



# 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

October 6, 2010

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

Dear Mr. Gallacher:

**APPROVAL OF THE PLAN FOR ENVIRONMENTAL SAMPLING OF DIOXINS AND OTHER LOW SOLUBILITY POLLUTANTS AT PART-PER-BILLION AND LOWER CONCENTRATIONS, REPORT FOR THE FINAL INTERIM SOURCE REMOVAL ACTION (ISRA) SUBMITTED IN RESPONSE TO CALIFORNIA WATER CODE SECTION 13304 ORDER (NPDES NO. CA0001309, CI NO. 6027, SCP NO. 1111, SITE ID NO. 2040109)**

Los Angeles Regional Water Quality Control Board (Regional Board) staff and Department of Toxic Substances Control (DTSC) staff have reviewed the undated document titled *Environmental Sampling of Dioxins and Other Low Solubility Pollutants at Parts-per-Billion and Lower Concentrations: Field Protocols for Collecting SSFL ISRA Performance Samples and Obtaining Replicate Splits Using a Dekaport Cone Splitter* (Report). The Report was received on September 1, 2010. This letter provides approval to implement the protocol outlined in the Report.

The proposal to implement the use of the Dekaport Cone Splitter for samples analyzed at the parts-per-billion (ppb) and lower concentration will be implemented to address sample variability noted in samples analyzed at the ppb levels. The Report states that "Pollutants with low aqueous solubility, such as dioxins, require additional special attention because they tend to partition preferentially from the dissolved state to a sorbed state on solid surfaces such as sediments and container walls." The use of Dekaport Cone Splitter will require the collection of a number of grab samples over a period of time resulting essentially in a composite sample of the runoff from the area sampled. It will require cleaning of the apparatus in the field, and the collection of field and equipment blanks to be analyzed if there are positive detects in the samples.

The Dekaport Cone Splitter will be used to collect performance monitoring samples in the watersheds of Outfall 008 and 009 where ISRA excavation activities have occurred. The

**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.*

Mr. Thomas Gallacher  
The Boeing Company

- 2 -

October 6, 2010

performance monitoring samples will be used to evaluate the effectiveness of the ISRA activities.

If you have any questions regarding this activity, please telephone Mr. Peter Raftery at (213) 576-6724 or [praftery@waterboards.ca.gov](mailto:praftery@waterboards.ca.gov), or Cassandra Owens at (213) 576-6750 or [cowens@waterboards.ca.gov](mailto:cowens@waterboards.ca.gov).

Sincerely,



Samuel Unger  
Executive Officer

Enclosure: Email dated September 29, 2010 from Buck King with California Department of Toxic Substances Control

cc: Mr. Rick Brausch, California Department of Toxic Substances Control  
Mr. Mark Malinowski, Department of Toxic Substances Control  
Mr. Gerard Abrams, Department of Toxic Substances Control  
Mr. Buck King, Department of Toxic Substances Control  
Mr. Tom Skaug, Department of Toxic Substances Control  
Mr. Thomas Gallacher, Boeing Company  
Mr. Allen Elliot, NASA  
Ms. Merrilee Fellows, NASA  
Mr. Arthur Lenox, Boeing Company  
Ms. Lori Blair, Boeing Company

**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.*

**From:** Buck King <BKing@dtsc.ca.gov>  
**To:** "Peter Raftery" <praftery@waterboards.ca.gov>  
**Date:** 9/29/2010 6:36 PM  
**Subject:** Re: Split Water Sampling Protocols

Peter,

I have reviewed the sampling split protocol and have no comments. It looks good to me and I recommend that it be considered for implementation.

Buck King, PG, CHG  
Senior Engineering Geologist  
(510) 540-3955 Fax (510) 540-3937  
bking@dtsc.ca.gov

>>> Peter Raftery <praftery@waterboards.ca.gov> 9/29/2010 10:45 AM >>>

Buck:

Do you have any comments on the surface water split sampling protocols as proposed by the expert panel?

Peter