

UNITED STATES  
**ATOMIC ENERGY COMMISSION**  
 DIRECTORATE OF REGULATORY OPERATIONS  
 REGION I  
 631 PARK AVENUE  
 KING OF PRUSSIA, PENNSYLVANIA 19406

November 29, 1973

Nuclear Metals, Inc.  
 Attention: Mr. W. B. Tuffin  
 President  
 2229 Main Street  
 Concord, Massachusetts 01781

Docket No. 70-82  
 License No. SNM-65

Reference: Your letter dated November 20, 1973  
 In response to our letter dated September 25, 1973

Gentlemen:

Thank you for informing us of the corrective and preventive actions you documented in response to our correspondence. These actions will be examined during our next inspection of your licensed program.

As indicated in your letter, action to prevent future violation of the criticality safety limit of fissile material not being stored closer than three feet from exclusion boundaries is not complete. This matter has been a continual problem to you for some time. We look forward to receiving in early December your positive control actions to prevent recurrence of future violations.

Your cooperation with us is appreciated.

Sincerely,

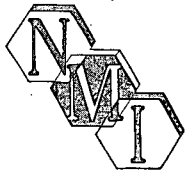
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Walter G. Martin, Chief  
 Materials and Plant  
 Protection Branch

bcc: RO Chief, FS&EB, HQ  
 RO:HQ (4)  
 RO Files  
 Central Mail & Files  
 L:D/D for Fuels & Matl  
 NSIC  
 PDR  
 State of Massachusetts

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OFFICE ▶	CRESS	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>		
SURNAME ▶	Kinney:pdh <i>[Signature]</i>	Martin	<i>[Signature]</i>	NEALSON		
DATE ▶	11-29-73	11/29/73	11/29	11/29/73		



## NUCLEAR METALS, INC.

2229 MAIN STREET  
CONCORD, MASSACHUSETTS 01742  
TELEPHONE: 617 369-5410

November 20, 1973

Mr. Robert T. Carlson, Chief  
Facility Operations Branch  
U.S. Atomic Energy Commission  
Directorate of Regulatory Operations  
Region 1  
631 Park Avenue  
King of Prussia, Pa. 19406

Dear Mr. Carlson:

This letter defines corrective actions taken by Nuclear Metals, Inc. to assure avoidance of future violations as discovered by your Mr. William Kinney during his visit of September 24, and 25, 1973.

### Violation 1: Criticality Monitoring Coverage

The chemistry laboratory in Building A is being cleaned of enriched uranium and by November 30 there will be no more enriched uranium in that laboratory. In future work programs we contemplate moving one of the five monitors into this area to provide monitoring coverage.

### Violation 2: Criticality Accident Drills

We regret our lack of performance of evacuation drills during the period November 1972 through September 1973. Subsequent to Mr. Kinney's visit, we had both fire emergency and criticality accident drills in the month of October. We have so marked our log for such drills to ensure that drills will occur at proper periods.

### Violation 3: Exclusion Area Boundaries

In addition to the more frequent inspections as defined in our previous letter of May 23, 1973 on this matter, we have now instructed all personnel working with enriched uranium as to the importance of maintaining the three feet boundary limit. In addition our Mr. R. F. Huber, Project Engineer, is now writing reminders to this effect into his detailed process description sheets to assure that operating personnel see this requirement as part of the technical tasks they are instructed to perform. We anticipate continued close attention to this matter and have been discussing further control procedures such as penalties to workers found in violation, and the erection of more obvious barricades

NUCLEAR METALS, INC.

November 20, 1973

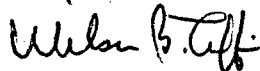
Mr. Robert T. Carlson, Chief

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than those currently used to define the limits of a given exclusion area.

We anticipate providing an additional letter to you during the month of December on any additional control items we intend to implement in order to assure that this problem does not reoccur.

Very truly yours,



W. B. Tuffin  
President