


OFFSITE DATA EVALUATION REPORT SANTA SUSANA FIELD LABORATORY VENTURA COUNTY, CALIFORNIA

**Prepared For:
THE BOEING COMPANY
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
THE UNITED STATES DEPARTMENT OF ENERGY**





Prepared By:

MWH

**618 Michillinda Ave, Suite 200
Arcadia, CA 91007**

December 2007

Via Express Courier

December 13, 2007

In reply refer to SHEA-106718



Mr. Norman Riley
SSFL Project Director
California Department of Toxic Substances Control
1001 "I" Street, 25th Floor
P.O. Box 806
Sacramento, CA 95812-0806

RE: Offsite Data Evaluation Report
Santa Susana Field Laboratory, Ventura County, California

Dear Mr. Riley:

Pursuant to Section 3.4.9 of the Consent Order for Corrective Action signed by DTSC, Boeing, NASA, and DOE on August 16, 2007, please find attached the Offsite Data Evaluation Report. Offsite data have been compiled from 18 field sampling and analysis programs. This report summarizes and evaluates the results of offsite media sampling and testing data for chemical and radiological contaminants collected by Boeing, NASA, and DOE within a 15-mile radius around the Santa Susana Field Laboratory over a nearly 60 year time period..

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of



Runkle
Canyon

FDP-424

S-29

OSSW01

See Figure 2-1.a

UNDEVELOPED LAND

BG04

AREA IV

AREA III

BKND-2

OSLS02

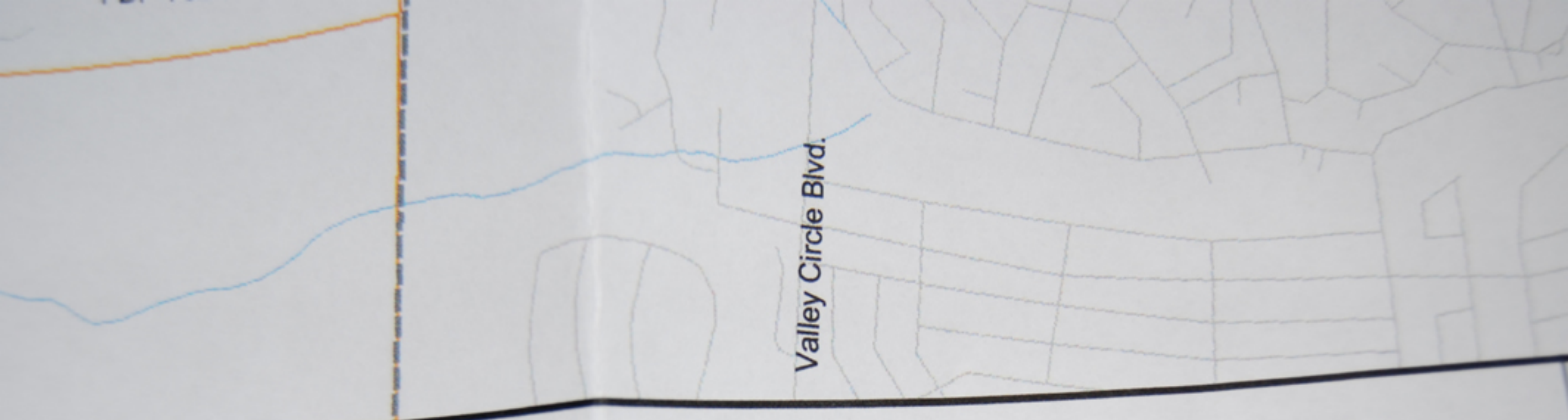
OSLS01

FDP-916

OS-21

FDP-918

FDP-762/917



Valley Circle Blvd.

Offsite Sampling Near Santa Susana Field Laboratory

ana



MWH

Date: Dec 13, 2007

Document: Offsite-Report-Sampling_Around_SSFL.mxd

**FIGURE
2-1**

Groundwater Findings
Low level groundwater VOC detects
considered laboratory contamination
and/or non-repeatable.

Runkle
Canyon

Groundwater Findings
TCE infrequently detected at
low concentrations (4 out of
approximately 40 samples).

UNDEVELOPED LAND





AREA IV

Onsite
Seep/Spring FDP-890 Area
TCE up to 200 ug/L
cis-1,2-DCE up to 400 ug/L





g. Debris) / Soil Vapor Max Ratio

Soil Vapor Non-Detect

Offsite Groundwater Max Ratio

-  < Drinking Water Standards
-  < 10 x Drinking Water Standards
-  < 100 x Drinking Water Standards
-  Offsite Groundwater Non-Detect

Offsite Surface Water Max Ratio

-  < Drinking Water Standards
-  < 10 x Drinking Water Standards
-  < 100 x Drinking Water Standards
-  Offsite Surface Water Non-Detect

Screening levels provided in Appendix C

Private residence sample locations not shown to honor request by residents to maintain confidentiality. Resultant data ratios described in notes if analyzed for method depicted.

VOC Summary for All Media Areas Offsite of SSFL

SANTA SUSANA FIELD LABORATORY



MWH

Date: Dec 14, 2007

Document: Offsite-Report-VOC_Summary.mxd

**FIGURE
3-1**

PROPERTY, EASEMENTS AND DIVISIONS 11 14 07

Runkle
Canyon
Drainage
11 Acres

Northwestern Drainage

257
Acres 10

Bell Creek
1.7

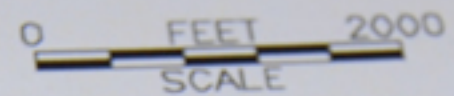




Area Boundary
Drainage Divide
Stream or Drainage
NPDES Outfall

Notes:

Acresage provided is that which lies in the drainage within the SSFL property boundary. Outfalls 15, 16, and 17 not included and Outfall 19 added in revised NPDES permit effective December 20, 2007.



MWH

SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA
DECEMBER 2007

**TOPOGRAPHY, DRAINAGES AND
SURFACE WATER MAP**

FIGURE 1-4