



UNITED STATES
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

August 3, 1994

Mr. Robert W. Goff
Health Physicist Administrative
Radioactive Materials Branch
Division of Radiological Health
Mississippi State Department of Health
3150 Lawson Street
Jackson, MS 39215-1700

Dear Bob:

We are responding to your letter of June 24, 1994, regarding the status of two events that occurred in your State that have been proposed for consideration as abnormal occurrences (AOs).

We appreciate your June 3, 1994 prompt response to our request for additional information regarding an incident that occurred at Forrest General Hospital, Hattiesburg, Mississippi, on June 10, 1993. The additional information provided enough data to conclude that the event that had been proposed for consideration as an abnormal occurrence, did not meet the AO criteria. Therefore, it has been dropped for consideration as an abnormal occurrence.

The following information is provided in response to your inquiry as to the AO criteria basis for the recent request for additional information on an event that occurred at North Mississippi Medical Center on March 17, 1993, that has been proposed for possible inclusion in the second quarter AO report for CY 1994. The event report states that a patient, who was approximately six weeks pregnant, indicated to the physician that she was not pregnant. The patient, scheduled for a diagnostic study, was administered 20 millicuries of Tc-99m. At the time of the event, the medical physicist calculated doses to the fetus with a range of 3 to 6.4 rads. In a later May 1993 conceptus dose calculation, the medical physicist estimated that the average range would yield a dose of 3.5 rad. The best estimate is that the dose is less than 6.4 rad and could have been much lower (less than 3.0 rad).

Current regulations only address occupational exposure to the embryo/fetus of a declared pregnant worker that exceed 0.5 rem. This event was proposed for consideration as an AO due to the sensitive nature of an unintended exposure to an embryo/fetus. After review of the event description provided by your office, we have concluded that this event does not meet the current AO criteria.

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PDR STPRG ESGMS
PDR

SP01

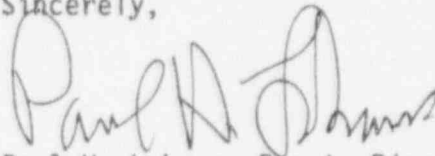
Robert W. Goff

- 2 -

AUG 3 - 1994

Please contact me at (301) 504-2326 or Patricia Larkins at (301) 504-2309, any time you have questions regarding the status of events that have been proposed for inclusion in the AO report.

Sincerely,

A handwritten signature in cursive script, appearing to read "Paul H. Lohaus".

Paul H. Lohaus, Deputy Director
Office of State Programs

Robert W. Goff

- 2 -

AUG 3 - 1994

Please contact me at (301) 504-2326 or Patricia Larkins at (301) 504-2309, any time you have questions regarding the status of events that have been proposed for inclusion in the AO report.

Sincerely,

PS

Paul H. Lohaus, Deputy Director
Office of State Programs

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DCD (SP01) PDR YES NO

*See previous concurrence

OFC	SP:SA	AEOD:DSP	AEOD:DIR	SP:DD				
NME	PMLarkins:dr*	GMHolahan	ELJordan	PHLohaus				
DTE	07/20/94	07/29/94*	08/01/94*	08/3/94				

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Robert W. Goff

- 2 -

Please contact me at (301) 504-2326 or Patricia Larkins at (301) 504-2309, any time you have questions regarding the status of events that have been proposed for inclusion in the abnormal occurrence report.

Sincerely,

Paul H. Lohaus, Deputy Director
Office of State Programs

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PHLohaus
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PDR YES _____ NO _____

R Prato, AEOD

*See previous concurrence

OFC	SP:SA	AEOD:DSP	AEOD:DIR	SP:DD				
NME	PMLarkins*	GMHolahan	ELJordan	PHLohaus				
DTE	07/20/94	07/25/94	08/1/94	07/ /94				

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Robert W. Goff

- 2 -

Please feel free to contact us or the Director, Office for Analysis and Evaluation of Operation Data, any time you have questions regarding the status of events that have been proposed for inclusion in the abnormal occurrence report.

Sincerely,

Paul H.Lohaus, Deputy Director
Office of State Programs

cc: EJordan, AEOD

Distribution:

SA RF PHLohaus
Dir RF PLarkins
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RDoda, RSAO, RIV 94 'Events File

PDR YES ___ NO X

OFC	SP:SA	SP:DD	AEOD	AEOD				
NME	<i>PMLarkins</i>	PHLohaus	GHolahan	<i>E.Jordan</i>				
DTE	07/20/94	07/ /94	07/ /94					

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