



DEPARTMENT OF THE AIR FORCE  
 1155 TECHNICAL OPERATIONS SQUADRON (AFTAC)  
 MCCLELLAN AIR FORCE BASE, CALIFORNIA 95652

21 OCT 1981

REPLY TO: MCLR (Capt DerBleyker, 643-5313)  
 ATTN OF: MCLR (Capt DerBleyker, 643-5313)  
 SUBJECT: NRC Inspection - License No. 04-09951-03

1981 OCT 23 PM 2:13  
 RECEIVED  
 MRC

TO: United States Regulatory Commission  
 Region V  
 Attn: Mr. Skov  
 Suite 202 Walnut Creek Plaza  
 1990 N. California Blvd  
 Walnut Creek, CA 94596

1. I am providing you a response to your 1 October 1981 letter, Subj: NRC Inspection. Listed below are corrective steps taken for the violations identified in your letter.

2. Violation A.

a. Form NRC-3 was posted beside the key locker in Building 626 on 14 September 1981. Before anyone can access the RTG storage area they must first get a key which is stored in this key locker.

b. A note was added to this Form NRC-3. The note states that copies of Title 10 CFR, our radiation safety operating instruction, and the NRC license 04-09951-03 are available for personnel to examine. The note also states the location of these documents and who to contact if personnel wish to review these documents.

3. Violation B. As covered in the paragraph above, Form NRC-3 was posted in building 626 on 14 September 1981.

4. Violation C1.

a. A directive has been sent to Detachment 460, the people responsible for the RTG at Burnt Mountain, with a schedule directing them when to send leak test results to us.

b. We are also compiling a checklist of NRC license conditions we must meet to insure that we can anticipate receipt of reports from Detachment 460 far enough in advance. This will allow us to initiate follow-up requests to Detachment 460 if we haven't received their reports when expected and to insure that we provide reports to the NRC in sufficient time to meet license conditions. This checklist will be completed 31 December 1981. ✓

5. Violation C2.

a. A radiation survey was done when the RTGs were initially placed in storage. During the NRC inspection, Mr. Skov noted that the leak test

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 IE LIC30  
 04-09951-03 PDR

results were stated in counts per minute (CPM) and the results should be stated in micro curies ( $\mu\text{Ci}$ ). This conversion, incorporating our counting machine efficiency, has been accomplished and leak test results are recorded in  $\mu\text{Ci}$ . Future leak test results will be recorded in  $\mu\text{Ci}$ .


b. Mr. Skov also mentioned that the survey should have included a sketch of the area of the RTG placement. This was accomplished.

c. Copies of the corrected survey of leak tests and a sketch of the RTG storage area are attached.

6. Violation D.

a. The directive mentioned in paragraph 4 also included a schedule when Detachment 460 must send us a status report on the condition of the RTG, to include if there is evidence of overheating and when the wooden top to the exclusion barrier is removed.

b. The checklist mentioned in paragraph 4 will also insure that we provide reports to the NRC in sufficient time to meet license conditions.

  
RICHARD L. MACKRILL, Colonel, USAF  
Commander

2 Atchs

1. Leak Test Results
2. Sketch of RTG Storage Area

Cy to: AFTAC/DO  
USAF Clinic/SGB  
AFMSC/SGPZ  
(w/2 Atchs and Cy of NRC 1 Oct 81 Ltr)

SWIPE RESULTS

<u>SWIPE #</u>	<u>TEST TYPE</u>	<u>HTG #</u>	<u>SWIPE RESULTS</u> CPM PER 100 cm <sup>2</sup> /R	<u>ALI</u>
1	Leak Test before down-load	11	2	$2 \times 10^{-6}$
2	"	13	2.5	$3 \times 10^{-6}$
3	"	12	0	$< 6 \times 10^{-7}$
4	"	32	8.5	$1 \times 10^{-5}$
5	"	100F	0	$< 6 \times 10^{-7}$
6	Surface Contamination before down-load	11	0	$< 6 \times 10^{-7}$
7	"	13	0	$< 6 \times 10^{-7}$
8	"	12	0.5	$6 \times 10^{-7}$
9	"	32	0	$< 6 \times 10^{-7}$
10	"	100F	0.5	$6 \times 10^{-7}$
11	Leak test after down-load	11	1	$1 \times 10^{-6}$
12	"	13	1	$1 \times 10^{-6}$
13	"	12	6	$6 \times 10^{-6}$
14	"	32	3	$4 \times 10^{-6}$
15	"	100F	2	$2 \times 10^{-6}$

