXCEEDS
86.8	WHEELING	10-Jun-03	1,163	530	EXCEEDS
86.8	WHEELING	17-Jun-03	991	556	EXCEEDS
86.8	WHEELING	24-Jun-03	655	230	EXCEEDS
86.8	WHEELING	26-Jun-03	254	92	
GEOMETRIC MEAN			719	339	EXCEEDS
91.4	WHEELING	03-Jun-03	2,300	2,000	EXCEEDS
91.4	WHEELING	10-Jun-03	756	547	EXCEEDS
91.4	WHEELING	17-Jun-03	7,100	4,900	EXCEEDS
91.4	WHEELING	24-Jun-03	991	220	EXCEEDS
91.4	WHEELING	26-Jun-03	764	1,291	EXCEEDS
GEOMETRIC MEAN			1,564	1,088	EXCEEDS
92.8	WHEELING	03-Jun-03	3,300	2,900	EXCEEDS
92.8	WHEELING	10-Jun-03	1,082	697	EXCEEDS
92.8	WHEELING	17-Jun-03	15,200	6,100	EXCEEDS
92.8	WHEELING	24-Jun-03	1,210	450	EXCEEDS
92.8	WHEELING	24-Jun-03	320	310	EXCEEDS
GEOMETRIC MEAN			1,839	1,115	EXCEEDS
86.8	WHEELING	01-Jul-03	128	49	
86.8	WHEELING	08-Jul-03	60	210	
86.8	WHEELING	15-Jul-03	217	320	EXCEEDS
86.8	WHEELING	22-Jul-03	212	96	
86.8	WHEELING	29-Jul-03	6,400	2,000	EXCEEDS
GEOMETRIC MEAN			296	229	EXCEEDS
91.4	WHEELING	01-Jul-03	1,100	890	EXCEEDS
91.4	WHEELING	08-Jul-03	6,000	4,600	EXCEEDS
91.4	WHEELING	15-Jul-03	860	330	EXCEEDS
91.4	WHEELING	22-Jul-03	3,900	3,800	EXCEEDS
91.4	WHEELING	29-Jul-03	3,100	973	EXCEEDS
GEOMETRIC MEAN			2,330	1,379	EXCEEDS
92.8	WHEELING	01-Jul-03	148	180	
92.8	WHEELING	08-Jul-03	3,000	1,364	EXCEEDS

# 2003 OHIO RIVER BACTERIA SAMPLING

## 11/3/2003 FINAL REPORT

MILEPOINT	STATION	DATE	FECAL COLIFORM	E. COLI.	
92.8	WHEELING	15-Jul-03	420	260	<b>EXCEEDS</b>
92.8	WHEELING	22-Jul-03	1,500	614	<b>EXCEEDS</b>
92.8	WHEELING	29-Jul-03	3,000	3,200	<b>EXCEEDS</b>
<b>GEOMETRIC MEAN</b>			966	660	<b>EXCEEDS</b>

# 2003 OHIO RIVER BACTERIA SAMPLING

## 11/3/2003 FINAL REPORT

MILEPOINT	STATION	DATE	FECAL COLIFORM	E. COLL.	
86.8	WHEELING	05-Aug-03	680	530	EXCEEDS
86.8	WHEELING	12-Aug-03	973	556	EXCEEDS
86.8	WHEELING	19-Aug-03	120	104	
86.8	WHEELING	21-Aug-03	46	24	
86.8	WHEELING	26-Aug-03	24	20	
GEOMETRIC MEAN			154	108	
91.4	WHEELING	05-Aug-03	1,360	2,300	EXCEEDS
91.4	WHEELING	12-Aug-03	763	320	EXCEEDS
91.4	WHEELING	19-Aug-03	836	681	EXCEEDS
91.4	WHEELING	21-Aug-03	658	166	EXCEEDS
91.4	WHEELING	26-Aug-03	240	112	
GEOMETRIC MEAN			672	393	EXCEEDS
92.8	WHEELING	05-Aug-03	990	1,250	EXCEEDS
92.8	WHEELING	12-Aug-03	855	611	EXCEEDS
92.8	WHEELING	19-Aug-03	132	66	
92.8	WHEELING	21-Aug-03	60	44	
92.8	WHEELING	26-Aug-03	52	48	
GEOMETRIC MEAN			203	160	EXCEEDS
86.8	WHEELING	02-Sep-03	720	300	EXCEEDS
86.8	WHEELING	09-Sep-03	270	104	
86.8	WHEELING	16-Sep-03	40	43	
86.8	WHEELING	23-Sep-03	470	290	EXCEEDS
86.8	WHEELING	30-Sep-03	204	168	
GEOMETRIC MEAN			237	146	EXCEEDS
91.4	WHEELING	02-Sep-03	1,582	1,264	EXCEEDS
91.4	WHEELING	09-Sep-03	1,609	240	EXCEEDS
91.4	WHEELING	16-Sep-03	858	209	EXCEEDS
91.4	WHEELING	23-Sep-03	406	270	EXCEEDS
91.4	WHEELING	30-Sep-03	220	183	
GEOMETRIC MEAN			721	316	EXCEEDS
92.8	WHEELING	02-Sep-03	2,800	2,000	EXCEEDS
92.8	WHEELING	09-Sep-03	360	160	
92.8	WHEELING	16-Sep-03	340	180	
92.8	WHEELING	23-Sep-03	566	234	EXCEEDS
92.8	WHEELING	30-Sep-03	400	290	EXCEEDS
GEOMETRIC MEAN			600	330	EXCEEDS
86.8	WHEELING	02-Oct-03	230	136	
86.8	WHEELING	07-Oct-03	40	48	
86.8	WHEELING	14-Oct-03	52	28	
86.8	WHEELING	21-Oct-03	236	63	
86.8	WHEELING	28-Oct-03	300	140	
GEOMETRIC MEAN			128	69	
91.4	WHEELING	02-Oct-03	156	156	
91.4	WHEELING	07-Oct-03	60	46	
91.4	WHEELING	14-Oct-03	840	211	EXCEEDS
91.4	WHEELING	21-Oct-03	240	164	
91.4	WHEELING	28-Oct-03	1,527	530	EXCEEDS
GEOMETRIC MEAN			310	167	EXCEEDS
92.8	WHEELING	02-Oct-03	220	197	
92.8	WHEELING	07-Oct-03	140	92	

