

October 30, 2015

Paul Cho, P.G.
Engineering Geologist
California Regional Water Quality Control Board, Site Cleanup Unit III
Los Angeles Region
320 West 4th Street, Suite 200
Los Angeles, CA 90013

Subject: Third Quarter 2015 Progress Report for Onsite Soil Management
Defense Fuel Support Point Norwalk,
15306 Norwalk Boulevard, Norwalk, California (SCP No. 0286A, Site No. 16638)

Dear Mr. Cho:

On behalf of the Defense Logistics Agency - Energy (DLA Energy), The Source Group, Inc. is submitting this *Third Quarter 2015 Progress Report for Onsite Soil Management* at the Defense Fuel Support Point (DFSP) Norwalk site (Figure 1) as requested by the California Regional Water Quality Control Board (Regional Board) in a letter to DLA dated February 26, 2014. The *Onsite Soil Management Plan* was submitted on March 8, 2012, by Parsons; the Regional Board provided comments on April 10, 2012; and Parsons prepared responses that were submitted on May 17, 2012. Final approval from the Regional Board of the *Onsite Soil Management Plan* was included in the February 26, 2014, letter to the DLA.

As requested by the Regional Board, this report, in accordance with the *Onsite Soil Management Plan*, includes details on the impacted soil excavation, disposal, and onsite soil reuse activities. This report supplements on-going reporting on Phases of implementation of the soil remediation tasks at the site that include excavation, stockpiling, treatment and backfilling with associated sampling.

Soil Excavation and Soil Sampling

Excavation and soil sampling activities started on March 17, 2015. A summary of excavation areas, volumes, and sampling is presented on Table 1. Figure 2 illustrates the location of the areas with soil excavation removal completed or in progress as of October 5, 2015. In addition, sampling also included baseline sampling of soil in areas scheduled for treatment, and this sampling is summarized in Table 2.

Tables 3 and 4 present a summary of clean soil stockpiles and soil treatment stockpiles. As further described in the next section, Table 5 summarizes off-site waste disposal.

During this quarter, three individual reports on excavation sampling, stockpile sampling or baseline sampling were prepared ("*Phase 1 Excavations and Stockpile Sampling Report and Request for Authorization to Backfill*") July 15, 2015; "*Phase 2 Stockpiles and Excavated Confirmation Sampling Report for Soil Reuse*", July 30; and "*Phase 3 Stockpile Sampling Report and Request for Soil Reuse*", September 3). One report on phase completion was submitted: "*Soil Remediation Phase 1 Completion Report*", July 30, 2015.

Tables 1 to 5 will be updated in future reports to maintain a full record of all site excavations, sampling and backfilling.

As of the end of Q3 2015, approximately 65,000 cubic yards of soil have been excavated, with approximately 30,000 cubic yards of contaminated soil treated.

Treated soil was reused after approval by RWCQB to backfill Excavation #1, #2, and #8. After RWQCB approval, two combined excavations (#5 and #3, 4, 14) in the northeast part of the site were backfilled using clean soil.

As shown on Table 4, soil treatment resulted in the current (October 2015) 30 treatment cells in former storage basins 80002, 80004, 80006, 80013 and the Powerine Basin. The sampling of treated soil piles and resulting soil segregation is documented in reports filed with the RWQCB for each phase of soil handling.

Waste Management

Table 5 presents a summary of off-site soil disposal associated with the site remediation. During this quarter, no soil was hauled off site for disposal. Used plastic from covering and bottom protection of stockpiles was stored in bins and hauled for offsite disposal as non-hazardous waste.

Health and Safety, Dust and Air Quality

All field activities were conducted in accordance with the site-specific Health and Safety Plan (HASP) and Occupational Safety and Health Administration (OSHA) regulations pertaining to hazardous waste site investigations (29 Code of Federal Regulations [CFR] 1910.120). The HASP includes protocols for safe work practices for the field portion of the project. All personnel working at the site are required to read, sign, and adhere to the requirements of the HASP. Tailgate safety meetings were held prior to fieldwork each day during which key aspects of the HASP and potential hazards were discussed. The HASP was in effect throughout the duration of field activities.

