Florida Department of Environmental Protection

Memorandum

TO: Rick Bradburn
THROUGH: Armando I. Sarasua, P.E.
FROM: Angelia Jackson
DATE: January 1, 2012
SUBJECT: Evaluation Summary for Boral Material Technologies, Inc., Panama City Facility; 7775355-003-AO; Bay County

We recommend issuing a renewal permit to Boral Material Technologies, Inc. to operate their Panama City Facility. This permit follows 7775355-002-AO, effective January 30, 2008.

Process Description. This facility consists of a fly ash terminal. Fly ash generated by off-site coal-fired combustion is delivered to the site by railcar and pneumatically loaded to a fly ash silo at a maximum rate of 50 tons per hour. The fly ash silo loads tanker trucks through a gravity fed load out spout at a maximum rate of 150 tons per hour. The facility has a maximum throughput rate of 70,000 tons per year.

Pollution Control Equipment. PM emissions from silo loading and unloading are controlled by a baghouse located atop the silo. The loading of trucks from the silo is conducted in a gravity feed loadout spout, which terminates with a box that seals tightly around the tanker inlet opening to prevent fugitive emissions. Dust generated by the enclosed loadout system from the silo to the tanker truck is captured by flexible hose attached to the loading spout. This flexible hose returns fugitive dust back into the silo where the emissions can be controlled by the silo mounted baghouse.

Environmental Impact.

Airborne Contaminant Emitted	FAC Rule	Estimated Emissions		Allowable Emissions	
		lbs/hr	T/yr	lb/hr	T/yr
PM (Silo Loading)	N/A	N/A	0.31	N/A	N/A
PM (Truck Loading)	N/A	N/A	1.99	N/A	N/A
Objectionable Odors	62-296.320(2)	N/A	N/A	None allowed off plant property	
VE	62-296.320(4)(b)	N/A	N/A	Not more than 20% opacity	

Applicable Rules & Regulations. This source is regulated in accordance with F.A.C. Rule 62-296.320(2) & (4)(b), F.A.C.

Compliance Monitoring. Annual VE testing of the baghouse. Records of fly ash throughput amounts and non-hazardous verifications. The facility also follows procedures detailed in permit Attachment D, Appendix AP-1(Environmental Compliance Plan).

Compliance History. 2008, 2010 and 2012 compliance inspections noted the facility "In-Compliance."

Fee Summary. This is an AO2B ($1,000 fee) minor source with no stack test. The original construction permit fee was $250 for an AC-1F facility (source less than 5TPY).

AJ/c