# 2003 OHIO RIVER BACTERIA SAMPLING

## 11/3/2003 FINAL REPORT

MILEPOINT	STATION	DATE	FECAL COLIFORM	E. COLI.	
92.8	WHEELING	14-Oct-03	92	14	
92.8	WHEELING	21-Oct-03	470	100	<b>EXCEEDS</b>
92.8	WHEELING	28-Oct-03	500	216	<b>EXCEEDS</b>
		<b>GEOMETRIC MEAN</b>	232	89	<b>EXCEEDS</b>

# 2003 OHIO RIVER BACTERIA SAMPLING

## 11/3/2003 FINAL REPORT

MILEPOINT	STATION	DATE	FECAL COLIFORM	E. COLL.	
305.1	HUNTINGTON	01-May-03	112	16	
305.1	HUNTINGTON	06-May-03	360	380	EXCEEDS
305.1	HUNTINGTON	13-May-03	310	290	EXCEEDS
305.1	HUNTINGTON	20-May-03	380	370	EXCEEDS
305.1	HUNTINGTON	27-May-03	54	28	
GEOMETRIC MEAN			191	113	
308.1	HUNTINGTON	01-May-03	320	104	
308.1	HUNTINGTON	06-May-03	2,500	1,600	EXCEEDS
308.1	HUNTINGTON	13-May-03	4,800	3,300	EXCEEDS
308.1	HUNTINGTON	20-May-03	2,100	764	EXCEEDS
308.1	HUNTINGTON	27-May-03	2,100	1,800	EXCEEDS
GEOMETRIC MEAN			1,761	945	EXCEEDS
314.8	HUNTINGTON	01-May-03	270	84	
314.8	HUNTINGTON	06-May-03	1,300	709	EXCEEDS
314.8	HUNTINGTON	13-May-03	618	673	EXCEEDS
314.8	HUNTINGTON	20-May-03	510	280	EXCEEDS
314.8	HUNTINGTON	27-May-03	230	257	EXCEEDS
GEOMETRIC MEAN			480	310	EXCEEDS
305.1	HUNTINGTON	03-Jun-03	57	12	
305.1	HUNTINGTON	10-Jun-03	320	171	
305.1	HUNTINGTON	17-Jun-03	1,155	580	EXCEEDS
305.1	HUNTINGTON	24-Jun-03	183	92	
305.1	HUNTINGTON	26-Jun-03	56	32	
GEOMETRIC MEAN			185	81	
308.1	HUNTINGTON	03-Jun-03	590	380	EXCEEDS
308.1	HUNTINGTON	10-Jun-03	540	206	EXCEEDS
308.1	HUNTINGTON	17-Jun-03	3,700	2,500	EXCEEDS
308.1	HUNTINGTON	24-Jun-03	440	209	EXCEEDS
308.1	HUNTINGTON	26-Jun-03	140	88	
GEOMETRIC MEAN			592	325	EXCEEDS
314.8	HUNTINGTON	03-Jun-03	543	310	EXCEEDS
314.8	HUNTINGTON	10-Jun-03	410	220	EXCEEDS
314.8	HUNTINGTON	17-Jun-03	691	558	EXCEEDS
314.8	HUNTINGTON	24-Jun-03	4,800	4,000	EXCEEDS
314.8	HUNTINGTON	26-Jun-03	633	420	EXCEEDS
GEOMETRIC MEAN			859	577	EXCEEDS
305.1	HUNTINGTON	01-Jul-03	40	20	
305.1	HUNTINGTON	08-Jul-03	20	20	
305.1	HUNTINGTON	15-Jul-03	230	230	
305.1	HUNTINGTON	22-Jul-03	28	8	
305.1	HUNTINGTON	29-Jul-03	168	83	
GEOMETRIC MEAN			61	36	
308.1	HUNTINGTON	01-Jul-03	140	120	
308.1	HUNTINGTON	08-Jul-03	550	470	EXCEEDS
308.1	HUNTINGTON	15-Jul-03	530	400	EXCEEDS
308.1	HUNTINGTON	22-Jul-03	203	49	
308.1	HUNTINGTON	29-Jul-03	2,300	2,100	EXCEEDS
GEOMETRIC MEAN			453	297	EXCEEDS
314.8	HUNTINGTON	01-Jul-03	80	32	
314.8	HUNTINGTON	08-Jul-03	600	340	EXCEEDS



