Allegheny County Health Department

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July 14, 1995

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JUL 26 1995
Enforcement Programs Section
EPA Region III

Ms. Marie Kocoshis, President
Group Against Smog and Pollution
P.O. Box 5165
Pittsburgh, PA 15206

Dear Ms. Kocoshis:

This letter is to confirm that the Allegheny County Division of Air Quality and the Pennsylvania Department of Environmental Resources will meet with the Group Against Smog and Pollution on Thursday, August 3, 1995 to review the results of the Quench Water Sampling and Analysis Program conducted in 1994 at the USX Clairton Works. EPA Region III will participate in the meeting by way of a conference call. The meeting will be held at the Division of Air Quality's conference room and will start at 1 PM.

Enclosed for your information and review is a summary of the sampling results. Some further explanation and/or interpretation is necessary in order to fully understand this summary. Such explanation and interpretation will be provided by the agencies at the August 3 meeting.

Please contact me if you have any questions.

Very truly yours,

Charles J. Goetz

Charles J. Goetz
Assistant County Solicitor

CJG:mh

Enclosure

cc: Kirk Junker (w/Enclosure)
William Smith (" ")
Roger C. Westman (" ")

25-CS-1194

ALLEGHENY COUNTY SPECIAL QUENCH SUMP SAMPLING PROGRAM

Combined DER and USX Samples

Sample Location		Alkalinity, mg/l	BOD_5, mg/l	NH_3-N, mg/l	pH s.u.	Phenol, ug/l	CN, ug/l	Dissolved Solids, Total mg/l	TPH, mg/l	Total Solids, mg/l	Suspended Solids, Total mg/l	As, ug/l	Pb, ug/l	Hg, ug/l	Benzene, ug/l	Napthalene, ug/l	Phenanthrene, ug/l	benzo(a)pyrene, ug/l	CN, free, gu/l
1-3/7-9	2/3/94	28	3.6	0.29	7.8	64	70.0	376	<0.5	558	182	<100	<25	<1.0	*	*	*	*	2.0
Battery	2/17/94	36	3.5	0.73	8.4	113	73.0	336	0.82	470	134	81.25	<50	<1.0	*	*	*	*	2.0
DER	2/28/94	34	3.0	0.26	9.0	145	75.0	314	<0.5	558	244	54.7	<50	<1.0	ND	0.7	ND	ND	2.0
	4/21/94	28	2.0	0.26	8.1	60	70.0	360	0.65	552	192	67.48	4.94	<1.0	*	*	*	*	*
	5/19/94	38	3.6	0.23	9.0	75	85.0	342	<2.0	390	48	55.33	<4.0	<1.0	ND	ND	ND	ND	*
1-3/7-9	1/27/94	36	4.2	0.36	7.5	120	9.0	390	<0.5	430	91	55.0	<3.0	<.20	<5	<10	<10	0.57	
Battery	2/3/94																		
USX	2/17/94	27	1.0	0.39	7.9	120	5.0	330	0.68	550	140	63.0	5.0	<.20	<5	<10	<10	0.74	
	2/28/94																		
	4/21/94	29	6.0	<0.05	9.1	64.0	<5.0	330	<0.5	420	51	59.0	<3.0	<.20	<5	<10	<10	1.74	
	5/19/94																		
B	2/3/94	32	3.0	0.65	7.8	5.0	155.0	404	<0.5	546	142	<100	<25	<1.0	*	3.0	*	*	18.0
Battery	2/17/94	44	1.5	0.63	8.9	83	108.0	440	<0.5	510	70	58.53	<50	<1.0	*	3.0	*	*	5.0
DER	2/28/94	32	2.4	0.67	8.7	15	155.0	374	<0.5	828	454	73.38	<50	<1.0	ND	1.7	ND	ND	6.0
	4/21/94	30	2.0	0.64	8.3	65	250.0	450	<0.5	514	64	37.56	<4.0	<1.0	*	*	*	*	*
	5/19/94	32	2.0	0.51	8.3	5.0	205.0	344	<2.0	512	168	57.43	4.16	<1.0	ND	ND	ND	ND	*
B	1/27/94	34	3.0	0.69	8.1	240	13.0	440	0.50	490	98	36.0	4.0	<.20	<5	<10	<10	0.88	
Battery	2/3/94																		
USX	2/17/94	36	1.0	0.85	8.9	98.0	7.0	410	<0.5	610	98	37.0	3.5	<.20	<5	11	<10	0.38	
	2/28/94																		
	4/21/94	35	7.0	0.12	9.1	89.0	22.0	420	<0.5	500	57	38.0	<3.0	<.20	<5	<10	<10	2.67	
	5/19/94																		
13-15	2/3/94	28	1.5	0.33	8.9	10	*	340	<0.5	400	60	*	*	<1.0	*	1.3	*	*	*
Battery	2/17/94	38	0.75	0.29	8.9	35	80.0	306	<0.5	352	46	74.17	<50	<1.0	*	1.1	*	*	6.0
DER	2/28/94	24	0.6	0.32	8.6	23	155.0	292	<0.5	364	72	90.38	*	<1.0	ND	0.5	ND	ND	5.0
	4/21/94	48	3.0	0.15	9.9	50	15.0	394	2.7	520	126	50	4.53	<1.0	*	*	*	*	*
	5/19/94	30	1.2	0.31	8.6	83	200.0	318	<2.0	362	44	82.54	<4.0	<1.0	ND	ND	ND	ND	*
13-15	1/27/94	36	3.6	0.42	7.9	24.0	21.0	340	0.50	370	54	43.0	<3.0	<.20	<5	<10	<10	0.13	
Battery	2/3/94																		
USX	2/17/94	31	2.0	0.50	9.2	28.0	5.0	280	0.76	410	58	53.0	3.6	<.20	<5	<10	<10	0.16	
	2/28/94																		
	4/21/94	24	10.0	0.11	10.5	15.0	17.0	380	<0.5	520	92	46.0	<3.0	<.20	<5	<10	<10	1.01	
	5/19/94																		

