WA 69D6
02/17/86
6b

COLUMN NUMBER (sorted by wells)-->	64	65	66	67	68	69	70	71	72	73	74 *	76	77	78	79	80	81
COLUMN NUMBER (unsorted version)-->	67	68	69	70	71	72	73	74	75	76	77 *	79	80	81	82	83	84
Sample Location	RBT	RBT	RBT	RBT	RBT	RBT	RBT	RBT	RBT	RBT	SOIL	PWT	PWT	PWT	E P	PDWS	SDWS
Sample Identification	1-4A	2-1A	2-2A	2-3A	2-4A	3-1	3-2A	3-3A	4-1A	4-2A		FLY ASH	MULTICONE	BOTTOM	TOXICITY	EPA	EPA
Well Number	AH-1	AH-2	AH-2	AH-2	AH-2	AH-3	AH-3	AH-3	AH-4	AH-4	----------	S, BAGHOUSE	ASH	ASH	mg/l	PRIMARY	SECONDARY
Sample Date	08-Sep-83	08-Sep-83	08-Sep-83	08-Sep-83	08-Sep-83	08-Sep-83	08-Sep-83	08-Sep-83	13-Sep-83	13-Sep-83	MAXIMUM	13-Apr-82	13-Apr-82	13-Apr-82	MCL	DRINKING	DRINKING
Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	VALUES	ASH	ASH	ASH		WATER	WATER
Sample Depth, Ft	20	3	8	13	18	11	16	22	41	51	: LOWER					STDS,	STDS,
Laboratory (A)	LAUCKS	LAUCKS	LAUCKS	LAUCKS	LAUCKS	LAUCKS	LAUCKS	LAUCKS	LAUCKS	LAUCKS	LIMIT OF	DOE	DOE	DOE		mg/l	mg/l
Report Number or Date	9/30/83	9/30/83	9/30/83	9/30/83	9/30/83	9/30/83	9/30/83	9/30/83	9/30/83	9/30/83	DETECTION					MCL	MCL
Sample Number or Bottle Number	4	9	11	13	15	17	18	20	22	23		82-1719	82-1720	82-1721			
CONSTITUENT CONCENTRATION, ppm (B)																	
METALS, TOTAL																	
Arsenic												600	85	55		0,050	
Cadmium												15,5	2.0	1,0		0,010	
Chromium												0,54	0,20	0.78		0,050	
Copper												19,5	1,6	1,85			1,0
Lead												6,5	0,65	0,25		0,050	
Mercury												<0,1	<0,1	<0,1		0,002	
Nickel												0,55	0,30	0,22			
Selenium												14	10	9		0,010	
Silver												<0,04	<0,04	<0,04		0,050	
Zinc												190	1,3	0,97			
Barium												150	530	560		1,000	
OTHER PARAMETERS																	
Total Phenols																	
Naphthalene	<0,200	<0,200	<0,200	<0,200	<0,200	<0,200	<0,200	<0,200	<0,200	<0,200	0						
Pentachlorophenol	<0,1000	<0,1000	<0,1000	<0,1000	<0,1000	<0,1000	<0,1000	<0,1000	<0,1000	<0,1000	0						
Conductivity,umho/cm																	
Sulfates																	250
pH (units)																6,5-8,5	
Total Solids, %	83,9%	80,7%	82,6%	81,2%	80,0%	80,8%	80,0%	68,7%	86,0%	91,7%							
E P TOXICITY																	
Arsenic	<0,002	<0,002	<0,002	<0,002	<0,002	0,012	<0,002	<0,002	<0,002	<0,002	0,012	72	2,3	0,5	5		
Cadmium												0,44	0,03	0,02	1		
Chromium												0,5	0,03	0,02	5		
Lead												0,48	0,08	0,12	5		
Silver												<0,04	<0,04	<0,04	5		
Barium												1,0	2,8	3,3	100		
Selenium												0.49	0,13	0.005	1		
FOOTNOTES applicable to each column:	5	5	5	5	5	5	5	5	5	5	7						

USEPA RCRA 3058197

file name pwt-sort.wrk, disk

ENVIRONMENTAL SAMPLING/ANALYSIS DATA & EVALUATION RIDGEFIELD BRICK & TILE (SORTED BY WELL, ETC.)