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MILEPOINT	STATION	DATE	FECAL COLIFORM	E. COLI.	
314.8	HUNTINGTON	15-Jul-03	310	189	
314.8	HUNTINGTON	22-Jul-03	100	12	
314.8	HUNTINGTON	29-Jul-03	220	144	
GEOMETRIC MEAN			201	81	EXCEEDS

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MILEPOINT	STATION	DATE	FECAL COLIFORM	E. COLL.	
305.1	HUNTINGTON	05-Aug-03	140	112	<b>EXCEEDS</b>
305.1	HUNTINGTON	12-Aug-03	250	263	
305.1	HUNTINGTON	19-Aug-03	60	20	
305.1	HUNTINGTON	21-Aug-03	96	74	
305.1	HUNTINGTON	26-Aug-03	194	80	
<b>GEOMETRIC MEAN</b>			131	81	
308.1	HUNTINGTON	05-Aug-03	500	530	<b>EXCEEDS</b>
308.1	HUNTINGTON	12-Aug-03	520	440	<b>EXCEEDS</b>
308.1	HUNTINGTON	19-Aug-03	410	156	<b>EXCEEDS</b>
308.1	HUNTINGTON	21-Aug-03	128	69	
308.1	HUNTINGTON	26-Aug-03	156	84	
<b>GEOMETRIC MEAN</b>			292	184	<b>EXCEEDS</b>
314.8	HUNTINGTON	05-Aug-03	560	544	<b>EXCEEDS</b>
314.8	HUNTINGTON	12-Aug-03	217	209	
314.8	HUNTINGTON	19-Aug-03	96	66	
314.8	HUNTINGTON	21-Aug-03	92	84	
314.8	HUNTINGTON	26-Aug-03	71	46	
<b>GEOMETRIC MEAN</b>			150	124	
305.1	HUNTINGTON	02-Sep-03	88	100	
305.1	HUNTINGTON	09-Sep-03	290	214	
305.1	HUNTINGTON	16-Sep-03	160	92	
305.1	HUNTINGTON	23-Sep-03	208	136	
305.1	HUNTINGTON	30-Sep-03	120	96	
<b>GEOMETRIC MEAN</b>			159	121	
308.1	HUNTINGTON	02-Sep-03	973	517	<b>EXCEEDS</b>
308.1	HUNTINGTON	09-Sep-03	168	166	<b>EXCEEDS</b>
308.1	HUNTINGTON	16-Sep-03	103	100	
308.1	HUNTINGTON	23-Sep-03	511	470	
308.1	HUNTINGTON	30-Sep-03	144	128	
<b>GEOMETRIC MEAN</b>			262	220	<b>EXCEEDS</b>
314.8	HUNTINGTON	02-Sep-03	564	756	<b>EXCEEDS</b>
314.8	HUNTINGTON	09-Sep-03	280	310	<b>EXCEEDS</b>
314.8	HUNTINGTON	16-Sep-03	97	71	
314.8	HUNTINGTON	23-Sep-03	300	206	
314.8	HUNTINGTON	30-Sep-03	188	172	
<b>GEOMETRIC MEAN</b>			244	226	<b>EXCEEDS</b>
305.1	HUNTINGTON	02-Oct-03	116	28	
305.1	HUNTINGTON	07-Oct-03	36	12	
305.1	HUNTINGTON	14-Oct-03	8	4	
305.1	HUNTINGTON	21-Oct-03	64	34	
305.1	HUNTINGTON	28-Oct-03	360	269	
<b>GEOMETRIC MEAN</b>			60	26	
308.1	HUNTINGTON	02-Oct-03	88	40	
308.1	HUNTINGTON	07-Oct-03	112	40	
308.1	HUNTINGTON	14-Oct-03	4,900	300	
308.1	HUNTINGTON	21-Oct-03	84	69	
308.1	HUNTINGTON	28-Oct-03	845	836	
<b>GEOMETRIC MEAN</b>			321	123	<b>EXCEEDS</b>
314.8	HUNTINGTON	02-Oct-03	80	51	
314.8	HUNTINGTON	07-Oct-03	92	84	

