Iron and Steel Subsidiary Source Audit
USS Gary Works

Date: 01-31-10 Start Time: 0702
Inspector: J. SKALIK End Time: 1702

	Monitor Point	Emissions?		Time
1	No. 4 Blast Furnace Top	No ☑	Yes ☐	0702
2	No. 4 Blast Furnace Relief Valve	No ☑	Yes ☐	0707
3	No. 6 Blast Furnace Top	No ☑	Yes ☐	0712
4	No. 6 Blast Furnace Relief Valve	No ☑	Yes ☐	0717
5	No. 8 Blast Furnace Top	No ☑	Yes ☐	0722
6	No. 8 Blast Furnace Relief Valve	No ☑	Yes ☐	0727
7	No. 14 Blast Furnace Top	No ☑	Yes ☐	0734 - SD
8	No. 14 Blast Furnace Relief Valve	No ☑	Yes ☐	0739 - SD
1	No. 4 Blast Furnace Top	No ☑	Yes ☐	1102
2	No. 4 Blast Furnace Relief Valve	No ☑	Yes ☐	1107
3	No. 6 Blast Furnace Top	No ☑	Yes ☐	1112
4	No. 6 Blast Furnace Relief Valve	No ☑	Yes ☐	1117
5	No. 8 Blast Furnace Top	No ☑	Yes ☐	1122
6	No. 8 Blast Furnace Relief Valve	No ☑	Yes ☐	1127
7	No. 14 Blast Furnace Top	No ☑	Yes ☐	1133 - SD
8	No. 14 Blast Furnace Relief Valve	No ☑	Yes ☐	1138 - SD
1	No. 4 Blast Furnace Top	No ☑	Yes ☐	1502
2	No. 4 Blast Furnace Relief Valve	No ☑	Yes ☐	1507
3	No. 6 Blast Furnace Top	No ☑	Yes ☐	1512
4	No. 6 Blast Furnace Relief Valve	No ☑	Yes ☐	1517
5	No. 8 Blast Furnace Top	No ☑	Yes ☐	1522
6	No. 8 Blast Furnace Relief Valve	No ☑	Yes ☐	1527
7	No. 14 Blast Furnace Top	No ☑	Yes ☐	1533
8	No. 14 Blast Furnace Relief Valve	No ☑	Yes ☐	1538

Planned Bleeder Event

1	Blast Furnace No. —	No ☐	Yes ☐	—
2	Blast Furnace No. —	No ☐	Yes ☐	—
3	Blast Furnace No. —	No ☐	Yes ☐	—

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Iron and Steel Subsidiary Source Audit
USS Gary Works

Date: 02/01/10
Inspector: A. RICHARDSON

Start Time: 0701
End Time: 1703

	Monitor Point	Emissions?		Time	
1	No. 4 Blast Furnace Top	No ☑	Yes ☐	0701	
2	No. 4 Blast Furnace Relief Valve	No ☑	Yes ☐	0706	
3	No. 6 Blast Furnace Top	No ☑	Yes ☐	0711	
4	No. 6 Blast Furnace Relief Valve	No ☑	Yes ☐	0716	
5	No. 8 Blast Furnace Top	No ☑	Yes ☐	0721	
6	No. 8 Blast Furnace Relief Valve	No ☑	Yes ☐	0726	
7	No. 14 Blast Furnace Top	No ☑	Yes ☐	0731	SD
8	No. 14 Blast Furnace Relief Valve	No ☑	Yes ☐	0736	SD
1	No. 4 Blast Furnace Top	No ☑	Yes ☐	1101	
2	No. 4 Blast Furnace Relief Valve	No ☑	Yes ☐	1106	
3	No. 6 Blast Furnace Top	No ☑	Yes ☐	1111	
4	No. 6 Blast Furnace Relief Valve	No ☑	Yes ☐	1116	
5	No. 8 Blast Furnace Top	No ☑	Yes ☐	1121	
6	No. 8 Blast Furnace Relief Valve	No ☑	Yes ☐	1126	
7	No. 14 Blast Furnace Top	No ☑	Yes ☐	1131	SD
8	No. 14 Blast Furnace Relief Valve	No ☑	Yes ☐	1136	SD
1	No. 4 Blast Furnace Top	No ☑	Yes ☐	1501	
2	No. 4 Blast Furnace Relief Valve	No ☑	Yes ☐	1506	
3	No. 6 Blast Furnace Top	No ☑	Yes ☐	1511	
4	No. 6 Blast Furnace Relief Valve	No ☑	Yes ☐	1516	
5	No. 8 Blast Furnace Top	No ☑	Yes ☐	1521	
6	No. 8 Blast Furnace Relief Valve	No ☑	Yes ☐	1526	
7	No. 14 Blast Furnace Top	No ☑	Yes ☐	1531	SD
8	No. 14 Blast Furnace Relief Valve	No ☑	Yes ☐	1536	SD

