



# California Regional Water Quality Control Board

## Los Angeles Region



Recipient of the 2001 *Environmental Leadership Award* from Keep California Beautiful

Linda S. Adams  
Agency Secretary

320 W. 4th Street, Suite 200, Los Angeles, California 90013  
Phone (213) 576-6600 FAX (213) 576-6640 - Internet Address: <http://www.waterboards.ca.gov/losangeles>

Arnold Schwarzenegger  
Governor

July 14, 2010

Mr. Arthur Lenox  
The Boeing Company  
Santa Susana Field Laboratories  
5800 Woolsey Canyon Road  
Canoga Park, CA 91304

### TERMINATION OF WASTE DISCHARGE REQUIREMENTS - BOEING COMPANY SANTA SUSANA FIELD LABORATORY, SANTA SUSANA, CA (FILE NO. 04-022)

Dear Mr. Lenox:

Reference is made to our letter dated July 6, 2010, which transmitted a copy of revised tentative waste discharge requirements for the subject site, for termination of Regional Board Order No. R4-2004-0112, which involved the operation of biocells for perchlorate remediation of soils in the Happy Valley area of the Boeing Company Santa Susana Field Laboratory (Facility) in Santa Susana, California.

In accordance with the California Water Code, this Regional Board, at a public meeting held on July 8, 2010, reviewed the revised tentative termination Order, considered all factors in the case, and adopted Order No. R4-2010-0104. A copy of the termination Order is attached. For recipients on the mailing list, an electronic or hard copy of this attachment will be furnished upon request.

If you have any questions, please call Douglas Cross at (213) 620-2246 or me at (213) 620-6156.

Sincerely,

Rebecca Chou, Ph.D., P.E.  
Acting Chief of Groundwater Permitting and Landfills Section

Attached: Termination Order R4-2010-0104

*California Environmental Protection Agency*



*Our mission is to preserve and enhance the quality of California's water resources for the benefit of present and future generations*

cc: Ms. Leslie Graves, State Water Resources Control Board  
Mr. Mark Malinowski, California DTSC  
Mr. Rick Brausch, California DTSC  
Mr. Buck King, California DTSC  
Mr. Dan Hirsch, C/O Committee to Bridge the Gap  
Ms. Barbara Johnson, Santa Susanna H.O.A.  
Mr. Sheldon Plotkin, PhD, Southern California Federation of Scientists  
Mr. Jerome Raskin, PhD, Rocketdyne Cleanup Coalition  
Ms. Carol Henderson, Office Manager, Bell Canyon Homeowners Association  
Ms. Geraldine Weiss  
Dr. Joseph K. Lyou, Executive Director, Committee to Bridge the Gap  
Simi Valley Library  
California State University, Northridge, Urban Archives Center  
Mr. Michael Lopez, U.S.D.O.E.  
Ms. Mary Gross, U.S.D.O.E.  
Mr. Arthur Pinchev, Brandeis-Bardin Institute  
Mr. Howard Kaplan, Brandeis-Bardin Institute  
Mr. Matt Hagemann, Soil/Water/Air Protection Enterprise  
Mr. Allen Elliot, National Aeronautics and Space Administration  
Mr. Thomas Johnson, U.S. Department of Energy  
Mr. Dave Dassler, Environmental Remediation, Boeing Company  
Ms. Ginn Doose, Simi Valley Resident  
Ms. Teresa Jordan, Simi Valley Resident  
Ms. Christine Rowe, West Hills Neighborhood Council  
Ms. Jacqueline C. Young, West Hills Neighborhood Council

State of California  
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD, LOS ANGELES REGION

ORDER NO. R4-2010-0104

TERMINATION OF WASTE DISCHARGE REQUIREMENTS  
FOR DISCHARGES TO LAND/GROUNDWATER

The California Regional Water Quality Control Board, Los Angeles Region (Regional Board), finds:

1. The Regional Board adopted Waste Discharge Requirements (WDRs) contained in Order R4-2004-0112 for the Boeing Company (Discharger) on July 1, 2004, for the biotreatment of perchlorate impacted soil from onsite at Santa Susana Field Laboratory (Facility) in Santa Susana, California.
2. Beginning in July 2004, under the direction of the Department of Toxic Substances Control (DTSC) as the lead agency, the Discharger conducted both in-situ and ex-situ treatment of perchlorate impacted soil generated from the use of rocket fuel at the Facility for the purpose of controlling potential releases to surface waters. In-situ soil treatment was conducted under three buildings and ex-situ treatment of soil was conducted in bioremediation cells (biocell) at the Happy Valley area of the Facility. A biocell is a designated area for the treatment of perchlorate impacted soil. The soil treatment involves the application of methyl soyate (a biodiesel produced from soy oil and methanol) and calcium magnesium acetate (a common road salt) to the perchlorate impacted soil to reduce the perchlorate to chloride and water.
3. In a letter dated December 16, 2008, DTSC determined that "No additional action is required at this time for further reduction of residual soil perchlorate within the Happy Valley Drainage area". Regional Board staff verified, by inspection, that treatment of perchlorate impacted soil at the existing biocells in the Happy Valley area of the Facility has been discontinued.
4. Surface water runoff from the Happy Valley area continues to be monitored and regulated pursuant to Order No. R4-2009-0058 (NPDES No. CA0001309) and Order No. R4-2010-0090, which will become effective on July 19, 2010, to protect against contamination from any remaining perchlorate impacted soil that has not been removed or treated in the existing biocells.
5. Because remediation goals for perchlorate impacted soils targeted for cleanup has been achieved and no additional soil cleanup is proposed for the biocell, the Regional Board finds that requirements in Order No. R4-2004-0112 are no longer applicable to the Facility and shall be terminated, except for enforcement purposes.

6. The Regional Board has transmitted copies of a tentative Order to the Discharger and to interested agencies and persons, and has notified them of its intent to terminate the requirements.
7. At a public meeting on July 8, 2010, the Regional Board held a hearing and considered comments and correspondence pertaining to this matter.

IT IS HEREBY ORDERED that Waste Discharge Requirements Order No. R4-2004-0112 be terminated, except for enforcement purposes.

The Executive Officer of the Regional Board, is authorized, and is hereby directed, to certify and submit copies of this Order to the Discharger, and to such individuals and governmental agencies as may have need therefor, or may request same.

I, Samuel Unger, Interim Executive Officer, do hereby certify that the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, Los Angeles Region on July 8, 2010.



Samuel Unger  
Samuel Unger  
Interim Executive Officer