### WASTE DISCHARGE REQUIREMENTS PROGRESS REPORT Q2 2015

Defense Fuel Support Point Norwalk 15306 Norwalk Boulevard Norwalk, California 90650

GeoTracker Global ID# SLT43185183 (Order No. 90-148; File No. 90-60-145; Monitoring and Reporting Program CI-10118) 04-NDLA-007

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#### **CERTIFICATION STATEMENT**

I declare under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted.

Based upon my inquiry of the person or persons who manage the system or those directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment for knowing violations. [CWC Sections 13263, 13267, and 13268]

Executed on the 15h day of July, 2015 at Signal Hill

Paul Parmentier, P.G. Principal Geologist

The Source Group, Inc.

#### 1.0 INTRODUCTION

On behalf of the Defense Logistics Agency - Energy (DLA Energy), The Source Group, Inc. is submitting this *Second Quarter 2015 Waste Discharge Progress Report* at the Defense Fuel Support Point (DFSP) Norwalk site as required by the California Regional Water Quality Control Board (RWQCB) Order Number 90-148, CI-10118.

This report, in accordance with the *Onsite Soil Management Plan* (Parsons, 2012), includes details on the impacted soil excavation, disposal, and onsite soil reuse activities.

The RWQCB approved the Waste Discharge Requirements Permit (WDR) on February 6, 2015.

In February 2015, SGI submitted the technical document titled *Field Sampling and Analysis Plan* (Plan), dated February 11, 2015 to the Regional Water Quality Control Board (RWQCB), revised on April 10, 2015 and on June 15, 2015 (SGI, 2015a).

On July 9, 2015, SGI submitted to RWQCB a document to propose revised cleanup goals (Proposed Addendum to the Soil Cleanup Goals; Appendix A), and RWQCB indicated that these revised goals are acceptable (SGI, 2015b).

In addition to the Regional Board requirements, the soil treatment operations are also conducted in compliance with South Coast Air Quality Management District site-specific permit number 566483 and 568793.

#### 2.0 LAND TREATMENT

Excavation activities started on March 17, 2015. A summary of the treatment soil piles sampling, volumes, management and timeline is presented on Table 1. Figure 1 illustrates the location of the areas with soil excavation removal completed as of June 30, 2015. In addition to sampling of excavations and stockpiles, sampling also included baseline sampling of the surface soil in areas scheduled for treatment. The RWQCB was notified in advance of sampling events. As further described in the next section, Table 2 presents the results of progress sampling. No individual reports on excavation sampling, stockpile sampling or baseline sampling were prepared during this reporting period. Tables 1 and 2 will be updated in future reports to maintain a full record of all site excavations, sampling and back filling.

As summarized in Table 1, as of the end of Q2 2015, approximately 13,700 cubic yards of soil have been excavated and placed into treatment piles. Soil treatment, disposal, and confirmation of clean soil will be further documented in future reports.

#### 2.1 Cell Construction

#### 2.1.1 Surface Soil Baseline Sampling

Prior to construction of each soil treatment pile, the soil beneath the future treatment stockpile was sampled, as shown in Table 1, and analyzed to determine existing levels of hydrocarbons present. After soil treatment has been completed, this soil will be resampled and analyzed to evaluate if this native soil has been contaminated with hydrocarbons from the soil treatment operations.

#### 2.1.2 HDPE Liners

To further protect the soil beneath the treatment piles, 30mm high density polyethylene (HDPE) liners were placed six inches below the ground surface beneath the treatment piles.

#### 2.1.3 Cell Construction

As of June 30, 2015, 16 complete and 1 partial soil piles have been constructed on site. These consist of four treatment piles in the Powerine Basin cell, five treatment piles in each of the 80002 and 80006 cells, and two complete and one partial treatment piles in cell 80004.

#### 2.1.4 Cells: Plastic Cover

Once the treated soil has been placed in each treatment pile, the pile is covered with two layers of 6mm heavy duty plastic sheets and secured with sand bags.

#### 2.1.5 Storm Water Runoff Control

The treatment cells are located within bermed area. Where bermed areas are breached to allow for construction equipment access, a slope is maintained to ensure control of runoff. No significant rain event occurred this reporting period, and all site watering activities (conducted to control dust) are limited to prevent runoff.

#### 2.2 Soil Treatment

Contaminated soil is treated by processing through an Earth Cleaning Machine provided by F4 Remediation, Inc. As soil is fed into the machine, a mixture of non-toxic surfactant and non-pathogenic microbes is mixed throughout the soil, and the soil is then discharged for placement into piles within the treatment cells, as shown in the attached photos. Soil moisture is monitored in several ways, including monthly sampling and laboratory testing, tensiometer probe testing, and infrared imaging. Additional water and nutrients did not need to be added to the soil piles during the treatment period.

