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**EXCESS OPACITY REPORT - FOURTH QUARTER, CALENDAR YEAR 1995 -  
FERNALD ENVIRONMENTAL MANAGEMENT PROJECT (FEMP), PERMIT NO.  
1431110128, B001/B003**

01/24/1996

**C:EC:96-0006  
FERMCO  
17  
REPORT**

**HAMILTON COUNTY**



Restoration Management Corporation P.O. Box 398704 Cincinnati, Ohio 45239-8704 (513) 738-6200

January 24, 1996

Fernald Environmental Management Project  
Letter No. C:EC:96-0006

Ms. Susan L. Kestler  
Air Quality Management  
Hamilton County Department of Environmental Services  
1632 Central Parkway  
Cincinnati, Ohio 45210

Dear Ms. Kestler:

**EXCESS OPACITY REPORT - FOURTH QUARTER, CALENDAR YEAR 1995 - FERNALD ENVIRONMENTAL MANAGEMENT PROJECT (FEMP), PERMIT NO. 1431110128, B001/B003**

Enclosed is the Excess Opacity Report for the Fourth Quarter of Calendar Year 1995, for Boilers Nos. 1 and 3, which are located at the FEMP Steam Plant. This report is submitted in accordance with the special conditions of the Ohio Environmental Protection Agency Permits to Operate Nos. 1431110128, B001 and B003, issued on October 2, 1992. Both boilers operated during the reporting period.

During the reporting period, the opacity monitoring and recording system operated continuously. A scheduled quarterly calibration was performed on the opacity monitors. Boiler No. 1 operated 688 hours and Boiler No. 3 operated 1826 hours.

If you have any questions concerning these reports, please contact Ervin Fisher of my staff at (513) 648-5293.

Sincerely,

Terence D. Hagen  
Director  
Environmental Compliance

TDH:EF:mhv  
Enclosure

c: With Enclosure

- E. Fisher, FERMCO/MS65-2
- W. J. Naber, FERMCO/MS60
- L. Pennington, FERMCO/MS60
- E. P. Skintik, DOE-FN/MS45
- AR Coordinator
- File Record Storage Copy 108.6
- AW&P Files

Without Enclosure

- S. M. Beckman, FERMCO/MS65-2
- S.L. Blankenship, FERMCO/MS71-3
- B. Perkins, FERMCO/MS67
- P. B. Spotts, FERMCO/MS65-2





FEMP  
Boiler Plant  
EXCESS OPACITY REPORT

Month/Year: December, 1995

Monitored Source: Boiler No. 1

Opacity Limit: 20%

Company Name: Fernald Environmental Restoration Management Corporation

Location: Fernald, Ohio

Operating Hours: 434

Day	Start	End	Opacity (%)	Cause	Corrective Action	E.P. Temp
12/9	6:06 P.M.	6:12 P.M.	26%	Put a fire in boiler	Adjusting fuel bed	<250°
12/9	6:24 P.M.	6:30 P.M.	24%	Put a fire in boiler	Adjusting fuel bed	<250°
12/9	6:30 P.M.	6:36 P.M.	24%	Put a fire in boiler	Done adjusting fuel bed	<250°
12/9	11:00 P.M.	11:06 P.M.	21%	Putting boiler on line	Adjusting fuel bed	400°
12/9	11:06 P.M.	11:12 P.M.	23%	Putting boiler on line	Adjusting fuel bed	450°
12/9	11:12 P.M.	11:18 P.M.	21%	Putting boiler on line	Adjusting fuel bed	460°
12/9	11:30 P.M.	11:36 P.M.	24%	Putting boiler on line	Boiler on line	460°
12/12	2:24 A.M.	2:30 A.M.	42%	Pulling Ashes	Readjusting fuel feed	480°
12/12	3:00 A.M.	3:06 A.M.	22%	Pulling Ashes	Done pulling ashes	480°
12/15	7:54 A.M.	8:00 A.M.	24%	Coal feeder jammed	Unjammed coal feeder	465°
12/18	2:12 P.M.	2:18 P.M.	21%	Put a fire in boiler	Adjusted fuel bed	<250°