COLUMN NUMBER (sorted by wells)-->	1	2	3	4	5	6 *	8	9	10	11	12	13 *	15	16	17	18	19	20 *
COLUMN NUMBER (unsorted version)-->	2	9	14	19	24	29 *	3	10	15	20	25	30 *	4	11	16	21	26	31 *
Sample Location	FALLS	FALLS	FALLS	FALLS	FALLS	FALLS	RUTOWSKI	RUTOWSKI	RUTOWSKI	RUTOWSKI	RUTOWSKI	RUTOWSKI	MUFFET	MUFFET	MUFFET	MUFFET	MUFFET	MUFFET
Sample Identification	WELL	WELL	WELL	WELL	WELL	WELL	WELL	WELL	WELL	WELL	WELL	WELL	WELL	WELL	WELL	WELL	WELL	WELL
Well Number	2	2	2	2	2	2	4	4	4	4	4	4	5	5	5	5	5	5
Sample Date	31-May-83	10-Jan-84	23-Mar-84	12-Jun-84	13-Sep-84	22-Dec-85	31-May-83	14-Dec-83	23-Mar-84	12-Jun-84	13-Sep-84	22-Dec-85	31-May-83	10-Jan-84	23-Mar-84	12-Jun-84	13-Sep-84	12-Dec-85
Sample Type	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Sample Depth, Ft																		
Laboratory (A)	PWT	LAUCKS	LAUCKS	LAUCKS	LAUCKS	LAUCKS	PWT	LAUCKS	LAUCKS	LAUCKS	LAUCKS	LAUCKS	PWT	LAUCKS	LAUCKS	LAUCKS	LAUCKS	LAUCKS
Report Number or Date	6/2/83	1/24/84	4/20/84	7/4/84	11/7/84	94496	6/2/83	2/3/84	4/20/84	7/4/84	11/7/84	94496	6/2/83	1/24/84	4/20/84	7/4/84	11/7/84	94387
Sample Number or Bottle Number	4	3	4	1	3	2	5	3	1	3	4	1	2	2	2	2	5	2A
CONSTITUENT CONCENTRATION, ppm (B)																		
METALS, TOTAL																		
Arsenic	<0,01	<0,005	0,014	<0,005	<0,005	<0,005	<0,01	<0,005	<0,005	<0,005	<0,005	<0,005	<0,01	<0,005	<0,005	<0,005	<0,005	<0,005
Cadmium		<0,002	<0,002	<0,002	<0,002	<0,002		<0,002	<0,002	<0,002	<0,002	<0,002		<0,002	<0,002	<0,002	<0,002	<0,002
Chromium	<0,06	<0,01	<0,005	<0,01	<0,01	<0,01	0,08	<0,01	<0,005	<0,01	<0,01	<0,01	<0,06	<0,01	<0,005	<0,01	<0,01	<0,01
Copper	<0,03	0,050	0,022	0,005	0,008	0,008	<0,03	0,013	<0,005	<0,005	<0,005	<0,005	<0,03	<0,005	<0,005	<0,005	<0,005	<0,005
Lead		<0,010	<0,005	<0,010	<0,010	<0,010		<0,010	<0,005	<0,010	<0,010	<0,010		<0,010	<0,005	<0,010	<0,010	<0,010
Mercury		<0,001	<0,001	<0,001	<0,001	<0,001		<0,001	<0,001	<0,001	<0,001	<0,001		<0,001	<0,001	<0,001	<0,001	<0,001
Nickel																		
Selenium		<0,005	<0,005	<0,005	<0,005	<0,005		<0,005	<0,005	<0,005	<0,005	<0,005		<0,005	<0,005	<0,005	<0,005	<0,005
Silver		<0,01	<0,01	<0,01	<0,01	<0,01		<0,01	<0,01	<0,01	<0,01	<0,01		<0,01	<0,01	<0,01	<0,01	<0,01
Zinc																		
Barium		<0,1	0,1	<0,10	<0,10	<0,10		<0,10	<0,1	<0,10	<0,10	<0,10		<0,1	0,1	<0,10	<0,10	<0,10
OTHER PARAMETERS																		
Total Phenols	<0,1			<0,005	<0,005	<0,005	<0,1			<0,005	<0,005	<0,005	<0,1			0,013	<0,005	<0,005
Naphthalene		<0,001	<0,005	<0,001	<0,001	<0,001		<0,001	<0,005	<0,001	<0,001	<0,001		<0,001	<0,005	<0,001	<0,001	<0,001
Pentachlorophenol	0,100	<0,00001	<0,0001	0,00086	<0,0001 **	<0,00075	<0,1	<0,00001	<0,0001	0,00013	<0,0001 **	<0,00075	<0,1	<0,00001	<0,0001	0,00043	<0,0001 **	<0,00075
Conductivity,umho/cm	210		210	160	150	220	240		280	200	200	270	260		250	190	200	240
Sulfates	<80						<80						<80					
pH (units)	7,51		7,7	7,1	6,9	7	7,04		7,6	7,3	6,9	7,1	7,20		7,6	7,1	7,0	6,9
Total Solids, %																		
E P TOXICITY																		
Arsenic																		
Cadmium																		
Chromium																		
Lead																		
Silver																		
Barium																		
Selenium																		
FOOTNOTES applicable to each column:	1,2				4		1,2				4		1,2				4	

