

April 21, 2016

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: First Quarter 2016 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 *First Quarter 2016 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 March 31, 2016. 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, six individual reports on excavation sampling, stockpile sampling, or baseline sampling were prepared (*"Phase 6 Stockpiles and Excavations Confirmation Sampling Report"*, January 6,2016. *"Waste Discharge Requirements Progress Report Fourth Quarter 2015"*, January 15, 2016. *"Remediation Status Report-Fourth Quarter 2015"*, January 29, 2016. *"Fourth Quarter 2015 Progress Report for On-Site Soil Management"*, January 30, 2016. *"Phase 7 Stockpiles and Excavations Confirmation Sampling Report"*, March 3, 2016. *"Phase 8 Stockpiles and Excavations Confirmation Sampling Report"*, March 29, 2016).

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 Q1 2016, approximately 116,388 cubic yards of soil have been excavated, with approximately 84,482 cubic yards of contaminated soil treated or currently under treatment (Table 1).

After RWQCB approval, excavation 15, excavation 25, excavation 35 (comprised of excavations 16, 26, 27, and 35) and excavation 19/37 (comprised of excavations 11,18,19, 30, and 37) in the eastern portion of the site were backfilled using clean soil. Treated soil was reused after approval by RWCQB to backfill these excavations.

As shown on Table 4, soil treatment resulted in the current (April 2016) 19 treatment cells in former Basins 80001, 80002, 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 visits by AQMD inspector. In addition to VOC emissions mitigation, the soil handling operations were also conducted under strict dust mitigation measures.

Proposed Second Quarter 2016 Soil Management Activities

Soil treatment is expected to conclude during the second and third quarters of 2016. Backfilling of excavations 7, 13, 15A, 17 and 37 in the western and southern parts of the site will also start during Q2 2016, and the backfilling and associated soil reuse will be documented 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,

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Paul Parmentier, PG 3915 **Principal Geologist**

Attachments

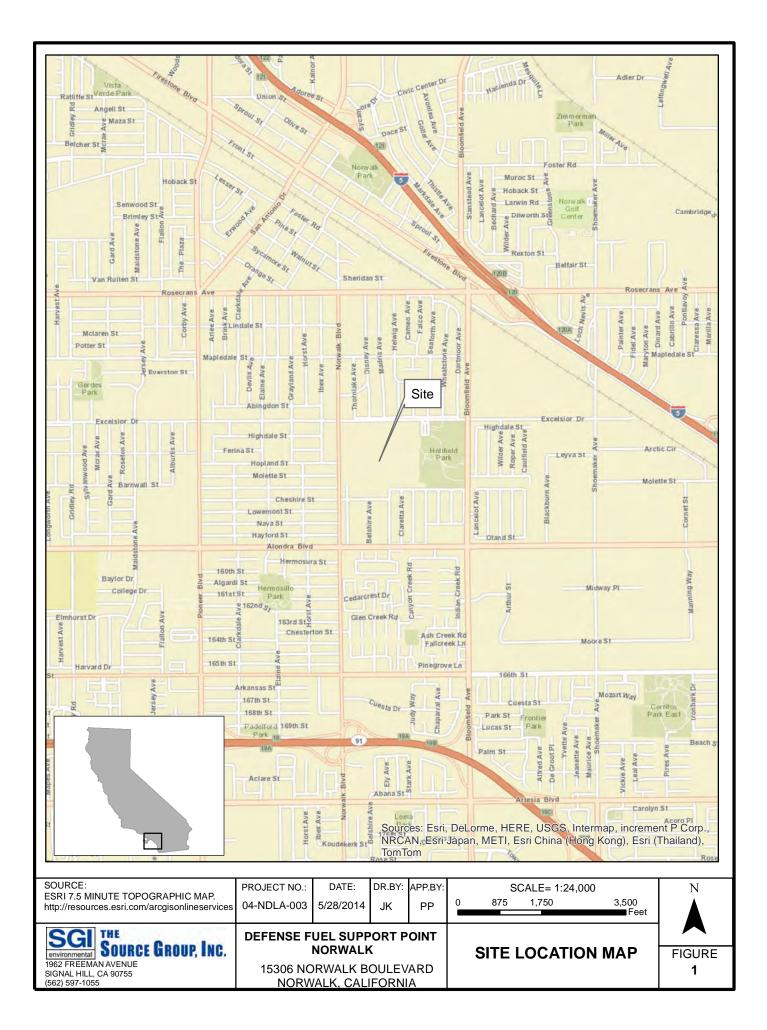
- Figure 1 Figure 2 Site Location Map
- Operations Status Map, March 31, 2016
- Table 1
- Summary of Excavations Baseline and Post-Treatment Sampling of Surface Soil Summary of Clean Soil Piles Summary of Treatment Soil Piles Summary of Off-Site Disposal or Treatment Table 2
- Table 3
- Table 4
- Table 5

