OCS Environmental, Inc.

U.S. Steel Gary Works
Emissions Inspection Summary

Date: 12 / 27 / 08

Start Time: 0715 (AM) / PM

End Time: 1114 (AM) / PM

No. 2 Precarbon ESP

BOP	Roof Monitor		Gas Cleaners	
QBOP	Roof Monitor		Gas Cleaners	
Blast Furnace	(4)	6	8	14
Blast Furnace Top	4	6	8	14

The following events or operations contributed to significant emissions:

Time	Heat/Cast Number	Operation	Comments
	NONE		

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OCS Environmental, Inc.
Method 9 VE Inspection Form

			Start	End
Date:	12/27/08			
Source:	#4 BLAST FURNACE	Emissions color:	AS NOTED	SAME
Observation Start Time:	0715	Background:	SKY	
Observation End Time:	0759	Sky Conditions:	OVERCAST	
Observer's Position:	HBFI	Wind Speed:	18	
Distance to source:	320 yds	Wind Direction:	SW	
Direction to source:	NW 320° FROM MAGNETIC NORTH	Ambient Temp:	56°	
		Relative Humidity%:	100%	
Height of source:	63'	Wet Bulb Temp:	—	
Vertical angle to source:	5°			

Plume Type: (Attached) Detached None

Comments	0	15	30	45			0	15	30	45	Comments
					0	30	0	0	0	0	
					1	31	0	0	0	0	
					2	32	0	0	0	0	
					3	33	0	0	0	0	
					4	34	0	0	0	0	
					5	35	0	0	0	0	PLUME
					6	36	0	0	0	0	
					7	37	0	0	0	0	
					8	38	0	0	0	0	
					9	39	0	0	0	0	
					10	40	0	0	0	0	
					11	41	0	0	0	0	
					12	42	0	0	0	0	
					13	43	0	0	0	0	
					14	44	0	0	0	0	
	0	0	0	0	15	45	0	0	0	0	
	0	0	0	0	16	46	0	0	0	0	
	0	0	0	0	17	47	0	0	0	0	
	0	0	0	0	18	48	0	0	0	0	
	0	0	0	0	19	49	0	0	0	0	
	0	0	0	0	20	50	0	0	0	0	
	0	0	0	0	21	51	0	0	0	0	
	0	0	0	0	22	52	0	0	0	0	
	0	0	0	0	23	53	0	0	0	0	
	0	0	0	0	24	54	0	0	0	0	
	0	0	0	0	25	55	0	0	0	0	
	0	0	0	0	26	56	0	0	0	0	
	0	0	0	0	27	57	0	0	0	0	
	0	0	0	0	28	58	0	0	0	0	
	0	0	0	0	29	59	0	0	0	0	

Additional info (include steam dissipation point)

Observer's Signature

OCS Environmental, Inc.
Method 9 VE Inspection Form

			Start	End
Date:	12/27/08			
Source:	#4 BLAST FURNACE	Emissions color:	AS NOTED	SAME
Observation Start Time:	0800	Background:	SKY	
Observation End Time:	0859	Sky Conditions:	OVERCAST	
Observer's Position:	4BF1	Wind Speed:	18	
Distance to source:	320yds	Wind Direction:	SW	
Direction to source:	NW 320° FROM MAGNETIC NORTH	Ambient Temp:	56°	
		Relative Humidity%:	100%	
Height of source:	63'	Wet Bulb Temp:	—	
Vertical angle to source:	5°			