Planned Bleeder Event

1	Blast Furnace No._____	No ☐	Yes ☐	
2	Blast Furnace No._____	No ☐	Yes ☐	
3	Blast Furnace No._____	No ☐	Yes ☐	

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Iron and Steel Subsidiary Source Audit
USS Gary Works

Date: 2-2-10
Inspector: J. Johnson

Start Time: 0700 00
End Time: 1704 43

	Monitor Point	Emissions?		Time
1	No. 4 Blast Furnace Top	No ☑	Yes ☐	0700
2	No. 4 Blast Furnace Relief Valve	No ☑	Yes ☐	0705
3	No. 6 Blast Furnace Top	No ☑	Yes ☐	0710
4	No. 6 Blast Furnace Relief Valve	No ☑	Yes ☐	0715
5	No. 8 Blast Furnace Top	No ☑	Yes ☐	0720
6	No. 8 Blast Furnace Relief Valve	No ☑	Yes ☐	0725
7	No. 14 Blast Furnace Top	No ☑	Yes ☐	0730 SD
8	No. 14 Blast Furnace Relief Valve	No ☑	Yes ☐	0735 SD
1	No. 4 Blast Furnace Top	No ☑	Yes ☐	1100
2	No. 4 Blast Furnace Relief Valve	No ☑	Yes ☐	1105
3	No. 6 Blast Furnace Top	No ☑	Yes ☐	1110
4	No. 6 Blast Furnace Relief Valve	No ☑	Yes ☐	1115
5	No. 8 Blast Furnace Top	No ☑	Yes ☐	1120
6	No. 8 Blast Furnace Relief Valve	No ☑	Yes ☐	1125
7	No. 14 Blast Furnace Top	No ☑	Yes ☐	1130 SD
8	No. 14 Blast Furnace Relief Valve	No ☑	Yes ☐	1135 SD
1	No. 4 Blast Furnace Top	No ☑	Yes ☐	1500
2	No. 4 Blast Furnace Relief Valve	No ☑	Yes ☐	1505
3	No. 6 Blast Furnace Top	No ☑	Yes ☐	1510
4	No. 6 Blast Furnace Relief Valve	No ☑	Yes ☐	1515
5	No. 8 Blast Furnace Top	No ☑	Yes ☐	1520
6	No. 8 Blast Furnace Relief Valve	No ☑	Yes ☐	1525
7	No. 14 Blast Furnace Top	No ☑	Yes ☐	1530 SD
8	No. 14 Blast Furnace Relief Valve	No ☑	Yes ☐	1535 SD

Planned Bleeder Event

1	Blast Furnace No._____	No ☐	Yes ☐	
2	Blast Furnace No._____	No ☐	Yes ☐	
3	Blast Furnace No._____	No ☐	Yes ☐	

J. Johnson

SD - System Down

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Iron and Steel Subsidiary Source Audit
USS Gary Works