COLUMN NUMBER (sorted by wells)-->	22	23	24	25	26	27 *	29	30	31	32 *	34	35	36	37	38	39	40	41
COLUMN NUMBER (unsorted version)-->	7	12	17	22	27	32 *	5	33	6	34 *	43	42	46	45	47	49	51	50
Sample Location	RYF	RYF	RYF	RYF	RYF	RYF	THORNTON	THORNTON	ELLIG	RANDALL(MI	RBT	RBT	RBT	RBT	RBT	RBT	RBT	RBT
Sample Identification	WELL	WELL	WELL	WELL	WELL	WELL	WELL	WELL	WELL	WELL	LS-3	LS-1	LS-2	LS-1	LS-3	LS-1	LS-3	LS-2
Well Number							6	6	7	1	LYSIMETER	LYSIMETER	LYSIMETER	LYSIMETER	LYSIMETER	LYSIMETER	LYSIMETER	LYSIMETER
Sample Date	31-May-83	14-Dec-83	23-Mar-84	12-Jun-84	13-Sep-84	12-Dec-85	31-May-83	22-Dec-85	31-May-83	22-Dec-85	14-Dec-83	14-Dec-83	23-Mar-84	23-Mar-84	23-Mar-84	12-Jun-84	12-Jun-84	12-Jun-84
Sample Type	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Sample Depth, Ft																		
Laboratory (A)	PWT	LAUCKS	LAUCKS	LAUCKS	LAUCKS	LAUCKS	PWT	LAUCKS	PWT	LAUCKS	LAUCKS	LAUCKS	LAUCKS	LAUCKS	LAUCKS	LAUCKS	LAUCKS	LAUCKS
Report Number or Date	6/2/83	2/3/84	4/20/84	7/4/84	11/7/84	94387	6/2/83	94496	6/2/83	94496	2/3/84	2/3/84	4/20/84	4/20/84	4/20/84	7/4/84	7/4/84	7/4/84
Sample Number or Bottle Number	7	4	3	4	5	5	1	4	6	3	2	1	7	6	8	5	7	6
CONSTITUENT CONCENTRATION, ppm (B)																		
METALS, TOTAL																		
Arsenic	<0,01	<0,005	<0,005	<0,005	<0,005	<0,005	<0,01	<0,005	<0,01	<0,005	<0,005	<0,005	<0,005	<0,005	<0,005	<0,005	<0,005	<0,005
Cadmium		<0,002	<0,002	<0,002	<0,002	<0,002		<0,002		<0,002	<0,002	<0,002	<0,002	0,002	<0,002	*	*	*
Chromium	0,10	<0,01	<0,005	<0,01	<0,01	<0,01	<0,06	<0,01	<0,06	<0,01	0,006	0,006	<0,005	<0,005	<0,005	*	*	*
Copper	<0,03	<0,005	<0,005	0,006	0,012	0,13	<0,03	<0,005	0,08	<0,005	<0,005	0,005	0,005	0,005	0,005	*	*	*
Lead		<0,010	<0,005	<0,010	<0,010	<0,010		<0,010		<0,010	*	*	<0,005	<0,005	<0,005	*	*	*
Mercury		<0,001	<0,001	<0,001	<0,001	<0,001		<0,001		<0,001	*	*	<0,001	<0,001	*	*	*	*
Nickel																		
Selenium		<0,005	<0,005	<0,005	<0,005	<0,005		<0,005		<0,005	*	*	<0,005	<0,005	<0,005	*	*	*
Silver		<0,01	<0,01	<0,01	<0,01	<0,01		<0,01		<0,01	*	*	<0,01	<0,01	<0,01	*	*	*
Zinc																		
Barium		<0,10	<0,1	<0,10	<0,10	<0,10		<0,10		<0,10	*	*	0,1	<0,1	<0,1	*	*	*
OTHER PARAMETERS																		
Total Phenols	<0,1			<0,005	<0,005	0,032	<0,1	<0,005	<0,1	<0,005								
Naphthalene		<0,001	<0,005	<0,001	<0,001	<0,001		<0,001		<0,001	*	*	<0,005	<0,005	<0,005	<0,050 **	<0,050 **	<0,050 **
Pentachlorophenol	<0,1	<0,00001	<0,0001	0,0011	<0,0001 **	<0,00075	<0,1	<0,00075	<0,1	<0,00075	0,00053	0,0001	<0,0001	0,0014	0,0003	<0,001 **	0,0098	0,0019
Conductivity,umho/cm	200		210	160	170	190	270	270	190	210			780	110	450			
Sulfates	<80						<80		<80									
pH (units)	7,04		8,1	7,3	7,1	7,2	7,05	6,8	7,20	7,2			8,2	7,7	8,6			
Total Solids, %																		
E P TOXICITY																		
Arsenic																		
Cadmium																		
Chromium																		
Lead																		
Silver																		
Barium																		
Selenium																		
FOOTNOTES applicable to each column:	1,2	3			4		1,2		1,2		4	4			4	4	4	4

