

July 28, 2017

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: Second Quarter 2017 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), The Source Group, Inc. is submitting this *Second Quarter 2017 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 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 supplemented 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, which have been completed.

During previous active soil treatment activities, the soil treatment was also reported separately to RWQCB in quarterly reports to comply with the Waste Discharge Requirements (WDR) permit No. 90-148; C1-10118 specific to this site.

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, completed as of June 30, 2017. Sampling during this quarter also included post-treatment sampling of surface soil under former treatment cells in basins 80001, 80002 and 80007. This sampling is summarized in Table 2.

Tables 3 and 4 present a summary of clean soil stockpiles and soil treatment stockpiles. All clean and soil treatment stockpiles have either been used for backfilling or hauled for off-site disposal as described in Table 5.

During this quarter, three individual reports on excavation sampling, stockpile sampling, or baseline sampling were prepared ("*Waste Discharge Requirements Progress Report First Quarter 2017*", April 14,

2017; *‘Phase 12 Stockpiles Confirmation Sampling Report and Updated Request for Soil Reuse’*, April 25, 2017; and *‘First Quarter 2017 Progress Report for On-Site Soil Management’*, April 28, 2017).

Tables 1 to 5 are complete and report a full record of all site excavations, sampling and backfilling.

As of the end of Q2 2017, approximately 110,017 cubic yards of soil have been excavated, with approximately 67,446 cubic yards of contaminated soil treated or hauled away for off-site disposal (Table 1).

As shown on Table 4, soil treatment is complete. Excavation 41 was backfilled during this quarter. During late April and early May, the three treated soil stockpiles and one clean soil stockpiles that were approved for reuse (Phase 12) were used to backfill low lying areas in basin 80007. All treatment cells have been dismantled. The sampling of clean soil piles and treated soil piles are documented in reports filed with the RWQCB for each phase of soil handling.

During backfilling, watering was required to maintain compaction, and compaction was documented by a third-party geotechnical firm (Albus-Keefe).

Waste Management

Table 5 presents a summary of off-site soil disposal associated with the site remediation. During this quarter, approximately 1,075 tons of soil was hauled away for off-site disposal.

Used plastic sheeting that was used for covering stockpiles, plastic liner from beneath treatment cells and unusable PVC piping used in stockpiles SVE were stored in bins and hauled for off-site disposal as non-hazardous waste.

Five rain events occurred during the second quarter of 2017. Accumulated rain water was minimal, no actions were taken and no site water escaped the facility. The facility is encircled to the north and east by lines of sand bags. The facility is also inspected monthly by the City of Norwalk for storm water management compliance.

As reported in remediation status report, LNAPL recovered from TF-18 area wells was also hauled off site for disposal.

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 permits. In addition to VOC emissions mitigation, the soil handling operations were also conducted under strict dust mitigation measures.

Proposed Third Quarter 2017 Soil Management Activities

Continued wetting of surface soil during other site activities to minimize nuisance dust.

