

**DEPARTMENT OF ENVIRONMENTAL QUALITY  
AIR QUALITY DIVISION  
ACTIVITY REPORT: Self Initiated Inspection**

H310742637

FACILITY: Caro Regional Mental Health Center		SRN / ID: H3107
LOCATION: 2000 Chambers Road, CARO		DISTRICT: Saginaw Bay
CITY: CARO		COUNTY: TUSCOLA
CONTACT: Brian Hecht , Physical Plant Supervisor		ACTIVITY DATE: 12/11/2017
STAFF: Matthew Karl	COMPLIANCE STATUS: Compliance	SOURCE CLASS:
SUBJECT: Targeted inspection for FY18 of the Caro Regional Mental Health Center.		
RESOLVED COMPLAINTS:		

12/11/17- Chris Hare and I (Matt Karl) arrived on site at the Caro Regional Mental Health Center located at 2000 Chambers Road, Caro, MI 48723. The facility has previously held permits with the DEQ AQD for boilers used to provide heat and power the complex's buildings and an incinerator for on-site waste disposal. The facility was open and operating at the time of our inspection. Chris and I checked in at the Administrative Building's (Fig. 1, Building 51) front desk and exchanged contact information with Brian Hecht (Physical Plant Supervisor).

Chris and I then proceeded with our inspection, driving over to the first of the facility's power plants (Fig 1., Building 63). Outside of Building 63 we noted the presence of a Cummins generator unit. Inside Building 63 we met with Pat Donnelly (Power Plant Maintenance) who gave us a tour of Building 63 and looked up the operating specifications of the Cummins generator unit, which was installed 03/2017. The Cummins generator is a 750 kW, natural gas (NG) powered model and undergoes load testing once a month. There is currently one Johnston Boiler Company NG unit (9695-01) in operation within Building 63 (Fig. 2). There is also a Wickes NG boiler unit (9968) which was currently not in operation at the time of our inspection, but which could be brought online as backup for the other boiler(s).

We then proceeded to the second of the facility's power plants (Fig 1., Building 118). There are currently two Johnston Boiler Company units (9334-01 and 10870-01) in operation within building 118. Boiler unit 9334-01 "Boiler B" (Fig. 3) runs solely on natural gas while Boiler unit 10870-01 "Boiler A" (Fig. 4) is currently running on Fuel Oil #2 (diesel).

Emission Unit	Location	Date Installed	Firing Rate (MMBTU/hr)	Fuel	Exemption
Boiler 9968	Power Plant Building 63	1938	25.200	NG	Grandfathered (installed pre 8/15/67)
Boiler 9695-01	Power Plant Building 63	1997	12.560	NG, #6	336.1282(2)(bi)
Cummins Generator	Power Plant Building 63	2017	2.559	NG	336.1285(g)
Boiler 9334-01	Power Plant Building 118	1995	6.280	NG	336.1282(2)(bi)
Boiler 10870-01	Power Plant Building 118	2010	6.112	#2, NG	336.1282(2)(a)

**Summary:** Based on the 12/11/17 inspection of the Caro Regional Mental Health Center's power plants, all of the emission units appear to be exempt from permitting requirements (see table above). Therefore, at the time of the inspection the facility appears to be in compliance.

