



DEPARTMENT OF THE NAVY
NAVAL SEA SYSTEMS COMMAND DETACHMENT
RADIOLOGICAL AFFAIRS SUPPORT OFFICE (RASO)
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M60050_005414
MCAS EL TORO
SSIC NO. 5090.3.A

5104/60050
Ser 02H/00-802/633
7 December 2000

From: Officer in Charge, Naval Sea Systems Command Detachment,
Radiological Affairs Support Office (RASO)
To: Commander, Naval Facilities Engineering Command Southwest
Division, (ATTN: Ms. Content Arnold)
Subj: COMMENTS ON THE DRAFT RADIOLOGICAL RELEASE REPORT
HANGAR 296 & HANGAR 297 FOR MARINE CORPS AIR STATION
(MCAS) EL TORO
Ref: (a) Roy F. Weston, Inc. Mare Island Office, Vallejo,
Draft Radiological Release Report Hangar 296 &
Hangar 297, Marine Corps Air Station,
El Toro Revision 2 of Nov 00
Encl: (1) Comments on the Draft Radiological Release Report
Hangers 296 and 297 at MCAS El Toro

1. Reference (a) has been reviewed for compliance with the requirements specified in the Radiological Survey Plan for Hangars 296 and 297. NAVSEADET RASO comments are contained in enclosure (1).
2. NAVSEADET RASO cannot, at this time, concur with the release of Hangars 296 and 297. This decision is based on inconsistencies between revision 1 and revision 2 as documented in enclosure (1).
3. Request you review enclosure (1) and forward it to Roy F. Weston, Incorporated. Submit revision 3 of the report after Weston has addressed all comments.
4. NAVSEADET RASO point of contact is Pat Haworth at DSN 953-4692, commercial (757) 887-4692 or commercial fax (757) 887-3235.


S. W. DOREMUS

**COMMENTS ON THE DRAFT
RADIOLOGICAL RELEASE REPORT
HANGARS 296 AND 297 AT MCAS EL TORO**

General Comments:

1. NAVSEADDET RASO is unable to reproduce any of the conversions from cpm to dpm. Document how you determined the dpm values.

Specific Comments:

1. Page 7, Section 1.3.1.4, first and second sentences. Reword to read "The remainder of Hangar 296 is comprised of two aircraft hangars separated on both sides by offices, storage and work spaces. 1940 era drawings of Hangar 296 do not identify any other specific radiological uses."

2. Page 7, Section 1.3.2, third line. Change "worked in" to "used during."

3. Page 7, Section 1.3.2, ninth line. Change "in use" to "used."

4. Page 7, Section 1.3.2, tenth line. Remove "after building closure."

5. Page 8, Section 2.3. Close parenthesis after "MARSSIM."

6. Page 9, Section 3.1.1, first line. Change "was" to "were."

7. Page 12, Section 3.2.3.5, last line. Remove "be" after "also."

8. Page 14, Section 3.4.3, last paragraph, third line. Remove "shown."

9. Page 18, Table 3.7. The beta investigation level for the ZnS(Ag) detectors should be 318 cpm for floors and 220 for walls.

10. Page 18, Table 3.7. Explain why you're reporting alpha data on the room survey sheets in dpm/100 cm², but the investigation level in Table 3.7 is in cpm.

11. Page 20, Section 5.1.1, second line. Change "finish" to "refinish."
12. Page 20, Section 5.1.1, Third line. Correct the spelling of "appears."
13. Page 21, Section 5.1.1.9, last line. Move "were" between "levels" and "no."
14. Page 26, Section 5.4. Correct spacing between section 5.3.2.1 and 5.4.
15. Page 35, Section 5.10.1, First paragraph, Last line. This statement contradicts the statement in section 5.10.1.4. Resolve this contradiction.
16. Page 36, Section 5.10.1.8, second line. Remove "area."
17. Page 38, Section 5.12. Correct spacing between sections 5.11.2.1 and 5.12.
18. Page 39, Sections 5.12.1.5 and 5.12.1.6. Add a space between the sections.
19. Page 40, Section 5.13. Correct spacing between sections 5.12.2.1 and 5.13.
20. Page 40, Section 5.13.1.3, first line. Change "were" to "was."
21. Page 44, Section 5.15.2.1, second line. Change "that" to "than."
22. Figure 12, Grid C1. You list two different swipe results. Verify if two swipes were conducted in this grid.
23. Figure 23B, Page 1. Furnish mean background and investigation level for the beta swipe results.
24. Figure 23B, Page 2. NAVSEADET RASO calculations for beta cpm investigation level is 318 not 344. Document how you determined 344.
25. Figure 23B, Page 2. Explain why the beta dpm values have changed from revision 1, and document how you determined the revision 2 values.

26. Figure 23D. Move the gamma and Micro-R readings for the "297 Floor" down a line, and the correct spelling for "micro-R Reading."
27. Appendix B2. NAVSEADET RASO calculation for the beta cpm investigation level is 318. Document how you determined that 344 should be the beta cpm investigation level.
28. Appendix B2. Explain why the beta dpm values have changed from revision 1, and show how you determined the revision 2 values.
29. Appendix B2. The average background for the alpha should be the same for cpm and dpm. NAVSEADET RASO calculation shows both should be 0.4 and the standard deviation 0.5.
30. Appendix B2. Add the beta investigation level at the end of the data.
31. Appendix B3. Explain why the beta dpm values have changed from revision 1, and document how you determined the revision 2 values.
32. Appendix B3. NAVSEADET RASO calculation for the beta cpm investigation level is 220. Explain how you determined the value as 246.
33. Appendix B3. The average background for the alpha should be the same for cpm and dpm. NAVSEADET RASO calculation shows both should be 0.3 and the standard deviation 0.57.
34. Appendix B3. Add the beta investigation level at the end of the data.
35. Appendix B3. Add the beta investigation level at the end of the data.
36. Appendix B4. The comments made regarding the background data changes some of the values listed in this Appendix.