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

Sincerely,



Paul Parmentier, PG 3915
Principal Geologist

Attachments

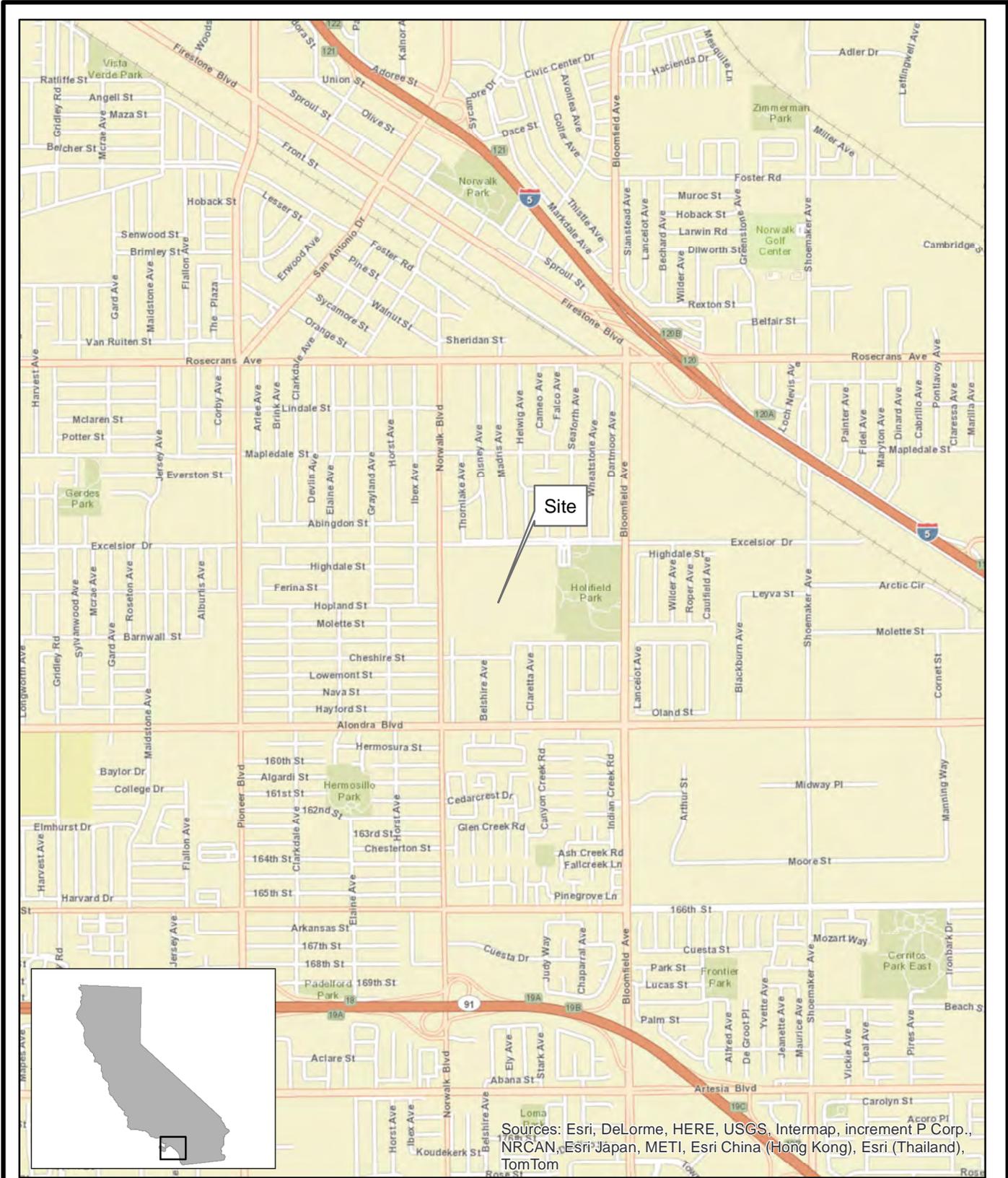
- Figure 1 Site Location Map
- Figure 2 Operations Status Map, July 30, 2017

- 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:

