The Boeing Company
Santa Susana Field Laboratory
5800 Woolsey Canyon Road
Canoga Park, CA 91304-1148

Via FedEx

March 14, 2014
In reply refer to SHEA-114547

Mr. John Jones
Federal Project Director
U.S. Department of Energy
4100 Guardian Street, Suite 160
Simi Valley, CA 93063

Dear Mr. Jones

Subject: NESHAPs Report for 2013

The U.S. Environment Protection Agency (EPA) regulates airborne releases of radioactivity from the Department of Energy's (DOE) facilities under 40 CFR 61, Subpart H. This regulation requires that the National Emission Standards for Hazardous Air Pollutants (NESHAPs) Report for the DOE's operations in Area IV of the Santa Susana Field Laboratory (SSFL) be submitted to EPA on an annual basis.

The only potential emission source at the DOE facility at SSFL is the exhaust stack at the Radioactive Materials Handling Facility (RMHF). In May 2007, DOE suspended all decontamination and decommissioning (D&D) operations at SSFL, pending completion of the Area IV Environmental Impact Statement (EIS). As a result, the entire facility was placed into a safe shutdown mode, and no operations were conducted and no effluents were released to the atmosphere through the stack in 2013.

The EPA limit for a DOE site is 10 mrem/yr, as specified in 40 CFR 61, Subpart H. The regulation also specifies that radiation exposure dose to the Maximally Exposed Individual (MEI) be calculated using the EPA's CAP88PC computer model. Due to the fact that no effluents were released to the atmosphere from the DOE facility at SSFL in 2013, the potential radiation dose to the MEI was zero.

This report includes the Certification Statement signed by myself for The Boeing Company and by you for the DOE Project Office. The Certification Statements are required for the final report.

If you have any questions or comments on this report, please contact me at (818) 466-8840.

Sincerely,

Phil Rutherford
Manager, Health, Safety & Radiation Services
Santa Susana Field Laboratory

PR:jc

Enclosure: Radionuclide Air Emissions Annual Report

DOEAIR13

U. S. Department of Energy
Radionuclide Air Emissions Annual Report
(Subpart H of 40 CFR Part 61)
Calendar Year 2013

Site Name: Santa Susana Field Laboratory
(Prepared on January 21, 2014)

Operations Office Information

Office:	Department of Energy
Address:	Energy Technology Engineering Center
	4100 Guardian Street, Suite 160
	Simi Valley, CA 93063
Contact:	John Jones
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Site Information

Operator:	The Boeing Company
	Santa Susana Field Laboratory
Address:	5800 Woolsey Canyon Road
	Canoga Park, CA 91304-1148
Contact:	Phil Rutherford
Phone:	(818) 466-8840

Section I. Facility Information

Site Description

The Santa Susana Field Laboratory (SSFL) is located at the boundary of Ventura and Los Angeles Counties in southern California, as shown in Figure 1. The site consists of four administrative areas and undeveloped land, with a total area of approximately 2,850 acres. A broad range of energy related research and development (R&D) projects, including nuclear technologies, were conducted in Area IV of the site. All the nuclear R&D operations in Area IV ceased in 1988, and the subsequent efforts have been directed toward decontamination and decommissioning (D&D) of the former nuclear facilities. In May 2007, DOE suspended all D&D operations at SSFL, pending completion of the Area IV Environmental Impact Statement (EIS). Area IV has an area of about 290 acres, and Figure 2 shows the arrangement of the site.

The climate at SSFL is generally dry, with variable winds. The site is situated between Simi Valley and the San Fernando Valley. While the land immediately surrounding Area IV is undeveloped, suburban residential areas are at greater distances.

Source Description

There are two radiological facilities or buildings remaining in Area IV of the SSFL, as shown in Figure 3.

The Radioactive Materials Handling Facility (RMHF) was used for processing, packaging, and temporary storage of radioactive waste, which was eventually shipped off-site to DOE approved disposal facilities. The potential emission source at this facility is the exhaust stack through which radioactive effluents can be filtered and monitored before being released into the atmosphere. No radioactive liquid effluents are released from the facility. Since DOE suspended D&D operations at SSFL in May 2007, the RMHF has been placed into a safe shutdown mode. No effluents were released to the atmosphere through the RMHF exhaust stack during 2013.

