

Demolition and disposal of structures in the nuclear area at Santa Susana Field Laboratory

Ethan Miska

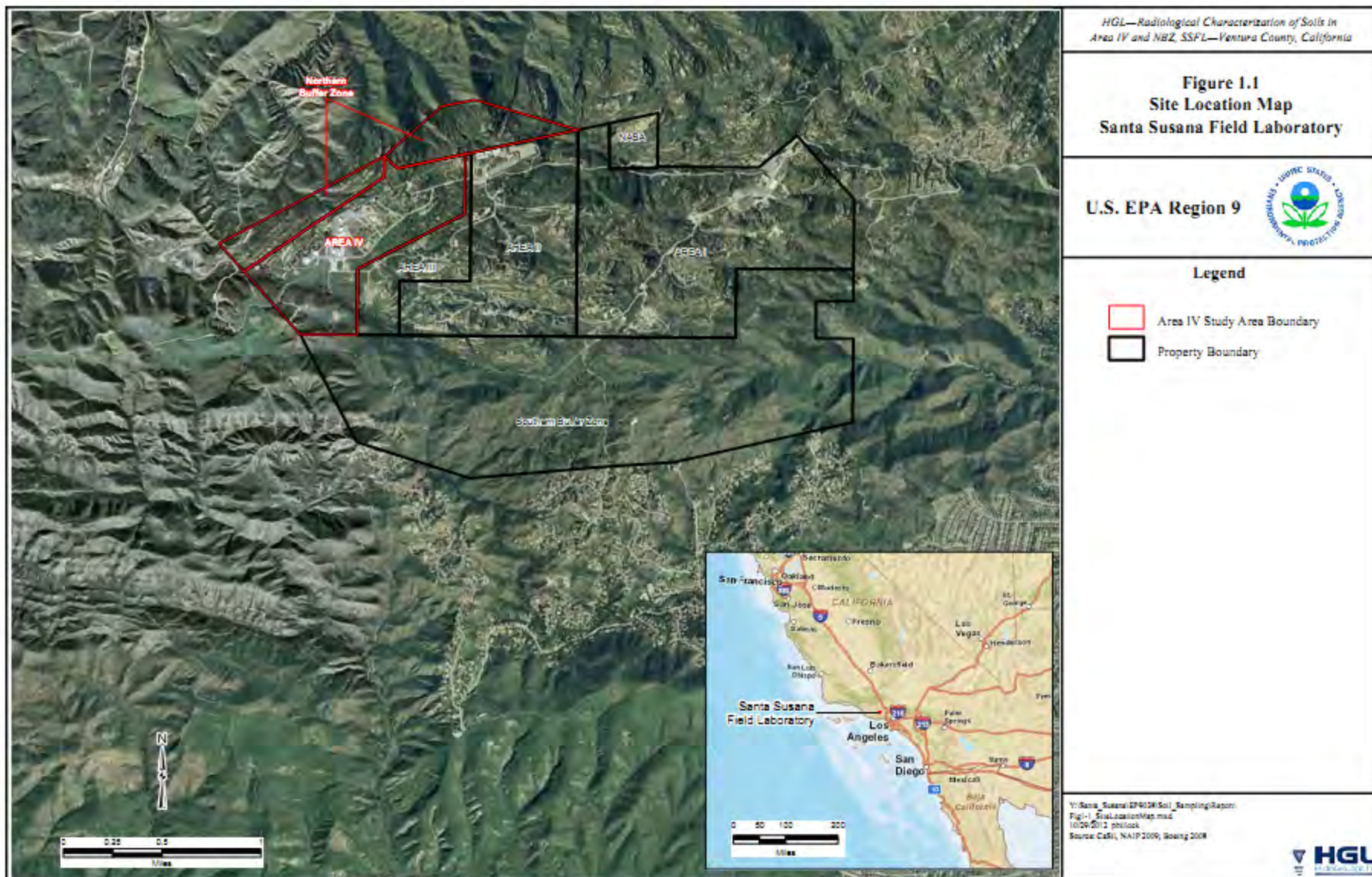
5 February, 2014

Area IV, Santa Susana Field Laboratory



June 22, 2013 by William Preston Bowling

Overview of contamination at SSFL



Demolition project



What kinds of structures were disposed of
in landfills and/or sent to recycling
facilities?