Ms. Carol Devier-Heeney, DLA

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

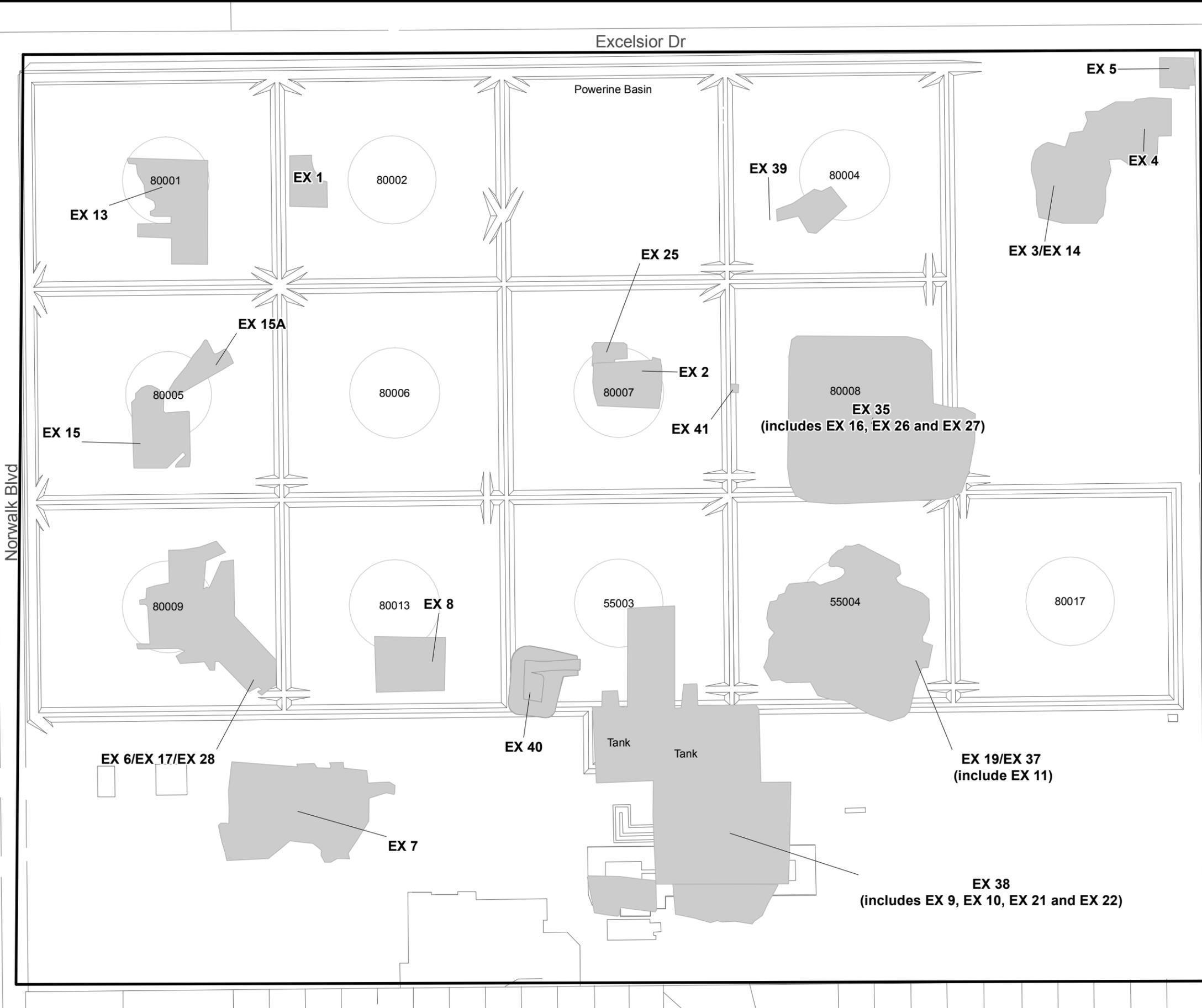


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**DEFENSE FUEL SUPPORT POINT
 NORWALK**
 15306 NORWALK BOULEVARD
 NORWALK, CALIFORNIA

SITE LOCATION MAP

FIGURE
 1



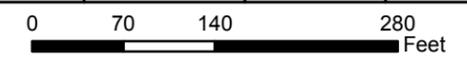
Legend

-  Former Above Ground Storage Tanks
-  DFSP Norwalk Border
-  Excavation Areas



DFSP Norwalk
15306 Norwalk Boulevard
Norwalk, California

Project Number:	Date:	Drawn By:	Approved By:
04-NDLA-007	07/20/2017	PW	PP



Operations Status Map
(July, 2017)

SGL environmental
THE SOURCE GROUP, INC.
1962 Freeman Avenue
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Figure
2

Table 1
Summary of Excavations
 DFSP Norwalk
 15306 Norwalk Boulevard
 Norwalk, CA 90650