The soil handling and treatment were also managed under the South Coast Air Quality Management District (AQMD) site-specific permit, with occasional visit by AQMD inspector. In addition to VOC emissions mitigation, the soil handling operations were also conducted under strict dust mitigation measures.

Proposed Fourth Quarter 2015 Soil Management Activities

Soil removal and on-site treatment is expected to continue during the fourth quarter of 2015, and will be reported in the next quarterly Progress Report for Onsite Soil Management.

If you have any questions or comments, please call me at (562) 597-1055.

Sincerely,



Paul Parmentier, PG 3915
Principal Geologist

Attachments

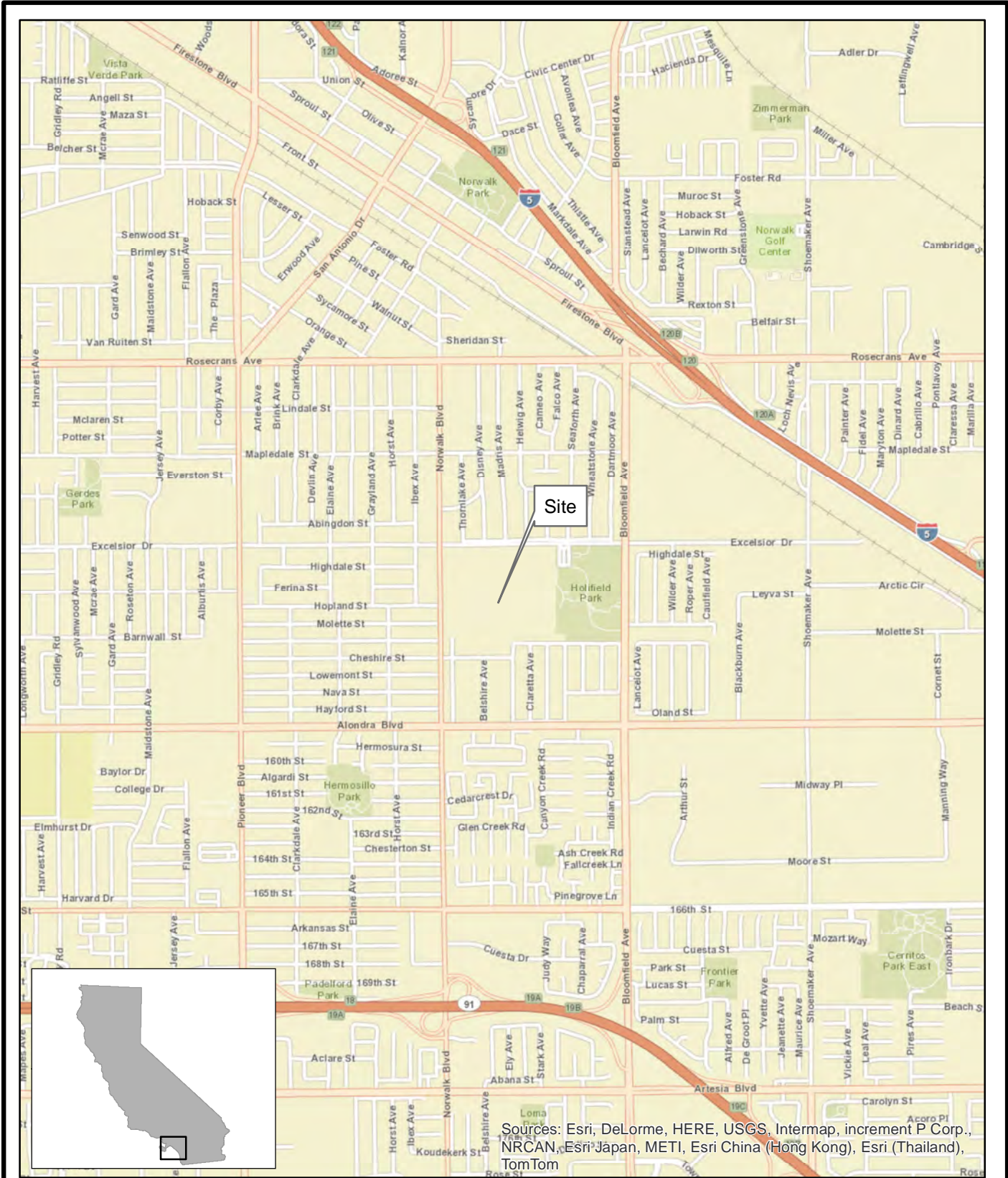
Figure 1	Site Location Map
Figure 2	Operations Status Map, October 5, 2015
Table 1	Summary of Excavations
Table 2	Baseline and Post-Treatment Sampling of Surface Soil
Table 3	Summary of Clean Soil Piles
Table 4	Summary of Treatment Soil Piles
Table 5	Summary of Off-Site Disposal or Treatment

