

APPENDIX H

PIPELINE REMOVAL DOCUMENTS

Appendix H – Pipeline Removal Documents

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Table H-3 Pipeline Characteristics and Sampling Information at ISRA Area
AP/STP-1A

Building Feature Description (BFD) Logs for Pipelines at ISRA Area AP/STP-1A

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INTERIM SOURCE REMOVAL ACTION (ISRA)

**TABLE H-1 PIPELINE CHARACTERISTICS AND SAMPLING INFORMATION AT B1-2
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY**

Pipeline Number ¹	Type	Description	Pipeline Material	Pipeline Wrapping Present ²	Pipeline Exposed or Buried ³	Approximate Length of Pipeline Removed	Sample ID ⁴	Analysis	Sampling Results	Notes
1	Electric	Test 2-inch and 1.5-inch diameter conduits	Metal	Yes	Partially exposed	14	B1SO0006S001 ISRA-081710-10 ISRA-081710-11 ISRA-081710-12	Asbestos PCBs	Asbestos - detected PCB - 1254 - 0.200 mg/kg (1.4 x HH RBSL, 2.6 x Eco RBSL) PCB - 1260 - 0.090 mg/kg (1.2 x Eco RBSL)	Southern portion of pipe runs beneath tar plant island. This portion is left in place.
2	Water	6-inch diameter pipeline for test stand	Metal	No	Partially exposed	48	--	--	--	
3	Electric	4-inch diameter test wires conduit	Metal	No	Partially exposed	6	--	--	--	
4	Electric	Test wires conduit	Metal	Unknown	Buried	None	--	--	--	
5	Water	6-inch diameter pipeline	Metal	Yes	Partially exposed ⁵	97	B1SO0003S001	PCBs	PCB - 1254 - 22 mg/kg (282 x Eco RBSL and 157 x HH RBSL)	72 ft of pipe removed at upper B1-2 area and 25 ft of pipe removed at lower B1-2 area.
6	Water	3-inch diameter pipeline for building	Metal	Yes	Partially exposed	80	B1SO0004S001 ISRA-081710-4 ISRA-081710-5 ISRA-081710-6	Asbestos PCBs	Asbestos - not detected PCB - 1254 - 0.16 mg/kg (1.1 x HH RBSL and 2.1 x Eco RBSL) PCB - 1260 - 0.110 mg/kg (1.4 x Eco RBSL)	
7	Water	6-inch diameter pipeline for Test Stand	Metal	Unknown	Buried	None	--	--	--	
8	Fuel	Test Piping, 3.5-inch diameter pipeline	Metal	No	Partially exposed	23	--	Radiological ⁶	Radiological - not detected	The pipeline is not decommissioned material, and did not originate from a radiological facility. The survey was conducted as a best management practice.
9	Electric and Unknown	Three 3.5-inch diameter conduits	Metal	No	Partially exposed	18	--	--	--	Middle line is cement plugged, and lines on either side are open-ended with wires. Six feet of pipe removed from each of the three, totaling 18 feet of pipe removed.
10	Unknown	4-inch diameter pipeline	Metal	Yes	Partially exposed	13	B1SO0005S001 ISRA-081710-7 ISRA-081710-8 ISRA-081710-9	PCBs asbestos	PCBs - not detected Asbestos - not detected	Black, fibrous tape on elbow and on sections of pipe.

INTERIM SOURCE REMOVAL ACTION (ISRA)

**TABLE H-1 PIPELINE CHARACTERISTICS AND SAMPLING INFORMATION AT B1-2
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY**

Pipeline Number ¹	Type	Description	Pipeline Material	Pipeline Wrapping Present ²	Pipeline Exposed or Buried ³	Approximate Length of Pipeline Removed	Sample ID ⁴	Analysis	Sampling Results	Notes
11	Unknown	3-inch diameter pipeline	Metal	Unknown	Buried	None	--	--	--	Pipe end exposed in hillside above B1-2 drainage area, most likely part of test stand drain system to water tank (now removed).
12	Drain	8-inch diameter pipeline	Metal	No	Partially exposed	None	--	--	--	Pipe end exposed in hillside above B1-2 drainage area, most likely part of test stand drain system to water tank (now removed).
13	Drain	12-inch diameter pipeline	Metal (CMP)	No	Partially exposed	30	--	--	--	
14	Unknown	2.25-inch diameter pipeline	Metal	No	Partially exposed	8	--	--	--	
15	Unknown	4-inch diameter pipeline	Metal	Yes	Partially exposed	12	B1SO0001S001 ISRA-081310-1 ISRA-081310-2 ISRA-081310-3	PCBs asbestos	<u>PCBs</u> - not detected <u>Asbestos</u> - not detected	
16	Unknown	2-inch diameter pipeline	Metal	Yes	Partially exposed	16	B1SO0002S001 ISRA-081710-1 ISRA-081710-2 ISRA-081710-3	PCBs asbestos	<u>PCBs</u> - not detected <u>Asbestos</u> - not detected	
17	Unknown	3-inch diameter pipeline	Metal	Yes	Partially exposed	40	--	--	--	At least 40 feet removed during excavation of hillside to lower B1-2 area.
18	Drain	12-inch diameter pipeline	Metal (CMP)	No	Partially exposed	40	--	--	--	
19	Unknown	1.5-inch diameter pipeline	Metal	Yes	Partially exposed	16	B1SO0007S001	PCBs ⁷	<u>PCB - 1260</u> - 0.640 mg/kg (4.6 x HH RBSL and 8.2 x Eco RBSL)	
20	Unknown	2-inch diameter pipeline	Metal	No	Partially exposed	8	--	--	--	
21	Unknown	6-inch diameter pipeline	Metal	No	Partially exposed	16	--	--	--	May connect with #5 (perpendicular 6" water line).
22	Unknown	3.5-inch diameter pipeline	Metal	No	Partially exposed	10	--	--	--	

INTERIM SOURCE REMOVAL ACTION (ISRA)

**TABLE H-1 PIPELINE CHARACTERISTICS AND SAMPLING INFORMATION AT B1-2
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY**

Pipeline Number ¹	Type	Description	Pipeline Material	Pipeline Wrapping Present ²	Pipeline Exposed or Buried ³	Approximate Length of Pipeline Removed	Sample ID ⁴	Analysis	Sampling Results	Notes
23	Unknown	1.5-inch diameter pipeline	Metal	No	Partially exposed	None	--	--	--	
24	Unknown	6-inch diameter pipeline	Metal	No	Partially Exposed	220	--	--	--	Sections of pipe south of excavation boundary are clay, possibly a sewer line.
25	Unknown	2-inch diameter pipeline	Metal	No	Partially exposed	2	--	--	--	Present beneath tar plant island and is mostly left in place.
26	Various	Pipelines (11) of various diameters, encased within red concrete	Metal	No	Partially exposed	25	--	--	--	
27	Unknown	8-inch diameter pipeline	Metal	No	Partially exposed	None	--	--	--	Present beneath tar plant island and is left in place.

Notes

¹ Corresponds to numbered pipelines on Figure H-1.

² Several of the pipelines were observed to have a wrapping of black material present on the exterior of the pipeline.