Excavation	Location	Excavation Start Date	Excavation Complete Date	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 Excavation	Excavation Complete?	Backfilling Status	Notes
Complete												
EX-1	80002	04/01/15	04/03/15	515	No	500	15	Powerine Basin	Complete	Yes	Yes	Partially backfilled to allow for stormwater collection
EX-2	80007	03/31/15	04/01/15	1,091	No	19	1,072	Powerine Basin	Complete	Yes	Yes	
EX-3	NE	03/18/15	03/19/15	896	Yes	289	607	Powerine Basin	Complete	Yes	Yes	Expanded into EX-14
EX-4	NE	03/30/15	03/30/15	1,789	Yes	186	1,603	Powerine Basin	Complete	Yes	Yes	Re-excavated areas > clean-up goals
EX-5	NE	04/03/15	04/07/15	434	Yes	414	20	Powerine Basin	Complete	Yes	Yes	
EX-8	80013	04/07/15	04/28/15	1,399	No	1,025	374	Powerine Basin	Complete	Yes	Yes	
EX-9	55003	06/15/15	07/07/15	1,612	No	1,330	282	80006 Basin	Complete	Yes	Yes	
EX-10	South Central	07/07/15	08/26/15	4,270	Yes	2,170	2,100	80004 & Powerine Basins	Complete	Yes	Yes	
EX-11	55004	04/13/15	04/20/15	1,313	No	900	413	80002 Basin	Complete	Yes	Yes	
EX-14	NE	03/20/15	03/27/15	1,305	Yes	625	680	Powerine Basin	Complete	Yes	Yes	
EX-15	80005	05/28/15	10/01/15	1,653	No	1,538	115	80006 Basin	Complete	Yes	Yes	
EX-21	South Central	07/14/15	07/14/15	144	Yes	0	144	N/A	Complete	Yes	Yes	
EX-22	South Central	07/27/15	08/24/15	7,687	Yes	3,500	4,187	80006 & Powerine Basins	Complete	Yes	Yes	
EX-25	80007	01/27/15	01/28/15	612	Yes	0	612	80006 and 80013 Basins	Complete	Yes	Yes	
EX-35	80008	05/13/15	12/03/15	39,101	Yes	21,547	17,554	Powerine, 80002, 80006, 80004, & 80013	Complete	Yes	Yes	Excavations 16, 26, and 27 were incorporated into EX-35
EX-19/-37	55004	04/21/15	12/21/15	8,783	Yes	69	8,714	Powerine, 80002, 80006, 80004, & 80013	Complete	Yes	Yes	
EX-38	South Central	10/07/15	12/07/15	9,797	Yes	376	9,421	80013	Complete	Yes	Yes	
EX-6	80009	06/04/15	06/23/15	2,263	Yes	687	1,576	80004 & 80006 Basins	Complete	Yes	Yes	
EX-7	South West	12/30/15	10/12/16	12,059	Yes	4,416	7,643	80002 Basin	Complete	Yes	Yes	
EX-13	80001	05/21/15	06/11/15	5,366	Yes	550	4,816	80002 & 80006 Basins	Complete	Yes	Yes	
EX-15A	80005	11/05/15	11/09/15	1,265	Yes	0	1,265	Powerine & 80004 Basins	Complete	Yes	Yes	
EX-17	80009	06/22/15	10/01/15	1,685	Yes	650	1,035	80004 & 80006 Basins	Complete	Yes	Yes	
EX-28	80009	06/24/15	07/07/15	1,631	Yes	519	1,112	80004 Basin	Complete	Yes	Yes	
EX-39	80004	05/26/15	06/23/16	655	Yes	80	575	80002 and 80006 Basins	Complete	Yes	Yes	
EX-40	55003	12/20/15	03/16/17	2,200	Yes	1,086	1,000	80001	Complete	Yes	No	Portion of soil to be hauled off-site
EX-41	80007	04/04/17	04/06/17	19	No	0	19	80008	Complete	Yes	Yes	All soil was hauled off site for disposal
Truck Area Pilot test			June 23-25 2014	472			472	-	N/A	No	n/a	All soil was hauled off site for disposal
Separator Area Pilot Test			June 23-25 2014	20			20	-	N/A	No	n/a	All soil was hauled off site for disposal
***TOTAL Excavated, Clean or Treated				110,017		42,476	67,446					

* Verification of contaminant concentrations in assumed clean soil will follow RWQCB directives
 ** Verification of contaminant concentrations in treated soil will follow RWQCB directives
 ***Volumes as reported for clean soil stockpiles and treated/hauled for treated or hauled

