

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



California  
Department of  
Health Services

SANDRA SHEWRY  
Director



ARNOLD SCHWARZENEGGER  
Governor

September 26, 2005

Mr. Phil Rutherford  
The Boeing Company  
5800 Woolsey Canyon road, T038  
Canoga Park, CA 91304-1148

Subject: Response to 2005RC001000, "Request to Perform Additional Confirmatory Surveys of the Upper Portion of Building 4024 (Phase 1), Santa Susana Field Laboratory (SSFL)."

Dear Mr. Rutherford:

In response to your letter dated April 20, 2005, the Department has reviewed your submittal referenced in the above subject document. The Department also conducted a confirmatory survey of the Building 4024 areas, including High Bay, High Bay Vault, High Bay Mezzanine HEPA Filter Room, Electro-Mechanical Room and associated plant equipment.

The Boeing supplied data included smear samples, direct and scanning survey results of the areas mentioned above. Boeing's survey results showed: No detectable beta or gamma activity from the direct scans, less than 20 dpm/100cm<sup>2</sup> of removable alpha activity and less than 100 dpm/100cm<sup>2</sup> of removable beta/gamma activity.

In addition to the survey of the building areas mentioned previously the Department was requested to perform a confirmatory survey of a leaded glass window removed from the lower vault area. Boeing's survey data of the leaded window showed: No detectable beta or gamma activity from the direct scans, less than 20 dpm/100cm<sup>2</sup> of removable alpha activity and less than 100 dpm/100cm<sup>2</sup> of removable beta/gamma activity.

The Department's survey confirms the survey results reported by Boeing. The Department's surveys indicate that the High Bay, High Bay Vault, High Bay Mezzanine, HEPA Filter Room, Electro-Mechanical Room and associated plant equipment of Building 4024 plus the leaded glass window are at background radiation levels. Therefore, the Department concurs with Boeing's conclusions that the above mentioned areas and the leaded glass window pose no significant radiologic health risk.

If you have questions, please contact Mr. Steve Hsu at (916) 440-7940.

Sincerely,

Edgar D. Bailey, CHP, Chief  
Radiologic Health Branch