ALLEGHENY COUNTY SPECIAL QUENCH SUMP SAMPLING PROGRAM

Combined DER and USX Samples

Sample Location		Alkalinity, mg/l	BOD_5, mg/l	NH_3-N, mg/l	pH s.u.	Phenol, ug/l	CN, ug/l	Dissolved Solids, Total mg/l	TPH, mg/l	Total Solids, mg/l	Suspended Solids, Total mg/l	As, ug/l	Pb, ug/l	Hg, ug/l	Benzene, ug/l	Natphalene, ug/l	Phenanthrene, ug/l	benzo(a)pyrene, ug/l	CN, free, ug/l
19-20 Battery DER	2/3/94	38	4.0	0.65	9.2	144	125.0	342	<0.5	554	212	<100	108	<1.0	*	2.3	*	*	3.0
	2/17/94	36	2.5	0.43	8.6	215	110.0	310	<0.5	454	144	73.13	<50	<1.0	1.5	2.7	*	*	1.0
	2/28/94	28	1.2	*	8.7	63	130.0	*	<0.5	*	*	100.7	<50	<1.0	0.7	1.5	ND	ND	6.0
	4/21/94	28	3.5	0.38	9.4	215	300.0	438	0.65	508	70	<4.0	8.55	<1.0	*	*	*	*	*
	5/19/94	38	6.0	0.57	8.9	288	280.0	324	<2.0	498	174	79.73	8.13	<1.0	2.0	5.97	20.5	ND	*
19-20 Battery USX	1/27/94	32	5.4	0.58	7.6	140	<5.0	340	0.74	420	58	45.0	16.0	<.20	<5	<10	<10	0.44	
	2/3/94																		
	2/17/94	31	1.0	0.47	8.8	250	5.0	310	3.40	520	140	52.0	67.0	<.20	<5	<10	<10	0.77	
	2/28/94																		
	4/21/94	26	6.0	<0.05	9.9	200	25.0	390	<0.5	480	72	32.0	22.0	<.20	<5	<10	<10	3.99	
	5/19/94																		
Quench Water Avg.		32.72	3.16	0.44 **	8.7	98.25	95.5 **	360	1.14 **	489.35	117.9	59.09 **	19.95 **		1.4	2.9 **	20.5 **	1.12 **	5.0
Intake Avg.		26.25	1.7 **	0.13 **	6.8	2.0 **	3.0 **	156.33	1.2 **	211.43	46.43	5.72 **	5.15 **						
River Water Intake DER	2/3/94	22	0.8	0.13	6.7	0	1.0	*	<0.5	190	34	<100	<25	<1.0	*	*	*	*	<1.0
	2/17/94	26	1.6	0.14	6.5	0	<1.0	154	<0.5	204	50	5.72	<50	<1.0	*	*	*	*	<1.0
	2/28/94	26	1.2	*	7.0	0	<1.0	*	1.2	*	*	<4.0	<50	<1.0	ND	ND	ND	ND	<1.0
	4/21/94	26	0.8	0.09	6.3	0	<1.0	174	<0.5	204	30	<4.0	<4.0	<1.0	*	*	*	*	*
	5/19/94	26	0.8	0.09	6.3	0	<1.0	160	<0.5	162	2.0	<4.0	<4.0	<1.0	ND	ND	ND	ND	*
River Water Intake USX	1/27/94	34	<1.0	0.25	6.7	12.0	<5.0	180	<0.5	290	130	<5.0	6.6	<.20	<5	<10	<10	<0.02	
	2/3/94																		
	2/17/94	21	2.0	0.07	6.5	<4.0	5.0	120	<0.5	240	66	<5.0	3.7	<.20	<5	<10	<10	<0.02	
	2/28/94																		
	4/21/94	29	5.0	<0.05	8.3	<4.0	<5.0	150	<0.5	190	13	<5.0	<3.0	<.20	<5	<10	<10	<0.02	
	5/19/94																		

*parameter not analyzed

**averages do not include samples for which the parameter analyzed was below detection limits, as indicated by either "<" or "ND".

Blank averages are due to all sample analyses being below detection limits.