cc:

Mr. Nicholas Carros, DLA-E
Maj. Todd J. Morin, DLA-E
Ms. Adriana Figueroa, City of Norwalk
Mr. Mike Egan, City of Norwalk
Ms. Phuong Ly, Water Replenishment District
Mr. Everett Ferguson, Water Replenishment District
Mr. Charles Emig, City of Cerritos
Ms. Evelyn Herrera, Office of Congresswoman Grace Napolitano
Mr. Jon Wreschinsky, March ARB
Ms. Angelina Mancillas, Office of Congresswoman Linda T. Sánchez
Mr. Luis Gonzalez, Office of State Senator Ron Calderon
Mr. Norman Dupont, Richards Watson Gershon
Mr. Steve Harari, Department of Toxic Substances Control
Mr. Gary Lynch, Park Water Company
Mr. Walter Scherer, March ARB
Mr. Michael T. Wilson, Air Force Real Property Agency
Ms. Minxia Dong, Norwalk Regional Library
Mr. Steve Defibaugh, KMEP
Mr. Mark Wuttig, CH2M HILL
Mr. Dan Jablonski, CH2M HILL
Ms. Lorena Sierra, John Dolland Elementary School
Mr. Marcos Alamillo, Office of Assembly Member Christina Garcia
Ms. Mary Jane McIntosh, RAB Community Member

Dr. Eugene Garcia, RAB Community Member
Ms. Tracy Winkle, RAB Community Member
Los Angeles County Department of Public Health

Attachments



Sources: Esri, DeLorme, HERE, USGS, Intermap, increment P Corp., NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom

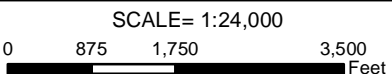
SOURCE:
 ESRI 7.5 MINUTE TOPOGRAPHIC MAP.
<http://resources.esri.com/arcgisonline/services>

