

**From:** [Air.Pollution Control](#)  
**To:** [APC Permitting](#)  
**Subject:** FW: [EXTERNAL] Crossville Inc. Source No. 18-0086-12 Compliance Status Report  
**Date:** Monday, October 10, 2022 11:06:56 AM  
**Attachments:** [RSImage.png](#)  
[RSImage.png](#)  
[Spray Dryer Cover Letter Jan to June 2022.docx](#)  
[P-1 2022 Source 12 Pressure Drop Data Jan-Jun FINAL.pdf](#)

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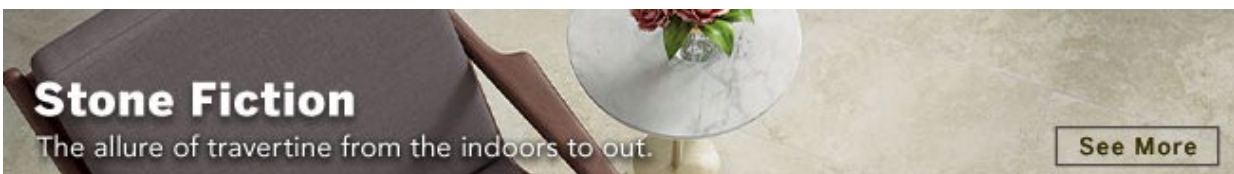
**From:** Derrick Patterson <[dpatterson@crossvilleinc.com](mailto:dpatterson@crossvilleinc.com)>  
**Sent:** Monday, October 10, 2022 10:15 AM  
**To:** Air.Pollution Control <[Air.Pollution.Control@tn.gov](mailto:Air.Pollution.Control@tn.gov)>  
**Cc:** Michael Briggs <[mbriggs@crossvilleinc.com](mailto:mbriggs@crossvilleinc.com)>; Amy Spann <[aspann@ensafe.com](mailto:aspann@ensafe.com)>; Younes Aleali <[Younes.Aleali@tn.gov](mailto:Younes.Aleali@tn.gov)>  
**Subject:** [EXTERNAL] Crossville Inc. Source No. 18-0086-12 Compliance Status Report

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**Derrick Patterson**  
Safety Supervisor  
[dpatterson@crossvilleinc.com](mailto:dpatterson@crossvilleinc.com)  
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Crossville, Inc. | <https://www.crossvilleinc.com>  
346 Sweeney Drive, Crossville, TN 38555





September 28, 2022

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

via e-mail: [air.pollution.control@tn.gov](mailto:air.pollution.control@tn.gov)

**RE: Compliance Status Report  
Crossville, Inc.  
Crossville, Tennessee (Source 18-0086-12)**

Ms. Owenby:

Condition 7 of Operating Permit Number 066746P requires our company to record once daily readings of pressure drop and wet scrubber flow under normal source operating conditions, as collected by the data logger system on the wet scrubber associated with Spray Dryer #2. Along with the daily record, Condition 8 of the permit requires written semi-annual reports be submitted to the Technical Secretary describing any exceedances of the established control device operational parameters.

This semi-annual report covers the reporting period from January 1, 2022 to June 30, 2022 with a report deadline of September 30, 2022. During this reporting period, there were no deviations of scrubber flow rate or pressure drop readings and the spray dryer operated normally.

We trust that you will find this information sufficient for your needs. However, if you have any questions or need more information, feel free to call either Amy Spann of EnSafe Inc. at (615) 255-9300 or me at (931) 484-2110. We appreciate your assistance in this matter.

Sincerely,

Derrick Patterson  
EHS Manager

**Crossville Inc.  
Crossville, Tennessee**

**Spray Dryer # 2  
Source 18-0086-12**

Date	Time	Daily Readings		Reasons for data values out of range of the regulation minimums
		Avg. Pressure Drop (in. H2O) Minimum = 10.8	Avg. Flow Rate (gpm) Range = 109 to 163	
1/1/2022				Dryer Not in Operation
1/2/2022				Dryer Not in Operation
1/3/2022	14:00	11.0	143.5	
1/4/2022	14:00	10.8	150.8	
1/5/2022	14:00	10.8	151.1	
1/6/2022	20:00	10.8	150.7	
1/7/2022	16:00	11.4	111.4	
1/8/2022				Dryer Not in Operation
1/9/2022				Dryer Not in Operation
1/10/2022	20:00	11.6	152.4	
1/11/2022	12:00	11.6	151.4	
1/12/2022	14:00	11.4	154.7	
1/13/2022	14:00	11.2	158.4	
1/14/2022	12:00	11.3	153.5	
1/15/2022				Dryer Not in Operation
1/16/2022				Dryer Not in Operation
1/17/2022	10:00	11.2	153.3	
1/18/2022	12:00	11.4	150.8	
1/19/2022	16:00	11.0	154.0	
1/20/2022				Dryer Not in Operation
1/21/2022	14:00	11.0	150.4	
1/22/2022				Dryer Not in Operation
1/23/2022				Dryer Not in Operation
1/24/2022	14:00	11.3	153.3	
1/25/2022	14:00	11.5	153.9	
1/26/2022	18:00	11.5	153.1	
1/27/2022	12:00	11.6	151.5	
1/28/2022	18:00	11.4	153.5	
1/29/2022				Dryer Not in Operation
1/30/2022				Dryer Not in Operation
1/31/2022	20:00	11.4	148.8	