Plume Type: (Attached) Detached None

Comments	0	15	30	45			0	15	30	45	Comments
	0	0	0	0	0	30	0	0	0	0	
	0	0	0	0	1	31	0	0	0	0	
	0	0	0	0	2	32	0	0	0	0	
	0	0	0	0	3	33	0	0	0	0	
	0	0	0	0	4	34	0	0	0	0	
	0	0	0	0	5	35	0	0	0	0	
	0	0	0	0	6	36	0	0	0	0	
	0	0	0	0	7	37	0	0	0	0	
	0	0	0	0	8	38	0	0	0	0	
	0	0	0	0	9	39	0	0	0	0	
	0	0	0	0	10	40	0	0	0	0	
	0	0	0	0	11	41	0	0	0	0	
	0	0	0	0	12	42	0	0	0	0	
	0	0	0	0	13	43	0	0	0	0	
	0	0	0	0	14	44	0	0	0	0	
	0	0	0	0	15	45	0	0	0	0	
	0	0	0	0	16	46	0	0	0	0	
	0	0	0	0	17	47	0	0	0	0	
	0	0	0	0	18	48	0	0	0	0	
	0	0	0	0	19	49	0	0	0	0	
	0	0	0	0	20	50	0	0	0	0	
	0	0	0	0	21	51	0	0	0	0	
	0	0	0	0	22	52	0	0	0	0	
	0	0	0	0	23	53	0	0	0	0	
	0	0	0	0	24	54	0	0	0	0	
	0	0	0	0	25	55	0	0	0	0	
	0	0	0	0	26	56	0	0	0	0	
	0	0	0	0	27	57	0	0	0	0	
	0	0	0	0	28	58	0	0	0	0	
	0	0	0	0	29	59	0	0	0	0	

Additional info (include steam dissipation point)

Observer's Signature

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OCS Environmental, Inc.
Method 9 VE Inspection Form

			Start	End
Date:	12/27/08			
Source:	#4 BURST FURNACE	Emissions color:	AS NOTED	SAME
Observation Start Time:	0900	Background:	SKY	
Observation End Time:	0959	Sky Conditions:	OVERCAST	
Observer's Position:	4 BF 1	Wind Speed:	18	
Distance to source:	320 yds	Wind Direction:	SW	
Direction to source:	NW 320° SOUTH EXHAUSTER GRATE	Ambient Temp:	56°	
		Relative Humidity%:	100%	
Height of source:	63'	Wet Bulb Temp:	—	
Vertical angle to source:	5°			

Plume Type: (Attached) Detached None

Comments	0	15	30	45			0	15	30	45	Comments
	0	0	0	0	0	30	0	0	0	0	
	0	0	0	0	1	31	0	0	0	0	
	0	0	0	0	2	32	0	0	0	0	
	0	0	0	0	3	33	0	0	0	0	
	0	0	0	0	4	34	0	0	0	0	
	0	0	0	0	5	35	0	0	0	0	
	0	0	0	0	6	36	0	0	0	0	
	0	0	0	0	7	37	0	0	0	0	
	0	0	0	0	8	38	0	0	0	0	
	0	0	0	0	9	39	0	0	0	0	
	0	0	0	5	10	40	0	0	0	0	
PLUG UP 3488	10	5	0	0	11	41	0	0	0	0	
	0	0	0	0	12	42	0	0	0	0	
	0	0	0	0	13	43	0	0	0	0	
	0	0	0	0	14	44	0	15	10	15	5&L DRILL OUT
	0	0	0	0	15	45	15	10	5	0	
	0	0	0	0	16	46	0	0	0	0	
	0	0	0	0	17	47	0	0	0	0	
	0	0	0	0	18	48	0	0	0	0	
	0	0	0	0	19	49	0	0	0	0	
	0	0	0	0	20	50	0	0	0	0	
	0	0	0	0	21	51	0	0	0	0	
	0	0	0	0	22	52	0	0	0	0	
	0	0	0	0	23	53	0	0	0	0	
	0	0	0	0	24	54	0	0	0	0	
	0	0	0	0	25	55	0	0	0	0	
	0	0	0	0	26	56	0	0	0	0	
	0	0	0	0	27	57	0	0	0	0	
	0	0	0	0	28	58	0	0	0	0	
	0	0	0	0	29	59	0	0	0	0	

Additional info (include steam dissipation point)