L-85



Relevant Site Information:

- Reactor fuel for the L-85/AE-6 reactor consisted of U-235 (93.11% enrichment), dissolved as uranyl sulfate in 12.5l of 0.35 molar H_2SO_4 solution.³ The radionuclides of concern are Co-60, Cs-137, Eu-152, Eu-154, Sr-90, U-238 and U-235.
- There have been three incidents associated with Building 4093 that may have resulted in a release to the environment:
 - On March 25, 1959, fission gas was released into the air, contaminating part of the high bay and employees. Contamination levels were measured from 7.5 mR/hr to 13 mR/hr (A0275).
 - On July 30, 1982, rinse water contaminated with 5 ml of U-235 was spilled during the fuel draining operation, contaminating an employee and an area of the high bay floor. The area was partially decontaminated at the time and fully decontaminated during facility decommissioning (A0106).
 - On May 24, 1995, a radioactive high efficiency particulate air (HEPA) filter was found in a pile of debris. The filter was taken to RMHF, where it was packaged for disposal as low-level radioactive waste (A0661).



ESADA (Empire State Atomic Development Associates)

	Location	Sample ID	Analyzing Laboratory	Activity
Cesium-137 (Continued)				
Former Sodium Disposal Facility	8N-00082	40156	GEL	0.197
4056 Landfill	8N-00137	40253	GEL	0.878
Empire State Atomic Development Association	8N-00199	40446	GEL	0.206
Radioactive Materials Handling Facility Leach Field	7-00258	70467	GEL	0.502
Empire State Atomic Development Association	8N-00006	40011	GEL	0.535
Empire State Atomic Development Association	8N-00014	40027	GEL	0.957
Empire State Atomic Development Association	8N-00029	40057	GEL	1.41
Empire State Atomic Development Association	8N-00035	40069	GEL	1.08
Empire State Atomic Development Association	8N-00036	40071	GEL	0.449
Empire State Atomic Development Association	8N-00039	40077	GEL	2.34 J
Outfall 3	OF03-003	OF03-003-SB-39-H	TAL	0.397
Empire State Atomic Development Association	8N-00003	40006	GEL	0.584
Empire State Atomic Development Association	8N-00015	40030	GEL	0.51
Empire State Atomic Development Association	8N-00028	40056	GEL	2.51 J
Empire State Atomic Development Association	8N-00050	40092	GEL	1.01
Building 4100	8N-00129	40201	GEL	0.534
Empire State Atomic Development Association	8N-00205	40393	GEL	0.628
Subarea 8-South	8S-00011	40301	GEL	1.5

Building 4055



Operational Use/History:

- Constructed in 1967.¹
- From 1968-69, NMDF was used to support the Fast Flux Test Facility through analytical chemistry and research for uranium-plutonium scrap pellet recycling programs. Fission research on microscopic dispersion of tungsten in uranium plutonium fuel was also conducted at that time.¹
- For seven months in 1970, the NMDF fabricated mixed uranium-plutonium oxide pellets for irradiation tests.
- The NMDF was in standby from September 1970 until March 1974. NMDF was activated to participate in the Advanced Fuel Systems Program for liquid metal fast breeder reactors and to demonstrate reduced transuranic (TRU) solid waste with the use of a molten salt combustor.¹

Relevant Site Information:

- The primary special nuclear materials handled in the NMDF were plutonium and uranium. Accordingly the contaminants of concern are U, Pu, and their decay and daughter products, primarily Am-241.¹
- A number of incidents may have resulted in releases to the environment:
 - On June 26, 1973, there was a glove box controller failure of the pressurized box, releasing contamination to the area (A0222).
 - On December 21, 1977, a contaminated roll of green tape was discovered in the glove box room. A low level of alpha activity was discovered on the bench underneath the tape and was contained. No other contamination was found (A0224).
 - On May 10, 1978, a lost seal during the replacement of a rubber glove with a plastic bag caused loss of vacuum in a glove box. Contamination was subsequently discovered on the outside window area (A0335).
 - On June 15, 1978, an employee compacted radioactive waste in a compactor reserved for non-radioactive "suspect" waste. Although compacting radioactive waste may have generated high airborne activity, the compactor had a filter that minimized the release of such contamination to the building (A0071).
 - On June 30, 1978, it was discovered that a stack monitor vacuum line had not been monitored for 23 days. Air samples indicated that activity levels were twice the normal level (A0225).
 - On July 21, 1978, it was discovered that a stack monitor in the plutonium facility was out of service for 84 hours due to an electrical failure. Airflow through a filter was maintained and no uncontrolled release of material occurred (A0226).
 - On July 24, 1978, floor contamination was found in the waste handling area. This contamination was assumed to have been caused by leakage from a stored waste container although none of the containers had external contamination (A0073).
 - On June 26, 1979, airborne activity was released during maintenance of glove box. After decontamination, no detectable contamination remained

um pump stopped working. There
aminants (A0081).