FEMP  
Boiler Plant  
EXCESS OPACITY REPORT

Month/Year: October, 1995

Monitored Source: Boiler No. 3

Opacity Limit: 20%

Company Name: Fernald Environmental Restoration Management Corporation

Location: Fernald, Ohio

Operating Hours: 362

Day	Start	End	Opacity (%)	Cause	Corrective Action	E.P. Temp
10/15	11:30 A.M.	11:36 A.M.	23%	Banking Boiler	Adjusting fuel bed	<250°
10/15	12:24 P.M.	12:30 P.M.	23%	Banking Boiler	Adjusting fuel bed	<250°
10/15	1:24 P.M.	1:30 P.M.	22%	Banking Boiler	Adjusting fuel bed	<250°
10/15	1:30 P.M.	1:36 P.M.	21%	Banking Boiler	Adjusting fuel bed	<250°
10/15	1:42 P.M.	1:48 P.M.	24%	Banking Boiler	Adjusting fuel bed	<250°
10/15	1:48 P.M.	1:54 P.M.	38%	Banking Boiler	Adjusting fuel bed	<250°
10/15	1:54 P.M.	2:00 P.M.	36%	Banking Boiler	Adjusting fuel bed	<250°
10/15	2:00 P.M.	2:06 P.M.	21%	Banking Boiler	Adjusting fuel bed	<250°
10/15	2:06 P.M.	2:12 P.M.	23%	Banking Boiler	Adjusting fuel bed	<250°
10/15	2:54 P.M.	3:00 P.M.	32%	Banking Boiler	Adjusting fuel bed	<250°
10/15	3:00 P.M.	3:06 P.M.	31%	Banking Boiler	Adjusting fuel bed	<250°
10/15	3:06 P.M.	3:12 P.M.	36%	Banking Boiler	Adjusting fuel bed	<250°
10/15	3:12 P.M.	3:18 P.M.	24%	Banking Boiler	Adjusting fuel bed	<250°
10/15	3:18 P.M.	3:24 P.M.	28%	Banking Boiler	Adjusting fuel bed	<250°
10/15	3:24 P.M.	3:30 P.M.	21%	Banking Boiler	Adjusting fuel bed	<250°
10/15	3:42 P.M.	3:48 P.M.	23%	Banking Boiler	Adjusting fuel bed	<250°
10/15	3:48 P.M.	3:54 P.M.	35%	Banking Boiler	Adjusting fuel bed	<250°
10/15	3:54 P.M.	4:00 P.M.	22%	Banking Boiler	Adjusting fuel bed	<250°
10/15	4:00 P.M.	4:06 P.M.	31%	Banking Boiler	Adjusting fuel bed	<250°

\* NOTIFIED DOES-AQM OF ALL EQUIPMENT MALFUNCTIONS

FEMP  
Boiler Plant  
EXCESS OPACITY REPORT

Month/Year: October, 1995

Monitored Source: Boiler No. 3

Opacity Limit: 20%

Company Name: Fernald Environmental Restoration Management Corporation

Location: Fernald, Ohio

Operating Hours:

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Day	Start	End	Opacity (%)	Cause	Corrective Action	E.P. Temp
10/15	4:12 P.M.	4:18 P.M.	23%	Banking Boiler	Adjusting fuel bed	<250°
10/15	6:12 P.M.	6:18 P.M.	21%	Banking Boiler	Adjusting fuel bed	<250°
10/15	7:00 P.M.	7:06 P.M.	28%	Banking Boiler	Adjusting fuel bed	<250°
10/15	7:12 P.M.	7:18 P.M.	30%	Banking Boiler	Done Banking	<250°
10/16	2:12 A.M.	2:18 A.M.	24%	Coal change	Readjusted boiler	480°
10/16	6:00 A.M.	6:06 A.M.	26%	Load change	Readjusted boiler	480°
10/16	2:24 P.M.	2:30 P.M.	26%	Load change	Readjusting boiler	460°
10/16	2:30 P.M.	2:36 P.M.	26%	Load change	Adjustments complete	460°
10/17	5:30 A.M.	5:36 A.M.	23%	Shear loop broke	Replaced loop	470°
10/17	11:24 A.M.	11:30 A.M.	25%	Wet coal	Readjusting boiler	480°
10/17	11:36 A.M.	11:42 A.M.	23%	Wet coal	Readjusting boiler	480°
10/17	11:48 A.M.	11:54 A.M.	28%	Wet coal	Readjusting boiler	480°
10/17	11:54 A.M.	12:00 P.M.	25%	Wet coal	Readjusting boiler	480°
10/17	12:00 P.M.	12:06 P.M.	25%	Wet coal	Adjustments complete	480°
10/17	1:54 P.M.	2:00 P.M.	22%	Wet coal	Readjusted boiler	480°