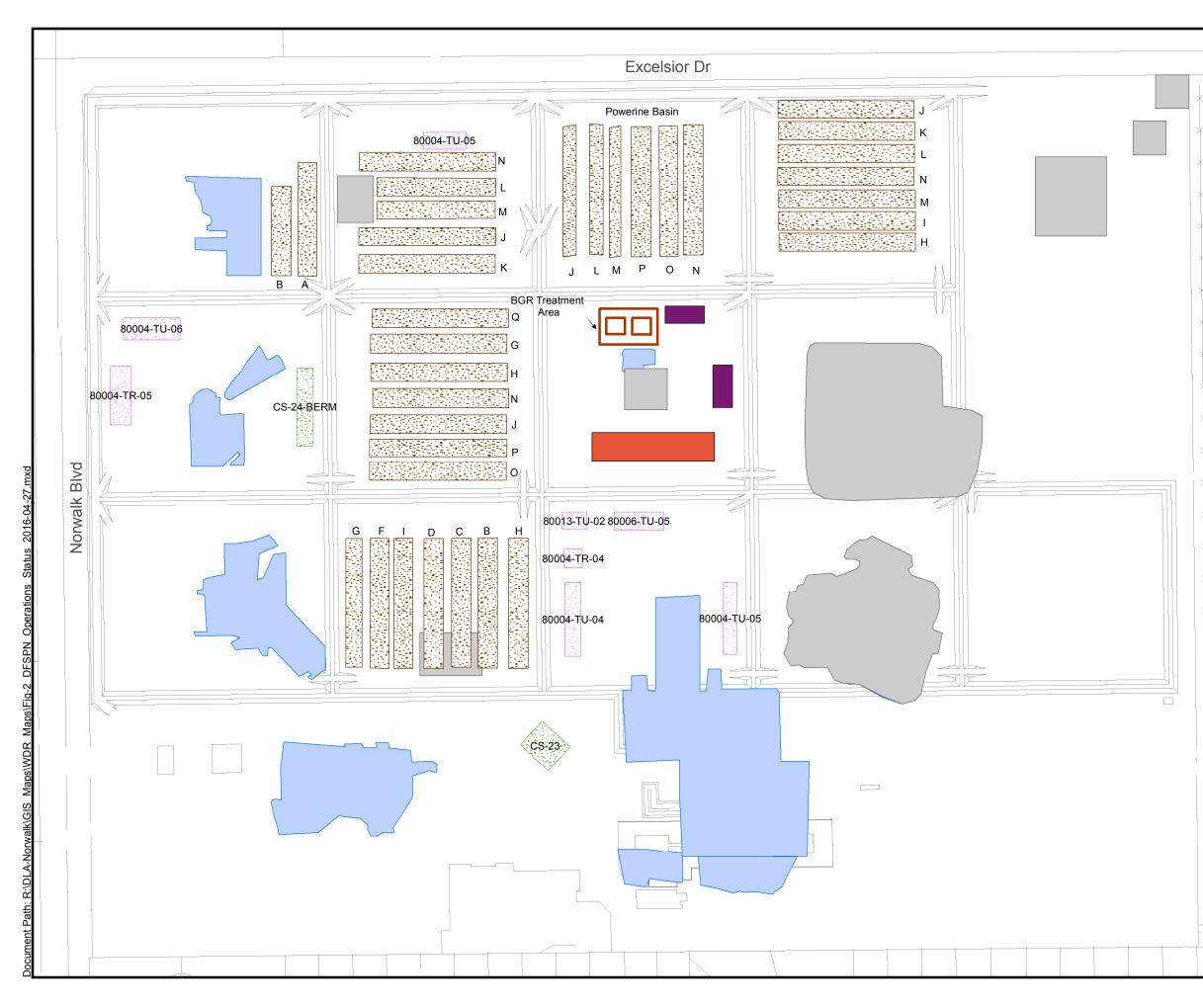
CC:

Mr. Nicholas Carros, DLA-E

Attachments

The Source Group, Inc.