1 pump failed, resulting in the failure
Samples indicated no release of

Building 4005




Relevant Site Information:

- Radioactive material in the form of depleted and enriched uranium was managed at this facility.² Accordingly, the contaminant of concern for Building 4005 is uranium.
- During operation as the Uranium Carbide Fuel Pilot Plant, considerable difficulties were experienced with the air exhaust system scrubbers and filters, including a fire in 1967. Radiological contamination was restricted to the exhaust ducts.²
- There have been several incidents associated with Building 4005 that could have resulted in a release to the environment:
 - In January 30, 1967, a uranium fire occurred in a retention tank of a vacuum system. Tank ducting was burned through, allowing a release of contaminated smoke to the building. No release outside the building was thought to have occurred (A0606).
 - On August 8, 1991, contaminated oil dripped from a radioactive exhaust duct, contaminating a concrete pad. The total activity for the spill was


Buildings 4701 and 4702



<div>  RADIATION SURVEY REPORT </div>					FACILITY: Area IV			
					LOCATION: Site water tanks - exterior			
LOCATION NUMBER	DATE SAMPLED	DATE MONITORED	PURPOSE: Pre-demolition survey	UNITS	Alpha Removable	Beta Removable	Alpha Total	Beta Total
					dpm/100 cm ²	dpm/100 cm ²	dpm/100 cm ²	dpm/100 cm ²
			LOCATON/OBJECT DESCRIPTION	LIMITS	< 20	< 100	< 100 (< 5,000)	< 1,000 (< 5,000)
1	5/3/2012	5/3/2012	side of small water tank		< 20	< 100	0	0
2	5/3/2012	5/3/2012			< 20	< 100	30	64
3	5/3/2012	5/3/2012			< 20	< 100	0	410
4	5/3/2012	5/3/2012			< 20	< 100	117	600
5	5/3/2012	5/3/2012			< 20	< 100	0	64
6	5/3/2012	5/3/2012	top of pipe tee		< 20	< 100	0	314
7	5/3/2012	5/3/2012	inside pipe-cut from small tank		< 20	< 100	0	0
8	5/3/2012	5/3/2012	on support		< 20	< 100	135	0
9	5/3/2012	5/3/2012	outside pipe from large water tank		< 20	< 100	74	433
10	5/3/2012	5/3/2012	outside pipe from large water tank		< 20	< 100	0	171
11	5/3/2012	5/3/2012	on support		< 20	< 100	0	90
12	5/3/2012	5/3/2012	on support		< 20	< 100	178	245
13	5/3/2012	5/3/2012	outside pipe from large water tank		< 20	< 100	74	0
14	5/3/2012	5/3/2012	outside pipe from large water tank		< 20	< 100	30	287
15	5/3/2012	5/3/2012	on support		< 20	< 100	70	543
16	5/3/2012	5/3/2012	on support		< 20	< 100	91	0
17	5/3/2012	5/3/2012	rusty pipe at large water tank		< 20	< 100	313	529
18	5/3/2012	5/3/2012	brace pad - rusty		< 20	< 100	0	0
19	5/3/2012	5/3/2012	on support		< 20	< 100	135	0
20	5/3/2012	5/3/2012	rusty pipe at large water tank		< 20	< 100	291	195
COMMENTS: MDA = minimum detectable activity				INSTRUMENT	Tennelec ¹		Ludlum 2224 & 43-89 ²	


ESADA



<div>  RADIATION SURVEY REPORT </div>					FACILITY: Area IV B4314, B4814, B4730			
					LOCATION: slabs, pads, drive & lot			
					Alpha Removable	Beta Removable	Alpha Total	
LOCATION NUMBER	DATE SAMPLED	DATE MONITORED	PURPOSE: pre-demolition survey	UNITS	dpm/100 cm ²	dpm/100 cm ²	dpm/100 cm ²	
			LOCATON/OBJECT DESCRIPTION	LIMITS	< 20	< 100	< 100 (< 5,000)	<
21	10/10/2012	10/12/2012	drive		< 20	< 100	0	
22	10/10/2012	10/12/2012	↓		< 20	< 100	0	
23	10/10/2012	10/12/2012	↓		< 20	< 100	0	
24	10/10/2012	10/12/2012	↓		< 20	< 100	0	
25	10/10/2012	10/12/2012	↓		< 20	< 100	0	
26	10/10/2012	10/12/2012	pad		< 20	< 100	0	
27	10/10/2012	10/12/2012	↓		< 20	< 100	0	
28	10/10/2012	10/12/2012	↓		< 20	< 100	0	
29	10/10/2012	10/12/2012	↓		< 20	< 100	0	
30	10/10/2012	10/12/2012	↓		< 20	< 100	0	
31	10/10/2012	10/12/2012	↓		< 20	< 100	0	
32	10/10/2012	10/12/2012	bed plate		< 20	< 100	286	
33	10/10/2012	10/12/2012	pad		< 20	< 100	0	
34	10/10/2012	10/12/2012	pad		< 20	< 100	0	
35	10/10/2012	10/12/2012	walk		< 20	< 100	0	