Building 4024 housed experimental SNAP reactor systems during the 1960s. After the project was terminated, all equipment and fuel were removed from the facility. In 2005, portions of the building were demolished following release for unrestricted use by the State of California, Department of Public Health (DPH). This building is currently in an inactive, safe shutdown status, and is not considered a potential emission source for NESHAPs reporting.

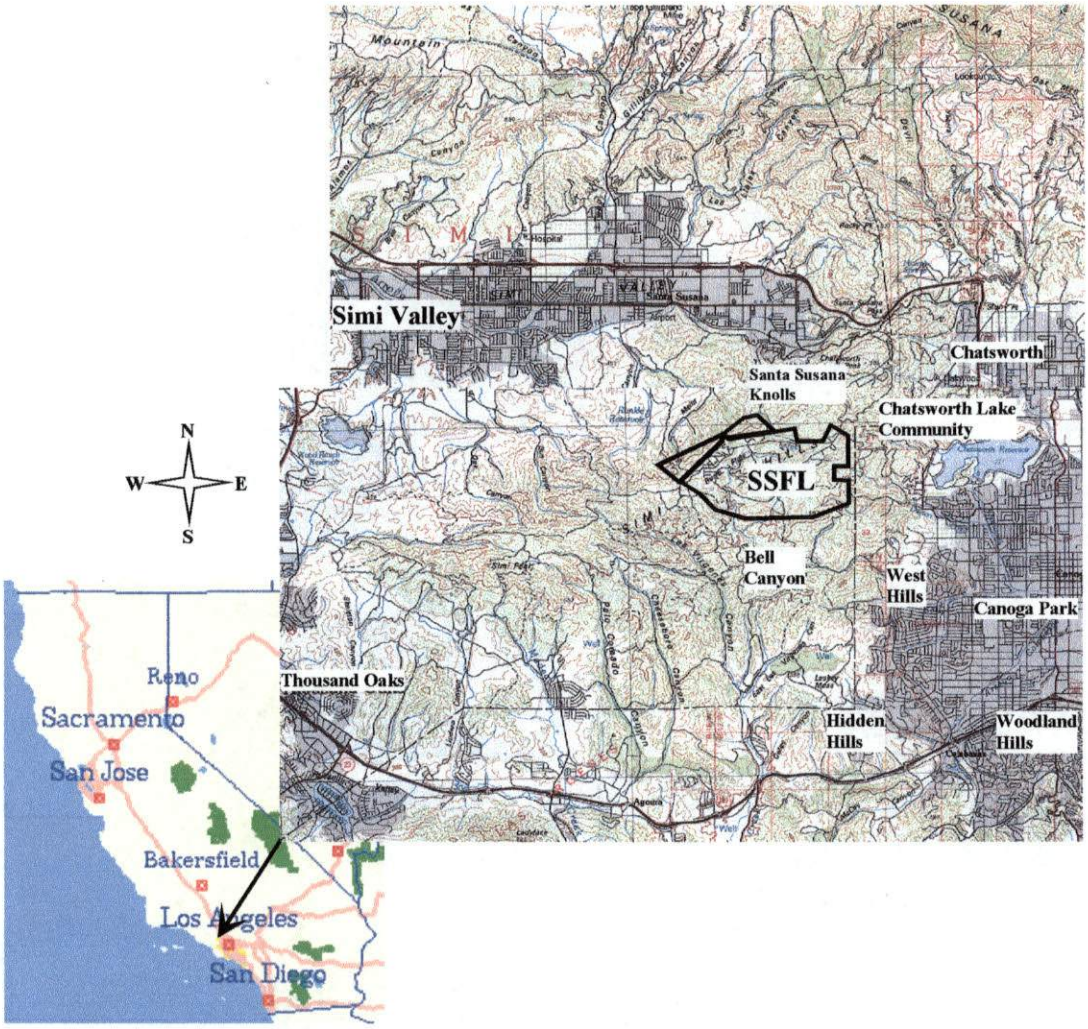

Figure 1. Location of Santa Susana Field Laboratory

Subdivisions			
Owner	**Jurisdiction**	**Acres**	**Subtotals**
The Boeing Co.	Area IV	289.9	
	Area I and III	784.8	
	Undeveloped land	1,324.6	2,399.3
Government	NASA (former AFP 57)	409.5	
	NASA (former AFP 64)	41.7	451.2
Total Acres			2,850.5