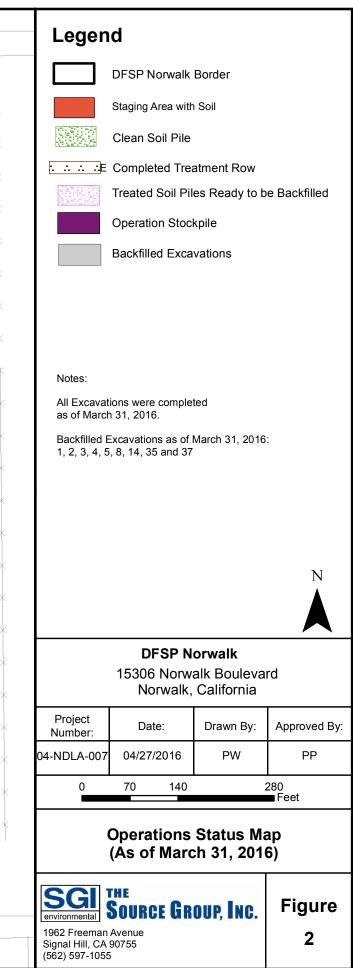


Table 1 Summary of Excavations-Status as of January 30, 2015 DFSP Norwalk 15306 Norwalk Boulevard Norwalk, CA 90650

Excavation	Location	Excavation Start Date	Excavation Complete Date	Total Excavated Volume (Approximate vds 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 Ecavation	Excavation Complete?	Backfilling Status	Notes
Phase 1												
EX-3	NE	03/18/15	03/19/15	1,042	Yes	435	607	Powerine Basin	Complete	Yes	Yes	Expanded into EX-14
EX-4	NE	03/30/15	03/30/15	1,845	Yes	143	1,702	Powerine Basin	Complete	Yes	Yes	Re-excavated areas > clean-up goals
EX-5	NE	04/03/15	04/07/15	340	Yes	315	25	Powerine Basin	Complete	Yes	Yes	
EX-14	NE	03/20/15	03/27/15	2,112	Yes	942	1,170	Powerine Basin	Complete	Yes	Yes	
							Phase 2					
EX-1	80002	04/01/15	04/03/15	556	No	541	15	Powerine Basin	Complete	Yes	Yes	Partially backfilled to allow for stormwater collection
EX-2	80007	03/31/15	04/01/15	1,095	No	23	1,072	Powerine Basin	Complete	Yes	Yes	
EX-8	80013	04/07/15	04/10/15	1,303	No	980	323	Powerine Basin	Complete	Yes	Yes	
					Excava	tions 35 and	37 Confirma	tion Sampling Report				
EX-35	80008	08/31/15	12/03/15	29,000	Yes	550	28,450	Powerine, 80002, 80006, 80004, & 80013	Complete	Yes	Yes	
EX-19/-37	55004	04/21/15	12/21/15	13,000	Yes	23	12,977	Powerine, 80002, 80006, 80004, & 80013	Complete	Yes	Yes	
							Pending	•			-	•
EX-6	80009	06/04/15	06/23/15	2,059	Yes	745	1,314	80004 & 80006 Basins	Complete	Yes	Pending	
EX-7	South West	12/30/15	02/02/16	11,543	Yes	4,969	6,574	80002 Basin	Pending	Yes	Pending	
EX-9	55003	06/15/15	07/07/15	1,900	No	1,234	666	80006 Basin	Complete	Yes	Pending	
EX-10	South Central	07/07/15	08/26/15	3,524	Yes	2,035	1,489	80004 & Powerine Basins	Complete	Yes	Pending	
EX-11	55004	04/13/15	04/20/15	1,765	No	740	1,025	80002 Basin	Complete	Yes	Yes	
EX-13	80001	05/21/15	06/11/15	3,722	Yes	624	3,098	80002 & 80006 Basins	Complete	Yes	Pending	
EX-15	80005	05/28/15	10/01/15	1,422	No	1,080	342	80006 Basin	Complete	Yes	Yes	
EX-15A	80005	11/05/15	11/09/15	952	Yes	0	952	Powerine & 80004 Basins	Pending	Yes	Pending	
EX-16	80008	05/13/15	05/14/15	1,865	No	1,865	0	N/A	Pending	Yes	Pending	
EX-17	80009	06/22/15	10/01/15	1,955	Yes	705	1,250	80004 & 80006 Basins	Pending	Yes	Pending	
EX-21	South Central	07/14/15	07/14/15	144	Yes	0	144	N/A	Complete	Yes	Pending	
EX-22	South Central	07/27/15	08/24/15	4,818	Yes	3,275	1,543	80006 & Powerine Basins	Pending	Yes	Pending	
EX-25	80007	01/27/15	01/28/15	520	Yes	0	520	80006 and 80013 Basins	Complete	Yes	Yes	
EX-26	80008	05/18/15	06/17/15	4,037	No	3,136	901	80002 Basin	Complete	Yes	Yes	
EX-27	80008	05/15/15	05/19/15	2,850	No	2,850	0	80002 Basin	Complete	Yes	Yes	
EX-28	80009	06/24/15	07/07/15	1,447	Yes	552	895	80004 Basin	Complete	Yes	Pending	
EX-38	South Central	10/07/15	12/07/15	21,080	Yes	3,358	17,722	80013	Pending	Yes	Pending	
							Previous					·
Truck Area Pilot tes	st		June 23-25 2014	472		272	200	-	N/A	No	n/a	All soil was hauled off site for disposal
Separator Area Pilo	ot Test		June 23-25 2014	20		10	10	-	N/A	No	n/a	All soil was hauled off site for disposal
			TOTAL	116,388		31,402***	84,482***					

