



Department of Toxic Substances Control

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April 29, 2011

Mr. Thomas D. Gallacher
Director – Safety Health and Environmental Affairs
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Mr. Allen Elliott
National Aeronautics and Space Administration
George C. Marshall Space Flight Center
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**CERTIFICATION OF COMPLETION FOR ACTIONS UNDER IMMINENT AND
SUBSTANTIAL ENDANGERMENT DETERMINATION AND ORDER, DOCKET
NUMBER I/SED 07/08-002, NORTHERN DRAINAGE AREA, SANTA SUSANA FIELD
LABORATORY, VENTURA COUNTY, CALIFORNIA**

Dear Messrs. Gallacher and Elliott:

On November 1, 2007, the Department of Toxic Substances Control (DTSC) issued The Boeing Company (Boeing) and the National Aeronautics and Space Administration (NASA) an *Imminent & Substantial Endangerment Determination and Order and Remedial Action Order* (Docket No. I/SED 07/08-002 – IS&E order), for the cleanup of chemically-impacted surficial media in the Northern Drainage Area of the Santa Susana Field Laboratory (SSFL), and impacted adjacent portions of the Mountain Recreation and Conservation Authority Sage Ranch Property, and the American Jewish University (Brandeis-Bardin) Campus. The Northern Drainage contamination consisted of polynuclear aromatic hydrocarbons, antimony, and asbestos releases resulting from operations of the former Rocketdyne/Atomics International Rifle and Pistol Club, and debris derived from past site operations, including the former NASA Liquid Oxygen (LOX) plant.

In response, Boeing and NASA started removal actions and cleanup efforts for the impacted Northern Drainage area in 2007. Results of the removal actions and confirmation sampling efforts are summarized in the following documents:

- *Northern Drainage Former Liquid Oxygen (LOX) Plant, Debris/Asbestos Removal Action Report, Santa Susana Field Laboratory, Ventura County, California, (MWH, February 2008)*
- *Shooting Range Debris Removal Action Report, Santa Susana Field Laboratory, Ventura County, California, (Haley and Aldrich Inc., May 2009)*
- *Northern Drainage Clay Target Debris Removal Action Report, Santa Susana Field Laboratory, (Haley and Aldrich Inc., December 2010)*

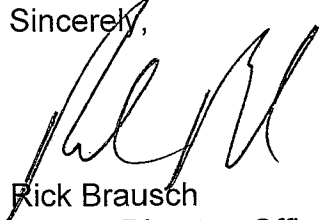
Based on reviews of these reports, DTSC has determined that the response actions required under the IS&E order have been successfully performed, the contaminants of concern defined in the IS&E order have been removed, and the remaining concentrations no longer pose an immediate risk to humans or environmental receptors. The attached Certification of Completion serves as the official DTSC determination that the conditions of the IS&E order have been successfully met.

Although the response actions removed the imminent threats to humans and environmental receptors, contaminants remain in Northern Drainage surficial media at concentrations that must be investigated and remediated under the site-wide SSFL cleanup and remedial investigation (RI) process. The current Northern Drainage conditions, including soil and surface water sample results collected in support of the removal actions under the IS&E order, should be incorporated into the applicable investigation documents, such as the RI data gap work plans (for Boeing sites) and the RI Work Plan (for NASA sites).

Messrs. Gallacher and Elliott
April 29, 2011
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If you have any questions, please contact Mr. Paul Carpenter at Pcarpent@dtsc.ca.gov or via phone at (916) 255- 3691, or Mr. Mark Malinowski at mmalinow@dtsc.ca.gov or via phone at (916) 255-3717.