³ Excavation at ISRA area B1-2 in the region of discovered pipelines was to depths of 2 to 8 feet below ground surface (bgs).

⁴ Corresponds to the sample identification of samples that were collected of the wrapping material on the pipe.

⁵ The black wrapping material present was a smooth plastic-like substance that did not indicate it as an ACM. Therefore no samples collected for asbestos analysis.

⁶ Instrument measurements were made for beta/gamma total surface contamination (Ludlum 3 plus Ludlum 44-9 GM probe) and gamma exposure rate (Bicron microrem meter). Wipes were taken for removable alpha/beta contamination and counted in a low-background Tennelec laboratory alpha/beta counter. Instrument MDA for total contamination measurements are <5,000 dpm/100 cm² beta (Ludlum 44-9 probe).

Removable contamination MDAs for the Tennelec are 13 dpm/100 cm² alpha and 20 dpm/100 cm² beta. The Bicron MDA is ~4 uR/hr.

⁷ Not analyzed for asbestos, but assumed the same ACM material at B1SO0006S001.

Acronym

-- No sample collected.

ACM: asbestos-containing material

CMP: corrugated metal pipe

Eco RBSL: Ecological risk-based screening level

HH RBSL: Human health risk-based screening level

MDA: minimum detectable activity

mg/kg: milligrams per kilogram

PCB: polychlorinated biphenyl

Outfalls 009 ISRA B1-2 Pipes

Base Map Legend

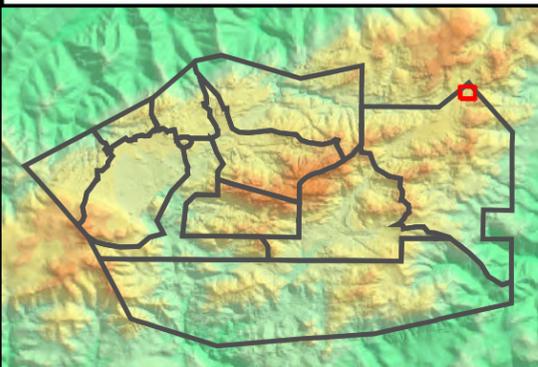
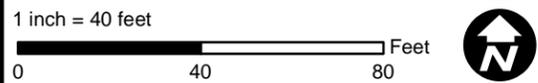
-  Administrative Area Boundary
-  Non Jurisdictional Surface Water Pathway
-  RFI Site Boundary
-  Surface Water Divide
-  Drainage

Data Legend

-  In Place Pipe Surveyed (2010)
-  Removed Pipe Surveyed (2010)
-  Unknown/Buried Pipe Surveyed (2010)
-  Planned Excavation Area
-  Actual Excavation Boundary
-  Additional Excavation Area
-  Soil Not Excavated to Preserve Protected Species and/or Monitoring Wells

Note: The extent of pipelines and current conditions shown on this figure are estimated and may extend beyond the boundaries shown.

Path: T:\projects\rock3\ISRA\Figures\Outfall-009\B1-2_Pipes_11x17.mxd Date: 4/28/2011



Building Feature Documentation Log
Feature Number: B1-2-001
Santa Susana Field Laboratory, Ventura County, California

Feature Description:

Feature Type: **Pipelines (2): Electric**
Operational Use / Process: **Conduits**
Associated Chemicals: **None**
Discharge: **No**
Size: **2-inch and 1-1/2-inch**
Construction Material: **Metal with black pipe wrapping. Pipe is painted blue beneath wrapping.**
Status: **Partially removed**

Feature Condition:

General Condition: **Intact**
Debris: **No**
Staining: **No**
Odor: **No**
PID Reading: **N/A**
Likelihood of Impact from Feature: **Potential from pipe wrapping.**

Additional Information:

Proximity to Nearest Chemical Use Area: **Within CUA 12 (Equipment Storage - Old Property Yard) and between CUA 1C and 2A (Jet Engine Test Stands 3 and 4, respectively)**
Likelihood of Impact from Other Source: **Unlikely**
Comments: **Feature was identified during 2010 ISRA Implementation activities by geophysical surveying and/or by initial soil removal down to 2 feet bgs.**
GPS Coordinates: **E1796948.95, N269293.28**

Sampling Information:

Sampling Warranted?: **Yes**
Sampling Description/Notes: **Collected sample of pipe wrapping.**
Sampling Type: **Solid**
Sample ID Number(s): **B1SO0006 and ISRA-081710-(10-12)**
Analyses: **PCBs and asbestos. PCB-1254 - 0.200 mg/kg (1.4 x HH RBSL, 2.6 x Eco RBSL); PCB-1260 - 0.090 mg/kg (1.2 x Eco RBSL); Asbestos detected.**

Photo 1-Looking North



Photo 2-Looking North



Building Feature Documentation Log
Feature Number: B1-2-001
Santa Susana Field Laboratory, Ventura County, California

Photo 3-Looking North



Building Feature Documentation Log
Feature Number: B1-2-002
Santa Susana Field Laboratory, Ventura County, California

Feature Description:

Feature Type: **Pipeline: Water**
Operational Use / Process: **Water conveyance to test stand**
Associated Chemicals: **None**
Discharge: **Unknown**
Size: **6-inch**
Construction Material: **Metal**
Status: **Partially removed**

Feature Condition:

General Condition: **Intact**
Debris: **No**
Staining: **No**
Odor: **No**
PID Reading: **N/A**
Likelihood of Impact from Feature: **Unlikely**

Additional Information:

Proximity to Nearest Chemical Use Area: **Within CUA 12 (Equipment Storage - Old Property Yard) and near CUA 1C and 10 (Jet Engine Test Stands 3 and Class C Explosive Storage Building [B1445], respectively)**
Likelihood of Impact from Other Source: **Unlikely**
Comments: **Feature was identified during 2010 ISRA Implementation activities by geophysical surveying and/or by initial soil removal down to 2 feet bgs. Additional soil removal was conducted in selected areas to a depth of 5 feet bgs, to remove soil associated with confirmation samples exceeding soil remediation goals (SRGs).**
GPS Coordinates: **E1796902.43, N269283.19**

Sampling Information:

Sampling Warranted?: **No**
Sampling Description/Notes: **N/A**
Sampling Type: **N/A**
Sample ID Number(s): **N/A**
Analyses: **N/A**

Photo 1-Looking Southwest



Photo 2-Looking Southwest



Building Feature Documentation Log
Feature Number: B1-2-002
Santa Susana Field Laboratory, Ventura County, California

Photo 3-Looking West



Building Feature Documentation Log
Feature Number: B1-2-003
Santa Susana Field Laboratory, Ventura County, California

Feature Description:

Feature Type: **Pipeline: Test Wires**
Operational Use / Process: **Conduits**
Associated Chemicals: **None**
Discharge: **No**
Size: **4-inch**
Construction Material: **Metal with black material coating.**
Status: **Partially removed**

Feature Condition:

General Condition: **Intact**
Debris: **No**
Staining: **No**
Odor: **No**
PID Reading: **N/A**
Likelihood of Impact from Feature: **Unlikely**