* Verification of contaminant concentrations in assumed clean soil will follow RWQCB ition of contaminant concentrations in treated soil will follow RWQCB ***Volumes as excavated - volumes in soil piles likely higher due to fl

Table 2Baseline and Post-Treatment Sampling of Surface SoilDFSP Norwalk15306 Norwalk BoulevardNorwalk, 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
80001	80001-A-01	10/29/15	4	SB00198 to SB00201	Pending
80001	80001-B-01	11/02/15	4	SB00202 to SB205	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
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	4 80004-ROWF-SB158 to SB161	
80004	80004-G-01	07/10/15	4	80004-ROWG-SB162 to SB165	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-F-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
80013	80013-A-01	09/29/15	4	SB-174 to SB-177	Pending
80013	80013-B-01	09/30/15	4		
80013	80013-C-01	10/05/15	4 SB-182 to SB-185		Pending
80013	80013-D-01	10/07/15	4 SB-190 to SB-193		Pending
80013	80013-E-01	10/12/15	4	SB00194 to SB00197	Pending
80013	80013-F-01	12/2/15	4	SB00206 to SB00209	Pending
80013	80013-G-01	12/3/15	4	SB00210 to SB00213	Pending

Table 3Summary of Clean Soil StockpilesDFSP Norwalk15306 Norwalk BoulevardNorwalk, CA 90650

