

DEPARTMENT OF ENVIRONMENTAL QUALITY  
AIR QUALITY DIVISION

**FCE Summary Report**

<b>Facility :</b> Comfort Research	<b>SRN :</b> N1916
<b>Location :</b> 1719 Elizabeth NW	<b>District :</b> Grand Rapids
	<b>County :</b> KENT
<b>City :</b> GRAND RAPIDS <b>State:</b> MI <b>Zip Code :</b> 49504	<b>Compliance Status :</b> Compliance
<b>Source Class :</b> MAJOR	<b>Staff :</b> Kaitlyn DeVries
<b>FCE Begin Date :</b> 11/3/2015	<b>FCE Completion Date :</b> 11/2/2016
<b>Comments :</b> FY 2017 FCE	

**List of Partial Compliance Evaluations :**

Activity Date	Activity Type	Compliance Status	Comments
10/13/2016	Scheduled Inspection	Compliance	The purpose of this inspection was to determine compliance with MI-ROP-N1916-2014, PTI No. 159-15, Consent Order No. 4-2013, and all other applicable air quality rules and regulations.
09/28/2016	ROP Semi 1 Cert	Compliance	This report was received on time and complete (Received 9/15/16). No deviations were reported for the reporting period. No further action is necessary.
09/12/2016	ROP Monthly	Compliance	The August 2016 monthly emissions report was received on time and complete. The monthly VOC emissions for the 7.5% beads was 0.02 tons with a 12 month rolling emission rate of 0.27 tons. The maximum beads expanded was 600, which is below the limit of 4,500. The monthly VOC emissions for the 6.5% beads was 6.04 tons with a 12 month rolling emission rate of 61.87 tons. The maximum beads expanded was 24,800 which is below the limit of 30,800. No further action is necessary at this time.

Activity Date	Activity Type	Compliance Status	Comments
08/24/2016	ROP Monthly	Compliance	<p>The June 2016 monthly emissions report was received on time (Received 7/25/2016). The initial report had an error in reporting the 12-month rolling emissions for the 6.5% beads. KD mentioned this to Comfort Research and the error was corrected. The new report was received on August 24, 2016. The monthly VOC emissions for the 7.5% beads was 0.02 tons with a 12 month rolling emission rate of 0.23 tons. The maximum beads expanded was 550 which is below the limit of 4,500. The monthly VOC emissions for the 6.5% beads was 6.21 tons with a 12 month rolling emission rate of 60.15 tons. The maximum beads expanded was 19,500 which is below the limit of 30,800. No further action is necessary at this time.</p>
08/24/2016	ROP Monthly	Compliance	<p>The July 2016 monthly emissions report was received on time and complete. The monthly VOC emissions for the 7.5% beads was 0.02 tons with a 12 month rolling emission rate of 0.25 tons. The maximum beads expanded was 500, which is below the limit of 4,500. The monthly VOC emissions for the 6.5% beads was 4.53 tons with a 12 month rolling emission rate of 59.22 tons. The maximum beads expanded was 18,300 which is below the limit of 30,800. No further action is necessary at this time.</p>
07/11/2016	ROP Monthly	Compliance	<p>The May 2016 monthly emissions report was received on time and complete (Received electronically 6/23/2016). The monthly VOC emissions for the 7.5% beads was 0.07 tons with a 12 month rolling emission rate of 0.21 tons. The maximum beads expanded was 675 which is below the limit of 4,500. The monthly VOC emissions for the 6.5% beads was 3.28 tons with a 12 month rolling emission rate of 59.24 tons. The maximum beads expanded was 9,600 which is below the limit of 30,800. No further action is necessary at this time.</p>