PROJECT NO.:
 04-NDLA-003

DATE:
 5/28/2014

DR. BY:
 JK

APP. BY:
 PP

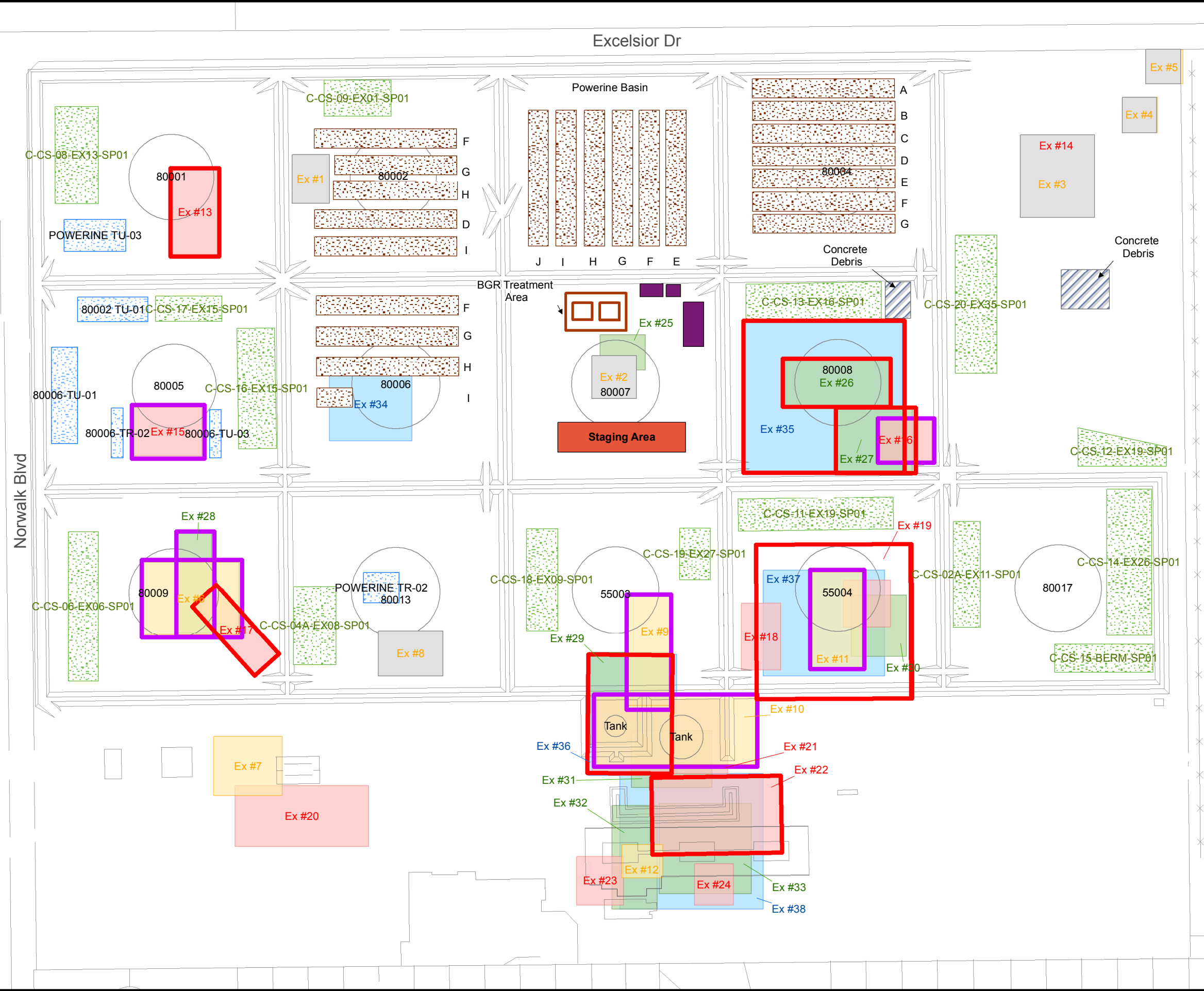


SGI THE SOURCE GROUP, INC.
 environmental
 1962 FREEMAN AVENUE
 SIGNAL HILL, CA 90755
 (562) 597-1055

**DEFENSE FUEL SUPPORT POINT
 NORWALK**
 15306 NORWALK BOULEVARD
 NORWALK, CALIFORNIA

SITE LOCATION MAP

FIGURE
 1



Legend

- Former Above Ground Storage Tanks
- DFSP Norwalk Border
- Backfilled Excavation
- EX # 11 Proposed Excavation 0-5ft
- EX # 14 Proposed Excavation 5-10ft
- EX # 27 Proposed Excavation 10-15ft
- EX # 38 Proposed Excavation 15-25ft
- Completed Excavations
- Excavations in Progress
- Staging Area with Soil
- Clean Soil Pile
- Completed Treatment Row
- Treated Soil Piles Ready to be Backfilled
- Operation Stockpile

Notes:

