
	GILES CHEMICAL ~ PREMIER MAGNESIA		
	Company Procedure		
	Title: <b>Boiler Treatment and Blow Down</b>	Number: <b>P12-PR-200-002</b>	
	Owner: <b>Patrick Owen</b>	Revision: <b>2</b>	
	Effective Date: <b>11/18/2014</b>	Page: <b>1 of 2</b>	

## 1.0 Purpose

This procedure describes the managing of the boiler tubes to keep them from corroding.

## 2.0 Scope

This procedure applies to the boilers at the Manufacturing facility.

## 3.0 Responsibility

Material Handler and Maintenance personnel are responsible for following this procedure.

## 4.0 Safety Considerations

Safety shoes and glasses are required when working around the boilers. **CAUTION**- boilers are hot.

Safety is a condition of employment. Employees are not authorized to work in an unsafe manner and are prohibited from harming the environment of the facility or community.

## 5.0 Materials/Equipment

N/A

## 6.0 Procedure

The boilers have feed chemicals added to them to keep the boiler tubes from corroding. Also, contaminants need to be purged from the system so the boilers are blown down on a regular basis.

### Adding chemicals to the boiler treatment tanks



1. The boiler technician will write a "recipe" of the 4 boiler chemicals for each boiler on the dry-erase board.
2. If the tank is less than half full, put the correct amounts of each chemical into the feed tank for each boiler.

### Boiler Blow Down (repeat for each boiler)

1. As often as recommended by the boiler technician, the boiler needs to be blown down. The boiler technician will also recommend how long to blow it down.
2. Turn off the feed pump switch for the boiler you are blowing down (off is in the middle).
3. Open the safety valve in the blow down line.
4. SLOWLY open the feed float blow down valve and leave it open as long as the boiler technician is recommending at the time.
5. Close the feed float blow down valve.

### Controlled Document

Only those quality documents viewed through the Giles Chemical electronic Documentation System are officially controlled. All other copies, whether viewed through another computer program or a printed version, are not controlled and, therefore, the Quality Unit at Giles assumes no responsibility for the accuracy of the document.

	<b>GILES CHEMICAL ~ PREMIER MAGNESIA</b>		
	<b>Company Procedure</b>		
	Title: <b>Boiler Treatment and Blow Down</b>	Number: <b>P12-PR-200-002</b>	
	Owner: <b>Patrick Owen</b>	Revision: <b>2</b>	
	Effective Date: <b>11/18/2014</b>	Page: <b>2 of 2</b>	

6. SLOWLY open the first bottom blow down valve and leave it open as long as the boiler technician is recommending at the time.
7. Close the first bottom blow down valve.
8. SLOWLY open the other bottom blow down valve and leave it open as long as the boiler technician is recommending at the time.
9. Close the other bottom blow down valve.
- 10. Close the safety valve in the blow down line.**
11. Turn the feed pump switch to automatic for the boiler you just blew down.
12. Ensure that the burner starts.
13. If you haven't yet, blow down the other boiler.

## 7.0 Reference Documents

N/A

## 8.0 Change Information

Document review- updated format using new artwork.

### Controlled Document

Only those quality documents viewed through the Giles Chemical electronic Documentation System are officially controlled. All other copies, whether viewed through another computer program or a printed version, are not controlled and, therefore, the Quality Unit at Giles assumes no responsibility for the accuracy of the document.