Weather Station



<div>  RADIATION SURVEY REPORT </div>					FACILITY: Area IV			
					LOCATION: Weather station			
					Alpha Removable	Beta Removable	Alpha Total	
LOCATION NUMBER	DATE SAMPLED	DATE MONITORED	PURPOSE: pre-demolition survey	UNITS	dpm/100 cm ²	dpm/100 cm ²	dpm/100 cm ²	
			LOCATON/OBJECT DESCRIPTION	LIMITS	< 20	< 100	< 100 (< 5,000)	< 1
59	6/14/2012	6/15/2012	transformer		< 20	< 100	0	
60	6/14/2012	6/15/2012	controller		< 20	< 100	0	
61	6/14/2012	6/15/2012	controller		< 20	< 100	0	
62	6/14/2012	6/15/2012	transformer		< 20	< 100	0	
63	6/14/2012	6/15/2012	shed wall		< 20	< 100	0	
64	6/14/2012	6/15/2012			< 20	< 100	0	
65	6/14/2012	6/15/2012			< 20	< 100	0	
66	6/14/2012	6/15/2012			< 20	< 100	0	
67	6/14/2012	6/15/2012	shed roof		< 20	< 100	0	
68	6/14/2012	6/15/2012	shed floor		< 20	< 100	0	
69	6/14/2012	6/15/2012	pad		< 20	< 100	104	
70	6/14/2012	6/15/2012			< 20	< 100	39	
71	6/14/2012	6/15/2012			< 20	< 100	39	
72	6/14/2012	6/15/2012			< 20	< 100	39	
73	6/14/2012	6/15/2012			< 20	< 100	0	
74	6/14/2012	6/15/2012	equipment stand		< 20	< 100	100	
75	6/14/2012	6/15/2012	pad		< 20	< 100	0	
76	6/14/2012	6/15/2012			< 20	< 100	17	
77	6/14/2012	6/15/2012			< 20	< 100	104	
78	6/14/2012	6/15/2012			< 20	< 100	17	

Building 4011



 RADIATION SURVEY REPORT					FACILITY: Area IV B4011			
					LOCATION: Lot, drives & pads #4			
					Alpha Removable	Beta Removable	Alpha Total	
LOCATION NUMBER	DATE SAMPLED	DATE MONITORED	PURPOSE: pre-demolition survey	UNITS	dpm/100 cm ²	dpm/100 cm ²	dpm/100 cm ²	d
			LOCATON/OBJECT DESCRIPTION	LIMITS	< 20	< 100	< 100 (< 5,000)	< 1,
1	9/14/2012	9/17/2012	pad		< 20	< 100	67	
2	9/14/2012	9/17/2012	drive		< 20	< 100	0	
3	9/14/2012	9/17/2012	walk		< 20	< 100	0	
4	9/14/2012	9/17/2012	↓		< 20	< 100	268	
5	9/14/2012	9/17/2012	↓		< 20	< 100	45	
6	9/14/2012	9/17/2012	gutter drain block		< 20	< 100	0	
7	9/14/2012	9/17/2012	walk		< 20	< 100	0	

