



MISSISSIPPI STATE DEPARTMENT OF HEALTH

March 31, 2010

LaShinda Washington, RSO
Jackson State University
School of Science and Technology
1400 Lynch Street
Jackson, Mississippi 39217

Dear Ms. Washington:

This letter serves as "Official Notice of Inspection Findings" concerning an inspection of the activities authorized under Radioactive Material License No. MS-867-01 and Registration No. X-148. The inspection was conducted on March 11, 2010, by Brandy Fraiser.

During this inspection, five (5) items of noncompliance were identified that require immediate attention. These items were discussed with you at the close of the inspection.

1. Section 400.42(1)(c) of the Mississippi State Board of Health Regulations for Control of Radiation states, in part, that the licensee shall retain the records required by 400.42(1)(a) until the Agency terminates each pertinent license requiring the record.

Contrary to the above, records of receipt of licensed materials were not maintained. This item is classified as a **violation**.

2. Section 400.47 of the Mississippi State Board of Health Regulations for Control of Radiation states, in part, that each licensee shall maintain records of doses received by all individuals for whom monitoring was required pursuant to Section 400.18 of these regulations.

Contrary to the above, dose records for occupational exposure were not maintained. This item is classified as a **violation**.

3. Condition No. 15. of Radioactive Material License No. MS-867-01 states, in part, that the licensee shall conduct a physical inventory every six (6) months to account for all foils and sealed sources received and possessed under the license.

Contrary to the above, physical inventories of the foils and sealed sources have not been conducted at the required six (6) month intervals. This item is classified as a **violation**.

4. Condition No. 13. of Radioactive Material License No. MS-867-01 states, in part, that the licensee shall test each sealed source for leakage or contamination at intervals not to exceed six (6) months or at alternative intervals approved by the Agency.

Contrary to the above, tests for leakage or contamination of the sealed source contained in the Shimadzu GC-17A gas chromatograph, Serial No. 221-1815093, were not performed at the required intervals. This item is classified as a **violation**.

5. Section 400.17(2) of the Mississippi State Board of Health Regulations for Control of Radiation states, in part, that a licensee shall ensure that instruments and equipment used for quantitative radiation measurements are calibrated at intervals not to exceed twelve (12) months.

Contrary to the above, the Ludlum Model 14-C survey meter, Serial No. 155441, and Ludlum Model 3 survey meters, Serial Nos. 155862 and 153499, have not been calibrated at the required twelve (12) month intervals. This item is classified as a **violation**.

In addition to the above, the following comment is made:

1. A copy of the survey meter calibration certificate must be submitted with your response.
2. Current leak test results for the Shimadzu GC-17A gas chromatograph, Serial No. 221-1815093, must be submitted with your response.

Due to the number of health and safety violations, a reinspection will be conducted.

Please respond to the above cited items within ten (10) days of your receipt of this Notice. In your response, state the corrective actions that have been taken and the date when full compliance is achieved. Should you disagree that violations occurred, describe the circumstance(s) and produce records substantiating such claim.

Section 1000.02(4) of the Mississippi State Board of Health Regulations for Control of Radiation requires this letter and your response to be posted for a period of five (5) working days or until corrective action is completed, whichever is later.

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Should you have any questions or comments concerning this "Notice" or inspection, please contact Brandy Fraiser or Jayson Moak at (601) 987-6893.

Sincerely,

A handwritten signature in black ink that reads "B. J. Smith". The signature is written in a cursive style with a large, stylized "B" and "S".

B. J. Smith, Director
Division of Radiological Health