Completed Excavations as of October 05, 2015:
6, 9, 10, 11, 15, 16, 28

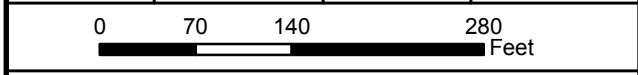
Excavations in Progress as of October 05, 2015:
13, 17, 19, 22, 26, 27, 35, 36

Backfilled Excavations as of October 05, 2015:
1, 2, 3, 4, 5, 8, 14



DFSP Norwalk
15306 Norwalk Boulevard
Norwalk, California

Project Number:	Date:	Drawn By:	Approved By:
04-NDLA-007	10/05/2015	P. W	P. P



Operations Status Map

THE SOURCE GROUP, INC.	Figure 2
1962 Freeman Avenue Signal Hill, CA 90755 (562) 597-1055	

Table 1
Summary of Excavations-Status as of September 30, 2015
 DFSP Norwalk
 15306 Norwalk Boulevard
 Norwalk, CA 90650

Excavation	Location	Excavation Start Date	Excavation Complete Date	Date of Step-out Excavation	Total Excavated Volume (Approximate yds ³)	PID readings > 50 ppmv?	Estimated Clean Soil Volume (yds ³)	Estimated Soil Volume to be Treated or Hauled**	Location of Soil Pile Treatment	Status of Confirmation Sampling of Clean Soil	Status of Confirmation Sampling of Treatment	Excavation Complete?	Excavation Report Submitted?	Backfilling Status	Notes
Phase 1															
EX-3	NE	03/18/15	03/19/15		1,042	Yes	435	607	Powerine Basin	Complete	Complete	Yes	Yes	Yes	Expanded into excavation #14
EX-4	NE	03/30/15	03/30/15	05/11/15	1,845	Yes	143	1,702	Powerine Basin	Complete	Complete	Yes	Yes	Yes	Re-excavated areas > clean-up goals
EX-5	NE	04/03/15	04/07/15		340	Yes	315	25	Powerine Basin	Complete	Complete	Yes	Yes	Yes	
EX-14	NE	03/20/15	03/27/15		2,112	Yes	942	1,170	Powerine Basin	Complete	Complete	Yes	Yes	Yes	
Phase 2															
EX-1	80002	04/01/15	04/03/15		556	No	541	15	Powerine Basin	Complete	Complete	Yes	Yes	Yes	Partially backfilled to allow for stormwater collection
EX-2	80007	03/31/15	04/01/15	05/19/15	1,095	No	23	1,072	Powerine Basin	Complete	Complete	Yes	Yes	Yes	
EX-8	80013	04/07/15	04/10/15		1,303	No	980	323	Powerine Basin	Complete	Complete	Yes	Yes	Yes	
Pending															
EX-6	80009	06/04/15	06/23/15		2,059	Yes	745	1,314	80004 & 80006 Basin	Complete	Pending	Yes	No	Pending	
EX-9	55003	06/15/15	07/07/15		1,900	No	1,234	666	80006 Basin	Complete	Pending	Yes	No	Pending	
EX-10	South Central	07/07/15	08/26/15		3,524	Yes	2,035	1,489	80004 & Powerine Basin	Complete	Pending	Yes	No	Pending	
EX-11	55004	04/13/15	04/20/15		1,765	No	740	1,025	80002 Basin	Complete	Pending	Yes	No	Pending	
EX-13	80001	05/21/15			3,722	Yes	624	3,098	80002 & 80006 Basin	Pending	Pending	Pending	No	Pending	
EX-15	80005	05/28/15		10/1/15	1,422	No	1,080	342	80006 Basin	Pending	Pending	Pending	No	Pending	
EX-16	80008	05/13/15	05/14/15		1,865	No	1,865	0	-	Pending	Pending	Yes	No	Pending	
EX-17	80009	06/22/15			1,955	Yes	705	1,250	80004 & 80006 Basin	Pending	Pending	Yes	No	Pending	
EX-19	55004	04/21/15	05/08/15		6,611	Yes	3,355	3,256	80002 Basin	Pending	Pending	Yes	No	Pending	
EX-21	South Central	07/14/15	07/14/15		144	Yes	0	144	-	Complete	Complete	Yes	No	Pending	
EX-22	South Central	07/27/15	08/24/15		4,818	Yes	3,275	1,543	80006 & Powerine Basin	Pending	Pending	Yes	No	Pending	
EX-26	80008	05/18/15	06/17/15		4,037	No	3,136	901	80002 Basin	Pending	Pending	Pending	No	Pending	
EX-27	80008	05/15/15	05/19/15		2,850	No	2,850	0	80002 Basin	Pending	Pending	Pending	No	Pending	
EX-28	80009	06/24/15			1,447	Yes	552	895	80004 Basin	Complete	Pending	Yes	No	Pending	
EX-35	80008	08/31/15	Active		22,573	Yes	6,036	16,537	Powerine, 80002, 80006, 80004, & 80013	Pending	Pending	Pending	No	Pending	
EX-37	South Central	09/16/15	Active		996	Yes	44	952	80004, 80006, & 80013	Pending	Pending	Pending	No	Pending	
Previous															
Truck Area Pilot test			June 23-25 2014		472		272	200	-	N/A	N/A	No	N/A	n/a	All soil was hauled off site for disposal
Separator Area Pilot Test			June 23-25 2014		20		10	10	-	N/A	N/A	No	n/a	n/a	All soil was hauled off site for disposal
TOTAL					70,473		31,937	38,536							