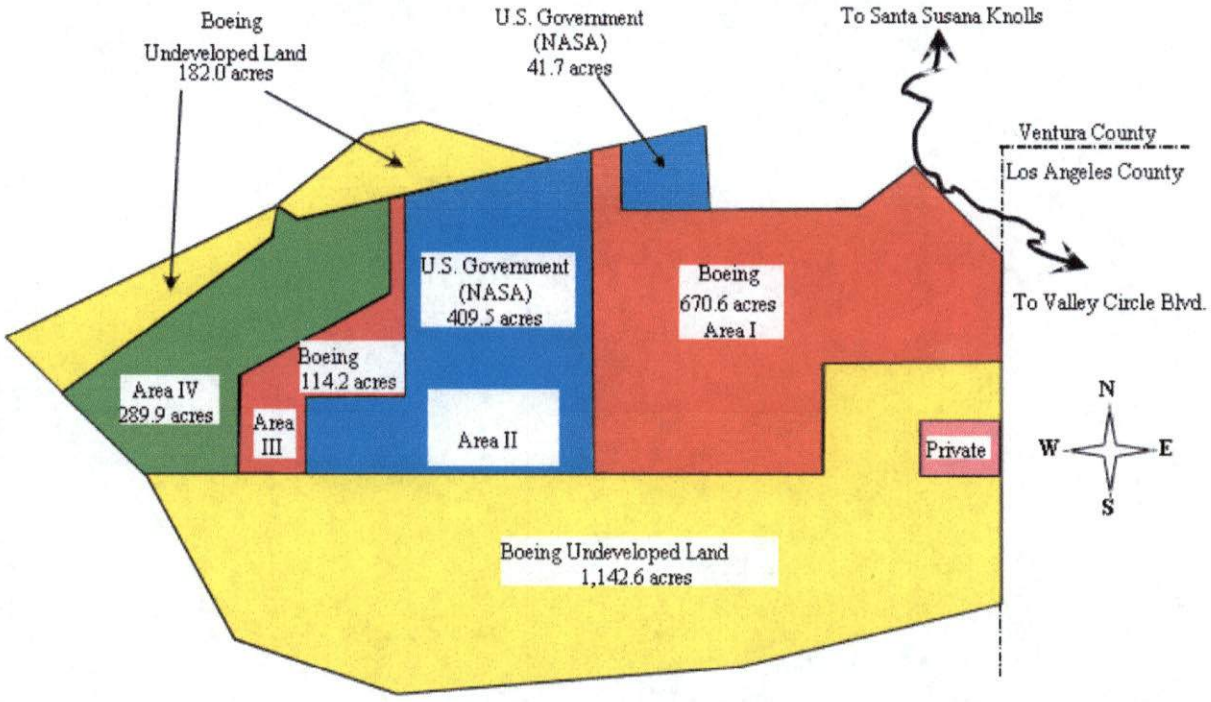

Figure 2. Santa Susana Field Laboratory Site Arrangement

Figure 3. Potential Source Locations in Area IV at the Santa Susana Field Laboratory

Section II. Air Emission Data - 2013

Point Source

Point Source	Type Control	Efficiency	Location of MEI
N/A			

Point Source Radionuclides	Annual Release Quantity (Ci)	(Bq)
N/A	0	0

Area (Non-Point) Source

N/A

Section III. Dose Assessments - 2013

Due to the fact that no effluents were released to the atmosphere from DOE's operations at SSFL in 2013, the potential radiation exposure doses to the Maximally Exposed Individual (MEI) as well as the population in the surrounding area were zero.

Certification

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment. (See, 18 U.S.C. 1001).

Phil Rutherford Date: 3/3/2014

Phil Rutherford, Manager
Health, Safety & Radiation Services
Santa Susana Field Laboratory
The Boeing Company

Date: 3/14/14

John Jones
Federal Project Director
Energy Technology Engineering Center
U. S. Department of Energy