



State of California—Health and Human Services Agency
Department of Health Services



ARNOLD SCHWARZENEGGER
Governor

August 24, 2004

DOC # 171

Mr. Jay B. Tomlin
Department of Energy, Oakland Office
1301 Clay Street, Suite N-700
Oakland, CA 94612-5208

Dear Mr. Tomlin:

Subject: Draft Final Status Survey Report Southern Portion of Building H-292

The Department of Health Services/Radiologic Health Branch (Department) has received and reviewed the document titled Draft Final Status Survey Report Southern Portion of Building H-292, dated July 24, 2004 as well as the emailed addendum to LEHR Draft H-292 Final Status Survey Report dated August 18, 2004. With the corrections provided in the addendum the Department concurs with the conclusion that the residual radioactivity levels in the survey units of the southern portion of Building H-292 meet the release criterion specified in DOE Order 5400.5 as modified in Table 2 of the report. The Department has the following editorial comments.

1. Tables 5 and 6 of the report should include the specific instrument (make, model and serial number) used to collect gross alpha and beta activity data, for the background reference area, presented in these tables.
2. The critical value equation provided on page 6-21 of the report is incorrect; the initial variable "n" at the start of the equation should be the variable "m".
3. The statement on page 6-21 of the report that "a value of 32 is obtained for N" is incorrect; the correct statement should be that a value of 32 is obtained for N/2.
4. The equation (Equation 1) provided on page 8-1 of the report is incorrect; the numerator value should be a subtractive ($RS+B - RB$) not an additive quantity.
5. The equation (Equation 2) provided on page 8-3 of the report should be simplified such that CB is defined as the background count in time TB, and the TB term should then be removed from the numerator.
6. On page 8-6 of the report the definition of MDCR in Equation 5 should refer to Section 8.3 not 8.2.

Mr. Jay B. Tomlin
August 24, 2004
Page 2

7. Tables 16 through 29 of the report should specifically list the particular survey instrument (make, model and serial number) used to generate the data provided.