Date: 02/03/10
Inspector: A. RICHARDSON

Start Time: 0659
End Time: 1706

	Monitor Point	Emissions?		Time	
1	No. 4 Blast Furnace Top	No ☑	Yes ☐	0659	
2	No. 4 Blast Furnace Relief Valve	No ☑	Yes ☐	0704	
3	No. 6 Blast Furnace Top	No ☑	Yes ☐	0709	
4	No. 6 Blast Furnace Relief Valve	No ☑	Yes ☐	0714	
5	No. 8 Blast Furnace Top	No ☑	Yes ☐	0719	
6	No. 8 Blast Furnace Relief Valve	No ☑	Yes ☐	0724	
7	No. 14 Blast Furnace Top	No ☑	Yes ☐	0729	SD
8	No. 14 Blast Furnace Relief Valve	No ☑	Yes ☐	0734	SD
1	No. 4 Blast Furnace Top	No ☑	Yes ☐	1059	
2	No. 4 Blast Furnace Relief Valve	No ☑	Yes ☐	1104	
3	No. 6 Blast Furnace Top	No ☑	Yes ☐	1109	
4	No. 6 Blast Furnace Relief Valve	No ☑	Yes ☐	1114	
5	No. 8 Blast Furnace Top	No ☑	Yes ☐	1119	
6	No. 8 Blast Furnace Relief Valve	No ☑	Yes ☐	1124	
7	No. 14 Blast Furnace Top	No ☑	Yes ☐	1129	SD
8	No. 14 Blast Furnace Relief Valve	No ☑	Yes ☐	1134	SD
1	No. 4 Blast Furnace Top	No ☑	Yes ☐	1459	
2	No. 4 Blast Furnace Relief Valve	No ☑	Yes ☐	1504	
3	No. 6 Blast Furnace Top	No ☑	Yes ☐	1509	
4	No. 6 Blast Furnace Relief Valve	No ☑	Yes ☐	1514	
5	No. 8 Blast Furnace Top	No ☑	Yes ☐	1519	
6	No. 8 Blast Furnace Relief Valve	No ☑	Yes ☐	1524	
7	No. 14 Blast Furnace Top	No ☑	Yes ☐	1529	SD
8	No. 14 Blast Furnace Relief Valve	No ☑	Yes ☐	1534	SD

Planned Bleeder Event

1	Blast Furnace No._____	No ☐	Yes ☐	
2	Blast Furnace No._____	No ☐	Yes ☐	
3	Blast Furnace No._____	No ☐	Yes ☐	

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Iron and Steel Subsidiary Source Audit
USS Gary Works

Date: 02-04-10
Inspector: J. SKALK

Start Time: 0658
End Time: 1707

	Monitor Point	Emissions?		Time
1	No. 4 Blast Furnace Top	No ☑	Yes ☐	0658
2	No. 4 Blast Furnace Relief Valve	No ☑	Yes ☐	0703
3	No. 6 Blast Furnace Top	No ☑	Yes ☐	0708
4	No. 6 Blast Furnace Relief Valve	No ☑	Yes ☐	0713
5	No. 8 Blast Furnace Top	No ☑	Yes ☐	0718
6	No. 8 Blast Furnace Relief Valve	No ☑	Yes ☐	0723
7	No. 14 Blast Furnace Top	No ☑	Yes ☐	0729-SD
8	No. 14 Blast Furnace Relief Valve	No ☑	Yes ☐	0734-SD
1	No. 4 Blast Furnace Top	No ☑	Yes ☐	1058
2	No. 4 Blast Furnace Relief Valve	No ☑	Yes ☐	1103
3	No. 6 Blast Furnace Top	No ☑	Yes ☐	1108
4	No. 6 Blast Furnace Relief Valve	No ☑	Yes ☐	1113
5	No. 8 Blast Furnace Top	No ☑	Yes ☐	1118
6	No. 8 Blast Furnace Relief Valve	No ☑	Yes ☐	1123
7	No. 14 Blast Furnace Top	No ☑	Yes ☐	1129-SD
8	No. 14 Blast Furnace Relief Valve	No ☑	Yes ☐	1134-SD
1	No. 4 Blast Furnace Top	No ☑	Yes ☐	1458
2	No. 4 Blast Furnace Relief Valve	No ☑	Yes ☐	1503
3	No. 6 Blast Furnace Top	No ☑	Yes ☐	1508
4	No. 6 Blast Furnace Relief Valve	No ☑	Yes ☐	1513
5	No. 8 Blast Furnace Top	No ☑	Yes ☐	1518
6	No. 8 Blast Furnace Relief Valve	No ☑	Yes ☐	1523
7	No. 14 Blast Furnace Top	No ☑	Yes ☐	1528-SD
8	No. 14 Blast Furnace Relief Valve	No ☑	Yes ☐	1535-SD