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 Initial Samples Collected	Sample ID	Post Treatment Sampling	Number of Post Treatment Samples Collected	Sample ID
Powerine	POWERINE-A-01	01/26/15	4	SB00001 to SB00004	10/18/2016	10	SB00275-SB00284
	POWERINE-B-01	01/27/15	4	SB00005 to SB00008	10/18/2016	10	SB00285-SB00294
	POWERINE-C-01	01/28/15	4	SB00009 to SB00012	10/18/2016	10	SB00295-SB00304
	POWERINE-D-01	01/29/15	4	SB00013 to SB00016	10/18/2016	10	SB00305-SB00314
	*POWERINE-E-01	--	--	--	10/18/2016	10	SB00315-SB00324
	POWERINE-J-01	08/27/15	4	SB-170 to SB-173	10/18/2016	10	SB00265-SB00274
80001	80001-A-01	10/29/15	4	SB00198 to SB00201	4/5/2017	10	SB00556-SB00563
	80001-B-01	11/02/15	4	SB00202 to SB205	4/5/2017	10	SB00546-SB00555
80002	80002-A-01	05/11/15	4	80002-ROW5-S-SB114 to SB117	4/4/2017	10	SB00496-SB00505
	80002-B-01	05/07/15	3	80002-ROW4-S-SB111 to SB113	4/4/2017	10	SB00486-SB00495
	80002-C-01	04/24/15	3	80002-ROW3-S-SB108 to SB110	4/4/2017	10	SB00476-SB00485
	80002-D-01	04/22/15	4	80002-ROW2-S-SB104 to SB107	4/4/2017	10	SB00466-SB00475
	80002-E-01	04/20/15	4	80002-ROW1-S-SB100 to SB103	4/4/2017	10	SB00456-SB00465
80004	80004-A-01	06/17/15	4	80004-ROWA-SB138 to SB141	4/19/2016	6	SB00214-SB00219
	80004-B-01	06/17/15	4	80004-ROWB-SB142 to SB145	4/19/2016	6	SB00220-SB00225
	80004-C-01	06/23/15	4	80004-ROWC-SB146 to SB149	4/19/2016	6	SB00226-SB00231
	80004-D-01	07/07/15	4	80004-ROWD-SB150 to SB153	4/19/2016	6	SB00232-SB00237
	80004-E-01	07/07/15	4	80004-ROWE-SB154 to SB157	4/19/2016	6	SB00238-SB00243
	80004-F-01	07/07/15	4	80004-ROWF-SB158 to SB161	4/19/2016	6	SB00244-SB00249
	80004-G-01	07/10/15	4	80004-ROWG-SB162 to SB165	4/19/2016	6	SB00250-SB00255
80006	80006-A-01	05/21/15	4	80006-ROWA-SB118 to SB121	2/16/2017	10	SB00386-SB00395
	80006-B-01	05/22/15	4	80006-ROWB-SB122 to SB125	2/16/2017	10	SB00396-SB00405
	80006-C-01	05/28/15	4	80006-ROWC-SB126 to SB129	2/16/2017	10	SB00406-SB00415
	80006-D-01	06/12/15	4	80006-ROWD-SB130 to SB133	2/16/2017	10	SB00416-SB00425
	80006-E-01	06/12/15	4	80006-ROWE-SB134 to SB137	2/16/2017	10	SB00426-SB00435
	80006-F-01	08/04/15	4	80006-ROWF-SB166 to SB169	2/16/2017	10	SB00436-SB00445
	80006-L-01	10/06/15	4	SB-186 to SB-189	2/16/2017	10	SB00446-SB00455
80013	80013-A-01	09/29/15	4	SB-174 to SB-177	2/16/2017	10	SB00376-SB00385
	80013-B-01	09/30/15	4	SB-178 to SB-181	2/16/2017	10	SB00366-SB00375
	80013-C-01	10/05/15	4	SB-182 to SB-185	2/16/2017	10	SB00356-SB00365
	80013-D-01	10/07/15	4	SB-190 to SB-193	7/20/2016	16	SB00256-SB00265
	80013-E-01	10/12/15	4	SB00194 to SB00197	2/16/2017	10	SB00346-SB00355
	80013-F-01	12/2/2015	4	SB00206 to SB00209	2/16/2017	10	SB00336-SB00345
	80013-G-01	12/3/2015	4	SB00210 to SB00213	2/16/2017	10	SB00326-SB00335
**80007	Onsite soil treatment area		--	--	4/3/2017	40	SB00506-SB00545

Notes:

*POWERINE-E-01-no baseline samples were collected from treatment cell POWERINE-E-01, however, post-treatment sampling results were below site cleanup goals.

**Basin 80007 contained four, 30-mil HDPE lined, pre-treatment soil staging rows.

No Baseline samples were collected in this temporary treatment area, however, post-treatment samples were collected and all results were below site cleanup goals.