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MILEPOINT	STATION	DATE	FECAL COLIFORM	E. COLI.	
314.8	HUNTINGTON	14-Oct-03	92	60	
314.8	HUNTINGTON	21-Oct-03	88	40	
314.8	HUNTINGTON	28-Oct-03	480	520	<b>EXCEEDS</b>
		<b>GEOMETRIC MEAN</b>	123	88	

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MILEPOINT	STATION	DATE	FECAL COLIFORM	E. COLL.	
462.6	CINCINNATI	01-May-03	28	8	
462.6	CINCINNATI	06-May-03	754	691	EXCEEDS
462.6	CINCINNATI	13-May-03	1,000	420	EXCEEDS
462.6	CINCINNATI	20-May-03	340	300	EXCEEDS
462.6	CINCINNATI	27-May-03	120	140	
GEOMETRIC MEAN			244	158	EXCEEDS
470	CINCINNATI	01-May-03	4,000	2,400	EXCEEDS
470	CINCINNATI	06-May-03	5,400	4,000	EXCEEDS
470	CINCINNATI	13-May-03	2,400	1,400	EXCEEDS
470	CINCINNATI	20-May-03	2,800	1,400	EXCEEDS
470	CINCINNATI	27-May-03	5,200	3,600	EXCEEDS
GEOMETRIC MEAN			3,763	2,324	EXCEEDS
477.5	CINCINNATI	01-May-03	120	96	
477.5	CINCINNATI	06-May-03	3,500	2,000	EXCEEDS
477.5	CINCINNATI	13-May-03	1,400	718	EXCEEDS
477.5	CINCINNATI	20-May-03	420	400	EXCEEDS
477.5	CINCINNATI	27-May-03	240	152	
GEOMETRIC MEAN			568	384	EXCEEDS
462.6	CINCINNATI	03-Jun-03	180	128	
462.6	CINCINNATI	10-Jun-03	500	400	EXCEEDS
462.6	CINCINNATI	17-Jun-03	420	400	EXCEEDS
462.6	CINCINNATI	24-Jun-03	280	184	
462.6	CINCINNATI	26-Jun-03	112	92	
GEOMETRIC MEAN			260	203	EXCEEDS
470	CINCINNATI	03-Jun-03	108	480	EXCEEDS
470	CINCINNATI	10-Jun-03	440	370	EXCEEDS
470	CINCINNATI	17-Jun-03	1,145	500	EXCEEDS
470	CINCINNATI	24-Jun-03	400	300	EXCEEDS
470	CINCINNATI	26-Jun-03	177	128	
GEOMETRIC MEAN			329	321	EXCEEDS
477.5	CINCINNATI	03-Jun-03	1,200	580	EXCEEDS
477.5	CINCINNATI	10-Jun-03	600	560	EXCEEDS
477.5	CINCINNATI	17-Jun-03	764	655	EXCEEDS
477.5	CINCINNATI	24-Jun-03	370	260	EXCEEDS
477.5	CINCINNATI	26-Jun-03	152	120	
GEOMETRIC MEAN			499	367	EXCEEDS
462.6	CINCINNATI	01-Jul-03	24	16	
462.6	CINCINNATI	08-Jul-03	176	104	
462.6	CINCINNATI	15-Jul-03	104	80	
462.6	CINCINNATI	22-Jul-03	110	66	
462.6	CINCINNATI	29-Jul-03	116	108	
GEOMETRIC MEAN			89	62	
470	CINCINNATI	01-Jul-03	50	37	
470	CINCINNATI	08-Jul-03	250	152	
470	CINCINNATI	15-Jul-03	192	144	
470	CINCINNATI	22-Jul-03	400	350	EXCEEDS
470	CINCINNATI	29-Jul-03	168	120	
GEOMETRIC MEAN			174	128	
477.5	CINCINNATI	01-Jul-03	49	28	
477.5	CINCINNATI	08-Jul-03	1,400	480	EXCEEDS

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MILEPOINT	STATION	DATE	FECAL COLIFORM	E. COLI.	
477.5	CINCINNATI	15-Jul-03	300	194	<b>EXCEEDS</b>
477.5	CINCINNATI	22-Jul-03	530	500	
477.5	CINCINNATI	29-Jul-03	183	140	
<b>GEOMETRIC MEAN</b>			288	179	<b>EXCEEDS</b>

