

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



December 16, 2004

DOC # 173

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 Cobalt-60 Field

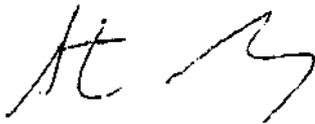
The Department of Health Services/Radiologic Health Branch (Department) has received and reviewed the document titled Draft Final Status Survey Report Cobalt-60 Field, dated November 18, 2004. The Department concurs with the conclusion that the residual radioactivity levels in the survey units of the Cobalt-60 Field 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. Sections 6.5.1, and 6.6.4 of the report should specify how the three different background media and their related reference areas will be compared to a single multi-media survey unit.
2. Table 27 of the report needs to be expanded such that the static MDC for each media (soil, asphalt, and concrete), as it relates to the appropriate background value found for that media, is provided for in the table.
3. The Static MDC and Scan MDC, for the Ludlum 2360 instrument used to collect beta measurements in asphalt, gravel, and soil, provided in Beta Measurement portion of Table 27, do not appear to be correct for the backgrounds provided (688 and 1064 CPM).
4. Section 10.1 of the report states "No elevated areas of activity distinguishable above background levels were detected during the scan surveys..." This statement needs to be modified to reflect that the scan survey instrument's MDC was significantly higher than the alpha background found in survey unit 1 concrete. Thus the statement should read "No elevated areas of activity distinguishable above the survey instrument MDC were detected during the scan surveys..."

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If you have any questions please contact me at the number below.

Sincerely,

A handwritten signature in black ink, appearing to read "SP", is written above the typed name.

Stephen Pay
Health Physicist
Radiologic Health Branch