Pile Name	Location	Origin of Soil	Approximate Volume (cb yds)	Date Sampled	Number of Samples	Comments
C-CS-01-EX14-SP01	Northeast Corner	EX-02, -03, -14	933	05/05/15	34	Authorized for reuse July 2015, used for excavation backfill
C-CS-02A-EX11-SP01	Basin 80017	EX-11	900	05/28/15	39	Authorized for reuse July 2015
C-CS-04A-EX08-SP01	Basin 80013	EX-08	1,080	6/2/2015, 12/3/15	25	Authorization Pending
C-CS-06-EX06-SP01	Basin 80009	EX-06, -17, -28	2,033	09/21/15	27	Authorized for reuse December 2015
C-CS-08-EX13-SP01	Basin 80001	EX-13	670	09/23/15	21	Authorized for reuse December 2015
C-CS-09-EX01-SP01	Basin 80002	EX-01	500	06/04/15	20	Authorized for reuse January 2016
C-CS-10-EX05-SP01	Northeast Corner	EX-04, -05	600	04/30/15	35	Authorized for reuse July 2015, used for excavation backfill
C-CS-11-EX19-SP01	Basin 55006/80017	EX-19	1,850	05/28/15	31	Authorized for reuse August 2015. Moved to Basin 80017 on October 27.
C-CS-12-EX19-SP01	East	EX-16, -19, -26, -27	4,550	06/02/15	46	Authorized for reuse July 2015, parially reused for excavation backfill
C-CS-13-EX16-SP01	Basin 80005	EX-16, -27	1,130	06/01/15	29	Authorized for reuse August 2015
C-CS-14-EX26-SP01	Basin 80017	EX-26, -27	2,460	06/01/15	44	Authorized for reuse July 2015
C-CS-15-BERM-SP01	Basin 80017	Various Berms	5,264	12/7/15, 1/7/15	39	Authorization Pending
C-CS-16-EX15-SP01	Basin 80005	EX-15	1,200	06/03-04/15	28	Authorized for reuse January 2016
C-CS-17-EX15-SP01	Basin 80005	EX-15	116	09/22/15	10	Authorized for reuse December 2015
C-CS-18-EX09-SP01	Basin 55003	EX-09, -10, -22	7,991	09/21/15	37	Authorized for reuse December 2015
C-CS-19-EX27-SP01	Basin 55003/Northeast Corner	EX-27	-	-	-	Small pile (~1,000 yds ³) combined with CS-20.
C-CS-20-EX35-SP01	Northeast Corner	EX-15, -17, -35, -37	8,000	10/27-10/28/15	43	Authorized for reuse January 2016
C-CS-21-BERM-SP01	Basin 80001	Various Berms	104	12/15/15	5	Authorization Pending
C-CS-22-EX38-SP01	Southeast Area	EX-35, -37	3,855	12/15/15, 1/21/2016	30	Authorization Pending
C-CS-22A-EX38-SP01	Southeast Area	EX-38	376	12/15/15	15	Authorization Pending
C-CS-23-EX07-SP01	South Central Area	EX-07	4,429	03/14/16	32	Authorization Pending
C-CS-24-Berm	Basin 80005	Various Berms	3,500	-	-	Active

Table 4Summary of Treatment Soil PilesDFSP Norwalk15306 Norwalk BoulevardNorwalk, CA 90650