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

Pile Name	Location	Origin of Soil	Approximate Volume (cb yds)	Date Sampled	Number of Samples	Project Phase	Comments
C-CS-01-EX14-SP01	Northeast Corner	EX-02, -03, -14	933	05/05/15	34	Phase 1	RWQCB Approval 07/2015, used for backfill EX-1, 2, and 8
C-CS-02A-EX11-SP01	Basin 80017	EX-11	900	05/28/15	39	Phase 1	RWQCB Approval 07/2015, used for backfill EX-35
C-CS-04A-EX08-SP01	Basin 80013	EX-08	1,025	6/2/2015, 12/3/15	25	Phase 7	RWQCB Approval 03/2016, used for backfill EX-35
C-CS-06-EX06-SP01	Basin 80009	EX-06, -17, -28	1,856	09/21/15	27	Phase 4	RWQCB Approval 12/2015, used for backfill EX-35
C-CS-08-EX13-SP01	Basin 80001	EX-13	550	09/23/15	21	Phase 4	
C-CS-09-EX01-SP01	Basin 80002	EX-01	500	06/04/15	20	Phase 5	RWQCB Approval 01/2016, used for backfill EX-35
C-CS-10-EX05-SP01	Northeast Corner	EX-04, -05	600	04/30/15	35	Phase 1	RWQCB Approval 07/2015, used for backfill EX-35
C-CS-11-EX19-SP01	Basin 55006/80017	EX-19	1,850	05/28/15	31	Phase 1	RWQCB Approval 08/2015, used for backfill EX-35
C-CS-12-EX19-SP01	East	EX-16, -19, -26, -27	4,550	06/02/15	46	Phase 1	RWQCB Approval 07/2015, used for backfill EX-1, 2, 8, and 35
C-CS-13-EX16-SP01	Basin 80005	EX-16, -27	1,130	06/01/15	29	Phase 1	RWQCB Approval 08/2015, used for backfill EX-35
C-CS-14-EX26-SP01	Basin 80017	EX-26, -27	2,460	06/01/15	44	Phase 1	RWQCB Approval 07/2015, used for backfill EX-35
C-CS-15-BERM-SP01	Basin 80017	Various Berms	5,264	12/7/15, 1/7/15	39	Phase 7	RWQCB Approval 03/2016, used for backfill EX-35
C-CS-16-EX15-SP01	Basin 80005	EX-15	1,200	06/03-04/15	28	Phase 5	RWQCB Approval 01/2016, used for backfill EX-35
C-CS-17-EX15-SP01	Basin 80005	EX-15	239	09/22/15	10	Phase 4	RWQCB Approval 12/2015, used for backfill EX-35
C-CS-18-EX09-SP01	Basin 55003	EX-09, -10, -22	7,000	09/21/15	37	Phase 4	
C-CS-19-EX27-SP01	Basin 55003/Northeast Corner	EX-27	-	-	-	Phase 5	CS-19 (~1,000 yds3) combined with CS-20, RWQCB Approval 01/2016, used for backfill EX-35
C-CS-20-EX35-SP01	Northeast Corner	EX-15, -17, -35, -37	8,000	10/27-10/28/15	43	Phase 5	
C-CS-21-BERM-SP01	Basin 80001	Various Berms	104	12/15/15	5	Phase 7	RWQCB Approval 03/2016, used for backfill EX-35
C-CS-22-EX38-SP01	Southeast Area	EX-35, -37	3,725	12/15/15, 1/21/16	30	Phase 7	
C-CS-22A-EX38-SP01	Southeast Area	EX-38	376	12/15/15	15	Phase 7	
C-CS-23-EX07-SP01	South Central Area	EX-07	4,416	03/14/16	32	Phase 9	RWQCB Approval 05/2016, used for backfill EX-7, and 38
C-CS-24-Berm	Basin 80005	Various Berms	3,812	05/09/16	31	Phase 10	RWQCB Approval 08/2016, used for backfill EX-6 and 15A
C-CS-25-Berm	Basin 55003	Various Berms	3,479	05/10/16	30	Phase 10	RWQCB Approval 08/2016, used for backfill EX-7
C-CS-26-Berm	Basin 80005	Various Berms	2,667	05/12/16	32	Phase 10	RWQCB Approval 08/2016, used for backfill EX-13
C-CS-27-Concrete Shake	Basin 80009	Various Berms	900	08/31/16	24	Phase 11	RWQCB Approval 03/2017, used for backfill EX-40
C-CS-28-EX-39	Basin 55003	EX-39	80	08/31/16	4	Phase 11	
C-CS-29-EX-40	Basin 80007	EX-40	1,086	3/16/17, 3/27/17	31	Phase 12	RWQCB Approval 04/2017, used as backfill of low lying areas in basin 80013
Total Clean Soil from Berms			16,226				
Total Clean Soil from Overburden			42,476				
Total			58,702				

