Florida Department of

Environmental Protection

Memorandum

TO: Rick Bradburn
THROUGH: Armando I. Sarasua, P.E.
FROM: María J. Irizarry
DATE: April 6, 2012
SUBJECT: Evaluation Summary for Anderson Columbia Co., Inc., ACCI Plant #6
7770034-011-AO, Okaloosa County

We recommend issuing a renewal permit to Anderson Columbia Co., Inc. to operate their Plant #6. This permit follows 7770034-010-AO, effective September 23, 2008. This facility is a relocatable asphalt concrete plant that began initial operation in December 1, 1993.

Process Description. The double drum mix asphalt plant is manufactured by Astec Industries. The fuel oil burner has a heat input of 75 MMBtu/hour. The plant has an operating capacity of 300 tons of asphalt mix per hour. Fugitive emissions at the facility result from uncontrolled process emissions, aggregate stockpiles, and vehicular traffic.

The facility is permitted to burn on-specification used oil and natural gas. On-specification used oil is defined as used oil that meets the specifications of 40 CFR 279 – Standards for the Management of Used Oil.

The 1.5 MMBtu per hour asphalt cement heater is not exempt from permitting by Rule 62-210.300(3)(b)1, F.A.C., based on the potential emissions being more than 5 tons per year, burning 1% sulfur content fuel oil. However, it is not subject to any unit-specific applicable requirements.

Pollution Control Equipment. Particulate emissions from the plant are controlled by a baghouse, manufactured by Astec Industries. The fines from the baghouse are recycled into the asphalt mix.

Environmental Impact.

Airborne Contaminant Emitted	FAC Rule	Estimated Emissions		Allowable Emissions	
		lbs/hr	T/yr	lb/hr	T/yr
PM	62-204.800(8)(b)12	N/A	7.44	N/A	0.04 gpdscf
SO2	N/A	N/A	96.53	N/A	N/A
VOC	N/A	N/A	0.19	N/A	N/A
NOx	N/A	N/A	13.75	N/A	N/A
CO	N/A	N/A	32.50	N/A	N/A
Objectionable Odors	62-296.320(2)	N/A	N/A	None allowed off plant property	
VE	62-210.300(3)(c)2f	N/A	N/A	Not more than 20% opacity	

Applicable Rules & Regulations. This source is regulated in accordance with Rule 62-210.300(3)(c)2, F.A.C. (Conditional Exemptions from Title V Permitting). The facility is a synthetic minor source with annual throughput limited to 500,000 tons of asphalt concrete per year. The fuel oil consumption for the asphalt concrete plant and portable RAP crusher is limited to 1.2 million gallons in any consecutive 12-month period and the sulfur content of the fuel oil shall not exceed 1.0 percent, by weight.

Compliance Monitoring. Annual visible emissions and particulate matter testing.

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

Fee Summary. This is an AO2A ($1,500.00 fee) minor source with a stack test.

Permit Notes. Permit 7770034-011-AO is an early renewal for permit 7770034-010-AO, which was effective September 23, 2008 and expires September 23, 2013. Permit 7770034-009-AO incorporated permit 7770034-008-AC and renewed permit 7770034-007-AO.

MI/c