FEMP  
Boiler Plant  
EXCESS OPACITY REPORT

Month/Year: October, 1995

Monitored Source: Boiler No. 3

Opacity Limit: 20%

Company Name: Fernald Environmental Restoration Management Corporation

Location: Fernald, Ohio

Operating Hours:

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Day	Start	End	Opacity (%)	Cause	Corrective Action	E.P. Temp
10/17	4:30 P.M.	4:36 P.M.	32%	E.S.P. malfunction	Resetting E.S.P.	470°
10/17	4:36 P.M.	4:42 P.M.	42%	E.S.P. malfunction	Resetting E.S.P.	470°
10/17	4:42 P.M.	4:48 P.M.	47%	E.S.P. malfunction	Resetting E.S.P.	470°
10/17	4:48 P.M.	4:54 P.M.	51%	E.S.P. malfunction	Resetting E.S.P.	470°
10/17	4:54 P.M.	5:00 P.M.	40%	E.S.P. malfunction	Resetting E.S.P.	470°
10/17	5:00 P.M.	5:06 P.M.	31%	E.S.P. malfunction	Resetting E.S.P.	470°
10/17	5:06 P.M.	5:12 P.M.	31%	E.S.P. malfunction	Resetting E.S.P.	470°
10/17	5:12 P.M.	5:18 P.M.	30%	E.S.P. malfunction	Resetting E.S.P.	470°
10/17	5:18 P.M.	5:24 P.M.	28%	E.S.P. malfunction	Resetting E.S.P.	470°
10/17	5:24 P.M.	5:30 P.M.	30%	E.S.P. malfunction	Resetting E.S.P.	470°
10/17	5:30 P.M.	5:36 P.M.	26%	E.S.P. malfunction	Resetting E.S.P.	470°
10/17	5:36 P.M.	5:42 P.M.	27%	E.S.P. malfunction	Resetting E.S.P.	470°
10/17	5:42 P.M.	5:48 P.M.	30%	E.S.P. malfunction	Resetting E.S.P.	470°
10/17	5:48 P.M.	5:54 P.M.	32%	E.S.P. malfunction	Resetting E.S.P.	470°
10/17	5:54 P.M.	6:00 P.M.	33%	E.S.P. malfunction	Resetting E.S.P.	470°
10/17	6:00 P.M.	6:06 P.M.	31%	E.S.P. malfunction	Resetting E.S.P.	470°
10/17	6:18 P.M.	6:24 P.M.	27%	E.S.P. malfunction	E.S.P. Reset	470°
10/18	7:12 A.M.	7:18 A.M.	22%	Pulling Ashes	Done Pulling Ashes	490°

FEMP  
Boiler Plant  
EXCESS OPACITY REPORT

Month/Year: October, 1995

Monitored Source: Boiler No. 3

Opacity Limit: 20%

Company Name: Fernald Environmental Restoration Management Corporation

Location: Fernald, Ohio

Operating Hours:

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Day	Start	End	Opac%	Cause	Corrective Action	E.P. Temp
10/18	5:42 P.M.	5:48 P.M.	24%	E.S.P. malfunction	United McGill (U.M.) working on E.S.P.	470°
10/18	5:48 P.M.	5:54 P.M.	45%	E.S.P. malfunction	U.M. working on E.S.P.	470°
10/18	5:54 P.M.	6:00 P.M.	45%	E.S.P. malfunction	U.M. working on E.S.P.	470°
10/18	6:00 P.M.	6:06 P.M.	50%	E.S.P. malfunction	U.M. working on E.S.P.	460°
10/18	6:06 P.M.	6:12 P.M.	46%	E.S.P. malfunction	U.M. working on E.S.P.	460°
10/18	6:12 P.M.	6:18 P.M.	21%	E.S.P. malfunction	U.M. working on E.S.P.	460°
10/18	6:42 P.M.	6:48 P.M.	26%	E.S.P. malfunction	U.M. working on E.S.P.	460°
10/18	6:48 P.M.	6:54 P.M.	41%	E.S.P. malfunction	U.M. working on E.S.P.	460°
10/18	6:54 P.M.	7:00 P.M.	32%	E.S.P. malfunction	U.M. working on E.S.P.	460°
10/18	7:12 P.M.	7:18 P.M.	28%	E.S.P. malfunction	U.M. working on E.S.P.	460°
10/18	7:18 P.M.	7:24 P.M.	38%	E.S.P. malfunction	U.M. working on E.S.P.	460°
10/18	7:24 P.M.	7:30 P.M.	43%	E.S.P. malfunction	U.M. working on E.S.P.	460°
10/18	7:30 P.M.	7:36 P.M.	44%	E.S.P. malfunction	U.M. working on E.S.P.	460°
10/18	7:36 P.M.	7:42 P.M.	44%	E.S.P. malfunction	U.M. working on E.S.P.	460°
10/18	7:42 P.M.	7:48 P.M.	38%	E.S.P. malfunction	U.M. working on E.S.P.	460°
10/18	7:48 P.M.	7:54 P.M.	37%	E.S.P. malfunction	U.M. working on E.S.P.	460°
10/18	7:54 P.M.	8:00 P.M.	27%	E.S.P. malfunction	U.M. working on E.S.P.	460°
10/18	8:06 P.M.	8:12 P.M.	26%	E.S.P. malfunction	Repairs complete	460°