COLUMN NUMBER (sorted by wells)-->	42	43 *	45	46	47	48	49 *	51 *	53	54 *	56	57	58	59 *	61	62	63
COLUMN NUMBER (unsorted version)-->	53	54 *	36	38	37	39	40 *	1 *	56	57 *	59	60	61	62 *	64	65	66
Sample Location	RBT	RBT	RBT	RBT	RBT	RBT	RBT	RBT	RBT	RBT	POST-CLOSURE	MAXIMUM VALUES > LOWER			RBT	RBT	RBT
Sample Identification	LS-1	LS-2	TOE DRAIN	TOE DRAIN	TOE DRAIN	TOE DRAIN	UNDER-	POND	TRANSFER	TRANSFER	PERFORMANCE	LIMIT OF DETECTION			1-1A	1-2A	1-3A
Well Number	LYSIMETER	LYSIMETER	SUMP	BOX	SUMP	SUMP	DRAIN		BLANK	BLANK	STANDARDS				AH-1	AH-1	AH-1
Sample Date	13-Sep-84	13-Sep-84	14-Dec-83	10-Jan-84	23-Mar-84	12-Dec-85	12-Dec-85	31-May-83	13-Sep-84	11-Dec-85		WATER	LYSI-	TOE	08-Sep-83	08-Sep-83	08-Sep-83
Sample Type	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WELLS	METERS	DRAIN	SOIL	SOIL	SOIL
Sample Depth, Ft											WELLS,				3	8	13
Laboratory (A)	LAUCKS	LAUCKS	LAUCKS	LAUCKS	LAUCKS	LAUCKS	LAUCKS	PWT	LAUCKS	LAUCKS	TOE DRAIN,				LAUCKS	LAUCKS	LAUCKS
Report Number or Date	11/7/84	11/7/84	2/3/84	1/24/84	4/20/84	94387	94387	6/2/83	11/7/84	94387	LYSIMETERS				9/30/83	9/30/83	9/30/83
Sample Number or Bottle Number	1	2	5	1	5	3A	4A	3	7	1					1	2	3
CONSTITUENT CONCENTRATION, ppm (B)																	
METALS, TOTAL																	
Arsenic	<0,005	<0,005	0,009	<0,005	0,008	<0,005	<0,005	0,017	<0,005	<0,005	0,025	0,014	0	0,009			
Cadmium	*	<0,002	<0,002	<0,002	<0,002	<0,002	<0,002		<0,002	<0,002	0,005	0	0,002	0			
Chromium	*	<0,01	<0,01	<0,01	<0,005	<0,01	<0,01	<0,06	<0,01	<0,01	0,025	0,1	0,006	0			
Copper	*	0,048	<0,005	<0,005	<0,005	<0,005	<0,005	<0,03	<0,005	0,011	0,5	0,13	0,048	0			
Lead	<0,010	<0,010	<0,010	<0,010	<0,005	<0,010	<0,010		<0,010	<0,010	0,025	0	0	0			
Mercury	*	<0,01 ***	<0,001	<0,001	<0,001	<0,001	<0,001		<0,001	<0,001	0,001	0	0	0			
Nickel																	
Selenium	<0,005	<0,005	<0,005	<0,005	<0,005	<0,005	<0,005		<0,005	<0,005	0,005	0	0	0			
Silver	*	<0,01	<0,01	<0,01	<0,01	<0,01	<0,01		<0,01	<0,01	0,025	0	0	0			
Zinc																	
Barium	*	0,1	0,10	<0,1	0,1	<0,10	<0,10		<0,10	<0,10	0,5	0,1	0,1	0,1			
OTHER PARAMETERS																	
Total Phenols	*	*				0,035	<0,005	<0,1	<0,005	<0,005		0,032	0	0,035			
Naphthalene	<0,001	<0,0001 **	0,01	0,005	<0,005	<0,001	<0,001		<0,001	<0,001	1,15	0	0	0,01		<0,200	<0,200
Pentachlorophenol	0,0001	0,002	0,00056	0,00127	0,0027	<0,00075	<0,00075	0,134	<0,0001 ***	<0,00075	0,025	0,1	0,0098	0,0027		<0,1000	<0,1000
Conductivity,umho/cm	*	*			410	220	190	300	13	6		280	780	410			
Sulfates								<80									
pH (units)	*	*			6,4	6,4	6,2	7,24	7,8	6,7							
Total Solids, %															82,2%	79,6%	80,1%
E P TOXICITY																	
Arsenic															<0,002	<0,002	<0,002
Cadmium																	
Chromium																	
Lead																	
Silver																	
Barium																	
Selenium																	
FOOTNOTES applicable to each column:	4	4	3					1,2	4		6	7	7	7	5	5	5