* Verification of contaminant concentrations in assumed clean soil will follow RWQCB directives

** Verification of contaminant concentrations in treated soil will follow RWQCB directives

Note: Excavations will be surveyed to verify estimated soil volumes

Table 2
Baseline and Post-Treatment Sampling of Surface Soil
 DFSP Norwalk
 15306 Norwalk Boulevard
 Norwalk, CA 90650

Basin Location	Treatment Pile	Date Sampled	Number of Samples Collected	Sample ID	Post Treatment Sampling
Powerine	POWERINE-A-01	01/26/15	4	SB00001 to SB00004	Pending
Powerine	POWERINE-B-01	01/27/15	4	SB00005 to SB00008	Pending
Powerine	POWERINE-C-01	01/28/15	4	SB00009 to SB00012	Pending
Powerine	POWERINE-D-01	01/29/15	4	SB00013 to SB00016	Pending
Powerine	POWERINE-J-01	08/27/15	4	SB-170 to SB-173	Pending
80002	80002-A-01	05/11/15	4	80002-ROW5-S-SB114 to SB117	Pending
80002	80002-B-01	05/07/15	4	80002-ROW4-S-SB111 to SB113	Pending
80002	80002-C-01	04/24/15	4	80002-ROW3-S-SB108 to SB110	Pending
80002	80002-D-01	04/22/15	4	80002-ROW2-S-SB104 to SB107	Pending
80002	80002-E-01	04/20/15	4	80002-ROW1-S-SB100 to SB103	Pending
80006	80006-A-01	05/21/15	4	80006-ROWA-SB118 to SB121	Pending
80006	80006-B-01	05/22/15	4	80006-ROWB-SB122 to SB125	Pending
80006	80006-C-01	05/28/15	4	80006-ROWC-SB126 to SB129	Pending
80006	80006-D-01	06/12/15	4	80006-ROWD-SB130 to SB133	Pending
80006	80006-E-01	06/12/15	4	80006-ROWE-SB134 to SB137	Pending
80006	80006-Z-01	08/04/15	4	80006-ROWZ-SB166 to SB169	Pending
80006	80006-L-01	10/06/15	4	SB-186 to SB-189	Pending
80004	80004-A-01	06/17/15	4	80004-ROWA-SB138 to SB141	Pending
80004	80004-B-01	06/17/15	4	80004-ROWB-SB142 to SB145	Pending
80004	80004-C-01	06/23/15	4	80004-ROWC-SB146 to SB149	Pending
80004	80004-D-01	07/07/15	4	80004-ROWD-SB150 to SB153	Pending
80004	80004-E-01	07/07/15	4	80004-ROWE-SB154 to SB157	Pending
80004	80004-F-01	07/07/15	4	80004-ROWF-SB158 to SB161	Pending
80004	80004-G-01	07/10/15	4	80004-ROWG-SB162 to SB165	Pending
80013	80013-A-01	09/29/15	4	SB-174 to SB-177	Pending
80013	80013-B-01	09/30/15	4	SB-178 to SB-181	Pending