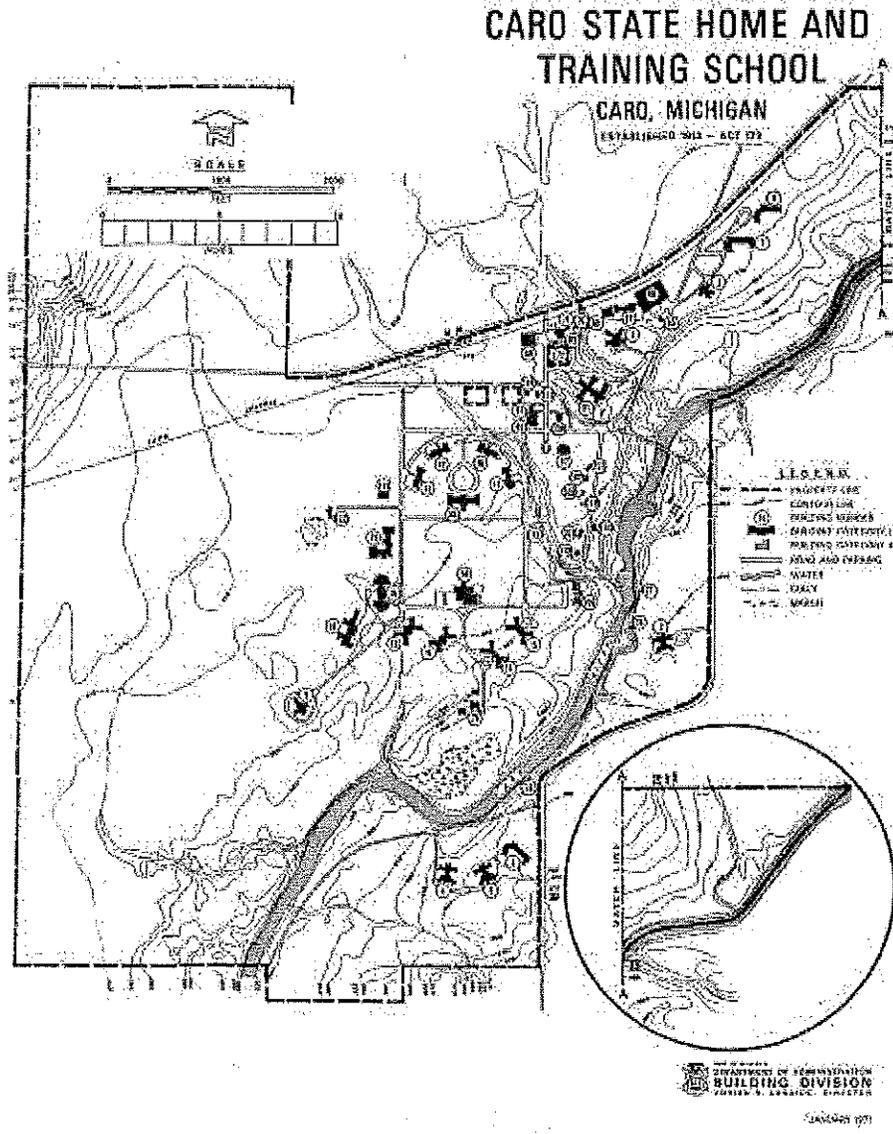
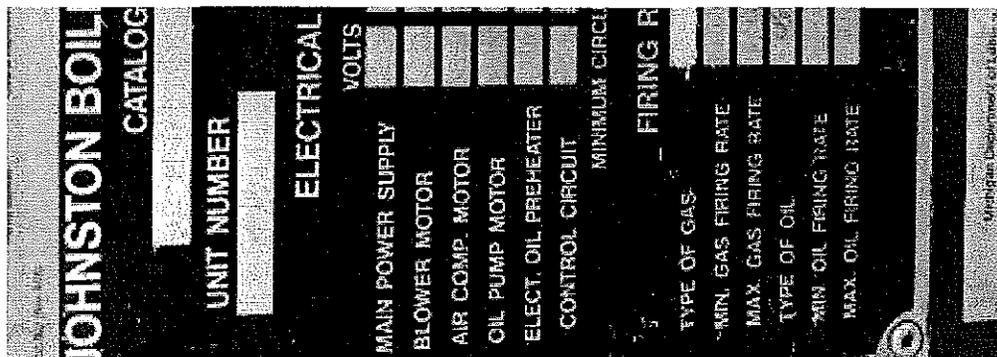