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MILEPOINT	STATION	DATE	FECAL COLIFORM	E. COLL.	
462.6	CINCINNATI	05-Aug-03	2,400	690	EXCEEDS
462.6	CINCINNATI	12-Aug-03	580	440	EXCEEDS
462.6	CINCINNATI	19-Aug-03	80	60	
462.6	CINCINNATI	21-Aug-03	66	48	
462.6	CINCINNATI	25-Aug-03	112	48	
GEOMETRIC MEAN			242	133	EXCEEDS
470	CINCINNATI	05-Aug-03	540	380	EXCEEDS
470	CINCINNATI	12-Aug-03	580	400	EXCEEDS
470	CINCINNATI	19-Aug-03	160	88	
470	CINCINNATI	21-Aug-03	70	44	
470	CINCINNATI	25-Aug-03	84	49	
GEOMETRIC MEAN			197	124	
477.5	CINCINNATI	05-Aug-03	590	440	EXCEEDS
477.5	CINCINNATI	12-Aug-03	520	440	EXCEEDS
477.5	CINCINNATI	19-Aug-03	80	68	
477.5	CINCINNATI	21-Aug-03	48	52	
477.5	CINCINNATI	25-Aug-03	40	16	
GEOMETRIC MEAN			136	102	
462.6	CINCINNATI	02-Sep-03	3,000	818	EXCEEDS
462.6	CINCINNATI	09-Sep-03	136	217	
462.6	CINCINNATI	16-Sep-03	16	12	
462.6	CINCINNATI	23-Sep-03	627	500	EXCEEDS
462.6	CINCINNATI	30-Sep-03	112	80	
GEOMETRIC MEAN			215	153	EXCEEDS
470	CINCINNATI	02-Sep-03	3,400	927	EXCEEDS
470	CINCINNATI	09-Sep-03	209	350	EXCEEDS
470	CINCINNATI	16-Sep-03	420	200	EXCEEDS
470	CINCINNATI	23-Sep-03	1,000	900	EXCEEDS
470	CINCINNATI	30-Sep-03	72	66	
GEOMETRIC MEAN			464	329	EXCEEDS
477.5	CINCINNATI	02-Sep-03	4,600	2,200	EXCEEDS
477.5	CINCINNATI	09-Sep-03	144	144	
477.5	CINCINNATI	16-Sep-03	180	64	
477.5	CINCINNATI	23-Sep-03	900	600	EXCEEDS
477.5	CINCINNATI	30-Sep-03	120	96	
GEOMETRIC MEAN			419	259	EXCEEDS
462.6	CINCINNATI	07-Oct-03	30	16	
462.6	CINCINNATI	09-Oct-03	14	14	
462.6	CINCINNATI	14-Oct-03	28	8	
462.6	CINCINNATI	21-Oct-03	37	24	
462.6	CINCINNATI	28-Oct-03	36	16	
GEOMETRIC MEAN			27	15	
470	CINCINNATI	07-Oct-03	28	28	
470	CINCINNATI	21-Oct-03	132	44	
470	CINCINNATI	28-Oct-03	80	56	
477.5	CINCINNATI	07-Oct-03	20	12	
477.5	CINCINNATI	09-Oct-03	20	20	
477.5	CINCINNATI	14-Oct-03	16	4	
477.5	CINCINNATI	21-Oct-03	164	56	

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MILEPOINT	STATION	DATE	FECAL COLIFORM	E. COLI.	
477.5	CINCINNATI	28-Oct-03	24	8	
		GEOMETRIC MEAN	30	13	