Additional Information:

Proximity to Nearest Chemical Use Area:
Within CUA 12 (Equipment Storage - Old Property Yard) and near CUA 4b (transformer)
Likelihood of Impact from Other Source:
Unlikely
Comments: **Feature was identified during 2010 ISRA Implementation activities by geophysical surveying and/or by initial soil removal down to 2 feet bgs. Additional soil removal was conducted in selected areas to a depth of 5 feet bgs, to remove soil associated with confirmation samples exceeding soil remediation goals (SRGs).**
GPS Coordinates: **E1796857.59, N269277.57**

Sampling Information:

Sampling Warranted?: **No**
Sampling Description/Notes: **N/A**
Sampling Type: **N/A**
Sample ID Number(s): **N/A**
Analyses: **N/A**

Photo 1-Looking Southeast



Photo 2-Looking Down



Building Feature Documentation Log
Feature Number: B1-2-003
Santa Susana Field Laboratory, Ventura County, California

Photo 3-Looking South



Building Feature Documentation Log
Feature Number: B1-2-004
Santa Susana Field Laboratory, Ventura County, California

Feature Description:

Feature Type: **Pipeline: Test Wires**
Operational Use / Process: **Conduits**
Associated Chemicals: **None**
Discharge: **No**
Size: **Unknown**
Construction Material: **Metal**
Status: **Closed/Inactive**

Feature Condition:

General Condition: **Unknown, pipes buried beneath floor of excavation.**
Debris: **N/A**
Staining: **N/A**
Odor: **N/A**
PID Reading: **N/A**
Likelihood of Impact from Feature: **Unlikely**

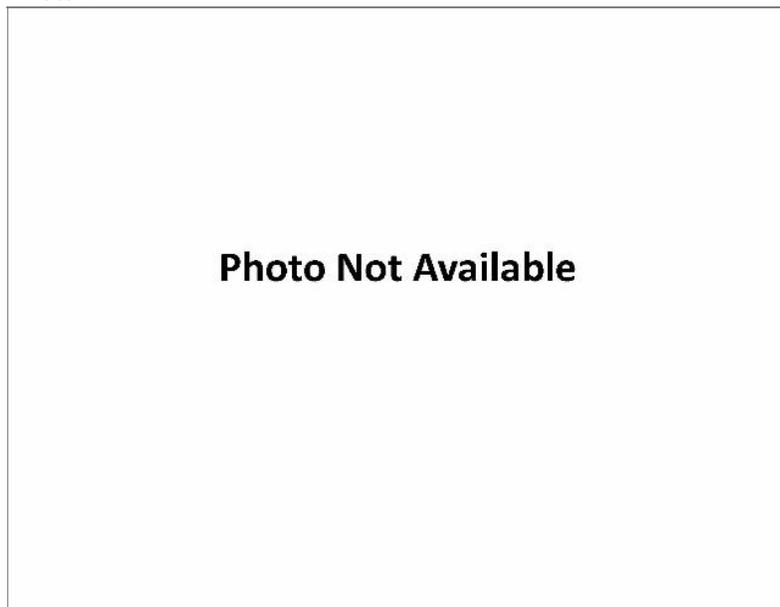
Additional Information:

Proximity to Nearest Chemical Use Area:
Within CUA 12 (Equipment Storage - Old Property Yard) and near CUA 3 (JP-4 UST Area)
Likelihood of Impact from Other Source:
Unlikely
Comments: **Feature was identified during 2010 ISRA Implementation activities by geophysical surveying.**
GPS Coordinates: **E1796893.93, N269241.28**

Sampling Information:

Sampling Warranted?: **N/A**
Sampling Description/Notes: **N/A**
Sampling Type: **N/A**
Sample ID Number(s): **N/A**
Analyses: **N/A**

Photo 1-



Building Feature Documentation Log
Feature Number: B1-2-005
Santa Susana Field Laboratory, Ventura County, California

Feature Description:

Feature Type: **Pipeline: Water**
Operational Use / Process: **Water conveyance**
Associated Chemicals: **None**
Discharge: **No**
Size: **6-inch to 8-inch**
Construction Material: **Metal with black plastic-like wrapping.**
Status: **Partially removed**

Feature Condition:

General Condition: **Intact**
Debris: **No**
Staining: **No**
Odor: **No**
PID Reading: **N/A**
Likelihood of Impact from Feature: **Potential from pipe wrapping.**

Additional Information:

Proximity to Nearest Chemical Use Area: **Within CUA 12 (Equipment Storage - Old Property Yard) and near CUA 3 (JP-4 UST Area)**
Likelihood of Impact from Other Source: **Unlikely**
Comments: **Feature was identified during 2010 ISRA Implementation activities by geophysical surveying and/or by initial soil removal down to 2 feet bgs. Additional soil removal was conducted in selected areas to a depth of 5 feet bgs, to remove soil associated with confirmation samples exceeding soil remediation goals (SRGs).**
GPS Coordinates: **E1796842.17, N269222.53**

Sampling Information:

Sampling Warranted?: **Yes**
Sampling Description/Notes: **Collected sample of pipe wrapping.**
Sampling Type: **Solid**
Sample ID Number(s): **B1S00003**
Analyses: **PCBs, PCB-1254 - 22 mg/kg (282 x Eco RBSL, 157 x HH RBSL).**

Photo 1-Looking Down



Photo 2-Looking South



Building Feature Documentation Log
Feature Number: B1-2-005
Santa Susana Field Laboratory, Ventura County, California

Photo 3-Looking Northwest



Building Feature Documentation Log
Feature Number: B1-2-006
Santa Susana Field Laboratory, Ventura County, California

Feature Description:

Feature Type: **Pipeline: Water**
Operational Use / Process: **Water conveyance**
Associated Chemicals: **None**
Discharge: **Unknown**
Size: **3-inch**
Construction Material: **Metal with black pipe wrapping**
Status: **Partially removed**

Feature Condition:

General Condition: **Intact**
Debris: **No**
Staining: **No**
Odor: **No**
PID Reading: **N/A**
Likelihood of Impact from Feature: **Potential from pipe wrapping**

Additional Information:

Proximity to Nearest Chemical Use Area: **Within CUA 12 (Equipment Storage - Old Property Yard), near CUA 3 (JP-4 UST Area), and near CUA 1a and 1b (Jet Engine Test Stands 1 and 2, respectively)**
Likelihood of Impact from Other Source: **Unlikely**
Comments: **Feature was identified during 2010 ISRA Implementation activities by geophysical surveying and/or by initial soil removal down to 2 feet bgs. Additional soil removal was conducted in selected areas to a depth of 5 feet bgs, to remove soil associated with confirmation samples exceeding soil remediation goals (SRGs).**
GPS Coordinates: **E1796845.05, N269190.46**

Sampling Information:

Sampling Warranted?: **Yes**
Sampling Description/Notes: **Collected sample of pipe wrapping**
Sampling Type: **Solid**
Sample ID Number(s): **B1S00004 and ISRA-081710-(4-6)**
Analyses: **PCBs and asbestos: PCB-1254 - 0.16 mg/kg (1.1 x HH RBSL, 2.1 x Eco**

Photo 1-Looking Down



Photo 2-Looking South



Building Feature Documentation Log
Feature Number: B1-2-006
Santa Susana Field Laboratory, Ventura County, California

RBSL); PCB-1260 - 0.110 mg/kg (1.4 x Eco
RBSL); Asbestos not detected.