**Crossville Inc.  
Crossville, Tennessee**

**Spray Dryer # 2  
Source 18-0086-12**

Date	Time	Daily Readings		Reasons for data values out of range of the regulation minimums
		Avg. Pressure Drop (in. H2O) Minimum = 10.8	Avg. Flow Rate (gpm) Range = 109 to 163	
2/1/2022	18:00	11.3	151.7	
2/2/2022	18:00	11.3	157.6	
2/3/2022	12:00	11.3	154.8	
2/3/2022	20:00	10.9	152.8	
2/4/2022	14:00	11.5	153.9	
2/5/2022				Dryer Not in Operation
2/6/2022				Dryer Not in Operation
2/7/2022				Dryer Not in Operation
2/8/2022	16:00	11.6	146.0	
2/9/2022	20:00	11.4	154.1	
2/10/2022	10:00	11.6	144.1	
2/11/2022	22:00	11.5	156.5	
2/12/2022				Dryer Not in Operation
2/13/2022				Dryer Not in Operation
2/14/2022	20:00	11.6	155.3	
2/15/2022	12:00	11.6	150.9	
2/16/2022	12:00	11.4	154.8	
2/16/2022	14:00	11.3	154.6	
2/16/2022	16:00	11.2	154.9	
2/16/2022	18:00	11.3	154.6	
2/17/2022				Dryer Not in Operation
2/18/2022	16:00	11.2	146.5	
2/19/2022				Dryer Not in Operation
2/20/2022				Dryer Not in Operation
2/21/2022	12:00	11.3	154.1	
2/22/2022	12:00	11.1	157.6	
2/23/2022	14:00	11.4	154.6	
2/24/2022	10:00	11.4	149.3	
2/25/2022	14:00	11.5	128.9	
2/26/2022				Dryer Not in Operation
2/27/2022				Dryer Not in Operation
2/28/2022	12:00	11.6	151.3	

**Crossville Inc.  
Crossville, Tennessee**

**Spray Dryer # 2  
Source 18-0086-12**

Date	Time	Daily Readings		Reasons for data values out of range of the regulation minimums
		Avg. Pressure Drop (in. H2O) Minimum = 10.8	Avg. Flow Rate (gpm) Range = 109 to 163	
3/1/2022	16:00	11.2	154.5	
3/2/2022	12:00	11.6	154.0	
3/3/2022	18:00	11.7	157.5	
3/4/2022	14:00	11.1	155.1	
3/5/2022				Dryer Not in Operation
3/6/2022				Dryer Not in Operation
3/7/2022	14:00	11.0	155.0	
3/8/2022	12:00	11.5	152.5	
3/9/2022	18:00	11.2	149.6	
3/10/2022	12:00	11.3	151.4	
3/11/2022	8:00	11.5	151.1	
3/12/2022				Dryer Not in Operation
3/13/2022				Dryer Not in Operation
3/14/2022	16:00	11.4	153.4	
3/15/2022	12:00	11.4	153.8	
3/16/2022	12:00	11.4	151.0	
3/17/2022	8:00	11.4	138.2	
3/18/2022	10:00	11.1	128.5	
3/19/2022				Dryer Not in Operation
3/20/2022				Dryer Not in Operation
3/21/2022	10:00	11.5	111.0	
3/23/2022				Less than 2 hours of continuous operation
3/24/2022	14:00	11.2	151.5	
3/25/2022				Less than 2 hours of continuous operation
3/26/2022				Dryer Not in Operation
3/27/2022				Dryer Not in Operation
3/28/2022	14:00	11.2	141.4	
3/29/2022				Less than 2 hours of continuous operation
3/30/2022	12:00	11.2	121.6	
3/31/2022	16:00	11.1	137.9	