					Alpha Removable	Beta Removable	Alpha Total	Beta Total
LOCATION NUMBER	DATE SAMPLED	DATE MONITORED	PURPOSE: pre-demolition survey	UNITS	dpm/100 cm ²	dpm/100 cm ²	dpm/100 cm ²	dpm/100 cm ²
			LOCATON/OBJECT DESCRIPTION	LIMITS	< 20	< 100	< 100 (< 5,000)	< 1,000 (< 5,000)
21	8/31/2012	8/31/2012	loading dock - rusty		< 20	< 100	0	111
22	8/31/2012	8/31/2012	↓		< 20	< 100	0	176
23	8/31/2012	8/31/2012	↓		< 20	< 100	0	296
24	8/31/2012	8/31/2012	wood table		< 20	< 100	0	1059
25	8/31/2012	8/31/2012	lot		< 20	< 100	0	0
26	8/31/2012	8/31/2012	flat table float basin		< 20	< 100	36	385
27	8/31/2012	8/31/2012	dock edge		< 20	< 100	0	428
28	8/31/2012	8/31/2012	lot		< 20	< 100	0	202
29	8/31/2012	8/31/2012	↓		< 20	< 100	0	0
25	9/14/2012	9/17/2012	↓		< 20	< 100	0	0
26	9/14/2012	9/17/2012	pad		< 20	< 100	0	0
27	9/14/2012	9/17/2012	lot		< 20	< 100	112	0
28	9/14/2012	9/17/2012	lot		< 20	< 100	0	0
29	9/14/2012	9/17/2012			< 20	< 100	112	0
30	9/14/2012	9/17/2012			< 20	< 100	0	0
31	9/14/2012	9/17/2012			< 20	< 100	0	0
32	9/14/2012	9/17/2012			< 20	< 100	0	0

WHERE DID IT ALL GO?

□

- 1153 tons were disposed of in Class I landfills designed only for chemical, not radioactive waste
- 568 tons were disposed of in Class II landfills, designed for industrial, not radioactive waste, and
- 242 tons were disposed of in Class III landfills, regular municipal trash dumps

□

- 493 tons of metal were recycled into the commercial metal supply
- 2432 tons of asphalt and concrete were sent for recycling

Buttonwillow, CA

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number CAD093365435	2. Page 1 of 1	3. Emergency Response Phone 800-624-6300	4. Waste Tracking Number X9835
5. Generator's Name and Mailing Address THE BOEING CO. 5800 WOOLSEY CANYON ROAD SUN VALLEY, CA 93063			Generator's Site Address (if different than mailing address) 5800 WOOLSEY CANYON ROAD (MC T467) CANYON PARK, CA 91504-1148		
Generator's Phone 515-465-8089					
6. Transporter 1 Company Name MP ENVIRONMENTAL SERVICES			U.S. EPA ID Number CAT000624247		
7. Transporter 2 Company Name			U.S. EPA ID Number		
8. Designated Facility Name and Site Address CLEAN HARBORS 2500 WEST LOOKERN ROAD BUTTONWILLOW, CA 93206			U.S. EPA ID Number		
Facility's Phone (805) 762-7372			CAD090675276		
9. Waste Shipping Name and Description		10. Containers		11. Total Quantity	12. UNB
		No.	Type	Quantity	WT/Vol
1. NON HAZARDOUS, NON D.O.T. REGULATED MATERIAL (SMF00318-00)		1	DT	43620	P
2.					
3.					
4.					
13. Special Handling Instructions and Additional Information Site Manifest # 512320 1. SMF00318-00/1000 2. SMF00318-00/1000, CHEMTRICE CON22115 Handle as (decontaminated) waste per SMF: dispose of in Class I cell. Exempt 23.29 per Kevin Ruddick 3/19/13					
14. GENERATOR/SHIPPER'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.					
Generator's Official Printed Name KEVIN RUDDICK		Signature <i>Kevin Ruddick</i>		Month Day Year 3 19 13	
15. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.		Part of entry/exit date leaving U.S.			
Transporter's Signature (for exports only)					
16. Transporter Acknowledgment of Receipt of Materials					
Transporter 1 Printed Name JUAN ZEPEDA		Signature <i>Juan Zepeda</i>		Month Day Year 3 19 13	
Transporter 2 Printed Name		Signature		Month Day Year	

Class I Landfill:	Buttonwillow
Class II Landfill:	McKittrick
Class III Landfills:	Azusa, and Lancaster

Simi Valley, CA

P.W. GILLIBRAND Co. Inc.
Specialty Products

P.O. Box 1019 • Simi Valley, CA 93062-1019
 5810 Bennett Road (Plant Address) • Simi Valley, CA 93063
 (805) 526-2195 Corporate Office • (805) 520-8720 Plant Office

SHIPPING TICKET

WEIGHTS: Driver weight included on both tare and gross weights.