Table 3
Summary of Clean Soil Stockpiles
 DFSP Norwalk
 15306 Norwalk Boulevard
 Norwalk, CA 90650

Location	Origin of Soil	Pile Name	Approximate Volume (cb yds)	Date Sampled	Number of Samples	Comments
Northeast	EX-02, -03, -14	C-CS-01-EX14-SP01	933	05/05/15	34	Authorized for reuse July 2015, used for excavation backfill
Basin 80017	EX-11	C-CS-02A-EX11-SP01	900	05/28/15	39	Authorized for reuse July 2015
Basin 80013	EX-08	C-CS-04A-EX08-SP01	1,080	06/02/15	25	
Basin 80009	EX-06, -17, -28	C-CS-06-EX06-SP01	2,033	09/21/15	27	Authorization pending
Basin 80001	EX-13	C-CS-08-EX13-SP01	670	09/23/15	21	Authorization pending
Basin 80002	EX-01	C-CS-09-EX01-SP01	500	06/04/15	20	
Northeast	EX-04, -05	C-CS-10-EX05-SP01	600	04/30/15	35	Authorized for reuse July 2015
Basin 55006/80017	EX-19	C-CS-11-EX19-SP01	1,850	05/28/15	31	Authorized for reuse August 2015. Moved to Basin 80017 on October 27.
East	EX-16, -19, -26, -27	C-CS-12-EX19-SP01	4,550	06/02/15	46	Authorized for reuse July 2015
Basin 80005	EX-16, -27	C-CS-13-EX16-SP01	1,130	06/01/15	29	Authorized for reuse August 2015
Basin 80017	EX-26, -27	C-CS-14-EX26-SP01	2,460	06/01/15	44	Authorized for reuse July 2015
Basin 80017	Berms	C-CS-15-BERM-SP01				
Basin 80005	EX-15	C-CS-16-EX15-SP01	1,200	06/03-04/15	28	
Basin 80005	EX-15	C-CS-17-EX15-SP01	116	09/22/15	10	Authorization pending
Basin 55003	EX-09, -10, -22	C-CS-18-EX09-SP01	7,991	09/21/15	37	Authorization pending
Basin 55003/Northeast	EX-27	C-CS-19-EX27-SP01	-	-	-	Small pile (~1,000 yds ³) combined with CS-20.
Northeast	EX-15, -17, -35, -37	C-CS-20-EX35-SP01	8,000	10/27-10/18/15	43	
	Berms	C-CS-21-BERM-SP01				Active
South East	EX-35, -37	C-CS-22-EX38-SP01				Active

Table 4
Summary of Treatment Soil Piles
DFSP Norwalk
15306 Norwalk Boulevard
Norwalk, CA 90650