Observer's Signature

OCS Environmental, Inc.
Method 9 VE Inspection Form

			Start	End
Date:	12/27/08			
Source:	#4 BLAST FURNACE	Emissions color:	AS NOTED	SAME
Observation Start Time:	1000	Background:	SKY	
Observation End Time:	1059	Sky Conditions:	OVERCAST	
Observer's Position:	4BF1	Wind Speed:	18	
Distance to source:	320 yds	Wind Direction:	S00	
Direction to source:	NOO 320° FROM MAGNETIC NORTH	Ambient Temp:	56°	
		Relative Humidity%:	100%	
Height of source:	63'	Wet Bulb Temp:	–	
Vertical angle to source:	5°			

Plume Type: (Attached) Detached None

Comments	0	15	30	45			0	15	30	45	Comments
	0	0	0	0	0	30	0	0	0	0	
	0	0	0	0	1	31	0	0	0	0	
	0	0	0	0	2	32	0	0	0	0	
	0	0	0	0	3	33	0	0	0	0	
	0	0	0	0	4	34	0	0	0	0	
	0	0	0	0	5	35	0	0	0	0	
	0	0	0	0	6	36	0	0	0	0	
	0	0	0	0	7	37	0	0	0	0	
	0	0	0	0	8	38	0	0	0	0	
	0	0	0	0	9	39	0	0	0	0	
	0	0	0	0	10	40	0	0	0	0	
	0	0	0	0	11	41	0	0	0	0	
	0	0	0	0	12	42	0	0	0	0	
	0	0	0	0	13	43	0	0	0	0	
	0	0	0	0	14	44	0	0	0	0	
	0	0	0	0	15	45	0	0	0	0	
	0	0	0	0	16	46	0	0	0	0	
	0	0	0	0	17	47	0	0	0	0	
	0	0	0	0	18	48	0	0	0	0	
	0	0	0	0	19	49	0	0	0	0	
	0	0	0	0	20	50	0	0	0	0	
	0	0	0	0	21	51	0	0	0	0	
	0	0	0	0	22	52	0	0	0	0	
	0	0	0	0	23	53	0	0	0	0	
	0	0	0	0	24	54	0	0	0	0	
	0	0	0	0	25	55	0	0	0	0	
	0	0	0	0	26	56	0	0	0	0	
	0	0	0	0	27	57	0	0	0	0	
	0	0	0	0	28	58	0	0	0	0	
	0	0	0	0	29	59	0	0	0	0	

Additional info (include steam dissipation point)

Observer's Signature

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OCS Environmental, Inc.
Method 9 VE Inspection Form

			Start	End
Date:	12/27/08			
Source:	#4 BLAST FURNACE	Emissions color:	AS NOTED	SAME
Observation Start Time:	1100	Background:	SKY	
Observation End Time:	1114	Sky Conditions:	OVERCAST	
Observer's Position:	4BF1	Wind Speed:	18	
Distance to source:	320 yds	Wind Direction:	500	
Direction to source:	NW 320° FROM MAGNETIC NORTH	Ambient Temp:	56°	
		Relative Humidity%:	100%	
Height of source:	63'	Wet Bulb Temp:	–	
Vertical angle to source:	5°			

Plume Type: (Attached) Detached None

Comments	0	15	30	45			0	15	30	45	Comments
	0	0	0	0	0	30					
	0	0	0	0	1	31					
PLUGGED HOLE	0	0	0	0	2	32					
	0	0	0	0	3	33					
	0	0	0	0	4	34					
	0	0	0	0	5	35					
	0	0	0	0	6	36					
	0	0	0	0	7	37					
	0	0	0	0	8	38					
	0	0	0	0	9	39					
	0	0	0	0	10	40					
	0	0	0	0	11	41					
	0	0	0	0	12	42					
	0	0	0	0	13	43					
	0	0	0	0	14	44					
					15	45					
					16	46					
					17	47					
					18	48					
					19	49					
					20	50					
					21	51					
					22	52					
					23	53					
					24	54					
					25	55					
					26	56					
					27	57					
					28	58					
					29	59					