SHIPPING TICKET NUMBER	221332
DATE	11/28/12 08:09

CUSTOMER BILL TO:	CUSTOMER SHIP TO: (JOBSITE ADDRESS)
M P ENVIRONMENTAL SERVICES, INC. P.O. BOX 80358 BAKERSFIELD CA 93308	FOB

ORDER DATE	ORDERED BY	CUSTOMER P.O. NUMBER	REQ'D DEL. TIME
11/27/12			07:56

ORDER NO.	QUALITY CONTROL NUMBER	JOBSITE PHONE NUMBER	PLANT NUMBER	TIME IN
10			69 Dump Plant	

TRUCK NO.	LOAD NO.	CONTRACT HAULER	TIME OUT
03	1	MP ENVIRONMENTAL	

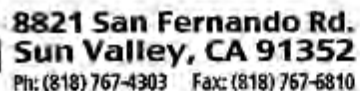
TON MILES	TRUCK ZONE	TRUCK LICENSE NUMBER	GROSS	TARE	NET TONS
	01A1	9886265	1.00	0.00	1.00

PROD CODE	PRODUCT DESCRIPTION	THIS HAUL	QTY ON JOB	ORDER QTY	UOM	UNIT PRICE	EXT. PRICE
99DUMP	DUMP FEES PER LOAD-TRUCK	1.00	1.00	5.00	Each		
					Previous Total		