FEMP  
Boiler Plant  
EXCESS OPACITY REPORT

Month/Year: October, 1995

Monitored Source: Boiler No. 3

Opacity Limit: 20%

Company Name: Fernald Environmental Restoration Management Corporation

Location: Fernald, Ohio

Operating Hours:

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Day	Start	End	Opacity (%)	Cause	Corrective Action	E.P. Temp
10/20	7:42 P.M.	7:48 P.M.	21%	Taking boiler off line	Adjusting fuel feed	470°
10/20	7:48 P.M.	7:54 P.M.	21%	Taking boiler off line	Boiler off line	470°
10/21	12:42 P.M.	12:48 P.M.	26%	Banking boiler	Readjusting boiler	<250°
10/21	12:48 P.M.	12:54 P.M.	24%	Banking boiler	Readjusting boiler	<250°
10/21	12:54 P.M.	1:00 P.M.	23%	Banking boiler	Readjusting boiler	<250°
10/21	1:00 P.M.	1:06 P.M.	25%	Banking boiler	Readjusting boiler	<250°
10/21	3:06 P.M.	3:12 P.M.	42%	Banking boiler	Readjusting boiler	<250°
10/21	3:12 P.M.	3:18 P.M.	31%	Banking boiler	Adjustment complete	<250°
10/22	5:12 P.M.	5:18 P.M.	28%	Load change	Readjusted boiler	470°
10/23	3:54 P.M.	4:00 P.M.	28%	Load change	Readjusted boiler	460°



FEMP  
Boiler Plant  
EXCESS OPACITY REPORT

Month/Year: November, 1995

Monitored Source: Boiler No. 3

Opacity Limit: 20%

Company Name: Fernald Environmental Restoration Management Corporation

Location: Fernald, Ohio

Operating Hours: 720

Day	Start	End	Opacity (%)	Cause	Corrective Action	E.P. Temp
11/3	9:00 P.M.	9:06 P.M.	22%	Blowing Soot	Done blowing soot	490°
11/9	12:42 A.M.	12:48 A.M.	21%	Pulling Ashes	Done pulling ashes	525°
11/12	8:42 A.M.	8:48 A.M.	24%	Pulling Ashes	Done pulling ashes	570°
11/12	10:24 A.M.	10:30 A.M.	23%	Shear loop broke	Replaced loop	560°
11/12	10:54 P.M.	11:00 P.M.	40%	Shear loop broke	Replaced loop	540°
11/14	3:42 P.M.	3:48 P.M.	21%	Coal feeder jammed	Unjammed coal feeder	540°
11/14	3:48 P.M.	3:54 P.M.	28%	Coal feeder jammed	Unjammed coal feeder	540°
11/14	3:54 P.M.	4:00 P.M.	42%	Coal feeder jammed	Unjammed coal feeder	540°
11/14	4:00 P.M.	4:06 P.M.	28%	Coal feeder jammed	Unjammed coal feeder	540°
11/14	4:06 P.M.	4:12 P.M.	33%	Coal feeder jammed	Unjammed coal feeder	540°
11/14	4:12 P.M.	4:18 P.M.	28%	Coal feeder jammed	Coal feeder unjammed	540°
11/17	9:00 P.M.	9:06 P.M.	24%	Blowing Soot	Done blowing soot	520°
11/25	1:00 A.M.	1:06 A.M.	23%	Pulling ashes	Done pulling ashes	535°

