
	<b>GILES CHEMICAL ~ PREMIER MAGNESIA</b>		
	<b>Company Procedure</b>		
	Title: <b>Boiler Chemical Check</b>	Number: <b>M12-PR-200-005</b>	
	Owner: <b>Robert Willis</b>	Revision: <b>04</b>	
	Effective Date: <b>05/15/13</b>	Page: <b>1 of 2</b>	

## 1.0 Purpose

The purpose of this procedure is to describe the appropriate method to check chemicals on both boiler #1 and #2 to reduce scale and buildup in the boilers.

## 2.0 Scope

This procedure applies to all chemicals used for boiler treatment.

## 3.0 Responsibility

Maintenance

## 4.0 Safety Considerations

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 Proper way to check both boilers for proper chemical levels is as follows:*

1. Open valve on water column
2. Open back blow down valve
3. Let water pump run for approximately 30 seconds to ensure you get a clean sample
4. Use sample valve to obtain representative sample from the boiler (Be careful when obtaining water sample because there will be a mixture of steam and water coming from the valve).
5. Once representative sample is obtained, add neutralizer to sample until it turns pink then stop.
6. Representative sample will then turn back to clear liquid.
7. Add sample mixture to test meter and then empty meter.
8. Add second sample mixture to test meter and then empty meter.
9. Third sample added to meter should be tested for proper level
10. Sample should read between 1500-1800.
  - If above 1800 blow down should be increased (this can be in time duration or frequency)
  - If below 1500 blow down should be decreased (this can be in time duration or frequency)

Blow down frequencies will be established by vendor on board in boiler room. Maintenance will be responsible for testing and establishing frequency and times for blow down in between vendor visits.

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Production will continue to do boiler checks by shift. Any changes to time duration and/or frequency will be published on doc system.

## 7.0 Reference Documents

N/A

## 8.0 Amendment Record

Document review- updated format using new template and numbering system.

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