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November 19, 1982

U. S. Nuclear Regulatory Commission  
Region IV  
Suite 1000  
611 Ryan Plaza Drive  
Arlington, Texas 76012

Subject: Report of Calculated Overexposure

Dear Sirs:

In accordance with the requirements of 10 CFR Part 20.405, the following report of calculated overexposure to airborne uranium concentrate (yellowcake) is submitted. Calculated exposures for two employees working in the yellowcake packaging area of the Shootaring Canyon Uranium Processing Facility indicate that the 40 hour Maximum Permissible Concentration (MPC) established for airborne yellowcake by 10 CFR Part 20.103(a)(2) was exceeded during the week ending October 23, 1982. Three employees, including one individual who was overexposed in the preceding week, exceeded the 40-hour MPC during the week ending October 30, 1982. The attachments to this report provide the names and exposure information of the individuals pursuant to 10 CFR Part 20.405(b).

All of the involved individuals were involved in clean-up activities that were made necessary by the recent temporary shut-down of the Processing Facility. Therefore, the overexposures occurred during the clean-up project, and not during normal processing operations.

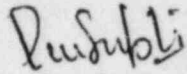
In order to reduce the future exposure to employees, two equipment modifications have been made to control airborne contaminants. The two yellowcake drum filters have been completely fitted with stainless steel covers to contain fugitive yellowcake mist. Secondly, the electrical controls in the packaging room have been moved outside the yellowcake barreling area. As a result of this change, the product area operator is not required to enter the packaging room during barreling thus reducing the employee's exposure to airborne contaminants.

Concerted efforts are being made to notify the affected individuals of their calculated exposures pursuant to 10 CFR Part 19.

U. S. Nuclear Regulatory Commission  
November 19, 1982  
Page Two .

If you have any questions in regard to this report, please contact the undersigned.

Sincerely,



U. K. Gupta  
Manager - Process Operations

UKG/ksd

cc: Director of Inspection and Enforcement, USNRC  
RLHeiks, Plateau  
BOFisher, Plateau  
PWTooker, Plateau  
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Enc.