\* NOTIFIED DOES-AQM OF ALL EQUIPMENT MALFUNCTIONS

FEMP  
Boiler Plant  
EXCESS OPACITY REPORT

Month/Year: December, 1995

Monitored Source: Boiler No. 3

Opacity Limit: 20%

Company Name: Fernald Environmental Restoration Management Corporation

Location: Fernald, Ohio

Operating Hours: 744

Day	Start	End	Opacity (%)	Cause	Corrective Action	E.P. Temp
12/1	8:54 P.M.	9:00 P.M.	42%	Blowing soot	Done blowing soot	520°
12/4	4:36 P.M.	4:42 P.M.	24%	Coal stoppage	Unstopping coal	510°
12/4	4:42 P.M.	4:48 P.M.	57%	Coal stoppage	Coal restored	510°
12/8	4:06 P.M.	4:12 P.M.	28%	Excessive steamload	Readjusting boiler	550°
12/8	4:12 P.M.	4:18 P.M.	23%	Excessive steamload	Readjusting boiler	550°
12/8	4:30 P.M.	4:36 P.M.	21%	Excessive steamload	Adjustment complete	550°
12/8	8:48 P.M.	8:54 P.M.	38%	Blowing soot	Done blowing soot	550°
12/9	1:48 A.M.	1:54 A.M.	21%	Pulling ashes	Readjusting boiler	560°
12/9	2:36 A.M.	2:42 A.M.	21%	Pulling ashes	Done pulling ashes	560°
12/9	7:12 A.M.	7:18 A.M.	28%	Excessive steamload	Reducing heatload	560°
12/9	7:18 A.M.	7:24 A.M.	47%	Excessive steamload	Reducing heatload	560°
12/9	7:24 A.M.	7:30 A.M.	24%	Excessive steamload	Reducing heatload	560°
12/9	7:30 A.M.	7:36 A.M.	42%	Excessive steamload	Reducing heatload	560°
12/9	7:36 A.M.	7:42 A.M.	34%	Excessive steamload	Reducing heatload	560°
12/9	7:42 A.M.	7:48 A.M.	24%	Excessive steamload	Reducing heatload	560°
12/9	7:48 A.M.	7:54 A.M.	28%	Excessive steamload	Reducing heatload	560°

FEMP  
Boiler Plant  
EXCESS OPACITY REPORT

Month/Year: December, 1995

Monitored Source: Boiler No. 3

Opacity Limit: 20%

Company Name: Fernald Environmental Restoration Management Corporation

Location: Fernald, Ohio

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Operating Hours:

Day	Start	End	Opacity (%)	Cause	Corrective Action	E.P. Temp
12/9	7:54 A.M.	8:00 A.M.	36%	Excessive steamload	Reducing heatload	560°
12/9	8:00 A.M.	8:06 A.M.	38%	Excessive steamload	Reducing heatload	560°
12/9	8:36 A.M.	8:42 A.M.	22%	Excessive steamload	Reducing heatload	560°
12/9	9:00 A.M.	9:06 A.M.	49%	Excessive steamload	Reducing heatload	560°
12/9	9:06 A.M.	9:12 A.M.	49%	Excessive steamload	Reducing heatload	560°
12/9	9:12 A.M.	9:18 A.M.	43%	Excessive steamload	Reducing heatload	560°
12/9	9:18 A.M.	9:24 A.M.	46%	Excessive steamload	Reducing heatload	560°
12/9	9:24 A.M.	9:30 A.M.	42%	Excessive steamload	Reducing heatload	560°
12/9	9:30 A.M.	9:36 A.M.	39%	Excessive steamload	Reducing heatload	560°
12/9	9:36 A.M.	9:42 A.M.	44%	Excessive steamload	Reducing heatload	560°
12/9	9:42 A.M.	9:48 A.M.	28%	Excessive steamload	Reducing heatload	560°
12/9	9:48 A.M.	9:54 A.M.	26%	Excessive steamload	Reducing heatload	560°
12/9	9:54 A.M.	10:00 A.M.	22%	Excessive steamload	Reducing heatload	560°
12/9	12:18 P.M.	12:24 P.M.	21%	Excessive steamload	Reducing heatload	570°
12/9	2:00 P.M.	2:06 P.M.	21%	Excessive steamload	Reducing heatload	570°
12/9	2:18 P.M.	2:24 P.M.	21%	Excessive steamload	Reducing heatload	570°
12/9	2:24 P.M.	2:30 P.M.	21%	Excessive steamload	Reducing heatload	570°
12/9	2:30 P.M.	2:36 P.M.	24%	Excessive steamload	Reducing heatload	570°
12/9	2:36 P.M.	2:42 P.M.	24%	Excessive steamload	Reducing heatload	570°
12/9	2:42 P.M.	2:48 P.M.	22%	Excessive steamload	Reducing heatload	570°