Location	Treatment Pile	Origin of Soil	Approximate Volume (yds ³)	Final Sampling Dates	Number of Samples	Sample ID	Comments
Powerine Basin	POWERINE-A-01	EX-01, -02, -05	984	07/20/15	35	T00106-T00140	Segregated and partially used for backfill of Excavation #2
Powerine Basin	POWERINE-B-01	EX-05, -08	918	07/20/15	35	T00071-T00105	
Powerine Basin	POWERINE-C-01	EX-04, -14	855	07/15/15	35	T00036-T00070	
Powerine Basin	POWERINE-D-01	EX-03, -14	815	07/16/05	35	T00001-T00035	
Powerine Basin	POWERINE-E-01	EX-22	946				
Powerine Basin	POWERINE-F-01	EX-22	924				
Powerine Basin	POWERINE-G-01	EX-22	857				
Powerine Basin	POWERINE-H-01	EX-10, -22	1,011				
Powerine Basin	POWERINE-I-01	EX-10, -36	882				
Powerine Basin	POWERINE-J-01	EX-35, -36	998				
Basin 80002	80002-A-01	EX-04, -26, -13	834	08/18/15	35	T00141-T00142	Segregated and used for backfill of Excavation #1, #2, and #8
Basin 80002	80002-B-01	EX-19	861	08/18/15	35	T00176-T00210	
Basin 80002	80002-C-01	EX-19	926	08/18/15	35	T00211-T00245	
Basin 80002	80002-D-01	EX-19	1,122	08/18/15	35	T00246-T00280	
Basin 80002	80002-E-01	EX-11, -19	885	08/24/15	35	T00281-T00315	
Basin 80002	80002-F-01	EX-35	920				
Basin 80002	80002-G-01	EX-35	753				
Basin 80002	80002-H-01	EX-35					
Basin 80002	80002-I-01	EX-35	1,023				
Basin 80006	80006-A-01	EX-13, -15	731	08/24/15	35	T00316-T00350	Segregated and used for backfill of Excavation #1, #2, and #8
Basin 80006	80006-B-01	EX-13	771	08/24/15	35	T00351-T00385	
Basin 80006	80006-C-01	EX-13	731	08/25/15	35	T00386-T00420	
Basin 80006	80006-D-01	EX-13	817	08/25/15	35	T00421-T00455	
Basin 80006	80006-E-01	EX-13, -09, -06, -17	799	08/25/15	35	T00456-T00490	
Basin 80006	80006-F-01	EX-22	834				
Basin 80006	80006-G-01	EX-35	936				
Basin 80006	80006-H-01	EX-35, -37	1,047				
Basin 80006	80006-I-01	EX-35	822				
Basin 80006	80006-J-01	EX-35	845				
Basin 80006	80006-K-01	EX-35	868				
Basin 80006	80006-L-01	EX-35, -37	845				
Basin 80006	80006-M-01	EX-38	909				
Basin 80004	80004-A-01	EX-17, -06	858	09/28/15	35	T00491-T00525	Phase 4
Basin 80004	80004-B-01	EX-06, -28	794				
Basin 80004	80004-C-01	EX-28, -17	824				
Basin 80004	80004-D-01	EX-17, -28, -04	880				
Basin 80004	80004-E-01	EX-17	903				
Basin 80004	80004-F-01	EX-10, -28	862	09/30/15	35	T00526-T00560	Phase 4
Basin 80004	80004-G-01	EX-28, -10	835	09/30/15	35	T00561-T00595	Phase 4
Basin 80004	80004-H-01	EX-35, -37	891				
Basin 80004	80004-I-01	EX-37	891				
Basin 80013	80013-A-01	EX-35, -37, -38	1,035				
Basin 80013	80013-B-01	EX-35	914				
Basin 80013	80013-C-01	EX-35	897				
Basin 80013	80013-D-01	EX-35	673				
Basin 80013	80013-E-01	EX-35	1,018				

Table 5
Summary of Off-Site Disposal or Treatment

DFSP Norwalk
 15306 Norwalk Boulevard
 Norwalk, CA 90650

Area of Soil	Date of Excavation	Date of Hauling	Weight (tons)	Soil Disposal Site	Comments
Current - Q3 2015					
N/A	N/A	N/A	N/A	N/A	Note: bins with used plastic hauled off-site for disposal
Previous					
Northeast	March - April 2015	5/21-22 and 5/26/15	790.24	Simi Valley Landfill	Soil with Oily Nodules
Site-wide: soil from well abandonment		Jan 26 2015	14.07	Soil Safe Adelanto	
Truck Area	June 23-25 2014	July and Dec 2014	605	Soil Safe Adelanto	Soil from Pilot Test
Separator Area	June 23-25 2014	July and Dec 2014	10	Soil Safe Adelanto	Soil from Pilot Test
Total to Date			1,419.31		