Additional Info (include steam dissipation point)

Observer's Signature

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OCS Environmental, Inc.
Method 9 Source Layout Sketch

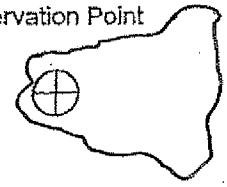
Date: 12 / 27 / 08

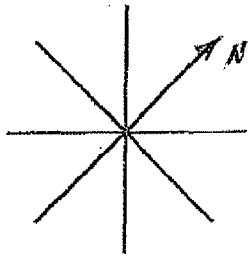
Observer Name: FRANK W GRUBACH

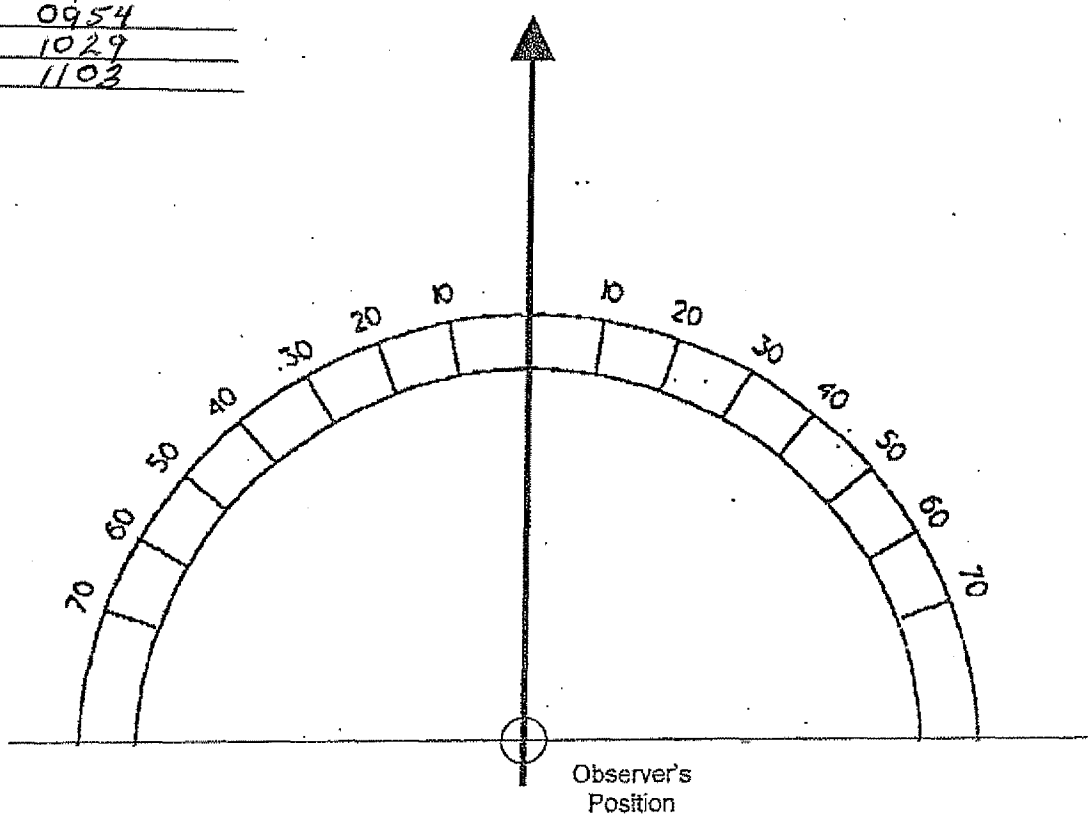
Begin Time: 0715 Time End: 1114

No Sun Visible Times
0719
0742
0815
0851
0922
0954
1029
1103

Observation Point







Observer's Position

Signature: Frank W. Grubach

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