

Return to L Tyson
396-55

JUN 18 1981

Distribution:
Docket File 70-1113
NMSS r/f
FCUF r/f
FCUP r/f
BMKosla
LTyson
RGPage
EYShum
RLStevenson

MEMORANDUM FOR: W. T. Crow, Section Leader
Uranium Process Licensing Section
Uranium Fuel Licensing Branch
Division of Fuel Cycle and
Material Safety

FROM: B. M. Kosla
Uranium Process Licensing Section
Uranium Fuel Licensing Branch
Division of Fuel Cycle and
Material Safety

SUBJECT: TRIP REPORT



Purpose

To visit the fuel fabrication plant of General Electric Company (GE) at Wilmington, North Carolina, and to observe an inspection of the plant by Messrs. John B. Kahle (the principal inspector of the GE plant) and Lee Franklin of Region II, Office of Inspection and Enforcement.

Place and Date

GE plant at Wilmington, North Carolina, June 8 - 12, 1981.

Summary

(The results of the inspection will be reported from Region II in the normal fashion.) Because Mr. Franklin and I had not previously visited the facility, Mr. Kahle emphasized the plant tour in the inspection and all process areas were observed. Several open items from a previous inspection were the focus of Mr. Kahle's efforts. Mr. Franklin, a respiratory protection expert, conducted the respiratory aspects of the inspection. Other items given attention were radiation safety records for external exposure and computer programs which utilize the vast input of information, obtained from GE's testing procedures.

The formal closeout session was held at 11:00 am on Friday, in the Board Conference Room at the facility, and Mr. Kahle announced that the open items had been resolved.

My main personal observations are as follows:

OFFICE	1.	The cleanness of the facility in terms of radiation safety	
SURNAME		was impressive, and the recent addition of shielding around	
		the presses gave the impact of ALARA awareness.	
8107160142 810618			
PDR ADOCK 07001113			
N. C	PDR		

JUN 18 1981

- 2. Also favorable was the work being done on computers toward the establishment of a dynamic program rather than pursuing action after the fact. However, the reliance on averaging of air sampler concentrations in assigning exposure appears anomalous of what one expects from detailed computer programs.

Discussion

The inspection activities are outlined in the following chronology:

- Monday pm - Met with Mr. John Kahle and Mr. Lee Franklin to discuss the schedule for the week and receive an outline of the inspection strategy.
- Tuesday am - After being introduced to W. Hendrie and C. Vaughn, the NRC representatives toured the plant viewing the process from vaporization on through to bundled fuel packaging. Included was the GECO process which is being readied for production.
- Tuesday pm - The inspection centered on respiratory protection, focusing on respiratory devices and the frequency and methodology of maintenance. The second tour of the day was to observe cleaning and testing of full face masks.
- Wednesday am - Dr. G. E. Powers demonstrated some of the GE computer programs and explained how they are being used. GE is currently feeding data into the computer which goes back to the beginning of plant production.
- Wednesday pm - R. Lewis demonstrated respirator training given to employees in the plant Radiation Safety Office. This was followed by a tour of the waste storage area by truck with Inspector Franklin and R. Lewis to verify posting in outside storage areas.
- Thursday am - Reviewed printouts of external radiation records for the past 18 months, and questions about selected individual exposures were discussed with Scott Murray. Later in the afternoon I had an opportunity to talk about the new application format with R. Foleck who worked on the recently submitted application for renewal of GE's SNM license.

OFFICE ▶							
SURNAME ▶							
DATE ▶							

JUN 18 1981

Friday am - Visited the gadolinea fuel area and the laboratories.
At the closeout session the inspectors discussed
their finding with the operations managers.

original signed by
P. M. Kosla

B. M. Kosla
Uranium Process Licensing Section
Uranium Fuel Licensing Branch
Division of Fuel Cycle and
Material Safety

OFFICE ▶	FCUF	FCUP					
SURNAME ▶	LTyson	BMKosla:rd					
DATE ▶	6/18/81	6/18/81					