ENVIRONMENTAL SAMPLING DATA & EVALUATION RIDGEFIELD BRICK & TILE

COLUMN NUMBER -->	1	2	3	4	5	6	7	9	10	11	12	14	15	16	17	19	20
Sample Location	RBT	FALLS	RUTOWSKI	MUFFET	THORNTON	ELLIG	RYF	FALLS	RUTOWSKI	MUFFET	RYF	FALLS	RUTOWSKI	MUFFET	RYF	FALLS	RUTOWSKI
Sample Identification	POND	WELL	WELL	WELL	WELL	WELL	WELL	WELL	WELL	WELL	WELL	WELL	WELL	WELL	WELL	WELL	WELL
Well Number		2	4	5	6	7		2	4	5		2	4	5		2	4
Sample Date	31-May-83	31-May-83	31-May-83	31-May-83	31-May-83	31-May-83	31-May-83	10-Jan-84	14-Dec-83	10-Jan-84	14-Dec-83	23-Mar-84	23-Mar-84	23-Mar-84	23-Mar-84	12-Jun-84	12-Jun-84
Sample Type	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Sample Depth, Ft																	
Laboratory (A)	PWT	PWT	PWT	PWT	PWT	PWT	PWT	LAUCKS	LAUCKS	LAUCKS	LAUCKS	LAUCKS	LAUCKS	LAUCKS	LAUCKS	LAUCKS	LAUCKS
Report Number or Date	6/2/83	6/2/83	6/2/83	6/2/83	6/2/83	6/2/83	6/2/83	1/24/84	2/3/84	1/24/84	2/3/84	4/20/84	4/20/84	4/20/84	4/20/84	7/4/84	7/4/84
Sample Number or Bottle Number	3	4	5	2	1	6	7	3	3	2	4	4	1	2	3	1	3
CONSTITUENT CONCENTRATION, ppm (B)																	
METALS, TOTAL																	
Arsenic	0.017	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	0.014	<0.005	<0.005	<0.005	<0.005	<0.005
Cadmium								<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Chromium	<0.06	<0.06	0.08	<0.06	<0.06	<0.06	0.10	<0.01	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01
Copper	<0.03	<0.03	<0.03	<0.03	<0.03	0.08	<0.03	0.050	0.013	<0.005	<0.005	0.022	<0.005	<0.005	<0.005	0.005	<0.005
Lead								<0.010	<0.010	<0.010	<0.010	<0.005	<0.005	<0.005	<0.005	<0.010	<0.010
Mercury								<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Nickel																	
Selenium								<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Silver								<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zinc																	
Barium								<0.1	<0.10	<0.1	<0.10	0.1	<0.1	0.1	<0.1	<0.10	<0.10
OTHER PARAMETERS																	
Total Phenols	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1									<0.005	<0.005
Naphthalene								<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001
Pentachlorophenol	0.134	0.100	<0.1	<0.1	<0.1	<0.1	<0.1	<0.00001	<0.00001	<0.00001	<0.00001	<0.0001	<0.0001	<0.0001	<0.0001	0.00086	0.00013
Conductivity,umho/cm	300	210	240	260	270	190	200					210	280	250	210	160	200
Sulfates	<80	<80	<80	<80	<80	<80	<80										
pH (units)	7.24	7.51	7.04	7.20	7.05	7.20	7.04					7.7	7.6	7.6	8.1	7.1	7.3
Total Solids, %																	
E P TOXICITY																	
Arsenic																	
Cadmium																	
Chromium																	
Lead																	
Silver																	
Barium																	
Selenium																	
FOOTNOTES applicable to each column:	1,2	1,2	1,2	1,2	1,2	1,2	1,2				3						