Photo 3-Looking Southwest



Building Feature Documentation Log
Feature Number: B1-2-007
Santa Susana Field Laboratory, Ventura County, California

Feature Description:

Feature Type: **Pipeline: Water**
Operational Use / Process: **Water conveyance to test stand**
Associated Chemicals: **None**
Discharge: **Unknown**
Size: **6-inch**
Construction Material: **Metal**
Status: **Closed/Inactive**

Feature Condition:

General Condition: **Unknown, pipes buried beneath floor of excavation.**
Debris: **N/A**
Staining: **N/A**
Odor: **N/A**
PID Reading: **N/A**
Likelihood of Impact from Feature: **Unlikely**

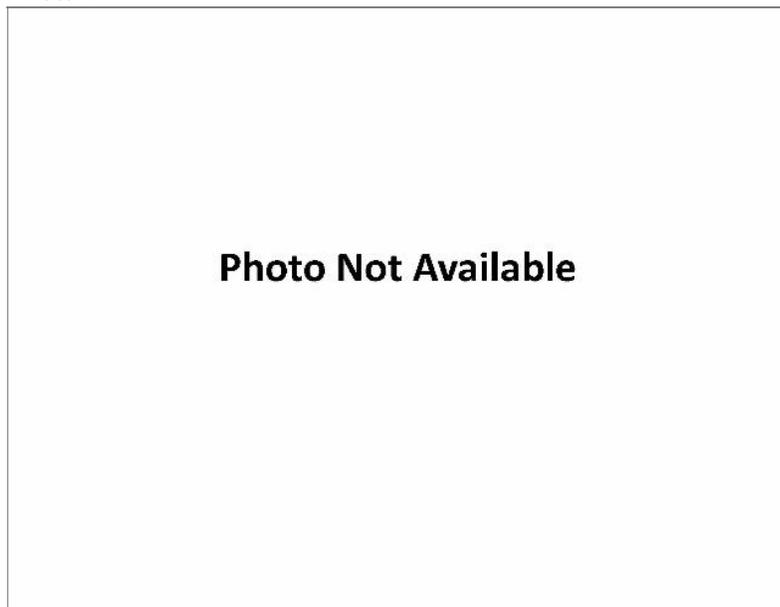
Additional Information:

Proximity to Nearest Chemical Use Area: **Within CUA 12 (Equipment Storage - Old Property Yard) and near CUA 3 (JP-4 UST Area)**
Likelihood of Impact from Other Source: **Unlikely**
Comments: **Feature was identified during 2010 ISRA Implementation activities by geophysical surveying.**
GPS Coordinates: **E1796862.21, N269199.92**

Sampling Information:

Sampling Warranted?: **No**
Sampling Description/Notes: **N/A**
Sampling Type: **N/A**
Sample ID Number(s): **N/A**
Analyses: **N/A**

Photo 1-



Building Feature Documentation Log
Feature Number: B1-2-008
Santa Susana Field Laboratory, Ventura County, California

Feature Description:

Feature Type: **Pipelines (2): Fuel**
Operational Use / Process: **Hazardous material conveyance**
Associated Chemicals: **Petroleum Fuel**
Discharge: **Unknown**
Size: **3 1/2-inch**
Construction Material: **Metal**
Status: **Partially removed**

Feature Condition:

General Condition: **Intact, some liquid was present within the pipe.**
Debris: **No**
Staining: **Yes**
Odor: **Yes**
PID Reading: **Up to 1076 ppm within the pipe**
Likelihood of Impact from Feature: **Potential**

Additional Information:

Proximity to Nearest Chemical Use Area: **Within CUA 12 (Equipment Storage - Old Property Yard) and CUA 1a and 1b (Jet Engine Test Stands 1 and 2, respectively)**
Likelihood of Impact from Other Source: **Potential**
Comments: **Feature was identified during 2010 ISRA Implementation activities by geophysical surveying and/or by initial soil removal down to 2 feet bgs. Additional soil removal was conducted in selected areas to a depth of 5 feet bgs, to remove soil associated with confirmation samples exceeding soil remediation goals (SRGs).**
GPS Coordinates: **E1796877.76, N269139.37**

Sampling Information:

Sampling Warranted?: **No**
Sampling Description/Notes: **Performed radiological survey as best management practice. The pipeline is not decommissioned material, and did not originate from a radiological facility.**
Sampling Type: **Radiological survey, and wipe samples for removable radiological contamination.**

Photo 1-Looking Southeast



Photo 2-Looking Southeast



Building Feature Documentation Log
Feature Number: B1-2-008
Santa Susana Field Laboratory, Ventura County, California

Sample ID Number(s): N/A
Analyses: Alpha, beta, gamma. All not detected.

Photo 3-Looking Northeast



Building Feature Documentation Log
Feature Number: B1-2-009
Santa Susana Field Laboratory, Ventura County, California

Feature Description:

Feature Type: **Pipelines (3): Electrical**
Operational Use / Process: **Conduits**
Associated Chemicals: **None**
Discharge: **No**
Size: **3 1/2-inch (one in the middle cement plugged and other two open-ended with wires inside)**
Construction Material: **Metal**
Status: **Partially removed**

Feature Condition:

General Condition: **Intact**
Debris: **No**
Staining: **No**
Odor: **No**
PID Reading: **N/A**
Likelihood of Impact from Feature: **Unlikely**

Additional Information:

Proximity to Nearest Chemical Use Area: **Within CUA 12 (Equipment Storage - Old Property Yard) and CUA 1b (Jet Engine Test Stands 2)**
Likelihood of Impact from Other Source: **Unlikely**
Comments: **Feature was identified during 2010 ISRA Implementation activities by geophysical surveying and/or by initial soil removal down to 2 feet bgs. Additional soil removal was conducted in selected areas to a depth of 5 feet bgs, to remove soil associated with confirmation samples exceeding soil remediation goals (SRGs).**
GPS Coordinates: **E1796851.34, N269173.67**

Sampling Information:

Sampling Warranted?: **No**
Sampling Description/Notes: **N/A**
Sampling Type: **N/A**
Sample ID Number(s): **N/A**
Analyses: **N/A**

