Florida Department of Environmental Protection

Memorandum

TO: Rick Bradburn
THROUGH: Armando I. Sarasua, P.E.
FROM: María J. Irizarry
DATE: March 8, 2012
SUBJECT: Evaluation Summary for A Materials Group, Inc., AMGI Plant #23 7775367-004-AO, Jackson County

We recommend issuing a renewal permit to A Materials Group, Inc., to operate their AMGI Plant #23, an existing relocatable concrete batch plant in Marianna, Florida. This permit is a renewal for permit 7775367-002-AO, effective July 23, 2007.

Permit 7775367-002-AO was issued to Trinity Materials, LLC to operate the Marianna Concrete Batch Plant No. 33, and was later transferred to A Materials Group, Inc., to operate AMGI Plant #23 under project 7775367-003-AO

Process Description. The plant consists of aggregate (sand and gravel) storage and handling, a cement and fly ash storage silo, a weigh hopper and batcher truck loader. Cement and fly ash are pneumatically loaded from tanker trucks to the storage silo. Sand and gravel are placed into the hopper by a front-end loader. Conveyors transport the sand and aggregate to the batcher. Cement and fly ash are pneumatically transported to the batcher. The batched concrete then drops into a mixer truck, where water is added.

Pollution Control Equipment. Particulate matter (PM) emissions during cement and fly ash loading are controlled by two WAM silo top baghouse filters. PM emissions during batching and truck loading are controlled with a Con-E-Co PJ-980 Dust Collector.

Environmental Impact.

Airborne Contaminant Emitted	FAC Rule	Estimated Emissions		Allowable Emissions	
		lbs/hr	T/yr	lb/hr	T/yr
PM	N/A	2.153	4.03	N/A	N/A
SO2	N/A	N/A	N/A	N/A	N/A
VOC	N/A	N/A	N/A	N/A	N/A
NOx	N/A	N/A	N/A	N/A	N/A
CO	N/A	N/A	N/A	N/A	N/A
Objectionable Odors	62-296.320(2)	N/A	N/A	None allowed off plant property	
VE	62-296.414(1)	N/A	N/A	Not more than 5% opacity	

Applicable Rules & Regulations. This source is regulated in accordance with Rule 62-296.414, F.A.C.

Compliance Monitoring. Annual VE testing, production rate and operation hours recordkeeping.

Compliance History. 2011 – 2007 – Facility noted to be "In compliance."

Fee Summary. This is an AO2B ($1,000 fee) minor source with no stack test.

MJI/c