COLUMN NUMBER -->	21	22 *	24	25	26	27 *	29	30	31	32	33	34 *	36	37	38	39
Sample Location	MUFFET	RYF	FALLS	RUTOWSKI	MUFFET	RYF	FALLS	RUTOWSKI	MUFFET	RYF	THORNTON	RANDALL(MI	RBT	RBT	RBT	RBT
Sample Identification	WELL	WELL	WELL	WELL	WELL	WELL	WELL	WELL	WELL	WELL	WELL	WELL	TOE DRAIN	TOE DRAIN	TOE DRAIN	TOE DRAIN
Well Number	5		2	4	5		2	4	5		6	1	SUMP	SUMP	BOX	SUMP
Sample Date	12-Jun-84	12-Jun-84	13-Sep-84	13-Sep-84	13-Sep-84	13-Sep-84	22-Dec-85	22-Dec-85	12-Dec-85	12-Dec-85	22-Dec-85	22-Dec-85	14-Dec-83	23-Mar-84	10-Jan-84	12-Dec-85
Sample Type	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Sample Depth, Ft																
Laboratory (A)	LAUCKS	LAUCKS	LAUCKS	LAUCKS	LAUCKS	LAUCKS	LAUCKS	LAUCKS	LAUCKS	LAUCKS	LAUCKS	LAUCKS	LAUCKS	LAUCKS	LAUCKS	LAUCKS
Report Number or Date	7/4/84	7/4/84	11/7/84	11/7/84	11/7/84	11/7/84	94496	94496	94387	94387	94496	94496	2/3/84	4/20/84	1/24/84	94387
Sample Number or Bottle Number	2	4	3	4	5	6	2	1	2A	5	4	3	5	5	1	3A
CONSTITUENT CONCENTRATION, ppm (B)																
METALS, TOTAL																
Arsenic	<0,005	<0,005	<0,005	<0,005	<0,005	<0,005	<0,005	<0,005	<0,005	<0,005	<0,005	<0,005	0,009	0,008	<0,005	<0,005
Cadmium	<0,002	<0,002	<0,002	<0,002	<0,002	<0,002	<0,002	<0,002	<0,002	<0,002	<0,002	<0,002	<0,002	<0,002	<0,002	<0,002
Chromium	<0,01	<0,01	<0,01	<0,01	<0,01	<0,01	<0,01	<0,01	<0,01	<0,01	<0,01	<0,01	<0,01	<0,005	<0,01	<0,01
Copper	<0,005	0,006	0,008	<0,005	<0,005	0,012	0,008	<0,005	<0,005	0,13	<0,005	<0,005	<0,005	<0,005	<0,005	<0,005
Lead	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	<0,005	<0,010	<0,010
Mercury	<0,001	<0,001	<0,001	<0,001	<0,001	<0,001	<0,001	<0,001	<0,001	<0,001	<0,001	<0,001	<0,001	<0,001	<0,001	<0,001
Nickel																
Selenium	<0,005	<0,005	<0,005	<0,005	<0,005	<0,005	<0,005	<0,005	<0,005	<0,005	<0,005	<0,005	<0,005	<0,005	<0,005	<0,005
Silver	<0,01	<0,01	<0,01	<0,01	<0,01	<0,01	<0,01	<0,01	<0,01	<0,01	<0,01	<0,01	<0,01	<0,01	<0,01	<0,01
Zinc																
Barium	<0,10	<0,10	<0,10	<0,10	<0.10	<0,10	<0,10	<0,10	<0,10	<0.10	<0,10	<0,10	0,10	0,1	<0,1	<0,10
OTHER PARAMETERS																
Total Phenols	0,013	<0,005	<0,005	<0,005	<0,005	<0,005	<0,005	<0,005	<0,005	0,032	<0,005	<0,005				0,035
Naphthalene	<0,001	<0,001	<0,001	<0,001	<0,001	<0,001	<0,001	<0,001	<0,001	<0,001	<0,001	<0,001	0,01	<0,005	0,005	<0,001
Pentachlorophenol	0,00043	0,0011	<0,0001 ***	<0,0001 ***	<0,0001 ***	<0,0001 ***	<0,00075	<0,00075	<0,00075	<0,00075	<0,00075	<0,00075	0,00056	0,0027	0,00127	<0,00075
Conductivity,umho/cm	190	160	150	200	200	170	220	270	240	190	270	210		410		220
Sulfates																
pH (units)	7,1	7,3	6,9	6,9	7,0	7,1	7	7,1	6,9	7,2	6,8	7,2		6,4		6,4
Total Solids, %																
E P TOXICITY																
Arsenic																
Cadmium																
Chromium																
Lead																
Silver																
Barium																
Selenium																
FOOTNOTES applicable to each column:			4	4	4	4							3			