Photo 1-Looking North

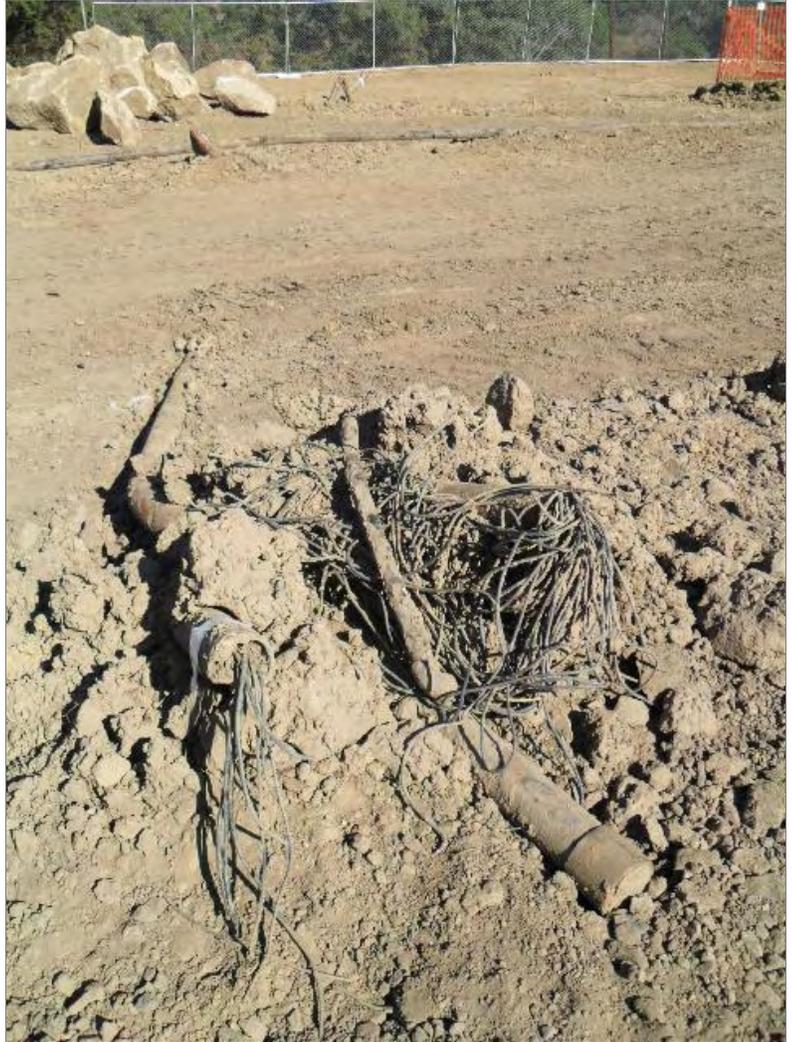


Photo 2-Looking North



Building Feature Documentation Log
Feature Number: B1-2-009
Santa Susana Field Laboratory, Ventura County, California

Photo 3-Looking Northwest



Building Feature Documentation Log
Feature Number: B1-2-010
Santa Susana Field Laboratory, Ventura County, California

Feature Description:

Feature Type: **Pipeline: Unknown**
Operational Use / Process: **Unknown**
Associated Chemicals: **Unknown**
Discharge: **Unknown**
Size: **4-inch**
Construction Material: **Metal with black, fibrous tape.**
Status: **Partially removed**

Feature Condition:

General Condition: **Intact**
Debris: **No**
Staining: **No**
Odor: **No**
PID Reading: **N/A**
Likelihood of Impact from Feature: **Potential from pipe wrapping.**

Additional Information:

Proximity to Nearest Chemical Use Area: **Within CUA 12 (Equipment Storage - Old Property Yard) and near CUA 3 (JP-4 UST Area)**
Likelihood of Impact from Other Source: **Unlikely**
Comments: **Feature was identified during 2010 ISRA Implementation activities by geophysical surveying and/or by initial soil removal down to 2 feet bgs. Additional soil removal was conducted in selected areas to a depth of 5 feet bgs, to remove soil associated with confirmation samples exceeding soil remediation goals (SRGs).**
GPS Coordinates: **E1796869.74, N269263.49**

Sampling Information:

Sampling Warranted?: **Yes**
Sampling Description/Notes: **Collected sample of pipe wrapping.**
Sampling Type: **Solid**
Sample ID Number(s): **B1SO0005 and ISRA-081710-(7-9)**
Analyses: **PCBs and asbestos. Both not detected.**

Photo 1-Looking Southwest



Building Feature Documentation Log
Feature Number: B1-2-010
Santa Susana Field Laboratory, Ventura County, California

Photo 2-Looking Down



Photo 3-Looking West



Building Feature Documentation Log
Feature Number: B1-2-011
Santa Susana Field Laboratory, Ventura County, California

Feature Description:

Feature Type: **Pipeline: Unknown**
Operational Use / Process: **Unknown**
Associated Chemicals: **Unknown**
Discharge: **Possible, pipeline may be part of test stand drain system to water tank (removed) in northwest B1-2 drainage.**
Size: **3-inch**
Construction Material: **Metal**
Status: **Closed/Inactive**

Feature Condition:

General Condition: **Unknown, majority of pipe buried.**
Debris: **No**
Staining: **No**
Odor: **No**
PID Reading: **N/A**
Likelihood of Impact from Feature: **Unlikely**

Additional Information:

Proximity to Nearest Chemical Use Area: **Within CUA 12 (Equipment Storage - Old Property Yard) and near CUA 2b (Concrete Pad, Drain, and Waste AST)**
Likelihood of Impact from Other Source: **Unlikely**
Comments: **Feature was identified during 2010 ISRA Implementation activities by geophysical surveying and/or by initial soil removal down to 2 feet bgs. Additional soil removal was conducted in selected areas to a depth of 5 feet bgs, to remove soil associated with confirmation samples exceeding soil remediation goals (SRGs).**
GPS Coordinates: **E1796913.96, N269366.48**

Sampling Information:

Sampling Warranted?: **No**
Sampling Description/Notes: **N/A**
Sampling Type: **N/A**
Sample ID Number(s): **N/A**
Analyses: **N/A**

Photo 1-Looking Southwest



Building Feature Documentation Log
Feature Number: B1-2-012
Santa Susana Field Laboratory, Ventura County, California

Feature Description:

Feature Type: **Pipeline: Unknown**
Operational Use / Process: **Unknown**
Associated Chemicals: **Unknown**
Discharge: **Possible, pipeline may be part of test stand drain system to water tank (removed) in northwest B1-2 drainage.**
Size: **8-inch**
Construction Material: **Metal**
Status: **Closed/Inactive**

Feature Condition:

General Condition: **Unknown, majority of pipe buried.**
Debris: **No**
Staining: **No**
Odor: **No**
PID Reading: **N/A**
Likelihood of Impact from Feature: **Unlikely**

Additional Information:

Proximity to Nearest Chemical Use Area: **Within CUA 12 (Equipment Storage - Old Property Yard) and near CUA 2b (Concrete Pad, Drain, and Waste AST)**
Likelihood of Impact from Other Source: **Unlikely**
Comments: **Feature was identified during 2010 ISRA Implementation activities by geophysical surveying and/or by initial soil removal down to 2 feet bgs. Additional soil removal was conducted in selected areas to a depth of 5 feet bgs, to remove soil associated with confirmation samples exceeding soil remediation goals (SRGs).**
GPS Coordinates: **E1796921.67, N269365.65**

Sampling Information:

Sampling Warranted?: **No**
Sampling Description/Notes: **N/A**
Sampling Type: **N/A**
Sample ID Number(s): **N/A**
Analyses: **N/A**