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	EX-01, -02, -05	984	07/20/15	35	T00106-T00140	RWQCB Approval 08/2015, used for backfill EX-2, and 8
	POWERINE-B	EX-05, -08	918	07/20/15	35	T00071-T00105	
	POWERINE-C	EX-04, -14	757	07/15/15	35	T00036-T00070	
	POWERINE-D	EX-03, -14	792	07/16/05	35	T00001-T00035	RWQCB Approval 01/2016, used for backfill EX-35
	POWERINE-E	EX-22	946	10/21/15	35	T00736-T00770	
	POWERINE-F	EX-22	771	10/21/15	35	T00771-T00805	
	POWERINE-G	EX-22	857	10/21/15	35	T00806-T00840	
	POWERINE-H	EX-10, -22	892	10/22/15	35	T00841-T00875	
	POWERINE-I	EX-10, -36	832	10/22/15	35	T00876-T00910	
	POWERINE-J	EX-35, -36	998	03/21/16	35	T01611-T01645	RWQCB Approval 05/2016, used for backfill EX-38
	POWERINE-K	EX-15A	1,024	01/08/16	35	T01261-T01295	RWQCB Approval 03/2016, used for backfill EX-35
	POWERINE-L	EX-38	903	03/21/16	35	T01646-T01680	RWQCB Approval 05/2016, used for backfill EX-38
	POWERINE-M	EX-38	805	03/21/16	35	T01681-T01715	
POWERINE-N	EX-38, -37	926	03/22/16	35	T01716-T01750		
POWERINE-O	EX-38	811	03/22/16	35	T01751-T01785		
POWERINE-P	EX-7	1,162	11/01/16	35	T02617-T02651	RWQCB Approval 03/2017, used for backfill EX-38	
Basin 80001	80001-A	EX-38	1,087	04/26/16	35	T02136-T02170	RWQCB Approval 08/2016, used for backfill EX-38
	80001-B	EX-38	1,075	04/27/16	35	T02171-T02205	RWQCB Approval 08/2016, used for backfill EX-13
	80001-C	Phase 11 Retreat	1,300	03/14/17	35	T02792-T02826	RWQCB Approval, used for backfill EX-7 and EX-38
Basin 80002	80002-A	EX-04, -26, -13	758	08/18/15	35	T00141-T00175	RWQCB Approval 09/2015, used for backfill EX-1, 2, 7 (gas line trench), 8 and 35
	80002-B	EX-19	760	08/18/15	35	T00176-T00210	
	80002-C	EX-19	832	08/18/15	35	T00211-T00245	
	80002-D	EX-19	713	08/18/15	35	T00246-T00280	
	80002-E	EX-11, -19	815	08/24/15	35	T00281-T00315	
	80002-F	EX-35	920	12/08/15	35	T01121-T01155	RWQCB Approval 02/2016, used for backfill EX-15, 25, and 35
	80002-G	EX-35	753	12/07/15	35	T01051-T01085	
	80002-H	EX-35	909	12/08/15	35	T01086-T01120	
	80002-I	EX-35	918	11/25/15	35	T00981-T01015	
	80002-J	EX-38	966	04/20/16	35	T01986-T02030	RWQCB Approval 08/2016, used for backfill EX-38
	80002-K	EX-38	828	04/20/16	35	T02031-T02065	
	80002-L	EX-37	1,058	03/22/16	35	T01786-T01820	RWQCB Approval 05/2016, used for backfill EX-38
	80002-M	EX-7	978	11/01/16	35	T02582-T02616	RWQCB Approval 03/2017, used for backfill EX-40
	80002-N	EX-7	1,208	11/02/16	35	T02652-T02686	RWQCB Approval 03/2017, used for backfill EX-38
	80002-O	EX-25, 35, 39	811	10/12/16	35	T02406-T02440	
	80002-P	Phase 10 Retreat	265	10/17/16	18	T02546-T02563	RWQCB Approval 03/2017, used for backfill EX-40
	80002-Q	Phase 11 Retreat, Mixed operations, EX-7, EX-39, EX-40 and Drill Cuttings	1,116	03/14/17	35	T02827-T02861	RWQCB Approval 04/2017, used as backfill of low lying areas in basin 80007
80002-R	EX-40	863	03/15/17	35	T02862-T02896	RWQCB Approval 04/2017, used as backfill of low lying areas in basin 80013	
Basin 80004	80004-A	EX-17, -06	858	09/28/15	35	T00491-T00525	RWQCB Approval 12/2015, used for backfill EX-15, 25, and 35
	80004-B	EX-06, -28	794	10/14/15	35	T00631-T00665	
	80004-C	EX-28, -17	824	10/15/15	35	T00666-T00700	
	80004-D	EX-17, -28, -04	880	11/24/15	35	T00946-T00980	RWQCB Approval 02/2016, used for backfill EX-35
	80004-E	EX-17	903	10/15/15	35	T00701-T00735	RWQCB Approval 12/2015, used for backfill EX-15, 25, and 35
	80004-F	EX-10, -28	862	09/30/15	35	T00526-T00560	
	80004-G	EX-28, -10	835	09/30/15	35	T00561-T00595	
	80004-H	EX-35, -37	891	03/09/16	35	T01576-T01610	
	80004-I	EX-37	891	03/03/16	35	T01505-T01540	RWQCB Approval 05/2016, used for backfill EX-38
	80004-J	EX-38, -37	1,035	03/01/16	35	T01401-T01435	
	80004-K	EX-37	868	02/16/16	35	T01366-T01400	
	80004-L	EX-37	903	03/01/16	35	T01436-T01470	
	80004-M	EX-37, EX-15A	1,075	03/02/16	35	T01471-T01505	
	80004-N	Re-Treat Various EX	949	03/03/16	35	T01541-T01575	