COLUMN NUMBER -->	40 *	42	43 *	45	46	47 *	49	50	51 *	53	54 *	56	57 *	59	60	61
Sample Location	RBT	RBT	RBT	RBT	RBT	RBT	RBT	RBT	RBT	RBT	RBT	RBT	RBT	POST-CLOSURE	MAXIMUM	VALUES
Sample Identification	UNDER-	LS-1	LS-3	LS-1	LS-2	LS-3	LS-1	LS-2	LS-3	LS-1	LS-2	TRANSFER	TRANSFER	PERFORMANCE	LIMIT	OF DETE
Well Number	DRAIN	LYSIMETER	LYSIMETER	LYSIMETER	LYSIMETER	LYSIMETER	LYSIMETER	LYSIMETER	LYSIMETER	LYSIMETER	LYSIMETER	BLANK	BLANK	STANDARDS	----------	----------
Sample Date	12-Dec-85	14-Dec-83	14-Dec-83	23-Mar-84	23-Mar-84	23-Mar-84	12-Jun-84	12-Jun-84	12-Jun-84	13-Sep-84	13-Sep-84	13-Sep-84	11-Dec-85		WATER	LYSI-
Sample Type	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WELLS	METERS
Sample Depth, Ft														WELLS,		
Laboratory (A)	LAUCKS	LAUCKS	LAUCKS	LAUCKS	LAUCKS	LAUCKS	LAUCKS	LAUCKS	LAUCKS	LAUCKS	LAUCKS	LAUCKS	LAUCKS	TOE DRAIN,		
Report Number or Date	94387	2/3/84	2/3/84	4/20/84	4/20/84	4/20/84	7/4/84	7/4/84	7/4/84	11/7/84	11/7/84	11/7/84	94387	LYSIMETERS		
Sample Number or Bottle Number	4A	1	2	6	7	8	5	6	7	1	2	7	1			
CONSTITUENT CONCENTRATION, ppm (B)																
METALS, TOTAL																
Arsenic	<0,005	<0,005	<0,005	<0,005	<0,005	<0,005	<0,005	<0,005	<0,005	<0,005	<0,005	<0,005	<0,005	0,025	0,014	0
Cadmium	<0,002	<0,002	<0,002	0,002	<0,002	<0,002	*	*	*	*	<0,002	<0,002	<0,002	0,005	0	0,002
Chromium	<0,01	0,006	0,006	<0,005	<0,005	<0,005	*	*	*	*	<0,01	<0,01	<0,01	0,025	0,1	0,006
Copper	<0,005	0,005	<0,005	0,005	0,005	0,005	*	*	*	*	0,048	<0,005	0,011	0,5	0,13	0,048
Lead	<0,010	*	*	<0,005	<0,005	<0,005	*	*	*	<0,010	<0,010	<0,010	<0,010	0,025	0	0
Mercury	<0,001	*	*	<0,001	<0,001	*	*	*	*	*	<0,01 ***	<0,001	<0,001	0,001	0	0
Nickel																
Selenium	<0,005	*	*	<0,005	<0,005	<0,005	*	*	*	<0,005	<0,005	<0,005	<0,005	0,005	0	0
Silver	<0,01	*	*	<0,01	<0,01	<0,01	*	*	*	*	<0,01	<0,01	<0,01	0,025	0	0
Zinc																
Barium	<0,10	*	*	<0,1	0,1	<0,1	*	*	*	*	0,1	<0,10	<0,10	0,5	0,1	0,1
OTHER PARAMETERS																
Total Phenols	<0,005									*	*	<0,005	<0,005		0,032	0
Naphthalene	<0,001	*	*	<0,005	<0,005	<0,005	<0,050 **	<0,050 **	<0,050 **	<0,001	<0,0001 **	<0,001	<0,001	1,15	0	0
Pentachlorophenol	<0,00075	0,0001	0,00053	0,0014	<0,0001	0,0003	<0,001 **	0,0019	0,0098	0,0001	0,002	<0,0001 ***	<0,00075	0,025	0,1	0,0098
Conductivity,umho/cm	190			110	780	450				*	*	13	6			
Sulfates																
pH (units)	6,2			7,7	8,2	8,6				*	*	7,8	6,7			
Total Solids, %																
E P TOXICITY																
Arsenic																
Cadmium																
Chromium																
Lead																
Silver																
Barium																
Selenium																
FOOTNOTES applicable to each column:		4	4			4	4	4	4	4	4	4		6	7	7

