



ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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March 23, 2000

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MEMORANDUM

TO: Phil Davis

FROM: Wayne Rogers

SUBJECT: Unannounced Routine Inspection of Warrior Roofing Manufacturing, Inc.
(413-0023)

On February 29, 2000, George Cox and I conducted an unannounced routine inspection of the above facility located in Tuscaloosa, Alabama. The main purpose of this visit was to conduct an inspection in response to an ongoing odor complaint. (Warrior Asphalt (413-0005), located adjacent to this facility, was also inspected the same day for this purpose.) Mr. Barry Sommers, Plant Manager, accompanied us throughout the inspection. Following was the status of the permitted sources:

Z001 Asphalt Saturator Line with High Efficiency Filter

This line was operating with no problems noted during the inspection. Only slight fugitive emissions were observed around the line. At the time of the inspection, visible emissions of approximately 5-10% opacity were observed from the exhaust of the HEAF unit associated with this line. The inlet temperature to this control device was 170 degrees F.

X002 Asphalt Felt Saturator Line with Fiber Bed Mist Eliminator

This unit was operating at the time of the inspection with no problems noted. The fiber bed mist elimination system was operating with an inlet temperature of 136 degrees F and a pressure drop of 7.2 inches water. There were no visible emissions observed from the exhaust of the filter system. Filters were last changed around the end of November 1999.



**X003 25,000 Gallon Heated Asphalt Storage Tank with Fiber Bed Mist
Eliminator common to X002**

The capture of emissions from the tank was good, with no emissions observed. The emissions from the tank are routed to the Fiber Bed Mist Eliminator common to Air Permit 413-0023-X002. As stated previously under X002, there were no visible emissions observed from the exhaust of the Fiber Bed Mist Eliminator.

Results of this inspection showed that Warrior Roofing was operating as permitted, but I informed Mr. Sommers that there have been asphalt odor complaints. On the day of the inspection, petri dishes were collected from a complainant's address (concerning asphalt odors) north of the river and the facility. The petri dishes had been left there at the complainant's request. George Cox and I momentarily noticed a slight odor that was similar to asphalt at the complainant's house. Immediately after collecting the samples, we drove around the area on both sides of the river between the facility and the bridge (McFarland Road) but did not notice odors. A call was made to the complainant following the inspection, explaining that nothing out of the ordinary had been observed during the inspection. I received the microscopy results of the petri dishes on March 21, 2000, which showed no evidence of asphalt particles. I called the complainant to discuss the results, that are attached, and he returned my call on March 22, 2000.

DWR:dwr

Attachment