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MILEPOINT	STATION	DATE	FECAL COLIFORM	E. COLL.	
594	LOUISVILLE	01-May-03	60	49	
594	LOUISVILLE	06-May-03	2,300	1,300	EXCEEDS
594	LOUISVILLE	13-May-03	2,100	650	EXCEEDS
594	LOUISVILLE	20-May-03	690	380	EXCEEDS
594	LOUISVILLE	28-May-03	330	246	EXCEEDS
GEOMETRIC MEAN			581	329	EXCEEDS
608.7	LOUISVILLE	01-May-03	44	48	
608.7	LOUISVILLE	06-May-03	1,900	1,200	EXCEEDS
608.7	LOUISVILLE	13-May-03	1,000	600	EXCEEDS
608.7	LOUISVILLE	20-May-03	580	390	EXCEEDS
608.7	LOUISVILLE	28-May-03	420	470	EXCEEDS
GEOMETRIC MEAN			459	363	EXCEEDS
619.3	LOUISVILLE	01-May-03	7,100	2,500	EXCEEDS
619.3	LOUISVILLE	06-May-03	2,800	2,400	EXCEEDS
619.3	LOUISVILLE	13-May-03	15,500	15,600	EXCEEDS
619.3	LOUISVILLE	20-May-03	7,300	5,300	EXCEEDS
619.3	LOUISVILLE	28-May-03	673	450	EXCEEDS
GEOMETRIC MEAN			4,325	2,950	EXCEEDS
594	LOUISVILLE	03-Jun-03	230	217	
594	LOUISVILLE	10-Jun-03	580	480	EXCEEDS
594	LOUISVILLE	17-Jun-03	1,240	945	EXCEEDS
594	LOUISVILLE	24-Jun-03	390	246	EXCEEDS
594	LOUISVILLE	26-Jun-03	240	200	
GEOMETRIC MEAN			434	344	EXCEEDS
608.7	LOUISVILLE	03-Jun-03	350	220	
608.7	LOUISVILLE	10-Jun-03	550	450	EXCEEDS
608.7	LOUISVILLE	17-Jun-03	800	530	EXCEEDS
608.7	LOUISVILLE	24-Jun-03	380	300	EXCEEDS
608.7	LOUISVILLE	26-Jun-03	180	152	
GEOMETRIC MEAN			402	299	EXCEEDS
619.3	LOUISVILLE	03-Jun-03	22,500	16,600	EXCEEDS
619.3	LOUISVILLE	10-Jun-03	580	231	EXCEEDS
619.3	LOUISVILLE	17-Jun-03	2,000	973	EXCEEDS
619.3	LOUISVILLE	24-Jun-03	700	550	EXCEEDS
619.3	LOUISVILLE	26-Jun-03	460	217	EXCEEDS
GEOMETRIC MEAN			1,531	851	EXCEEDS
594	LOUISVILLE	01-Jul-03	144	120	
594	LOUISVILLE	08-Jul-03	57	20	
594	LOUISVILLE	15-Jul-03	350	223	
594	LOUISVILLE	22-Jul-03	71	16	
594	LOUISVILLE	29-Jul-03	136	50	
GEOMETRIC MEAN			123	53	
608.7	LOUISVILLE	01-Jul-03	43	40	
608.7	LOUISVILLE	08-Jul-03	23	24	
608.7	LOUISVILLE	15-Jul-03	280	146	
608.7	LOUISVILLE	22-Jul-03	71	48	
608.7	LOUISVILLE	29-Jul-03	360	214	
GEOMETRIC MEAN			93	68	
619.3	LOUISVILLE	01-Jul-03	108	100	
619.3	LOUISVILLE	08-Jul-03	157	57	



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MILEPOINT	STATION	DATE	FECAL COLIFORM	E. COLI.	
619.3	LOUISVILLE	15-Jul-03	200	144	<b>EXCEEDS</b>
619.3	LOUISVILLE	22-Jul-03	3,000	664	
619.3	LOUISVILLE	29-Jul-03	250	160	
<b>GEOMETRIC MEAN</b>			<b>303</b>	<b>154</b>	<b>EXCEEDS</b>

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MILEPOINT	STATION	DATE	FECAL COLIFORM	E. COLL.	
594	LOUISVILLE	05-Aug-03	237	180	
594	LOUISVILLE	12-Aug-03	237	152	
594	LOUISVILLE	19-Aug-03	28	11	
594	LOUISVILLE	26-Aug-03	34	11	
608.7	LOUISVILLE	05-Aug-03	240	196	
608.7	LOUISVILLE	12-Aug-03	1,200	500	EXCEEDS
608.7	LOUISVILLE	19-Aug-03	200	120	
608.7	LOUISVILLE	26-Aug-03	86	16	
619.3	LOUISVILLE	05-Aug-03	32,500	19,600	EXCEEDS
619.3	LOUISVILLE	12-Aug-03	480	243	EXCEEDS
619.3	LOUISVILLE	19-Aug-03	745	380	EXCEEDS
619.3	LOUISVILLE	26-Aug-03	560	243	EXCEEDS
594	LOUISVILLE	02-Sep-03	2,200	1,780	EXCEEDS
594	LOUISVILLE	09-Sep-03	300	220	
594	LOUISVILLE	16-Sep-03	44	20	
594	LOUISVILLE	23-Sep-03	116	84	
594	LOUISVILLE	30-Sep-03	470	420	EXCEEDS
		GEOMETRIC MEAN	275	194	EXCEEDS
608.7	LOUISVILLE	02-Sep-03	2,000	1,830	EXCEEDS
608.7	LOUISVILLE	09-Sep-03	480	220	EXCEEDS
608.7	LOUISVILLE	16-Sep-03	64	20	
608.7	LOUISVILLE	23-Sep-03	477	230	EXCEEDS
608.7	LOUISVILLE	30-Sep-03	854	310	EXCEEDS
		GEOMETRIC MEAN	478	225	EXCEEDS
619.3	LOUISVILLE	02-Sep-03	26,000	14,400	EXCEEDS
619.3	LOUISVILLE	09-Sep-03	214	100	
619.3	LOUISVILLE	16-Sep-03	12,500	7,300	EXCEEDS
619.3	LOUISVILLE	23-Sep-03	3,900	908	EXCEEDS
619.3	LOUISVILLE	30-Sep-03	52,000	34,000	EXCEEDS
		GEOMETRIC MEAN	6,759	3,179	EXCEEDS
594	LOUISVILLE	07-Oct-03	80	12	
594	LOUISVILLE	09-Oct-03	24	17	
594	LOUISVILLE	14-Oct-03	11,000	7,000	EXCEEDS
594	LOUISVILLE	21-Oct-03	60	20	
594	LOUISVILLE	28-Oct-03	9	6	
		GEOMETRIC MEAN	103	44	
608.7	LOUISVILLE	07-Oct-03	116	57	
608.7	LOUISVILLE	09-Oct-03	11	17	
608.7	LOUISVILLE	14-Oct-03	300	92	
608.7	LOUISVILLE	21-Oct-03	29	20	
608.7	LOUISVILLE	28-Oct-03	4	12	
		GEOMETRIC MEAN	34	29	
619.3	LOUISVILLE	07-Oct-03	140	66	
619.3	LOUISVILLE	09-Oct-03	581	664	EXCEEDS
619.3	LOUISVILLE	14-Oct-03	694	280	EXCEEDS
619.3	LOUISVILLE	21-Oct-03	112	63	
619.3	LOUISVILLE	21-Oct-03	600	390	EXCEEDS
		GEOMETRIC MEAN	328	198	EXCEEDS