COLUMN NUMBER -->	62	64	65	66	67	68	69	70	71	72	73	74	75	76	77	79	80
Sample Location	> LOWER	RBT	RBT	RBT	RBT	RBT	RBT	RBT	RBT	RBT	RBT	RBT	RBT	RBT	SOIL	PWT	PWT
Sample Identification	CTION	1-1A	1-2A	1-3A	1-4A	2-1A	2-2A	2-3A	2-4A	3-1	3-2A	3-3A	4-1A	4-2A		FLY ASH	MULTICONE
Well Number	----------	AH-1	AH-1	AH-1	AH-1	AH-2	AH-2	AH-2	AH-2	AH-3	AH-3	AH-3	AH-4	AH-4	----------	S, BAGHOUSE	ASH
Sample Date	TOE	08-Sep-83	08-Sep-83	08-Sep-83	08-Sep-83	08-Sep-83	08-Sep-83	08-Sep-83	08-Sep-83	08-Sep-83	08-Sep-83	08-Sep-83	13-Sep-83	13-Sep-83	MAXIMUM	13-Apr-82	13-Apr-82
Sample Type	DRAIN	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	VALUES	ASH	ASH
Sample Depth, Ft		3	8	13	20	3	8	13	18	11	16	22	41	51	> LOWER		
Laboratory (A)		LAUCKS	LAUCKS	LAUCKS	LAUCKS	LAUCKS	LAUCKS	LAUCKS	LAUCKS	LAUCKS	LAUCKS	LAUCKS	LAUCKS	LAUCKS	LIMIT OF	DOE	DOE
Report Number or Date		9/30/83	9/30/83	9/30/83	9/30/83	9/30/83	9/30/83	9/30/83	9/30/83	9/30/83	9/30/83	9/30/83	9/30/83	9/30/83	DETECTION		
Sample Number or Bottle Number		1	2	3	4	9	11	13	15	17	18	20	22	23		82-1719	82-1720
CONSTITUENT CONCENTRATION, ppm (B)																	
METALS, TOTAL																	
Arsenic	0,009															600	85
Cadmium	0															15,5	2,0
Chromium	0															0,54	0,20
Copper	0															19,5	1,6
Lead	0															6,5	0,65
Mercury	0															<0,1	<0,1
Nickel																0,55	0,30
Selenium	0															14	10
Silver	0															<0,04	<0,04
Zinc																190	1,3
Barium	0,1															150	530
OTHER PARAMETERS																	
Total Phenols	0,035																
Naphthalene	0,01		<0,200	<0,200	<0,200	<0,200	<0,200	<0,200	<0,200	<0,200	<0,200	<0,200	<0,200	<0,200	0		
Pentachlorophenol	0,0027		<0,1000	<0,1000	<0,1000	<0,1000	<0,1000	<0,1000	<0,1000	<0,1000	<0,1000	<0,1000	<0,1000	<0,1000	0		
Conductivity,umho/cm																	
Sulfates																	
pH (units)																	
Total Solids, %		82,2%	79,6%	80,1%	83,9%	80,7%	82,6%	81,2%	80,0%	80,8%	80,0%	68,7%	86,0%	91,7%			
E P TOXICITY																	
Arsenic		<0,002	<0,002	<0,002	<0,002	<0,002	<0,002	<0,002	<0,002	0,012	<0,002	<0,002	<0,002	<0,002	0,012	72	2,3
Cadmium																0,44	0,03
Chromium																0,5	0,03
Lead																0,48	0,08
Silver																<0,04	<0,04
Barium																1,0	2,8
Selenium																0,49	0,13
FOOTNOTES applicable to each column:	7	5	5	5	5	5	5	5	5	5	5	5	5	5	7		

COLUMN NUMBER -->	81	82	83	84
Sample Location	PWT	E P	PDWS	SDWS
Sample Identification	BOTTOM	TOXICITY	EPA	EPA
Well Number	ASH	mg/l	PRIMARY	SECONDARY
Sample Date	13-Apr-82	MCL	DRINKING	DRINKING
Sample Type	ASH		WATER	WATER
Sample Depth, Ft			STDS,	STDS,
Laboratory (A)	DOE		mg/l	mg/l
Report Number or Date			MCL	MCL
Sample Number or Bottle Number	82-1721			
CONSTITUENT CONCENTRATION, ppm (B)				
METALS, TOTAL				
Arsenic	55		0.050	
Cadmium	1,0		0,010	
Chromium	0,78		0,050	
Copper	1,85			1,0
Lead	0,25		0,050	
Mercury	<0,1		0,002	
Nickel	0,22			
Selenium	9		0,010	
Silver	<0,04		0,050	
Zinc	0,97			
Barium	560		1,000	
OTHER PARAMETERS				
Total Phenols				
Naphthalene				
Pentachlorophenol				
Conductivity,umho/cm				
Sulfates				250
pH (units)			6,5-8,5	
Total Solids, %				
E P TOXICITY				
Arsenic	0,5	5		
Cadmium	0,02	1		
Chromium	0,02	5		
Lead	0,12	5		
Silver	<0,04	5		
Barium	3,3	100		
Selenium	0,005	1		

FOOTNOTES applicable to each column:

FOOTNOTES:

(A) Laucks performed QA/QC analyses which are appended to their laboratory reports, but not included here.

(B) Constituent concentrations are mg/l (ppm) or mg/kg dry basis (ppm) unless stated otherwise.

1. Recovery for Arsenic on 6 spiked samples averaged 106.1% with standard deviation of 13.48%.

2. Recovery for pentachlorophenol on 5 spiked samples averaged 99.4% with standard deviation of 8.00%.

3. Field filtered.

4. * indicates insufficient sample available to perform analysis.
   ** indicates sample was insufficient to achieve desired detection limits for naphthalene and pentachlorophenol.
   *** indicates elevated detection limit due to matrix effect.

5. Arsenic data resulted from analysis in accordance with 40 CFR 261.64 for EP Toxicity (arsenic only). PCP and naphthalene data were determined in accordance with USEPA, "Test Methods for Evaluating Solid Waste" (SW-846); PCP analyses were per Method 8040, naphthalene per Method 8100.

6. Performance standards are one-half the primary drinking water standards for all constituents except (i) copper; one-half the secondary drinking water standard and (ii) pentachlorophenol and naphthalene; one-half the acute freshwater aquatic life toxicity criteria.

7. Maximum values which exceed the lower limit of detection; 0 indicates no value is greater than the lower limit of detection.