

**From:** [Air.Pollution Control](#)  
**To:** [APC Permitting](#)  
**Subject:** FW: Source 18-0086 AHF Products dba Crossville Agreement Letter  
**Date:** Thursday, April 4, 2024 10:18:44 AM  
**Attachments:** [Source 18-0086 AHF Products dba Crossville Agreement Letter Revision 3.pdf](#)

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**From:** Derrick Patterson <derrick.patterson@ahfproducts.com>  
**Sent:** Thursday, April 4, 2024 7:10 AM  
**To:** Air.Pollution Control <Air.Pollution.Control@tn.gov>  
**Cc:** Younes Aleali <Younes.Aleali@tn.gov>; Lacey Hardin <Lacey.Hardin@tn.gov>  
**Subject:** [EXTERNAL] Source 18-0086 AHF Products dba Crossville Agreement Letter

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April 3, 2024

Tennessee Department of Environment and Conservation  
Division of Air Pollution Control  
William R. Snodgrass Tennessee Tower, 15th Floor  
312 Rosa L. Parks Avenue  
Nashville, TN 37243

RE: Permit Agreement Letter – **Revision #3**  
Crossville Inc. Plant #1  
346 Sweeney Drive Crossville, TN 38555  
Emission Source 18-0086

Dear Ms. Owenby:

On behalf of Crossville Inc., the following permit limitations are agreed upon for the sources listed below, located at the above referenced facility:

**Source No. 18-0086-03 Kiln**

Particulate Matter: 0.44 pounds per hour from  
both kilns  
Sulfur Dioxide: 3.38 pounds per hour

**Source No. 18-0086-04**

Particulate Matter: 2.74 pounds per hour  
Sulfur Dioxide: 0.005 pounds per hour

**Source No. 18-0086-12 (NSPS UUU)**

Sulfur Dioxide: 0.01 pounds per hour

**Source No. 18-0086-13 Kiln**

Particulate Matter: 0.64 pounds per hour and 2.8  
tons per year  
Sulfur Dioxide: 4.7 pounds per hour  
Opacity Limit: 10%

**Source No. 18-0086-23 Kiln**

Particulate Matter: 0.1 pounds per hour  
Sulfur Dioxide: 0.33 pounds per hour  
Opacity Limit: 10%

**Source No. 18-0086-24 Kiln**

Particulate Matter: 0.2 pounds per hour  
Sulfur Dioxide: 1.0 pounds per hour  
Opacity Limit: 10%

**Source No. 18-0086-26 Baghouse**

Particulate Matter: 0.5 pounds per hour  
Opacity Limit: 10%

**Source No. 18-0086-28 Baghouse**

Particulate Matter: 0.46 pounds per hour  
Opacity Limit: 10%

**Source No. 18-0086-29 Baghouse**

Particulate Matter: 0.063 pounds per hour  
Opacity Limit: 10%

**Source No. 18-0086-30 Baghouse**

Particulate Matter: 0.063 pounds per hour  
Opacity Limit: 10%



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The maximum emission rate from the entire facility for any single hazardous air pollutant (HAP), listed pursuant to Section 112(b) of the Federal Act, shall not exceed 9.9 tons per year. Total emissions of all HAPs from the entire facility shall not exceed 24.9 tons per year. Uncontrolled maximum potential emissions calculations based on each source's designed maximum input rate are attached.

For the above referenced sources **18-0086-03, 18-0086-13, 18-0086-23, and 18-0086-24**, Crossville Inc. shall assure compliance with the agreed particulate matter and sulfur dioxide limitations by not exceeding the respective material and heat input limits for these kilns, and by only using natural gas or propane fuel.

For the above referenced source **18-0086-04**, Crossville Inc. shall assure compliance with agreed particulate matter and sulfur dioxide limitations by not exceeding the established material and heat input limits, by only operating with and properly maintaining a wet scrubber control device, and by only using natural gas or propane fuel.

For the above referenced source **18-0086-12**, Crossville Inc. shall assure compliance with agreed sulfur dioxide limitations only using natural gas or propane fuel.

For the above referenced sources **18-0086-26, 18-0086-28, 18-0086-29, and 18-0086-30**, Crossville Inc. shall assure compliance with particulate matter limitations by only operating with and properly maintaining the baghouse control devices associated with each of these emission units.

At the time of permit issuance, the AHF Products dba Crossville, Inc. Plant 1 is reporting that there are no insignificant or exempt activities/emission units that emit any HAPs. If AHF Products dba Crossville, Inc. Plant 1 adds insignificant or exempt activities/emission units that emit Haps. The AHF Products dba Crossville, Inc. Plant 1 shall provide notification to the Division of the change in facility HAPs emissions at least 30 days prior to the installation of each insignificant activity/emission unit [TAPCR 1200-03-09-.04(4)(a)] or at least 30 days prior to the installation of each exempt air contaminant source [TAPCR 1200-03-09-.04(4)(b), (c), or (d)].

On behalf of Crossville Inc., I agree to the above limitations. I am authorized to represent and bind the facility in environmental affairs.

Signature

Date

4/3/23

Name (printed)

John Pawley

Title

Vice President of Operations