DELIVERY INSTRUCTIONS	SUB TOTAL
	TAX
	TOTAL

WEIGHMASTER SIGNATURE	TEO, MIKE
DRIVER SIGNATURE X	Oscars H.
AUTHORIZED CUSTOMER SIGNATURE	

□



**8821 San Fernando Rd.
Sun Valley, CA 91352**
Ph: (818) 767-4303 Fax: (818) 767-6810

Purchase Ticket #	11982
Purchase Date	11/29/12
Currency	US Dollar

Purchase Ticket #	11982
Purchase Date	11/29/12
Currency	US Dollar

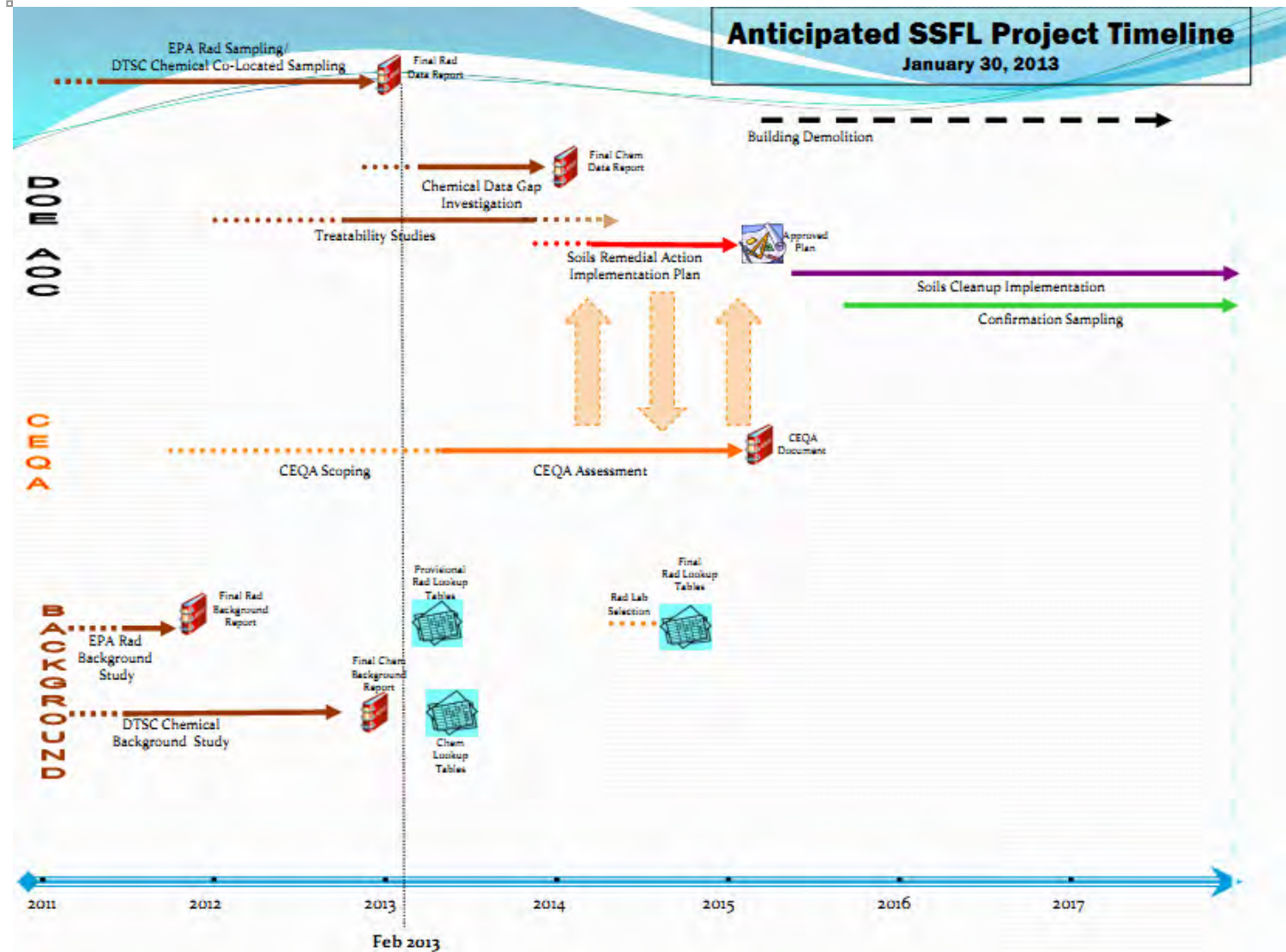
MP Environmental

Account Rep
Mitch

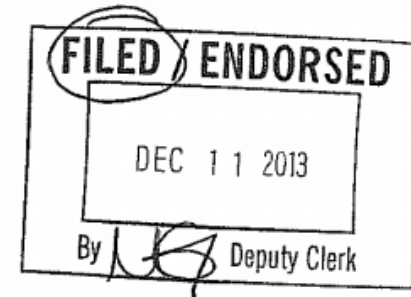
Terms	COD
Payment Due	11/29/12

Item Name	Order #	Gross	Tare	Net	Price	Total
HAULING FEE		3.000	0.000	3.000	Each	
Rec: 11/27/12	WT Ticket #S: 25402					
P & S		74,680.000	32,220.000	42,460.000	LB	
Rec: 11/27/12	WT Ticket #S: 25412					
P & S		74,660.000	32,140.000	42,520.000	LB	
	External Detail ID: 249796					
Rec: 11/28/12	WT Ticket #S: 25451					
P & S		75,580.000	33,280.000	42,300.000	LB	
	External Detail ID: 249795					
Totals:						

Regulation of cleanup activities at Area IV - CEQA



CURRENT SITUATION



SUPERIOR COURT OF CALIFORNIA
COUNTY OF SACRAMENTO

PHYSICIANS FOR SOCIAL
RESPONSIBILITY-LOS ANGELES, et al.

Petitioners,
v.

DEPARTMENT OF TOXIC
SUBSTANCES CONTROL, et al.,

Respondents.

THE BOEING COMPANY, et al.

Real Party in Interest

Case No.: 34-2013-80001589

**ORDER AFTER HEARING GRANTING,
IN PART, MOTION FOR PRELIMINARY
INJUNCTION**

References

- Slide 2: photo by William Preston Bowling, June 22, 2013
- Slide 3: “Final Radiological Characterization of Soils Area IV and the Northern Buffer Zone.” December, 2012. Page 92.
http://www.dtsc-ssfl.com/files/lib_doe_area_iv/epaareaivsurvey/techdocs/65789_Final_Radiological_Characterization_of_Soils_122112.pdf
- Slide 4: “ESADA Post-Demolition Summary Report.” May, 2013. Pages 31, 42.
http://www.dtsc-ssfl.com/files/lib_rcra_soils/BuildingDemo/buildingdemolition/66035_ESADA_post_demo_final.pdf
- “Area IV Water Tanks Post-Demolition Summary Report.” May, 2013. Page 33.
http://www.dtsc-ssfl.com/files/lib_rcra_soils/BuildingDemo/buildingdemolition/66041_water_tank_attachments-final.pdf
- Slide 6: (photo) “Boeing Demolition Notification for Former Radiological L85 Area (Area IV).” February, 2013. Page 9.
http://www.dtsc-ssfl.com/files/lib_rcra_soils/BuildingDemo/buildingdemolition/65921_113161-Notification_of_Planned_Removal_L85_Area.pdf
- (excerpt) “Site Summary – Building 4093.” May, 2005. Pages 2, 3.
http://www.etec.energy.gov/Library/Main/4093_HSA.pdf
- Slide 7: (photo) “ESADA Post-Demolition Summary Report.” May, 2013. Page 48.
http://www.dtsc-ssfl.com/files/lib_rcra_soils/BuildingDemo/buildingdemolition/66035_ESADA_post_demo_final.pdf
- (excerpts) “Final Radiological Characterization of Soils Area IV and the Northern Buffer Zone.” December, 2012. Pages 72, 74, 79, 85.
http://www.dtsc-ssfl.com/files/lib_doe_area_iv/epaareaivsurvey/techdocs/65789_Final_Radiological_Characterization_of_Soils_122112.pdf
- Slide 8: (photo) “Notification for Planned Demolition of Building 4055, Area IV (Part 2).” July, 2013. Page 308.
http://www.dtsc-ssfl.com/files/lib_rcra_soils/BuildingDemo/buildingdemolition/66094_B4055DemoNotificationPart-2B.pdf
- (excerpts) “Site Summary – Building 4055.” May, 2005. Pages 1.2.
http://www.etec.energy.gov/library/main/4055_HSA.pdf