Location	Treatment Pile	Origin of Soil	Approximate Volume (yds ³)	Final Sampling Dates	Number of Samples	Sample ID	Comments	
	POWERINE-A	EX-01, -02, -05	984	07/20/15	35	T00106-T00140		
	POWERINE-B	EX-05, -08	918	07/20/15	35	T00071-T00105	Segregated and partially used for backfill of Excavation #2	
	POWERINE-C	EX-04, -14	757	07/15/15	35	T00036-T00070		
	POWERINE-D	EX-03, -14	792	07/16/05	35	T00001-T00035		
	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	Phase 5	
	POWERINE-H	EX-10, -22	892	10/22/15	35	T00841-T00875		
Powerine Basin	POWERINE-I	EX-10, -22 EX-10, -36	832	10/22/15	35	T00876-T00910	4	
	POWERINE-J		998	03/21/16	35		Dhase 0	
		EX-35, -36				T01611-T01645	Phase 9	
	POWERINE-K	EX-15A	1,024	01/08/16	35	T01261-T01295	Phase 7	
	POWERINE-L	EX-38	903	03/21/16	35	T01646-T01680	_	
	POWERINE-M	EX-38	805	03/21/16	35	T01681-T01715	Phase 9	
	POWERINE-N	EX-38, -37	926	03/22/16	35	T01716-T01750		
	POWERINE-0	EX-38	811	03/22/16	35	T01751-T01785		
	POWERINE-P	EX-7	1,162					
Basin 80001	80001-A	EX-38	1,087					
Dasin 00001	80001-B	EX-38	1,075					
	80002-A	EX-04, -26, -13	758	08/18/15	35	T00141-T00175	_	
	80002-B	EX-19	760	08/18/15	35	T00176-T00210	Segregated and used for backf	
	80002-C	EX-19	832	08/18/15	35	T00211-T00245	of Excavation #1, #2, and #8	
	80002-D 80002-E	EX-19 EX-11, -19	713 815	08/18/15 08/24/15	35 35	T00246-T00280 T00281-T00315	-	
	80002-E 80002-F	EX-11, -19 EX-35	920	12/08/15	35	T01121-T01155		
Basin 80002	80002-G	EX-35	753	12/07/15	35	T01051-T01085	Phase 6	
Basili 00002	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					
	80002-K 80002-L	EX-38 EX-37	828	03/22/16	35	T01786-T01820	Phase 9	
	80002-L	EX-7	978	03/22/10		101700-101020	1 1125 5	
	80002-N	EX-7	1,208					
	80004-A	EX-17, -06	858	09/28/15	35	T00491-T00525		
	80004-B	EX-06, -28	794	1014/15	35	T00631-T00665		
	80004-C	EX-28, -17	824	10/15/15	35	T00666-T00700		
	80004-D 80004-E	EX-17, -28, -04 EX-17	880 903	11/24/15 10/15/15	35 35	T00946-T00980 T00701-T00735	Phase 4	
	80004-E 80004-F	EX-17 EX-10, -28	862	09/30/15	35	T00526-T00560	-	
Desia 00004	80004-G	EX-28, -10	835	09/30/15	35	T00561-T00595	-	
Basin 80004	80004-H	EX-35, -37	891	03/09/16	35	T01576-T01610		
	80004-I	EX-37	891	03/03/16	35	T01505-T01540		
	80004-J	EX-38, -37	1,035	03/01/16	35	T01401-T01435	Dhase 0	
	80004-K 80004-L	EX-37 EX-37	868 903	02/16/16	35 35	T01366-T01400 T01436-T01470	Phase 8	
	80004-L	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	-	
	80006-A	EX-13, -15	731	08/24/15	35	T00316-T00350		
	80006-B	EX-13	761	08/24/15	35	T00351-T00385	Segregated and used for backf	
	80006-C	EX-13	731	08/25/15	35	T00386-T00420	of Excavation #1, #2, and #8	
	80006-D 80006-E	EX-13 EX-13, -09, -06, -17	791 775	08/25/15 08/25/15	35 35	T00421-T00455 T00456-T00490	-	
	80006-F	EX-13, -03, -00, -17 EX-22	834	10/14/15	35	T00596-T00630	Phase 4	
	80006-G	EX-35	936	03/23/16	35	T01821-T01855		
	80006-H	EX-35, -37	1,047	03/23/16	35	T01891-T01925	Phase 9	
Basin 80006	80006-I	EX-35	1,151	12/08/15	35	T01156-T01190	Phase 6	
	80006-J	EX-35	845	03/23/16	35	T01856-T01890	Phase 9	
	80006-K 80006-L	EX-35 EX-35, -37	868 845	01/08/16 12/08/15	35 35	T01226-T01260 T01191-T01225	Phase 7 Phase 6	
	80006-L 80006-M	EX-35, -57 EX-38	926	02/12/16	35	T01296-T01330	Phase 6 Phase 7	
	80006-N	EX-30	1,052	02.12.10				
	80006-O	EX-7	845					
	80006-P	EX-7	1,156					
	80006-Q	EX-25, 35, 7	556					

Table 4Summary of Treatment Soil PilesDFSP Norwalk15306 Norwalk BoulevardNorwalk, CA 90650

Location	Treatment Pile	Origin of Soil	Approximate Volume (yds ³)	Final Sampling Dates	Number of Samples	Sample ID	Comments	
	80013-A	EX-35, -37, -38	1,035	12/01/15	35	T01016-T01050	Phase 6	
	80013-B	EX-35	914	03/24/16	35	T01926-T01960	Phase 9	
	80013-C	EX-35	897	03/24/16	35	T01961-T01995	Filase 9	
Basin 80013	80013-D	EX-35	673					
Basili 60015	80013-E	EX-35	1,018	02/12/16	35	T01331-T01365	Phase 7	
	80013-F	EX-38, -13, -35	983					
	80013-G	EX-13, -35	1,070					
	80013-H	EX-37	1,116					

Table 5Summary of Off-Site Disposal or TreatmentDFSP Norwalk15306 Norwalk BoulevardNorwalk, CA 90650

Area of Soil	Date of Excavation Date of Haul		Weight (tons)	Soil Disposal Site	Comments			
Current - Q1 2016								
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 a	bandonment	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					