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
Basin 80006	80006-A	EX-13, -15	731	08/24/15	35	T00316-T00350	RWQCB Approval 09/2015, used for backfill EX-1, 2, and 8
	80006-B	EX-13	761	08/24/15	35	T00351-T00385	
	80006-C	EX-13	731	08/25/15	35	T00386-T00420	
	80006-D	EX-13	791	08/25/15	35	T00421-T00455	
	80006-E	EX-13, -09, -06, -17	775	08/25/15	35	T00456-T00490	
	80006-F	EX-22	834	10/14/15	35	T00596-T00630	RWQCB Approval 12/2015, used for backfill EX-35
	80006-G	EX-35	936	03/23/16	35	T01821-T01855	RWQCB Approval 05/2016, used for backfill EX-38
	80006-H	EX-35, -37	1,047	03/23/16	35	T01891-T01925	
	80006-I	EX-35	1,151	12/08/15	35	T01156-T01190	RWQCB Approval 02/2016, used for backfill EX-35
	80006-J	EX-35	845	03/23/16	35	T01856-T01890	RWQCB Approval 05/2016, used for backfill EX-38
	80006-K	EX-35	868	01/08/16	35	T01226-T01260	RWQCB Approval 03/2016, used for backfill EX-35
	80006-L	EX-35, -37	845	12/08/15	35	T01191-T01225	RWQCB Approval 02/2016, used for backfill EX-35
	80006-M	EX-38	926	02/12/16	35	T01296-T01330	RWQCB Approval 03/2016, used for backfill EX-38
	80006-N	EX-7	1,052	11/02/16	35	T02687-T02721	RWQCB Approval 03/2017, used for backfill EX-38
	80006-O	EX-7	845	10/13/16	35	T02476-T02510	
	80006-P	EX-7	1,156	10/12/16	35	T02441-T02475	
	80006-Q	EX-25, 35, 7	556	08/31/16	35	T02231-T02265	
80006-R	80004 Retreat	1,236	08/31/16	35	T02266-T02300		
80006-S	80004 Retreat	1,150	08/31/16	35	T02301-T02335		
80006-T	80004 Retreat	477	10/13/16	35	T02511-T02545		
Basin 80007	80007-A	Mixed Operations	523	07/20/16	25	T02206-T02230	
Basin 80013	80013-A	EX-35, -37, -38	1,035	12/01/15	35	T01016-T01050	RWQCB Approval 02/2016, used for backfill EX-35
	80013-B	EX-35	914	03/24/16	35	T01926-T01960	RWQCB Approval 05/2016, used for backfill EX-38
	80013-C	EX-35	897	03/24/16	35	T01961-T01995	
	80013-D	EX-35	673	10/10/16	35	T02371-T02405	RWQCB Approval 03/2017, used for backfill EX-40
	80013-E	EX-35	1,018	02/12/16	35	T01331-T01365	RWQCB Approval 03/2016, used for backfill EX-38
	80013-F	EX-38, -13, -35	983	11/03/16	35	T02757-T02791	RWQCB Approval 03/2017, used for backfill EX-38
	80013-G	EX-13, -35	1,070	04/26/16	35	T02066-T02100	RWQCB Approval 08/2016, used for backfill EX-38
	80013-H	EX-37	1,116	04/25/16	35	T02101-T02135	
	80013-I (a)	EX-25, -35	340	10/17/16	18	T02564-T02581	RWQCB Approval 03/2017, used for backfill EX-38
	80013-I (b)	EX-7	971	11/03/16	35	T02722-T02756	
	Total			73,132	(includes volume of re-treated soil)		

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
Previous					
Site wide: concrete	N/A	3/14/2017	100	Irwindale	
Northeast	March - April 2015	5/21-22 and 5/26/2015	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	605.00	Soil Safe Adelanto	Soil from Pilot Test
Separator Area	June 23-25 2014	July and Dec 2014	10.00	Soil Safe Adelanto	Soil from Pilot Test
Site wide: ECM and misc. debris		April and May 2016	534.76	Simi Valley Landfill	Clumpy Soil/Misc. Debris
Site wide: concrete	N/A	4/25-5/3/2016	1,890.00	Hanson Agregates, Long Beach	
Site wide: concrete	N/A	5/3-5/4/2016	288.00	Azusa Land Reclamation	
Site wide: concrete	N/A	5/11-5/25/2016	1,710.00	Arcadia Reclamation	
Site wide: treated soil		4/13-4/21/2017	1,074.70	Chiquita Canyon landfill	
Total to Date			5,942.07		