

A60 070817 501

8.4 REGULATORY INSPECTION SUMMARY (Air/Solid Waste *compliance records*)

Date: 8/17/2007

To (Plant Manager): Michael T. Beckham

From: Cynthia W. McCowan

Regulatory Inspection Summary

1. Facility Inspected
Kingston Fossil Plant
2. Date of Inspection and duration
8/17/2007, 0930-1300, 3.5 hours
3. Purpose of Inspection (routine compliance, NOV follow-up, permit renewal)
Survey, sample, and evaluate scrap metal dumpsters that failed to pass the radiation monitor at Phillips Services Metals in February and June 2007.
4. Media covered during inspection
Air and Solid Waste
5. Name of Inspector and/or Agency
John Sullivan – TN Department of Environment & Conservation - Div. of Radiological Health
6. Facility personnel participating or contacted during inspection
Cynthia McCowan (PA(E)), Jim Colagross and John Young (Radiation Services-Muscle Shoals, AL), Jerry Mounts (Maintenance Supervisor), Jerry Brackett (General Technician)
7. Observations and/or problems identified by Inspector
Both TVA-Muscle Shoals and the State of TN surveyed and sampled the dumpster located south of the north stack containing demolished sluice line piping. There is only one hot piece in this dumpster (15 uR/hr). They also surveyed piping from the sluice line trench and found elevated readings (18-20 uR/hr) on the line marked U7&8. Regarding the dumpster located at the north end of the Switch yard, we located from whence it came: U7 Precipitator (fly ash) line replacement. The concentration of Ra-226 (88 pci/gm) found in the scrap metal piping from this dumpster coincides with the dose rate levels found on the sluice trench line marked U7&8. Suffice it to say, no one is sure why the ash is so much hotter than normal (5 pci/gm on average).
8. Samples Collected
Fly ash samples from Units 1, 4, 7, and 9 were taken and split between TVA and State of TN. Bottom ash samples from Unit 8 were collected and split between TVA-Muscle Shoals and State of TN. Gamma spectroscopy analyses will be conducted by the State's and Muscle Shoals' labs.
9. Records Reviewed
None
10. Deficiencies
None

Submitted by: Cynthia W. McCowan

Cc: Betty F. Dyer, Andy Polahar

NOTE: This summary is to be provided to the facility manager and faxed or emailed to ENV AFF (751-7011) by the close of business on the day following the inspection. (See Section 6.2.6).