

**STAFF SUMMARY SHEET**

	TO	ACTION	SIGNATURE (Surname), GRADE AND DATE		TO	ACTION	SIGNATURE (Surname), GRADE AND DATE
1	343 MG/SG	INFO	<i>Backley, Col 24 Jul 92</i>	6	343 WG/PA	INFO	<i>Co. Turner, Capt, 6 Aug 92</i>
2	343 CES/DE	INFO	<i>J. C. Murray Lt Col 29 Jul 92</i>	7	343 WG/CCE	INFO	<i>L. Schragden Capt 6 Aug 92</i>
3	343 CES/DEV	INFO	<i>R. J. Stahl (W/O) 30 July 92</i>	8	343 WG/CV	INFO	<i>Steph. Z. Stahl Col 7 Aug 92</i>
4	343 SPTG/CC	INFO	<i>Engel Col 30 Aug 92</i>	9	343 WG/CC	INFO	<i>Flig 4/8</i>
5	343 WG/JA	INFO	<i>Tolan Capt 5 Aug 92</i>	10			

SURNAME OF ACTION OFFICER AND GRADE	SYMBOL	PHONE	TYPYST'S INITIALS	SUSPENSE DATE
Maj Gross	343 MG/SGPB	7-5225	rlg	

SUBJECT	DATE
Results of Radon Assessment and Mitigation Program (RAMP)	24 Jul 92

**SUMMARY**

1. The results of the year-long RAMP detailed assessment survey are attached. The survey was done from Oct 90 through Dec 91 in all base housing units, transient living facilities, clinic, and child care center. None of the 1247 radon samples exceeded the 4 picoCurie per liter (pCi/l) limit. The highest level was 2.4 pCi/l in a single basement. The child care center had shown 8 pCi/l during the initial three month screening test in Dec 87. Civil Engineering repaired the building and the detailed survey showed no levels exceeding 0.7 pCi/l. Based on these results, no radon mitigation is required.

2. I will coordinate with Public Affairs to put a notice in the Goldpanner.

*Randy L. Gross*  
 RANDY L. GROSS, Maj, USAF, BSC  
 Chief, Bioenvironmental Engineering Services

1 Atch  
 RAMP Survey Results

*5076 8/13 / WG Read 6 Aug 92 / WG sent 13 Aug 92*



DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS PACIFIC AIR FORCES  
HICKAM AIR FORCE BASE, HAWAII 96853-5001

REPLY TO  
ATTN OF: SGPB

8 JUL 1992

SUBJECT: Radon Assessment and Mitigation Program (RAMP) Detailed Assessment Survey  
One-Year Measurement Results for Eielson AFB, AK

TO: 343 MG/SGPB

1. Attached are the results of the one-year radon detailed assessment survey conducted at Eielson AFB. Results show Eielson AFB had no detectors above the 4 pCi/l level. Quality assurance data attached to the Armstrong Laboratory (AL) letter determined a reading of 3.5 pCi/l was the lower 95 percent confidence level for a target exposure of 4 pCi/l for this batch of detectors. This requires mitigation of all units above 3.5 pCi/l. Eielson AFB's highest reading was 2.4 pCi/l which means no radon mitigation is required on your installation.

2. These data have been coordinated through the offices of the Command Surgeon and Civil Engineering here at HQ PACAF and will be briefed at the next PACAF Environmental Protection Committee meeting. Please insure you coordinate these data with the appropriate 343rd wing agencies since this is the only set of results you will receive. Please let me know if you have any questions.

A handwritten signature in cursive script, appearing to read "Marlin L. Sweigart".

MARLIN L. SWEIGART, Col, USAF, BSC  
Chief, Bioenvironmental Engineering Division  
Office of the Command Surgeon

1 Atch  
AL/OEBSC Ltr, 16 Jun 92

cc: 343 SPTG/DE  
HQ PACAF/DEV

DEPARTMENT OF THE AIR FORCE  
ARMSTRONG LABORATORY (AFSC)  
BROOKS AIR FORCE BASE, TEXAS 78235-5000


16 JUN 1992

FROM: OEBSA

SUBJ: Radon Assessment and Mitigation Program (RAMP) Detailed Assessment Survey  
1-Year Measurement Results for Eielson AFB AK

TO: HQ AMC/SGPB

1. Results of radon sampling by concentration and structure code for the 1-year RAMP Detailed Assessment Survey of Eielson AFB AK are provided as Attachment 1. A discussion of Quality Assurance (QA) results prepared by Midwest Research Institute (MRI) is provided as Attachment 2. A statistical summary is provided at Attachment 3.
2. Structures identified as having a radon concentration greater than or equal to 4 pCi/l and less than 20 pCi/l should be mitigated within 1 to 5 years. As discussed in Attachment 2, the 95% lower confidence level for detectors deployed at Eielson AFB is 3.49 pCi/l. Accordingly, structures having measured radon concentrations greater than or equal to 3.5 pCi/l should be considered as equivalent to 4 pCi/l for mitigation purposes.
3. Armstrong Laboratory Radioanalytical Function (AL/OEBSA) will support all written requests for post-mitigation charcoal canisters. The Bioenvironmental Engineer should first request charcoal canisters to provide a rapid check that mitigation action has reduced radon levels to below 4 pCi/l. Follow-on 1-year alpha track detectors should then be requested from AL/OEBSA to confirm successful structure mitigation.
4. If you have any questions, contact Maj Jordan at DSN 240-3486.

  
EDWARD F. MAHER, Colonel, USAF, BSC  
Chief, Bioenvironmental Engineering  
Division

3 Atch

1. Results by Concentration and Structure Code
2. MRI QA Report
3. Statistical Summary

cc: HQ USAF/SGPA wo Atch 1 & 2  
343 Medical Group/SGPB  
wo Atch 1 & 2