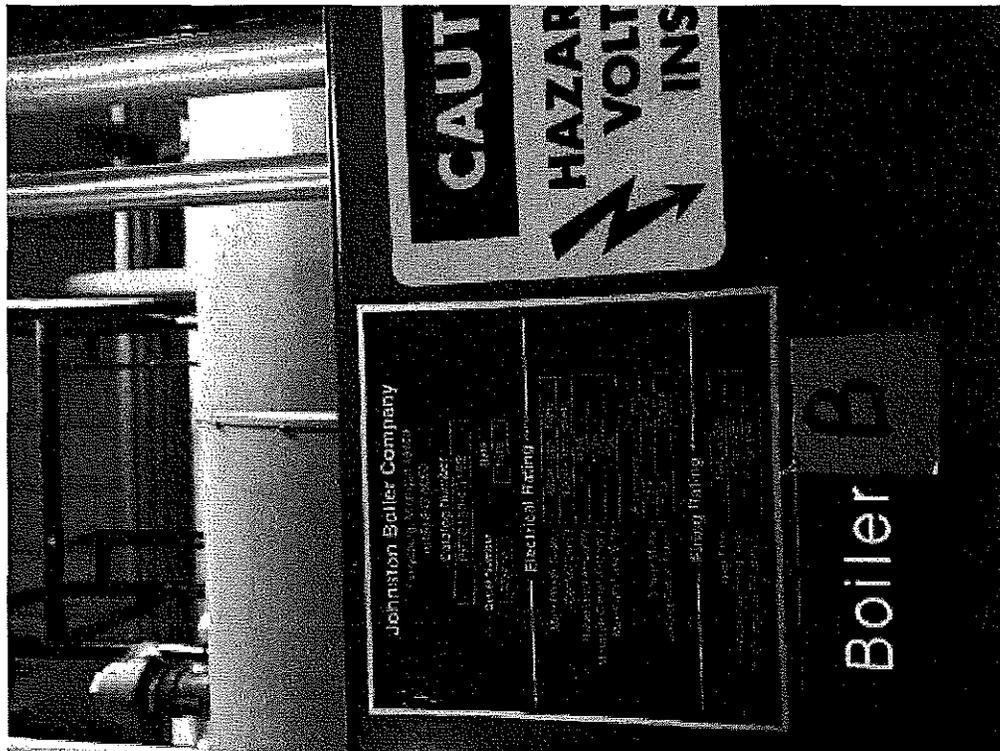
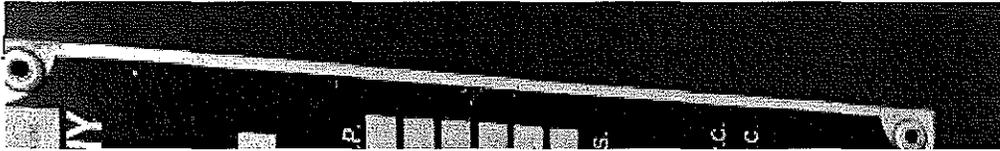


