



OCCUPATIONAL SAFETY & HEALTH

Safety Standard-013 Lime Kiln Firing Deck

I. PURPOSE

The purpose of this Standard is to ensure that the Coosa Pines Mill establishes a system to mitigate risks to personnel and/or reduce the chance of an incident occurring while performing activities on the Kiln Firing Deck. This risk reduction is accomplished by ensuring that employees required to work in the area understand the potential hazards and follow guidelines to eliminate these hazards.

This standard and its requirements would also apply to contractors doing work on the Lime Kiln Firing Deck at the Coosa Pines Mill.

II. SCOPE

All employees of the Coosa Pines Mill and any contractors working at the Coosa Pines Mill are included in the scope of the standard.

III. ADMINSTRATIVE DUTIES

The Safety Manager or designee is responsible for oversight of this policy and applicable procedures. A copy of the standard must be reviewed by employees of the Coosa Pines Mill or contractors who will perform work on the Lime Kiln Firing Deck.

Implementation of this policy and applicable procedures is the responsibility of the site General Manager.

IV. RESPONSIBILITIES

All employees and contractors at the Coosa Pines Mill required to perform activities on the Lime Kiln Firing Deck understand and embrace the requirements of this standard and assure 100% compliance and accept accountability for following the guidelines set out in this standard. Employees and contractors are to notify supervision of any non-conformances regarding this standard and report all hazards and potential hazards immediately.

Supervision must ensure that all individuals required to perform tasks on the Lime Kiln Firing Deck are properly trained to do so and ensure that all authorized employees and contractors have the appropriate training and have reviewed and understand the requirements of this standard.



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Safety Standard-013 Lime Kiln Firing Deck

V. REQUIREMENTS AND PRACTICES

1. During normal operations, no adjustments to the kiln are to be made from the Recovery Boiler control room when kiln or recovery personnel may be on the kiln firing deck. Personnel must be verified to be at a safe distance or in the Lime Kiln control room before adjustments are made. Adjustments include the following:

- a) Gas adjustments
- b) Air adjustments
- c) Draft adjustments (ID fan damper/flooded disc)
- d) Kiln rotation speed adjustments
- e) Addition of cooling water to the kiln
- f) Increase or decrease of mud load

2. During upset conditions such as balling, plugged grates, or during start-up/shutdown, operation and adjustment of the Kiln will be controlled from the Kiln control room when possible and only through the Recovery control room operator by request of the operators at the kiln firing end or when confirmed safe to do so by an operator at the kiln firing end.

3. PPE required for working at any hood opening on the firing deck of the lime kiln includes all items listed below. This level of PPE is required when performing tasks such as pushing in the grates, pulling balls, unplugging grates, or any work that requires close proximity to the hood with any doors open.

- a) Carbon X suit with hood (hood must be on head)
- b) Salisbury hard hat with face shield (arc flash rated orange hat with green tinted face shield)
- c) Goggles
- d) Leather cut-resistant gloves
- e) Hearing protection
- f) Escape respirator
- g) H₂S monitor
- h) Back Brace (when pulling balls or unplugging grates)

4. Yellow caution chain and signs are in place to discourage casual traffic in this area.



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VI. DOCUMENTATION/RECORDS

A. Documentation

The Safety Manager will maintain the original standard and any subsequent revisions with the latest version of this standard accessible through the Coosa Portal and the Coosa Contractors Website.

Supervision is responsible to ensure documentation of review of this standard by all employees and contractors required to perform tasks at the Lime Kiln Firing Deck utilizing the Learning Management System (LMS).



Area Operations Coordinator to notify Safety Manager of necessary revisions to this standard.

B. Records

The Safety Manager is responsible for maintaining all applicable records per document control procedures.

VII. RECORD OF REVISIONS

Revision No.	Date	Description of Revision
0	05/24/2016	Original Issue

<p>ISSUED BY:</p>  Safety Manager Coosa Pines Mill	<p>APPROVED BY:</p>  General Manager Coosa Pines Mill
<u>5-25-16</u> DATE	<u>5-25-16</u> DATE