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MILEPOINT	STATION	DATE	FECAL COLIFORM	E. COLL.	
791.5	EVANSVILLE	01-May-03	134	152	
791.5	EVANSVILLE	06-May-03	1,300	420	EXCEEDS
791.5	EVANSVILLE	13-May-03	2,400	430	EXCEEDS
791.5	EVANSVILLE	20-May-03	5,700	1,400	EXCEEDS
791.5	EVANSVILLE	27-May-03	246	226	
GEOMETRIC MEAN			899	387	EXCEEDS
793.7	EVANSVILLE	01-May-03	237	89	
793.7	EVANSVILLE	06-May-03	5,700	1,000	EXCEEDS
793.7	EVANSVILLE	13-May-03	1,070	670	EXCEEDS
793.7	EVANSVILLE	20-May-03	4,900	1,500	EXCEEDS
793.7	EVANSVILLE	27-May-03	400	400	EXCEEDS
GEOMETRIC MEAN			1,232	514	EXCEEDS
797.3	EVANSVILLE	01-May-03	128	71	
797.3	EVANSVILLE	06-May-03	2,000	750	EXCEEDS
797.3	EVANSVILLE	13-May-03	380	300	EXCEEDS
797.3	EVANSVILLE	20-May-03	1,160	590	EXCEEDS
797.3	EVANSVILLE	27-May-03	229	132	
GEOMETRIC MEAN			481	262	EXCEEDS
791.5	EVANSVILLE	03-Jun-03	217	148	
791.5	EVANSVILLE	10-Jun-03	940	466	EXCEEDS
791.5	EVANSVILLE	17-Jun-03	360	200	
791.5	EVANSVILLE	24-Jun-03	594	230	EXCEEDS
791.5	EVANSVILLE	26-Jun-03	320	263	EXCEEDS
GEOMETRIC MEAN			426	242	EXCEEDS
793.7	EVANSVILLE	03-Jun-03	1,800	1,340	EXCEEDS
793.7	EVANSVILLE	10-Jun-03	3,700	860	EXCEEDS
793.7	EVANSVILLE	17-Jun-03	180	156	
793.7	EVANSVILLE	24-Jun-03	645	380	EXCEEDS
793.7	EVANSVILLE	26-Jun-03	410	234	EXCEEDS
GEOMETRIC MEAN			795	437	EXCEEDS
797.3	EVANSVILLE	03-Jun-03	3,300	800	EXCEEDS
797.3	EVANSVILLE	10-Jun-03	760	410	EXCEEDS
797.3	EVANSVILLE	17-Jun-03	280	172	
797.3	EVANSVILLE	24-Jun-03	645	390	EXCEEDS
797.3	EVANSVILLE	26-Jun-03	1,140	964	EXCEEDS
GEOMETRIC MEAN			876	463	EXCEEDS
791.5	EVANSVILLE	01-Jul-03	270	46	
791.5	EVANSVILLE	08-Jul-03	80	51	
791.5	EVANSVILLE	15-Jul-03	360	216	
791.5	EVANSVILLE	22-Jul-03	955	736	EXCEEDS
791.5	EVANSVILLE	29-Jul-03	180	32	
GEOMETRIC MEAN			266	104	EXCEEDS
793.7	EVANSVILLE	01-Jul-03	60	49	
793.7	EVANSVILLE	08-Jul-03	194	120	
793.7	EVANSVILLE	15-Jul-03	290	280	EXCEEDS
793.7	EVANSVILLE	22-Jul-03	2,400	791	EXCEEDS
793.7	EVANSVILLE	29-Jul-03	246	16	
GEOMETRIC MEAN			288	116	EXCEEDS
797.3	EVANSVILLE	01-Jul-03	144	40	
797.3	EVANSVILLE	08-Jul-03	100	54	