Sincerely,



Rick Brausch
Deputy Director, Office of Policy
SSFL Project Director
Department of Toxic Substances Control

Attachment: *DTSC Certification of Completion for ISED 07/08-002*

cc: (via e-mail)

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CERTIFICATE OF COMPLETION

Department of Toxic Substances Control
Imminent and/or Substantial Endangerment Determination and Order
And Remedial Action Order Docket No. I/SED 07/08-002

Northern Drainage, Including Former Liquid Oxygen (LOX) Plant Debris Field and
Former Rocketdyne Atomics International Rifle and Pistol Club
Santa Susana Field Laboratory
Ventura County, California
CAD093365435 (Boeing)
CA1800090010 (NASA)

RECITALS

1. On November 1, 2007, the California Department of Toxic Substances Control ("DTSC") issued an Imminent & Substantial Endangerment Determination and Order and Remedial Action Order, Docket No. I/SED 07/08-002 (Order) regarding a portion of the Santa Susana Field Laboratory (SSFL) property located in Ventura County, California. The Order specifically applies to property encompassing the SSFL "Northern Drainage", including the former Liquid Oxygen (LOX) plant debris field, and the former Rocketdyne/Atomics International Rifle and Pistol Club (shooting range). This area, henceforth referred to as the Northern Drainage, is under the ownership of The Boeing Company and the National Aeronautics and Space Administration (Respondents). The hazardous substances which required a response action were Asbestos Containing Materials (ACM), antimony, and polycyclic aromatic hydrocarbons (PAHs).

2. Upon DTSC's issuance of the Order, Respondents instituted investigation, cleanup, and confirmation sampling measures required under the terms of the Order, and additional reporting requested by DTSC. The cleanup actions and confirmation sampling performed in the Northern Drainage have been reported to DTSC in the following documents: Asbestos/Former LOX Debris Removal Action Report (February 2008), Shooting Range Debris Removal Action Report (May 2009), and Clay Target Debris Removal Action Report (December 2010). DTSC has reviewed these documents and has determined that the response actions required in the Northern Drainage under the Order have been successfully performed, and that the contaminants of concern defined in the Order have been removed to concentrations which do not pose an ongoing immediate risk to humans or environmental receptors.

3. Although the response actions of the Order have been satisfactorily completed and no imminent threats to humans and the environment remain, contaminants remain in the Northern Drainage at concentrations which must be investigated and remediated under the site wide SSFL cleanup, which is being performed under DTSC authority as the lead State of California environmental agency for the SSFL cleanup. All remaining contamination in the Northern Drainage must be addressed under the processes and authorities of California Health and Safety Code (HSC) Chapters 6.5 and 6.8.

Adequate controls and enforcement mechanisms are in place to limit public access to the Northern Drainage at this time, and provisions independent of the Order are in place to assure environmental stabilization and restoration of the Northern Drainage.

TERMINATION OF ORDER AND RELEASE

THEREFORE, by this Certificate, DTSC determines and declares that:

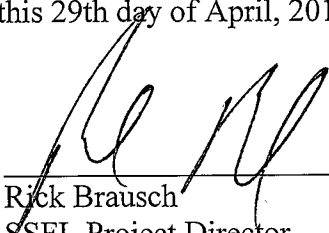
1. All environmental response actions at the Northern Drainage required of The Boeing Company and the National Aeronautics and Space Administration by the Order have been satisfactorily completed. Obligation of the Respondents to investigate and clean up any contamination remaining at the Northern Drainage in accordance with all applicable laws is still in effect, and will be carried out under DTSC regulatory oversight under the authority and provisions of HSC Chapters 6.5 and 6.8.

2. The Order is terminated as to The Boeing Company and the National Aeronautics and Space Administration, which are released from any further obligations or liabilities under the Order, except as expressed above in Section 3. **Moreover, this certification does not limit or preclude DTSC from taking or compelling the parties to take further action if previously unknown conditions are discovered or information is received, in whole or in part, and the previously unknown conditions or new information demonstrate that the parties are liable for additional contamination associated with the previously unknown conditions or information.**

3. This Certificate of Completion shall have no impact on potential liability under the Order, the laws cited in the Order or any other laws, with regard to any person, entity or government subdivision that is not a member of The Boeing Company or the National Aeronautics and Space Administration

Issued this 29th day of April, 2011.

By: _____


Rick Brausch
SSFL Project Director
Department of Toxic Substances Control