Photo 1-Looking Southwest

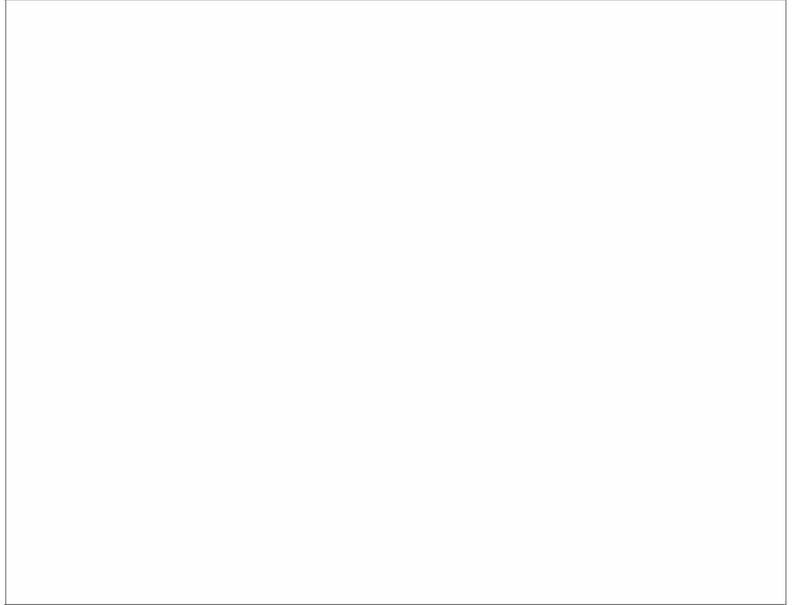


Photo 2-Looking Down



Building Feature Documentation Log
Feature Number: B1-2-012
Santa Susana Field Laboratory, Ventura County, California

Photo 3-



Building Feature Documentation Log
Feature Number: B1-2-013
Santa Susana Field Laboratory, Ventura County, California

Feature Description:

Feature Type: **Pipeline: Drain**
Operational Use / Process: **Water conveyance**
Associated Chemicals: **None**
Discharge: **Yes**
Size: **12-inch**
Construction Material: **Metal (CMP)**
Status: **Partially removed**

Feature Condition:

General Condition: **Intact**
Debris: **No**
Staining: **No**
Odor: **No**
PID Reading: **N/A**
Likelihood of Impact from Feature: **Unlikely**

Additional Information:

Proximity to Nearest Chemical Use Area:
Near CUA 12 (Equipment Storage - Old Property Yard)
Likelihood of Impact from Other Source:
Unlikely
Comments: **Feature was identified during 2010 ISRA Implementation activities by geophysical surveying and/or by initial soil removal down to 2 feet bgs. Additional soil removal was conducted in selected areas to a depth of 5 feet bgs, to remove soil associated with confirmation samples exceeding soil remediation goals (SRGs).**
GPS Coordinates: **E1796850.09, N269284.35**

Sampling Information:

Sampling Warranted?: **No**
Sampling Description/Notes: **N/A**
Sampling Type: **N/A**
Sample ID Number(s): **N/A**
Analyses: **N/A**

Photo 1-Looking North



Photo 2-Looking North



Building Feature Documentation Log
Feature Number: B1-2-014
Santa Susana Field Laboratory, Ventura County, California

Feature Description:

Feature Type: Pipeline: Unknown
Operational Use / Process: Unknown
Associated Chemicals: Unknown
Discharge: Unknown
Size: 2-1/4-inch
Construction Material: Metal
Status: Partially removed

Feature Condition:

General Condition: Intact
Debris: No
Staining: No
Odor: No
PID Reading: N/A
Likelihood of Impact from Feature: Unlikely

Additional Information:

Proximity to Nearest Chemical Use Area:
Within CUA 12 (Equipment Storage - Old Property Yard) and near CUA 2a (Jet Engine Test Stand 4)

Likelihood of Impact from Other Source:
Unlikely

Comments: Feature was identified during 2010 ISRA Implementation activities by geophysical surveying and/or by initial soil removal down to 2 feet bgs.

GPS Coordinates: E1796943.23, N269312.85

Sampling Information:

Sampling Warranted?: No
Sampling Description/Notes: N/A
Sampling Type: N/A
Sample ID Number(s): N/A
Analyses: N/A

Photo 1-Looking Down



Photo 2-Looking South



Building Feature Documentation Log
Feature Number: B1-2-014
Santa Susana Field Laboratory, Ventura County, California

Photo 3-Looking Southeast



Building Feature Documentation Log
Feature Number: B1-2-015
Santa Susana Field Laboratory, Ventura County, California

Feature Description:

Feature Type: **Pipeline: Unknown**
Operational Use / Process: **Unknown**
Associated Chemicals: **Unknown**
Discharge: **Unknown**
Size: **4-inch**
Construction Material: **Metal with black pipe wrapping**
Status: **Partially removed**

Feature Condition:

General Condition: **Intact**
Debris: **No**
Staining: **No**
Odor: **No**
PID Reading: **N/A**
Likelihood of Impact from Feature: **Potential from pipe wrapping.**

Additional Information:

Proximity to Nearest Chemical Use Area: **Within CUA 12 (Equipment Storage - Old Property Yard) and near CUA 4b (transformer)**
Likelihood of Impact from Other Source: **Unlikely**
Comments: **Feature was identified during 2010 ISRA Implementation activities by geophysical surveying and/or by initial soil removal down to 2 feet bgs. Additional soil removal was conducted in selected areas to a depth of 5 feet bgs, to remove soil associated with confirmation samples exceeding soil remediation goals (SRGs).**
GPS Coordinates: **E 1796873.89, N 269283.55**

Sampling Information:

Sampling Warranted?: **Yes**
Sampling Description/Notes: **Collected sample of pipe wrapping.**
Sampling Type: **Solid**
Sample ID Number(s): **B1S00001 and ISRA-081310-(1-3)**
Analyses: **PCBs and asbestos. Both not detected.**

Photo 1-Looking Southwest



Photo 2-Looking West



Building Feature Documentation Log
Feature Number: B1-2-015
Santa Susana Field Laboratory, Ventura County, California

Photo 3-Looking West



Building Feature Documentation Log
Feature Number: B1-2-016
Santa Susana Field Laboratory, Ventura County, California

Feature Description:

Feature Type: Pipeline: Unknown
Operational Use / Process: Unknown
Associated Chemicals: Unknown
Discharge: Unknown
Size: 2-inch
Construction Material: Metal with black pipe wrapping
Status: Partially removed

Feature Condition:

General Condition: Intact
Debris: No
Staining: No
Odor: No
PID Reading: N/A
Likelihood of Impact from Feature: Potential from pipe wrapping.