Planned Bleeder Event

1	Blast Furnace No. —	No ☐	Yes ☐	—
2	Blast Furnace No. —	No ☐	Yes ☐	—
3	Blast Furnace No. —	No ☐	Yes ☐	—

Iron and Steel Subsidiary Source Audit
USS Gary Works

Date: 2-5-10
Inspector: SCOTT APATHY

Start Time: 0657
End Time: 1708

	Monitor Point	Emissions?		Time
1	No. 4 Blast Furnace Top	No ☑	Yes ☐	0657
2	No. 4 Blast Furnace Relief Valve	No ☑	Yes ☐	0702
3	No. 6 Blast Furnace Top	No ☑	Yes ☐	0707
4	No. 6 Blast Furnace Relief Valve	No ☑	Yes ☐	0712
5	No. 8 Blast Furnace Top	No ☑	Yes ☐	0717
6	No. 8 Blast Furnace Relief Valve	No ☑	Yes ☐	0722
7	No. 14 Blast Furnace Top	No ☑	Yes ☐	0727/SD
8	No. 14 Blast Furnace Relief Valve	No ☑	Yes ☐	0732/SD
1	No. 4 Blast Furnace Top	No ☑	Yes ☐	1057
2	No. 4 Blast Furnace Relief Valve	No ☑	Yes ☐	1102
3	No. 6 Blast Furnace Top	No ☑	Yes ☐	1107
4	No. 6 Blast Furnace Relief Valve	No ☑	Yes ☐	1112
5	No. 8 Blast Furnace Top	No ☑	Yes ☐	1117
6	No. 8 Blast Furnace Relief Valve	No ☑	Yes ☐	1122
7	No. 14 Blast Furnace Top	No ☑	Yes ☐	1127/SD
8	No. 14 Blast Furnace Relief Valve	No ☑	Yes ☐	1132/SD
1	No. 4 Blast Furnace Top	No ☑	Yes ☐	1457
2	No. 4 Blast Furnace Relief Valve	No ☑	Yes ☐	1502
3	No. 6 Blast Furnace Top	No ☑	Yes ☐	1507
4	No. 6 Blast Furnace Relief Valve	No ☑	Yes ☐	1512
5	No. 8 Blast Furnace Top	No ☑	Yes ☐	1517/SD
6	No. 8 Blast Furnace Relief Valve	No ☑	Yes ☐	1522/SD
7	No. 14 Blast Furnace Top	No ☑	Yes ☐	1527/SD
8	No. 14 Blast Furnace Relief Valve	No ☑	Yes ☐	1532/SD

Planned Bleeder Event

1	Blast Furnace No._____	No ☐	Yes ☐	
2	Blast Furnace No._____	No ☐	Yes ☐	
3	Blast Furnace No._____	No ☐	Yes ☐	

#8 BLAST FURNACE WENT BACK ON LINE AT 1600

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OCS Environmental, Inc.
Method 9 VE Inspection Form

Page 1 of 1

			Start	End
Date:	2-5-10			
Source:	#8 BF BLEEDERS	Emissions color:	ASNOTED	SAME
Observation Start Time:	1345 00	Background:	SKY	
Observation End Time:	1359 45	Sky Conditions:	OC	
Observer's Position:	6BF1	Wind Speed:	7	
Distance to source:	315 YDS	Wind Direction:	NE	
Direction to source:	NW	Ambient Temp:	32°	
		Relative Humidity%:	76%	
Height of source:	120'	Wet Bulb Temp:	~	
Vertical angle to source:	8°			

Plume Type: (Attached) Detached None

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

Additional info (include steam dissipation point)