**Crossville Inc.  
Crossville, Tennessee**

**Spray Dryer # 2  
Source 18-0086-12**

Date	Time	Daily Readings		Reasons for data values out of range of the regulation minimums
		Avg. Pressure Drop (in. H2O) Minimum = 10.8	Avg. Flow Rate (gpm) Range = 109 to 163	
4/1/2022	16:00	11.2	143.4	
4/2/2022				Dryer Not in Operation
4/3/2022				Dryer Not in Operation
4/4/2022	22:00	11.4	149.3	
4/5/2022	10:00	11.3	149.8	
4/6/2022	18:00	11.1	156.7	
4/7/2022	12:00	11.3	147.7	
4/8/2022	6:00	11.4	154.1	
4/9/2022				Dryer Not in Operation
4/10/2022				Dryer Not in Operation
4/11/2022	20:00	11.4	151.5	
4/12/2022	10:00	11.4	150.0	
4/13/2022	12:00	11.1	161.8	
4/14/2022	14:00	11.3	156.6	
4/15/2022	14:00	11.3	112.2	
4/16/2022				Dryer Not in Operation
4/17/2022				Dryer Not in Operation
4/18/2022	10:00	11.4	127.8	
4/19/2022	12:00	11.3	155.2	
4/20/2022	18:00	11.4	157.4	
4/21/2022	20:00	11.6	156.1	
4/22/2022	14:00	11.3	143.7	
4/23/2022				Dryer Not in Operation
4/24/2022				Dryer Not in Operation
4/25/2022	10:00	11.0	149.6	
4/26/2022	12:00	11.4	147.5	
4/27/2022	16:00	11.5	149.0	
4/28/2022	18:00	11.4	146.1	
4/29/2022	16:00	11.3	149.2	
4/30/2022				Dryer Not in Operation

**Crossville Inc.  
Crossville, Tennessee**

**Spray Dryer # 2  
Source 18-0086-12**

Date		Daily Readings		Reasons for data values out of range of the regulation minimums
		Avg. Pressure Drop (in. H <sub>2</sub> O) Minimum = 10.8	Avg. Flow Rate (gpm) Range = 109 to 163	
5/1/2022				Dryer Not in Operation
5/2/2022	12:00	11.6	151.8	
5/3/2022	2:00	11.3	151.6	
5/4/2022	18:00	11.2	158.9	
5/5/2022				Dryer Not in Operation
5/6/2022	10:00	11.1	154.5	
5/7/2022				Dryer Not in Operation
5/8/2022				Dryer Not in Operation
5/9/2022	14:00	11.3	156.3	
5/10/2022	12:00	11.4	140.4	
5/11/2022	16:00	11.3	158.0	
5/12/2022	16:00	11.2	157.8	
5/13/2022	14:00	11.3	161.5	
5/14/2022				Dryer Not in Operation
5/15/2022				Dryer Not in Operation
5/16/2022	12:00	11.2	160.4	
5/17/2022	18:00	11.3	127.8	
5/18/2022	18:00	11.2	156.0	
5/19/2022	12:00	11.1	156.4	
5/20/2022	12:00	11.2	157.5	
5/21/2022				Dryer Not in Operation
5/22/2022				Dryer Not in Operation
5/23/2022	18:00	11.3	156.3	
5/24/2022				Dryer Not in Operation
5/25/2022	18:00	11.2	155.5	
5/26/2022	12:00	11.1	156.9	
5/27/2022	16:00	11.2	154.9	
5/28/2022				Dryer Not in Operation
5/29/2022				Dryer Not in Operation
5/30/2022				Dryer Not in Operation
5/31/2022	14:00	11.1	155.1	

**Crossville Inc.  
Crossville, Tennessee**

**Spray Dryer # 2  
Source 18-0086-12**

Date	Time	Daily Readings		Reasons for data values out of range of the regulation minimums
		Avg. Pressure Drop (in. H <sub>2</sub> O) Minimum = 10.8	Avg. Flow Rate (gpm) Range = 109 to 163	
6/1/2022	18:00	11.2	136.6	
6/2/2022				Less than 2 hours of continuous operation
6/3/2022	10:00	11.0	121.0	
6/3/2022	12:00	11.1	150.4	
6/3/2022	14:00	11.1	151.6	
6/4/2022				Dryer Not in Operation
6/5/2022				Dryer Not in Operation
6/6/2022	16:00	11.0	152.2	
6/7/2022				Less than 2 hours of continuous operation
6/8/2022	14:00	10.9	151.3	
6/9/2022	10:00	11.1	119.1	
6/10/2022	12:00	11.1	148.0	
6/11/2022				Dryer Not in Operation
6/12/2022				Dryer Not in Operation
6/13/2022	12:00	11.0	155.1	
6/14/2022	10:00	11.1	123.1	
6/15/2022				Less than 2 hours of continuous operation
6/16/2022	20:00	11.1	158.0	
6/17/2022	18:00	11.1	133.4	
6/18/2022				Dryer Not in Operation
6/19/2022				Dryer Not in Operation
6/21/2022	10:00	11.2	151.1	
6/22/2022	2:00	11.3	147.6	
6/23/2022	12:00	11.1	157.6	
6/24/2022	0:00	11.3	152.1	
6/25/2022				Dryer Not in Operation
6/26/2022				Dryer Not in Operation
6/27/2022	12:00	11.1	158.5	
6/28/2022				Less than 2 hours of continuous operation
6/29/2022	16:00	11.1	159.2	
6/30/2022	14:00	11.1	159.3	

I have reviewed this NSPS Subpart UUU report in its entirety and to the best of my knowledge, and based on information and belief formed after reasonable inquiry, the statements and information contained in this document are true, accurate, and complete.



Derrick Patterson  
EHS Manager