Activity Date	Activity Type	Compliance Status	Comments
05/31/2016	ROP Monthly	Compliance	The April 2016 monthly emissions report was received on time and complete (Received 5/27/2016). The monthly VOC emissions for the 7.5% beads was 0 tons with a 12 month rolling emission rate of 0.14 tons, no beads were processed this way for the Month of April. The monthly VOC emissions for the 6.5% beads was 3.28 tons with a 12 month rolling emission rate of 58.69 tons. The maximum beads expanded was 9,600 which is below the limit of 30,800. No further action is necessary at this time.
04/15/2016	ROP Monthly	Compliance	The March 2016 monthly emissions report was received on time and complete (Received 4/14/2016). The monthly VOC emissions for the 7.5% beads was 0 tons with a 12 month rolling emission rate of 0.14 tons, no beads were processed this way for the Month of March. The monthly VOC emissions for the 6.5% beads was 5.49 tons with a 12 month rolling emission rate of 57.99 tons. The maximum beads expanded was 19,200 which is below the limit of 30,800. No further action is necessary at this time.
03/18/2016	ROP Annual Cert	Compliance	This report was received on time and complete (Received 3/14/16). This report indicates five (5) deviations. All of these deviations have previously been reported, as required. Three (3) of the deviations are for late submittals of the required monthly emission reports (January 2015, February 2015, and March 2015). The other two (2) deviations were for late submittals of the previous two (2) semi-annual compliance reports (March 2015 and September 2015). All of the required reports were submitted, and violation notices were sent at the appropriate time(s) addressing each of these non-compliance issues. No further action is necessary at this time.

Activity Date	Activity Type	Compliance Status	Comments
03/18/2016	ROP SEMI 2 CERT	Compliance	This report was received on time and complete (Received 3/18/16). The only deviation reported was the late submittal of the semi-annual compliance notification, which was due on 9/15/15. This report was late due to a lack of a reliable compliance system. Comfort Research has hired a new consultant, and is working to develop a system that will maintain compliance. No further action is necessary.
03/14/2016	ROP Monthly	Compliance	The February 2016 monthly emissions report was received on time and complete (Received 3/11/2016). The monthly VOC emissions for the 7.5% beads was 0.03 tons with a 12 month rolling emission rate of 0.14 tons. The daily maximum of beads expanded was 800 which is below the limit of 4,500. The monthly VOC emissions for the 6.5% beads was 3.82 tons with a 12 month rolling emission rate of 54.49 tons. The maximum beads expanded was 14,400 which is below the limit of 30,800. No further action is necessary at this time.
02/22/2016	ROP Monthly	Compliance	The January 2016 monthly emissions report was received on time and complete (Received 2/17/16). The monthly VOC emissions for the 7.5% beads was 0.11 tons. This was the first month these beads were expanded, thus there currently isn't a 12-month rolling emission calculation. The daily maximum of beads expanded was 3,000 which is below the limit of 4,500. The monthly VOC emissions for the 6.5% beads was 4.33 tons with a 12 month rolling emission rate of 52.73 tons. The maximum beads expanded was 10,800 which is below the limit of 30,800. No further action is necessary at this time.

Activity Date	Activity Type	Compliance Status	Comments
01/20/2016	ROP Monthly	Compliance	The December 2015 monthly emissions report was received on time and complete. The monthly VOC emissions were 6.71 tons with a 12-month rolling of 51.21 tons. The daily maximum of beads expanded was 16,800 which is below the limit of 30,800. As of the end of December 2015, Comfort research has not expanded the higher VOC content beads yet, nor have they fused them. First trials of this were done in January 2016. No further action is necessary at this time.
12/15/2015	ROP Monthly	Compliance	The November monthly emissions report was received on time and complete. The monthly VOC emissions were 8.70 tons with a 12-month rolling of 54.37 tons. The daily maximum of beads expanded was 24,000, which is below the limit of 36,000.
12/10/2015	ROP Monthly	Compliance	The October monthly emissions report was received on time and complete. The emissions data from October 2014 was inadvertently sent in, however, this has since been corrected. The monthly VOC emissions were 5.46 tons with a 12-month rolling of 54.91 tons. The daily maximum of beads expanded was 16,800, which is below the limit of 36,000. No further action is necessary at this time.

Name: Kaulep Dario Date: 11/2/2016

Supervisor: 