References (continued)

- Slide 9: (photo) “Notification of Planned Removal of former Building 4005 Slab (Area IV) Part 2.” February, 2013. Page 8. http://www.dtsc-ssfl.com/files/lib_rcra_soils/BuildingDemo/buildingdemolition/65976_B4005-B.pdf
(excerpt) “Site Summary – Building 4005.” May, 2005. Page 2. http://www.etec.energy.gov/Library/Main/4005_HSA.pdf
- Slide 10: (photo) “Area IV Water Tanks Post-Demolition Summary Report.” May, 2013. Page 32. http://www.dtsc-ssfl.com/files/lib_rcra_soils/BuildingDemo/buildingdemolition/66041_water_tank_attachments-final.pdf
(excerpt) “Updated Waste Survey for Water Tanks (Area IV).” November, 2012. Pages 8, 9. http://www.dtsc-ssfl.com/files/lib_rcra_soils/BuildingDemo/buildingdemolition/65796_Water_Tanks_Waste_Certification_Rev_1.pdf
- Slide 11: (photo) “ESADA Post-Demolition Summary Report.” May, 2013. Page 37. http://www.dtsc-ssfl.com/files/lib_rcra_soils/BuildingDemo/buildingdemolition/66035_ESADA_post_demo_final.pdf
(excerpt) “Notification of Demolition for ESADA Minor Features (Boeing Area IV).” February, 2013. Page 20. http://www.dtsc-ssfl.com/files/lib_rcra_soils/BuildingDemo/buildingdemolition/65872_113127_ESADA_Demo_Notification.pdf
- Slide 12: (photo) “Weather Station Post-Demolition Summary Report.” May, 2013. Page 25. http://www.dtsc-ssfl.com/files/lib_rcra_soils/BuildingDemo/buildingdemolition/66034_weatherstation_attachments_final.pdf
(excerpt) “Notification of Planned Removal of Minor Structures.” October, 2012. Page 36. http://www.dtsc-ssfl.com/files/lib_rcra_soils/BuildingDemo/buildingdemolition/65736_Notification_of_Planned_Removal_Minor_Structures-112565.pdf
- Slide 13: “Notification of Planned Demolition for a Portion of Boeing Building 4011.” November, 2012. Pages 95, 98, 118, 125, 150, 151, 152. http://www.dtsc-ssfl.com/files/lib_rcra_soils/BuildingDemo/buildingdemolition/65774_112657-B4011_demo_notification.pdf

References (continued)

- Slides 15, 16, 18: “Boeing SSFL Demolition Program 2010 Present.” April, 2013.
http://www.dtsc-ssfl.com/files/lib_rcra_soils/BuildingDemo/buildingdemolition/66061_Boeing_SSFL_Full_Demo_Table_4_14_2013.pdf
- Slide 17: “ESADA Post-Demolition Summary Report.” May, 2013. Page 71.
http://www.dtsc-ssfl.com/files/lib_rcra_soils/BuildingDemo/buildingdemolition/66035_ESADA_post_demo_final.pdf
- Slides 19, 20: “Area IV Water Tanks Post-Demolition Summary Report.” May, 2013. Pages 69, 70.
http://www.dtsc-ssfl.com/files/lib_rcra_soils/BuildingDemo/buildingdemolition/66041_water_tank_attachments-final.pdf
- Slide 21: “Development of the Draft Provisional Radiological Look- Up Table,” Anticipated SSFL Project Timeline. January, 2013.
http://www.dtsc-ssfl.com/files/lib_pub_involve/other_docs/65860_D-Provisional_Rad_LUT_final_1-30-13.pdf
- Slide 22: “Order after hearing granting, in part, motion for preliminary injunction.” December, 2013
<http://committeetobridgethegap.org/wp-content/uploads/2013/12/2013-12-11-Order-After-Hearing-Granting-In-Part-Mtn-for-Preliminary-Injunction.pdf>