

FACILITY MONITORING PLAN
(UPDATED FEBRUARY 2015)

FACILITY NAME: Active Minerals International, LLC.

AIR PERMIT NO.: 0390041-005-AO

FACILITY ADDRESS: 1130 Dade Street, Quincy, Florida

MONITORING PLAN CONTACT: Pradeep Raval, Koogler & Associates
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INTRODUCTION

The construction permit issued for the facility, Permit No. 0390041-001-AC requires a monitoring plan for the facility that would provide FDEP with reasonable assurance that the emission units located at the facility are operating in compliance with the provisions of the air permit.

FACILITY DESCRIPTION

The Active Minerals International, LLC. facility is a clay storage, handling and processing plant. Dried clay material is pneumatically transferred from bulk trucks into storage silo, then classified, milled, stored, packaged, as necessary for loadout.

Emissions from the facility are primarily from bins and silos listed in Table 1. While most of the emission points are located inside the building, there are emission points (1, 2, 5A, 7, 8, 9, 10, 11 and 13) that are located outside the building and/or have individual dust collectors to control particulate matter emissions that exhaust to the atmosphere. These emission points are subject to a visible emissions limitation.

In order to provide reasonable assurance of proper dust collector operation regarding these emission points, FDEP is requiring a monitoring plan.

EQUIPMENT USED

Active Minerals International, LLC. has installed pressure transmitters, manufactured by Dwyer, Model 604A-1, or equivalent, to monitor the pressure drop for each of the dust collectors identified above. Based on the manufacturer specifications, the expected operation range can vary from 0.05 to 10 inches H₂O. The typical operating range has varied from about 0.02 to 7 inches H₂O.

RECORDING FREQUENCY

The pressure drops are recorded once per shift when a unit is in use.

RECORDING FORMAT

The following is a sample format, reflecting information from January 2015:

Dust Collector Differentials

	SHIFT 1 0700-1459	SHIFT 2 1500-2259	SHIFT 3 2300-0659
DC 1	0.25	0.09	0.03
DC 10	0.63	0.41	0.36
DC 6	0.32	3.13	0.5
DC 7	1.03	1.47	0.54
DC 8	0.02	0.02	0.05
DC 11	0.11	0.07	0.06
DC 12	0.00	0.00	0.00
DC 13	4.8	6.4	4.5
DC 22	4.5	3.8	3.2

COMMENTS: Zero indicates unit not in operation

SUPPLEMENTAL INFORMATION - DAILY VISUAL OBSERVATIONS:

DC 1 No visible emissions
DC 10 No visible emissions
DC 22 No visible emissions
DC 6 No visible emissions
DC 7 No visible emissions
DC 8 No visible emissions
DC 11 No visible emissions
DC 12 No visible emissions
DC 13 No visible emissions
Building vents- No visible emissions

MONITORING EQUIPMENT BROCHURE

The monitoring equipment brochure will be kept on site for reference.