Observer's Signature: Scott Apathy

20071107 Method 9 Inspection Form.doc

OCS Environmental, Inc.
Method 9 Source Layout Sketch

Date: 2, 5, 10

Observer Name: Scott Apatity

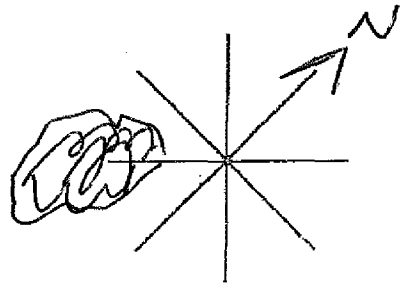
Begin Time: 1345 pm Time End: 1400 PM

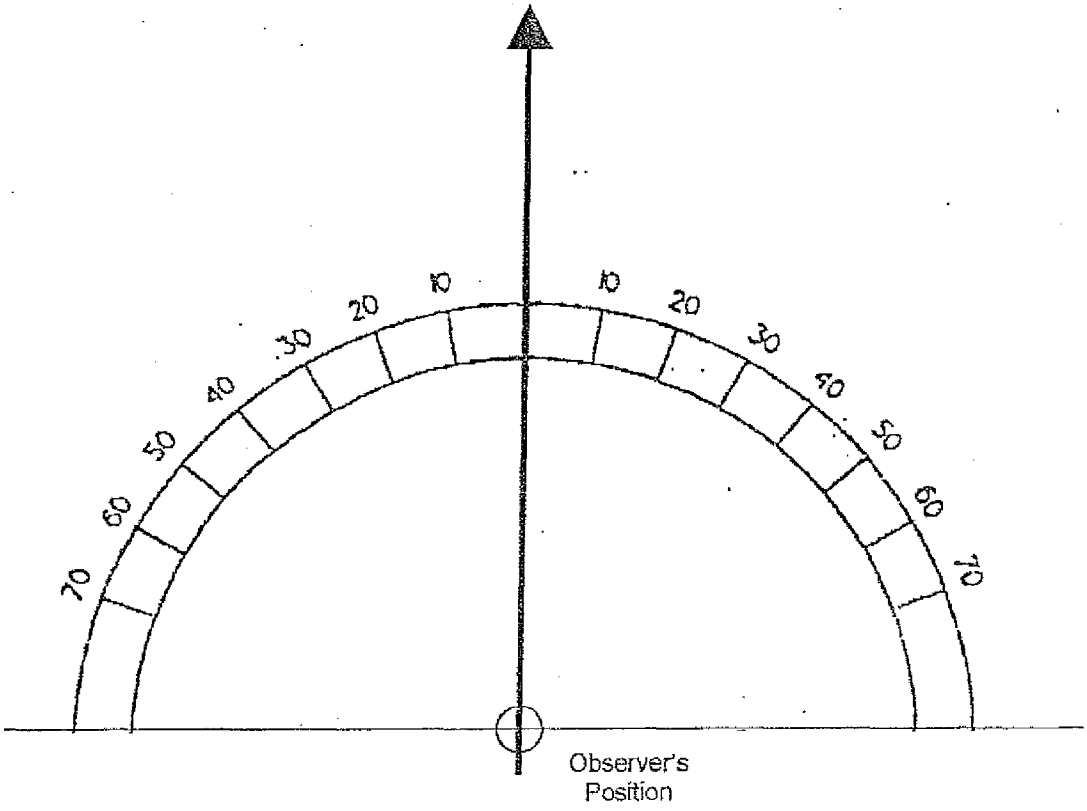
No Sun Visible Times
1345 NO SUN

PLANNED BLEEDER EVENT

Observation Point

#8 BF Bleeders





Signature: Scott Apatity

20071107 Method 9 Source Layout Sketch.doc

Iron and Steel Subsidiary Source Audit
USS Gary Works

Date: 2/6/10
Inspector:

