

DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION

FCE Summary Report

Facility : HAVILAND ENTERPRISES, INC	SRN : N0878
Location : 421 ANN ST NW	District : Grand Rapids
	County : KENT
City : GRAND RAPIDS State: MI Zip Code : 49504	Compliance Status : Non Compliance
Source Class : SM OPT OUT	Staff : Kaitlyn DeVries
FCE Begin Date : 9/27/2017	FCE Completion Date : 9/26/2018
Comments : FY 2018 FCE	

List of Partial Compliance Evaluations :

Activity Date	Activity Type	Compliance Status	Comments
09/11/2018	Stack Test	Compliance	<p>Total Chromium and Hexavalent Chromium Emissions from Chrome powder and liquid blending process stack test report was received on time and complete. The powder blending and the liquid blending processes were tested separately.</p> <p>The 3 run average test results for the total chromium for the powder blender were 1.44×10^{-5} pph.</p> <p>The 3 run average test results for the total chromium for the liquid blender were 7.64×10^{-6} pph.</p> <p>The 3 run average test results for hexavalent chromium for the powder blender were 6.07×10^{-6} pph.</p> <p>The 3 run average test results for hexavalent chromium for the liquid blender were 4.75×10^{-6} pph.</p> <p>It should be noted that the fan speed during the test was at 45% of its potential, and any change in the fan speed would effect the emissions.</p>

Activity Date	Activity Type	Compliance Status	Comments
08/30/2018	Scheduled Inspection	Non Compliance	The purpose of this inspection was to determine compliance with Permit to Install (PTI) No. 71-17C and other applicable air quality rules and regulations.
06/28/2018	Stack Test Observation		Chromium Scrubber Stack Test June 28 and June 29, 2018.
06/28/2018	Visible Emissions Evaluation	Compliance	Method 9 readings from FGEASTMANUFACTURING Scrubber Stack
06/19/2018	MAERS	Compliance	This is the first year that the company is required to report to MAERS. The company is reporting Zero (0) for multiple emission units. This is due to the fact that the actual emissions are less than 20 pounds, therefore are allowed to be reported as Zero (0). The company is also reporting 0.5% loss factor for most of the PM and VOC sources. This is based from AP 42 6.4, which is for paint and varnish. While the facility does not manufacture or use paint and varnish, the assumption of 0.5 lbs/100 lbs emitted to the control device may be valid. AQD will request that the facility verify these emission rates either via testing of some other supporting documentation that can equate the documentation of AP 42 6.4 to this type of process.
10/30/2017	Stack Test	Compliance	The emissions Test Report for the chromium test from EUCHROME BLEND was received on time and complete. The results indicate a chromium emission rate of 3.63×10^{-5} gr/dscf for total chromium and 3.11×10^{-5} gr/dscf for hexavalent chromium, which correlate to emission rates of 2.21×10^{-4} pph and 2.74×10^{-4} pph for total chromium and hexavalent chromium, respectively. These emission rates were used to set the emission limit in the newly issued PTI No. 71-17.

Name: Kaitlyn Dubio Date: 9/26/2018 Supervisor: 