

<b>GILES CHEMICAL CORPORATION</b>			
<b>COMPANY PROCEDURE</b>			
<b>Standard Operating Procedure    Boiler chemical check</b>		Page : 1 of 2	Revision : 05/14/08 Date :
	Author Robert D. Willis	Title: Boiler check	

**Safety:** Follow all area safety rules. Wear the appropriate PPE when working.

**Purpose or Objective:** 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

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

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**TRAINING DOCUMENTATION**

	EMPLOYEE	TITLE	SIGNATURE	DATE
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