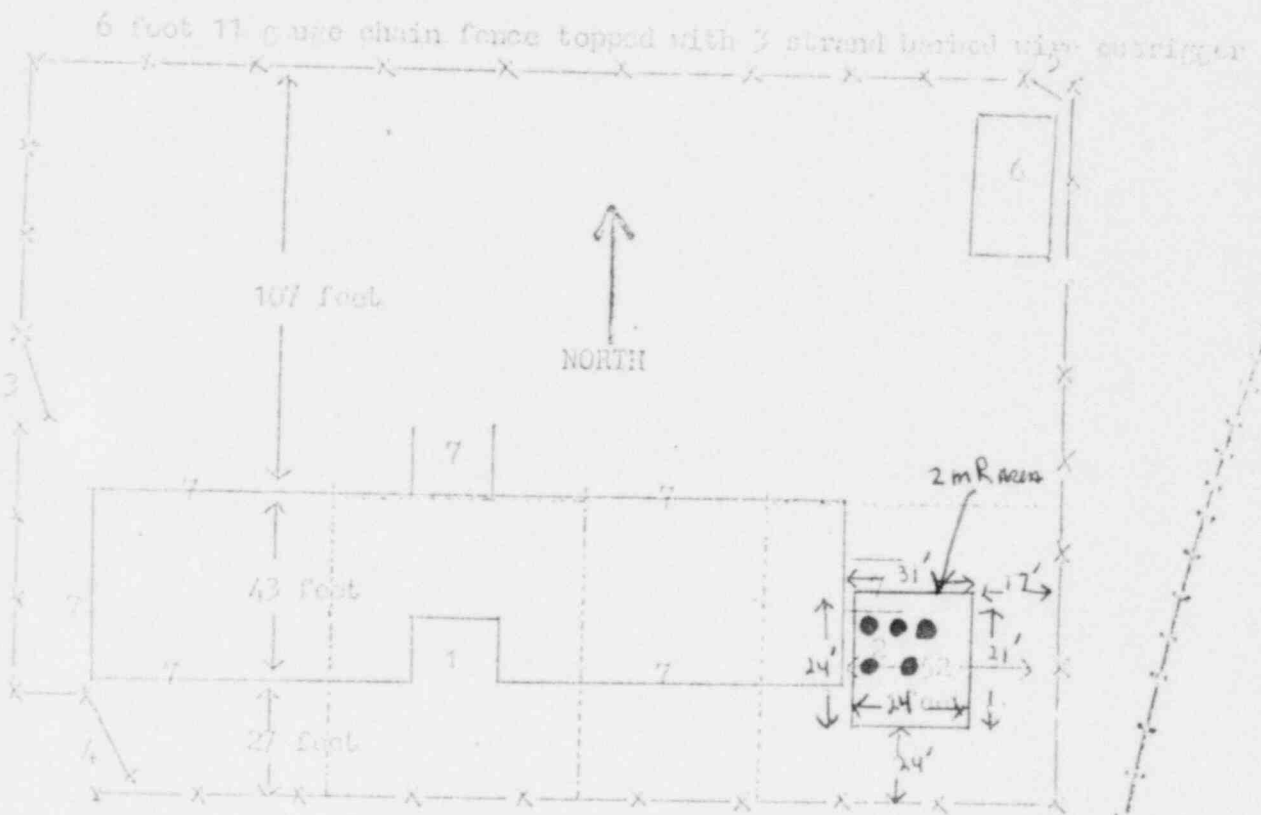
\* CPM must be  $< 333$  for surface contamination

CPM must be  $< 3,300$  for leak-test

Area 643B

RTG Storage Facility

47th Street



- 1- 18 x 14 ft cement slab, primary storage area
- 2- 18 x 14 ft blacktop, secondary storage area
- 3- Gate 653B, main vehicle and personnel entrance
- 4- Vehicle gate
- 5- Personnel gate
- 6- Existing building
- 7- Existing foundation