

APPENDIX 1

NEW JERSEY STATE DEPARTMENT OF ENVIRONMENTAL PROTECTION

NAME _____

CHAPTER _____

LOCATION _____

SECTION _____

TIME: FROM _____ A.M. TO _____ A.M. DATE _____

PLUME OBSERVATION RECORD

HR.	SEC.	4	8	12	16	20	24	28	32	36	40	44	48	52	56	60	TOTALS	
RN.	%	MIN. 01	02	03	04	05	06	07	08	09	10	11	12	13	14	15		
2+	40+																40+	
2	40																35	40
1 1/2	35																30	30
1 1/4	30																25	20
1 1/2	25																20	10
1	20																15	5
3/4	15																10	0
1/2	10																5	
1/4	5																0	
0	0																	

TOTALS:

HR.	SEC.	4	8	12	16	20	24	28	32	36	40	44	48	52	56	60	TOTALS	
RN.	%	MIN. 16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
2+	40+																40+	
2	40																35	40
1 1/2	35																30	30
1 1/4	30																25	20
1 1/2	25																20	10
1	20																15	5
3/4	15																10	0
1/2	10																5	
1/4	5																0	
0	0																	

TOTALS:

HR.	SEC.	4	8	12	16	20	24	28	32	36	40	44	48	52	56	60	TOTALS	
RN.	%	MIN. 31	32	33	34	35	36	37	38	39	40	41	42	43	44	45		
2+	40+																40+	
2	40																35	40
1 1/2	35																30	30
1 1/4	30																25	20
1 1/2	25																20	10
1	20																15	5
3/4	15																10	0
1/2	10																5	
1/4	5																0	
0	0																	

TOTALS:

HR.	SEC.	4	8	12	16	20	24	28	32	36	40	44	48	52	56	60	TOTALS	
RN.	%	MIN. 46	47	48	49	50	51	52	53	54	55	56	57	58	59	60		
2+	40+																40+	
2	40																35	40
1 1/2	35																30	30
1 1/4	30																25	20
1 1/2	25																20	10
1	20																15	5
3/4	15																10	0
1/2	10																5	
1/4	5																0	
0	0																	

TOTALS:

RN	%	QUARTER MINUTES/SEC.	TOTAL QM	TOTAL MIN.	TOTAL SEC.	TOTALS
2+	40+					
2	40					
1 1/2	35					
1 1/4	30					
1 1/2	25					
1	20					
3/4	15					
1/2	10					
1/4	5					
0	0					

VIOLATION: _____ Mins./Sec.

NOTE: See bottom of reverse side for explanation of record.

Stack Description _____

Observation Point _____

Direction to Stack _____

Distance to Base of Stack _____ Height of Stack _____

Wind Direction _____ Wind Velocity _____

Weather _____

Background _____

Plume Color & Description _____

Instrument and No. _____

Fuel Burning Equipment:

Type: Stationary Indirect Heat Exchanger

Internal Stack Dimension (lip) _____

Rated Heat Input _____

Other (specify) _____

Fuel - Coal, # _____ Oil, Other _____ (specify)

Was a new fire being built or the firebox being cleaned during the period of observation? Yes No

Manufacturing Process:

Source (specify) _____

Air Contaminant Emitted (specify) _____

Incinerator:

Type: Common Special

Type of Waste: No. _____

Was a new fire being built? Yes No

Comments: _____

Signed: _____ Title _____

Numbers in the left hand column represent emission densities equivalent to Ringelmann's Scale for Grading the Density of Smoke published by the U. S. Bureau of Mines (Rn), and equivalent opacities in % of total obscuration. Numbers across the chart define the hour of the day and minutes during which observations were made.

The shaded horizontal traces are the grades of Ringelmann's Scale or equivalent opacities and the duration of that grade of emissions during the period of observation. Vertical traces have been inserted only to provide a clearer graphical illustration of the variations of emissions.

S - denotes start of observation.