Additional Information:

Proximity to Nearest Chemical Use Area: Within CUA 12 (Equipment Storage - Old Property Yard) and near CUA 4b (transformer)
Likelihood of Impact from Other Source: Unlikely
Comments: Feature was identified during 2010 ISRA Implementation activities by geophysical surveying and/or by initial soil removal down to 2 feet bgs. Additional soil removal was conducted in selected areas to a depth of 5 feet bgs, to remove soil associated with confirmation samples exceeding soil remediation goals (SRGs).
GPS Coordinates: E1796878.28, N269280.49

Sampling Information:

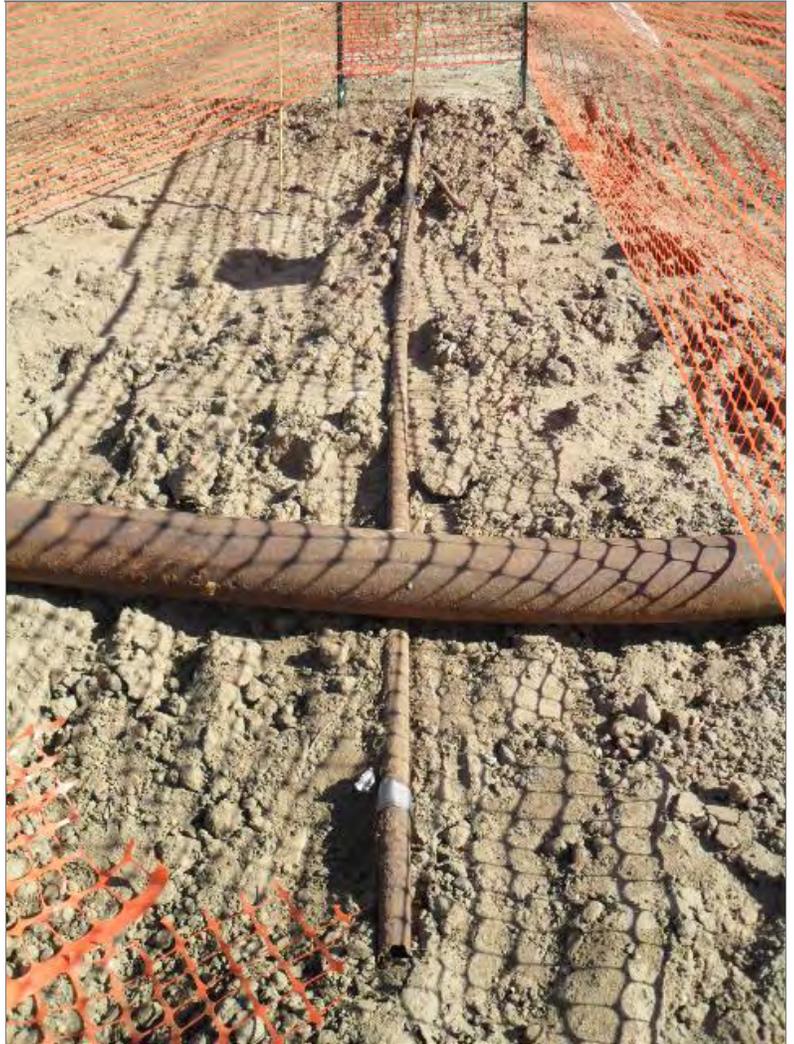
Sampling Warranted?: Yes
Sampling Description/Notes: Collected sample of pipe wrapping.
Sampling Type: Solid
Sample ID Number(s): B1S00002 and ISRA-081710-(1-3)
Analyses: PCBs and asbestos. Both not detected.

Photo 1-Looking Down



Building Feature Documentation Log
Feature Number: B1-2-016
Santa Susana Field Laboratory, Ventura County, California

Photo 2-Looking Southwest



Building Feature Documentation Log
Feature Number: B1-2-017
Santa Susana Field Laboratory, Ventura County, California

Feature Description:

Feature Type: Pipeline: Unknown
Operational Use / Process: Unknown
Associated Chemicals: Unknown
Discharge: Unknown
Size: 3-inch
Construction Material: Metal
Status: Partially removed

Feature Condition:

General Condition: Intact
Debris: No
Staining: No
Odor: No
PID Reading: N/A
Likelihood of Impact from Feature: Unlikely

Additional Information:

Proximity to Nearest Chemical Use Area:
Adjacent to CUA 12 (Equipment Storage - Old Property Yard) and near CUA 2b (Concrete Pad, Drain, and Waste AST)
Likelihood of Impact from Other Source:
Unlikely
Comments: Feature was identified during 2010 ISRA Implementation activities by geophysical surveying and/or by initial soil removal down to 2 feet bgs.
GPS Coordinates: E1796891.59, N269350.718

Sampling Information:

Sampling Warranted?: No
Sampling Description/Notes: N/A
Sampling Type: N/A
Sample ID Number(s): N/A
Analyses: N/A

Photo 1-

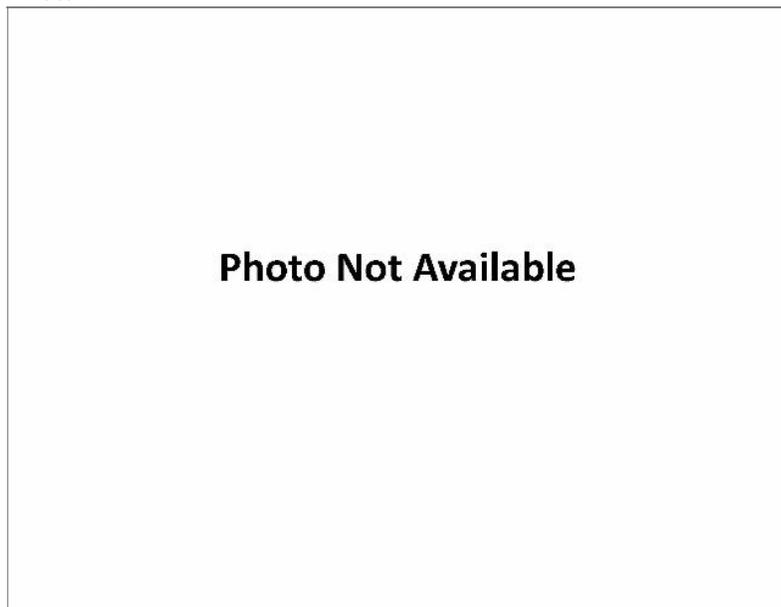
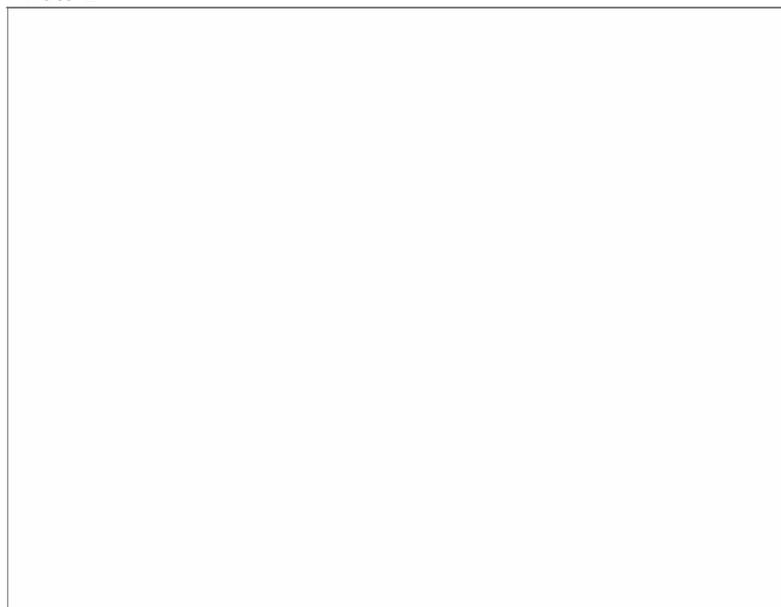
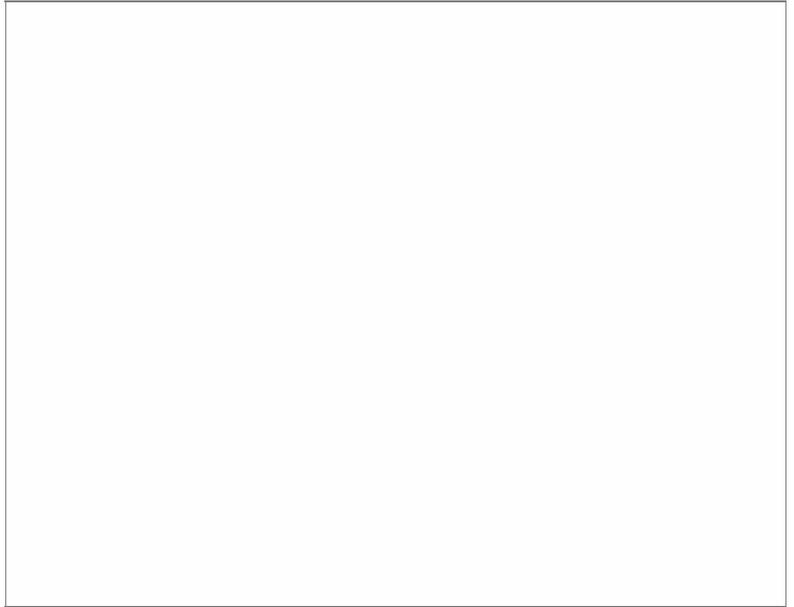