FEMP  
Boiler Plant  
EXCESS OPACITY REPORT

Month/Year: December, 1995

Monitored Source: Boiler No. 3

Opacity Limit: 20%

Company Name: Fernald Environmental Restoration Management Corporation

Location: Fernald, Ohio

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Operating Hours:

Day	Start	End	Opacity (%)	Cause	Corrective Action	E.P. Temp
12/9	2:48 P.M.	2:54 P.M.	23%	Excessive steamload	Reducing heatload	570°
12/9	2:54 P.M.	3:00 P.M.	24%	Excessive steamload	Reducing heatload	570°
12/9	3:00 P.M.	3:06 P.M.	22%	Excessive steamload	Reducing heatload	570°
12/9	3:12 P.M.	3:18 P.M.	24%	Excessive steamload	Reducing heatload	570°
12/9	9:48 P.M.	9:54 P.M.	22%	Excessive steamload	Reducing heatload	580°
12/9	9:54 P.M.	10:00 P.M.	22%	Excessive steamload	Reducing heatload	580°
12/9	11:36 P.M.	11:42 P.M.	22%	Excessive steamload	Reducing heatload	560°
12/10	12:54 P.M.	1:00 P.M.	26%	Broken shear loop	Replaced loop	480°
12/11	3:42 A.M.	3:48 A.M.	22%	Coal change	Readjusted boiler	500°
12/11	4:30 A.M.	4:36 A.M.	21%	Coal stoppage	Restored coal supply	500°
12/11	7:06 P.M.	7:12 P.M.	22%	Load change	Readjusted Boiler	480°
12/12	2:36 A.M.	2:42 A.M.	24%	Load change	Readjusted boiler	480°
12/12	11:12 A.M.	11:18 A.M.	22%	Broken shear loop	Replaced loop	480°
12/13	11:48 P.M.	11:54 P.M.	23%	Feeder turbine oversped	Resetting turbine	480°

FEMP  
Boiler Plant  
EXCESS OPACITY REPORT

Month/Year: December, 1995

Monitored Source: Boiler No.3

Opacity Limit: 20%

Company Name: Fernald Environmental Restoration Management Corporation

Location: Fernald, Ohio

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Operating Hours:

Day	Start	End	Opacity (%)	Cause	Corrective Action	E.P. Temp
12/14	12:06 A.M.	12:12 A.M.	27%	Feeder turbine oversped	Reset turbine	470°
12/15	1:00 A.M.	1:06 A.M.	22%	Pulling ashes	Done pulling ashes	460°
12/15	3:48 A.M.	3:54 A.M.	24%	Load change	Readjusted boiler	480°
12/15	11:54 P.M.	12:00 A.M.	21%	Coal change	Readjusted boiler	470°
12/16	7:42 A.M.	7:48 A.M.	24%	Pulling ashes	Done pulling ashes	540°
12/18	9:12 A.M.	9:18 A.M.	24%	Load change	Readjusted boiler	550°
12/19	1:30 P.M.	1:36 P.M.	24%	Load increase	Readjusted boiler	550°
12/19	1:36 P.M.	1:42 P.M.	32%	Load increase	Adjustment complete	550°
12/19	5:06 P.M.	5:12 P.M.	26%	Excessive steamload	Readjusting boiler	550°
12/19	5:12 P.M.	5:18 P.M.	24%	Excessive steamload	Readjusting boiler	550°
12/19	5:24 P.M.	5:30 P.M.	26%	Excessive steamload	Readjusting boiler	550°
12/19	5:30 P.M.	5:36 P.M.	31%	Excessive steamload	Readjusting boiler	550°
12/19	5:36 P.M.	5:42 P.M.	26%	Excessive steamload	Readjusting boiler	550°