Start Time: 0656 hr
End Time: 1710 hr

	Monitor Point	Emissions? No	Emissions? Yes	Time	
1	No. 4 Blast Furnace Top	☒	☐	0656	
2	No. 4 Blast Furnace Relief Valve	☒	☐	0701	
3	No. 6 Blast Furnace Top	☒	☐	0706	
4	No. 6 Blast Furnace Relief Valve	☒	☐	0711	
5	No. 8 Blast Furnace Top	☒	☐	0716	
6	No. 8 Blast Furnace Relief Valve	☒	☐	0721	
7	No. 14 Blast Furnace Top	☒	☐	0726	SD
8	No. 14 Blast Furnace Relief Valve	☒	☐	0731	SD
1	No. 4 Blast Furnace Top	☒	☐	1055	
2	No. 4 Blast Furnace Relief Valve	☒	☐	1100	
3	No. 6 Blast Furnace Top	☒	☐	1105	
4	No. 6 Blast Furnace Relief Valve	☒	☐	1110	
5	No. 8 Blast Furnace Top	☒	☐	1115	
6	No. 8 Blast Furnace Relief Valve	☒	☐	1120	
7	No. 14 Blast Furnace Top	☒	☐	1125	SD
8	No. 14 Blast Furnace Relief Valve	☒	☐	1130	SD
1	No. 4 Blast Furnace Top	☒	☐	1454	
2	No. 4 Blast Furnace Relief Valve	☒	☐	1459	
3	No. 6 Blast Furnace Top	☒	☐	1504	
4	No. 6 Blast Furnace Relief Valve	☒	☐	1509	
5	No. 8 Blast Furnace Top	☒	☐	1514	
6	No. 8 Blast Furnace Relief Valve	☒	☐	1519	
7	No. 14 Blast Furnace Top	☒	☐	1524	SD
8	No. 14 Blast Furnace Relief Valve	☒	☐	1529	SD

Planned Bleeder Event

1	Blast Furnace No._____	No ☐	Yes ☐	
2	Blast Furnace No._____	No ☐	Yes ☐	
3	Blast Furnace No._____	No ☐	Yes ☐	

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Iron and Steel Subsidiary Source Audit
USS Gary Works

Date: 2-7-10
Inspector: SCOTT APATHY

Start Time: 0655
End Time: 1711

	Monitor Point	Emissions?		Time
1	No. 4 Blast Furnace Top	No ☑	Yes ☐	0655
2	No. 4 Blast Furnace Relief Valve	No ☑	Yes ☐	0700
3	No. 6 Blast Furnace Top	No ☑	Yes ☐	0705
4	No. 6 Blast Furnace Relief Valve	No ☑	Yes ☐	0710
5	No. 8 Blast Furnace Top	No ☑	Yes ☐	0715
6	No. 8 Blast Furnace Relief Valve	No ☑	Yes ☐	0720
7	No. 14 Blast Furnace Top	No ☑	Yes ☐	0725/SD
8	No. 14 Blast Furnace Relief Valve	No ☑	Yes ☐	0730/SD
1	No. 4 Blast Furnace Top	No ☑	Yes ☐	1055
2	No. 4 Blast Furnace Relief Valve	No ☑	Yes ☐	1100
3	No. 6 Blast Furnace Top	No ☑	Yes ☐	1105
4	No. 6 Blast Furnace Relief Valve	No ☑	Yes ☐	1110
5	No. 8 Blast Furnace Top	No ☑	Yes ☐	1115
6	No. 8 Blast Furnace Relief Valve	No ☑	Yes ☐	1120
7	No. 14 Blast Furnace Top	No ☑	Yes ☐	1125/SD
8	No. 14 Blast Furnace Relief Valve	No ☑	Yes ☐	1130/SD
1	No. 4 Blast Furnace Top	No ☑	Yes ☐	1455
2	No. 4 Blast Furnace Relief Valve	No ☑	Yes ☐	1500
3	No. 6 Blast Furnace Top	No ☑	Yes ☐	1505
4	No. 6 Blast Furnace Relief Valve	No ☑	Yes ☐	1510
5	No. 8 Blast Furnace Top	No ☑	Yes ☐	1515
6	No. 8 Blast Furnace Relief Valve	No ☑	Yes ☐	1520
7	No. 14 Blast Furnace Top	No ☑	Yes ☐	1525/SD
8	No. 14 Blast Furnace Relief Valve	No ☑	Yes ☐	1530/SD

Planned Bleeder Event

1	Blast Furnace No._____	No ☐	Yes ☐	
2	Blast Furnace No._____	No ☐	Yes ☐	
3	Blast Furnace No._____	No ☐	Yes ☐	

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