

## 1.0 EXECUTIVE SUMMARY

MOSTARDI PLATT conducted a compliance emissions test program for Specialty Minerals, Inc. on June 1, 2017 on the Three Carbonators Common Stack in Iron Mountain, Michigan. This report summarizes the results of the test program and test methods used.

The test location, test date, and test parameters are summarized below.

TEST PARAMETERS		
Test Location	Test Date	Test Parameters
Three Carbonators Common Stack	June 1, 2017	Nitrogen Oxides (NO <sub>x</sub> ), Carbon Dioxide (CO <sub>2</sub> ), Oxygen (O <sub>2</sub> ), Carbon Monoxide (CO) and Volatile Organic Compounds (VOCs)

The purpose of the test program was to evaluate the emissions to satisfy the regulatory requirements of the operating permit. Selected results of the test program are summarized below. A complete summary of emission test results follows the narrative portion of this report.

REQUIRED TEST RESULTS AND EMISSION LIMITS				
Test Location	Test Date	Test Parameter	Emission Limit	Emission Rate
Three Carbonators Common Stack	6/1/17	NO <sub>x</sub>	387.5 ppmvd @ 4% O <sub>2</sub>	172.0 ppmvd @ 4% O <sub>2</sub>
			39.6 pph	16.74 pph
		CO	524 ppmvd @ 4% O <sub>2</sub>	33.5 ppmvd @ 4% O <sub>2</sub>
			32.6 pph	1.98 pph
		VOC	148.5 ppmvd @ 4% O <sub>2</sub>	9.0 ppmvd @ 4% O <sub>2</sub>
			5.28 pph	0.84 pph

Operating data as provided by Specialty Minerals, Inc. is included in Appendix A.

The identifications of the individuals associated with the test program are summarized below.

TEST PERSONNEL INFORMATION		
Location	Address	Contact
Test Facility	Specialty Minerals, Inc. P.O. Box 1047 Iron Mountain, Michigan 49801	Ms. Terri Rose Plant Assistant (906) 779-9138 (phone) Terri.Rose@Mineralstech.com
Testing Company Representative	Mostardi Platt 888 Industrial Drive Elmhurst, Illinois 60126	Mr. Timothy A. Mei Project Manager (630) 993-2100 (phone) tmei@mp-mail.com

The test crew consisted of Messrs. C. Eldridge, B. Garcia, A. McKillip, and T. Mei of Mostardi Platt.