

R. S. Boyd, Chief, Research and Power  
Reactor Safety Branch, DRL

October 16, 1964

J. F. Newell, Chief, Site-Environmental  
Branch, DRL

ADDITIONAL CALCULATIONS OF MCA FOR BODEGA, DOCKET NO. 50-205

This will serve to amend my previous memorandum of October 5, 1964, on this subject. Since that date, it has been determined that there was an error in the calculations made for the thyroid doses in Case 3. The maximum two-hour dose off-site should be 36 rem, while that at the site boundary should be 24 rem. Also, the maximum doses for the entire accident at these locations should be 1100 rem and 720 rem, respectively.

Subsequent calculations have also been made for the doses in Case 1 to reflect more realistic assumptions regarding the length of the accident, and to determine the dose at the edge of the San Francisco peninsula. In addition, the dose at San Francisco for Case 2 has also been calculated. These results are presented below.

Case 1 Doses for the Entire Accident

<u>Location</u>	<u>Whole Body</u>	<u>Thyroid</u>
Site Boundary	34	7250
1.5 Miles	10	2100
3.0	3	600
5	1.3	280

Doses at San Francisco

Case 1	0.06	14
Case 2	0.5	130

cc: D. Kuth, R&PRSB, DRL

8709220129 851217  
PDR FOIA  
FIREST085-665 PDR

OFFICE ▶	SEB:DRL <i>RSW</i>	SEB <i>RW for</i>			
SURNAME ▶	Waterfield:bwc	J.Newell			
DATE ▶	10/16/64	10/16/64			

## MEMO ROUTE SLIP

Form AEC-93 (Rev. May 14, 1947)

See me about this.

For concu

For action.

Note and return.

For signature.

For information.

TO (Name and unit)	INITIALS	REMARKS
J. Newell		Attached is the revised draft of Newmark's report on Seismic Effects on Bodega Bay Reactor. This report was revised in accordance with my letter of September 11 to Dr. Newmark and discussions with his and Williamson in Bethesda on September 17. I propose to send this draft report to the ACDC for consideration at its meeting on October 7 on the Bodega project. This report will also serve as the basis for Dr. Newmark's testimony at the public hearing on this reactor. I would appreciate any comments or suggestions you may have prior to October 15 on this draft report when considered in that light.
D. Knuth	DATE	
TO (Name and unit)	INITIALS	REMARKS
R. Boyd		This report will also serve as the basis for Dr. Newmark's testimony at the public hearing on this reactor. I would appreciate any comments or suggestions you may have prior to October 15 on this draft report when considered in that light.
H. Bryan	DATE	
TO (Name and unit)	INITIALS	REMARKS
J. Hadlock OGC		This report will also serve as the basis for Dr. Newmark's testimony at the public hearing on this reactor. I would appreciate any comments or suggestions you may have prior to October 15 on this draft report when considered in that light.
	DATE	
FROM (Name and unit)	REMARKS	
E. G. Case RL	This report will also serve as the basis for Dr. Newmark's testimony at the public hearing on this reactor. I would appreciate any comments or suggestions you may have prior to October 15 on this draft report when considered in that light.	
PHONE NO. 341	DATE 9/22	

USE OTHER SIDE FOR ADDITIONAL REMARKS

U. S. GOVERNMENT PRINTING OFFICE: 1957-O-422007