Image 1(Site Map) : Caro Regional Mental Health Center Site Map





**Image 3(Boiler Plate 9334-01) :** Power Plant Building 118, Dickerson Drive, Indian Fields Township, MI 48723

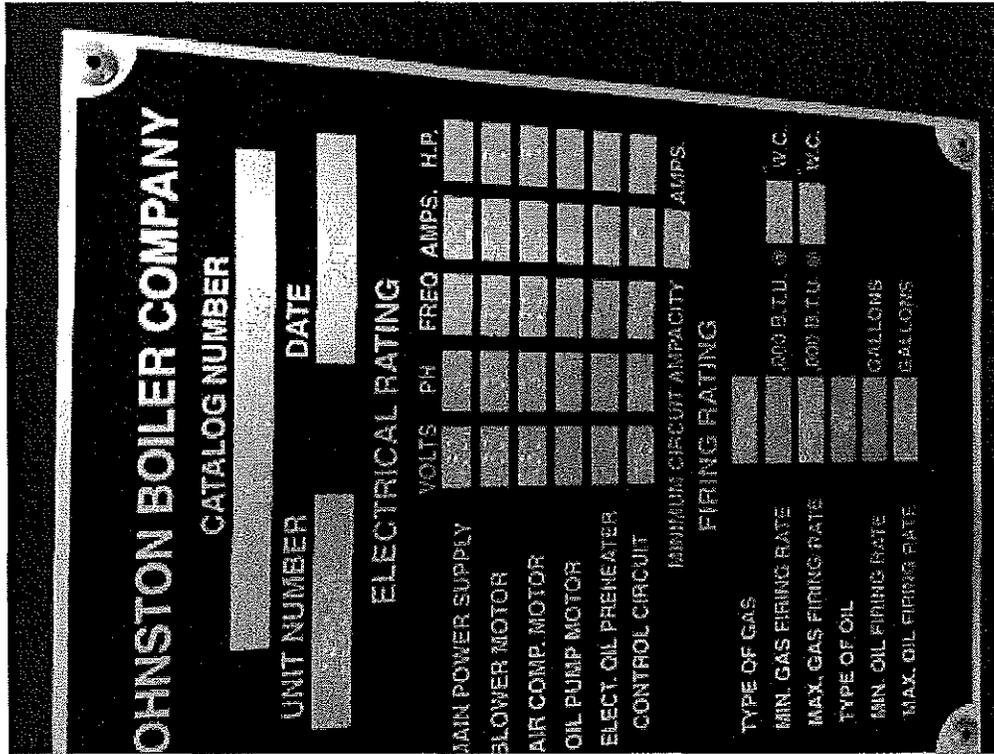


Image 4(BoilerPlate 10870-01) : Power Plant Building 118, Dickerson Drive, Indian Fields Township, MI 48723

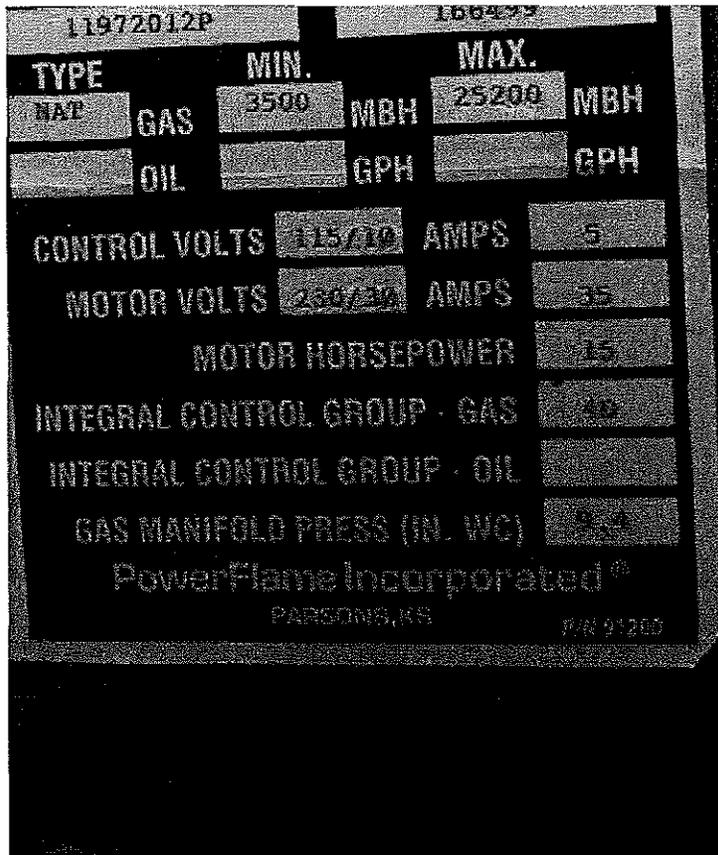
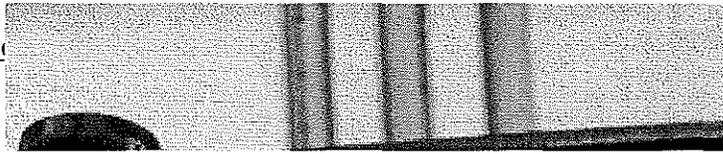


Image 5(Wi



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NAME Matthew R. Karl

DATE 1/10/18

SUPERVISOR C. Rose