# 2003 OHIO RIVER BACTERIA SAMPLING

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MILEPOINT	STATION	DATE	FECAL COLIFORM	E. COLI.	
797.3	EVANSVILLE	15-Jul-03	450	220	<b>EXCEEDS</b>
797.3	EVANSVILLE	22-Jul-03	736	350	<b>EXCEEDS</b>
797.3	EVANSVILLE	29-Jul-03	152	44	
<b>GEOMETRIC MEAN</b>			236	94	<b>EXCEEDS</b>

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MILEPOINT	STATION	DATE	FECAL COLIFORM	E. COLL.	
791.5	EVANSVILLE	05-Aug-03	80	52	
791.5	EVANSVILLE	12-Aug-03	83	51	
791.5	EVANSVILLE	19-Aug-03	116	48	
791.5	EVANSVILLE	21-Aug-03	210	60	
791.5	EVANSVILLE	26-Aug-03	52	8	
GEOMETRIC MEAN			97	36	
793.7	EVANSVILLE	05-Aug-03	1,210	440	EXCEEDS
793.7	EVANSVILLE	12-Aug-03	204	51	
793.7	EVANSVILLE	19-Aug-03	240	136	
793.7	EVANSVILLE	21-Aug-03	331	43	
793.7	EVANSVILLE	26-Aug-03	714	211	EXCEEDS
GEOMETRIC MEAN			426	123	EXCEEDS
797.3	EVANSVILLE	05-Aug-03	243	160	
797.3	EVANSVILLE	12-Aug-03	172	100	
797.3	EVANSVILLE	19-Aug-03	160	28	
797.3	EVANSVILLE	21-Aug-03	152	96	
797.3	EVANSVILLE	26-Aug-03	400	1,260	EXCEEDS
GEOMETRIC MEAN			210	140	EXCEEDS
791.5	EVANSVILLE	02-Sep-03	250	112	
791.5	EVANSVILLE	09-Sep-03	340	57	
791.5	EVANSVILLE	16-Sep-03	22	8	
791.5	EVANSVILLE	23-Sep-03	100	144	
791.5	EVANSVILLE	30-Sep-03	220	40	
GEOMETRIC MEAN			133	49	
793.7	EVANSVILLE	02-Sep-03	13,500	7,700	EXCEEDS
793.7	EVANSVILLE	09-Sep-03	237	132	
793.7	EVANSVILLE	16-Sep-03	144	91	
793.7	EVANSVILLE	23-Sep-03	606	390	EXCEEDS
793.7	EVANSVILLE	30-Sep-03	310	152	
GEOMETRIC MEAN			613	353	EXCEEDS
797.3	EVANSVILLE	02-Sep-03	10,200	4,200	EXCEEDS
797.3	EVANSVILLE	09-Sep-03	136	56	
797.3	EVANSVILLE	16-Sep-03	43	40	
797.3	EVANSVILLE	23-Sep-03	320	192	
797.3	EVANSVILLE	30-Sep-03	330	176	
GEOMETRIC MEAN			363	200	EXCEEDS
791.5	EVANSVILLE	02-Oct-03	160	100	
791.5	EVANSVILLE	07-Oct-03	56	20	
791.5	EVANSVILLE	14-Oct-03	206	77	
791.5	EVANSVILLE	21-Oct-03	216	96	
791.5	EVANSVILLE	28-Oct-03	200	100	
GEOMETRIC MEAN			151	68	
793.7	EVANSVILLE	02-Oct-03	211	152	
793.7	EVANSVILLE	07-Oct-03	66	57	
793.7	EVANSVILLE	14-Oct-03	9,000	6,500	EXCEEDS
793.7	EVANSVILLE	21-Oct-03	350	240	
793.7	EVANSVILLE	28-Oct-03	260	192	
GEOMETRIC MEAN			409	304	EXCEEDS
797.3	EVANSVILLE	02-Oct-03	266	132	
797.3	EVANSVILLE	07-Oct-03	140	60	

# 2003 OHIO RIVER BACTERIA SAMPLING

## 11/3/2003 FINAL REPORT

MILEPOINT	STATION	DATE	FECAL COLIFORM	E. COLI	
797.3	EVANSVILLE	14-Oct-03	166	63	
797.3	EVANSVILLE	21-Oct-03	340	200	
797.3	EVANSVILLE	28-Oct-03	250	100	
<b>GEOMETRIC MEAN</b>			221	100	<b>EXCEEDS</b>

FECAL- Not to exceed 400 in more than 10% of samples taken during month  
 Not to exceed 200 as a monthly geometric mean (at least 5 samples required)

E.COLI- Not to exceed 240 in any single sample  
 Not to exceed 130 as a monthly geometric mean (at least 5 samples required)