Photo 2-



Building Feature Documentation Log
Feature Number: B1-2-017
Santa Susana Field Laboratory, Ventura County, California

Photo 3-



Building Feature Documentation Log
Feature Number: B1-2-018
Santa Susana Field Laboratory, Ventura County, California

Feature Description:

Feature Type: **Pipeline: Drain**
Operational Use / Process: **Water conveyance**
Associated Chemicals: **None**
Discharge: **Yes, discharged into the culvert at the southwest side of the B1-2 drainage.**
Size: **12-inch**
Construction Material: **Metal (CMP)**
Status: **Partially removed**

Feature Condition:

General Condition: **Intact**
Debris: **No**
Staining: **No**
Odor: **No**
PID Reading: **N/A**
Likelihood of Impact from Feature: **Unlikely**

Additional Information:

Proximity to Nearest Chemical Use Area: **Within CUA 12 (Equipment Storage - Old Property Yard) and near CUA 3 and 4c (JP-4 UST Area and transformer, respectively)**
Likelihood of Impact from Other Source: **Unlikely**
Comments: **Feature was identified during 2010 ISRA Implementation activities by geophysical surveying and/or by initial soil removal down to 2 feet bgs. Additional soil removal was conducted in selected areas to a depth of 5 feet bgs, to remove soil associated with confirmation samples exceeding soil remediation goals (SRGs).**
GPS Coordinates: **E1796809.49, N269227.81**

Sampling Information:

Sampling Warranted?: **No**
Sampling Description/Notes: **N/A**
Sampling Type: **N/A**
Sample ID Number(s): **N/A**
Analyses: **N/A**

Photo 1-Looking Down



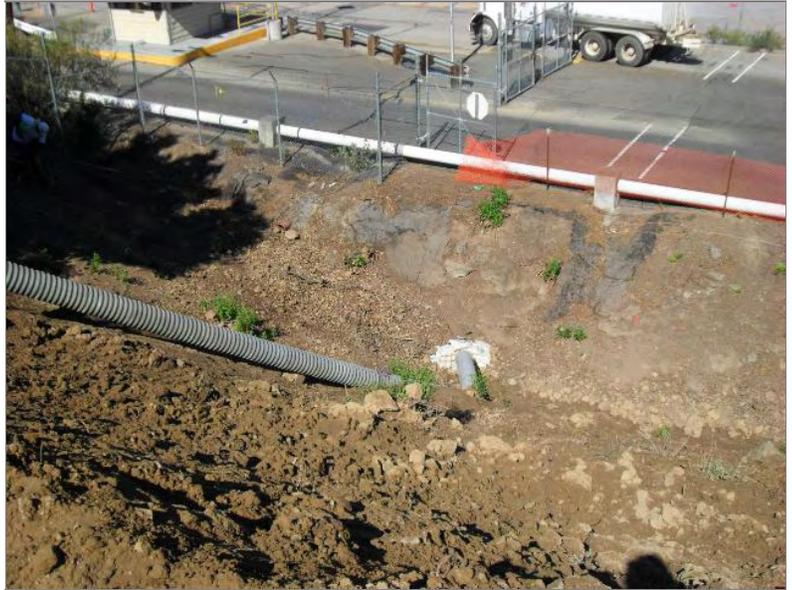
Building Feature Documentation Log
Feature Number: B1-2-018
Santa Susana Field Laboratory, Ventura County, California

Photo 2-Looking East



Building Feature Documentation Log
Feature Number: B1-2-018
Santa Susana Field Laboratory, Ventura County, California

Photo 3-Looking Southwest



Building Feature Documentation Log
Feature Number: B1-2-019
Santa Susana Field Laboratory, Ventura County, California

Feature Description:

Feature Type: **Pipeline: Unknown**
Operational Use / Process: **Unknown**
Associated Chemicals: **Unknown**
Discharge: **Unknown**
Size: **1-1/2-inch**
Construction Material: **Metal with black pipe wrapping**
Status: **Partially removed**

Feature Condition:

General Condition: **Intact**
Debris: **No**
Staining: **No**
Odor: **No**
PID Reading: **N/A**
Likelihood of Impact from Feature: **Potential from pipe wrapping**

Additional Information:

Proximity to Nearest Chemical Use Area: **Within CUA 12 (Equipment Storage - Old Property Yard) and CUA 1c (Jet Engine test Stand 3)**
Likelihood of Impact from Other Source: **Unlikely**
Comments: **Feature was identified during 2010 ISRA Implementation activities by geophysical surveying and/or by initial soil removal down to 2 feet bgs. Additional soil removal was conducted in selected areas to a depth of 5 feet bgs, to remove soil associated with confirmation samples exceeding soil remediation goals (SRGs).**
GPS Coordinates: **E1796915.46, N269239.95**

Sampling Information:

Sampling Warranted?: **Yes**
Sampling Description/Notes: **Collected sample of pipe wrapping.**
Sampling Type: **Solid**
Sample ID Number(s): **B1S00007**
Analyses: **PCBs: PCB-1260 - 0.640 mg/kg (4.6 x HH RBSL, 8.2 x Eco RBSL).**

Photo 1-Looking Southeast



Photo 2-Looking Southeast