#### 2.2.1 Soil Moisture Monitoring

Soil moisture was monitored by tensiometer reading, visual inspection of moisture condensation on the inside surface of the pile cover, and confirmed by laboratory analyses (Table 2). An additional test of soil monitoring was also conducted using infrared imagery, and this monitoring method may be expanded in the future.

#### 2.2.2 Additional Water and Nutrients Addition

Based on field and laboratory testing results, no water and no nutrients were added to the treatment soil piles during Q2 2015.

#### 2.2.3 Soil Treatment Volume

As of June 30, 2015, 13,630 cubic yards of soil are in treatment. Table 1 lists the treatment soil pile volumes.

#### 2.3 Progress Sampling

Progress sampling events took place on May 17, June 17 and June 29. Table 2 shows the results from the first two sampling events for moisture, microbiology plate count, and TPH.

#### 2.4 Acceptance Sampling

The first treatment cycle has not been completed, and acceptance sampling has not yet been done.

#### 2.5 Post Treatment Sampling

Post treatment sampling has not yet been done.

#### 2.6 Exceptions to the Order

There were no exceptions to the Regional Board Order during this reporting period. The site's land treatment operations still fall within the order's guidelines of under 100,000 cubic yards treated and less than 365 days.

#### 3.0 REFERENCES

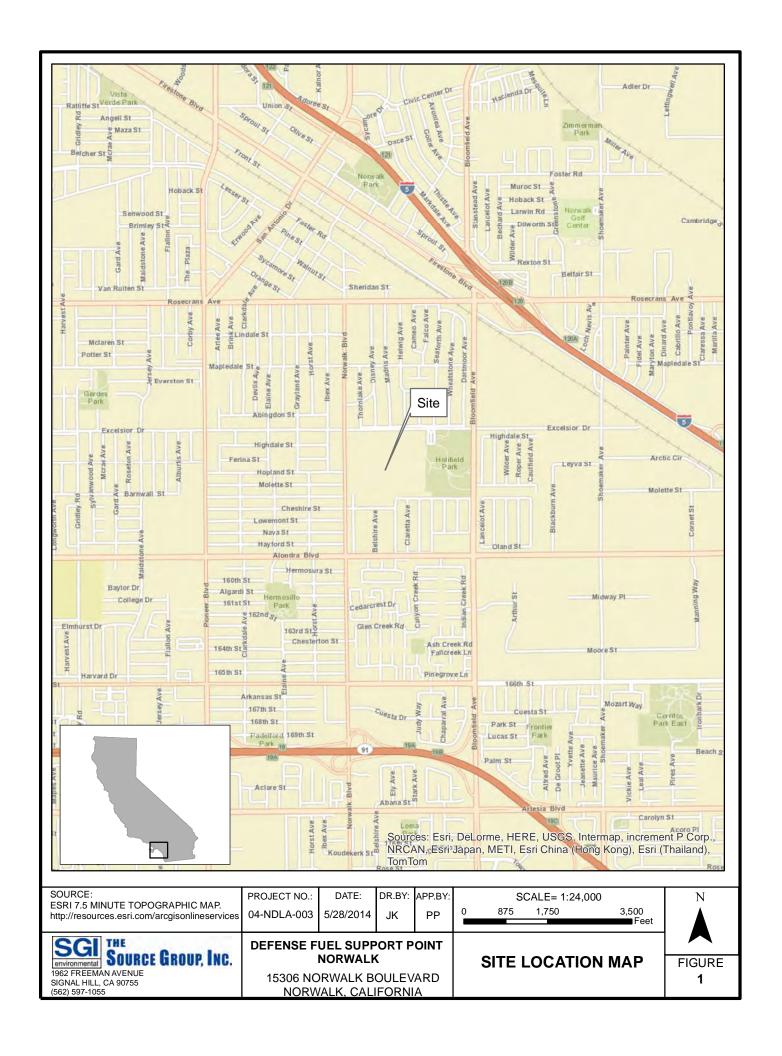
Parsons, 2012, Soil Management Plan, March 8.

Regional Water Quality Control Board, 2015, *General Waste Discharge Requirements for Onsite Treament of Contaminated Soil*, February 6.

The Source Group, Inc., 2015a., *Revised Field Sampling and Analysis Plan and Sampling Strategy*, June 15.

The Source Group, Inc., 2015b., Proposed Addendum to the Soil Cleanup Goals, July 9.





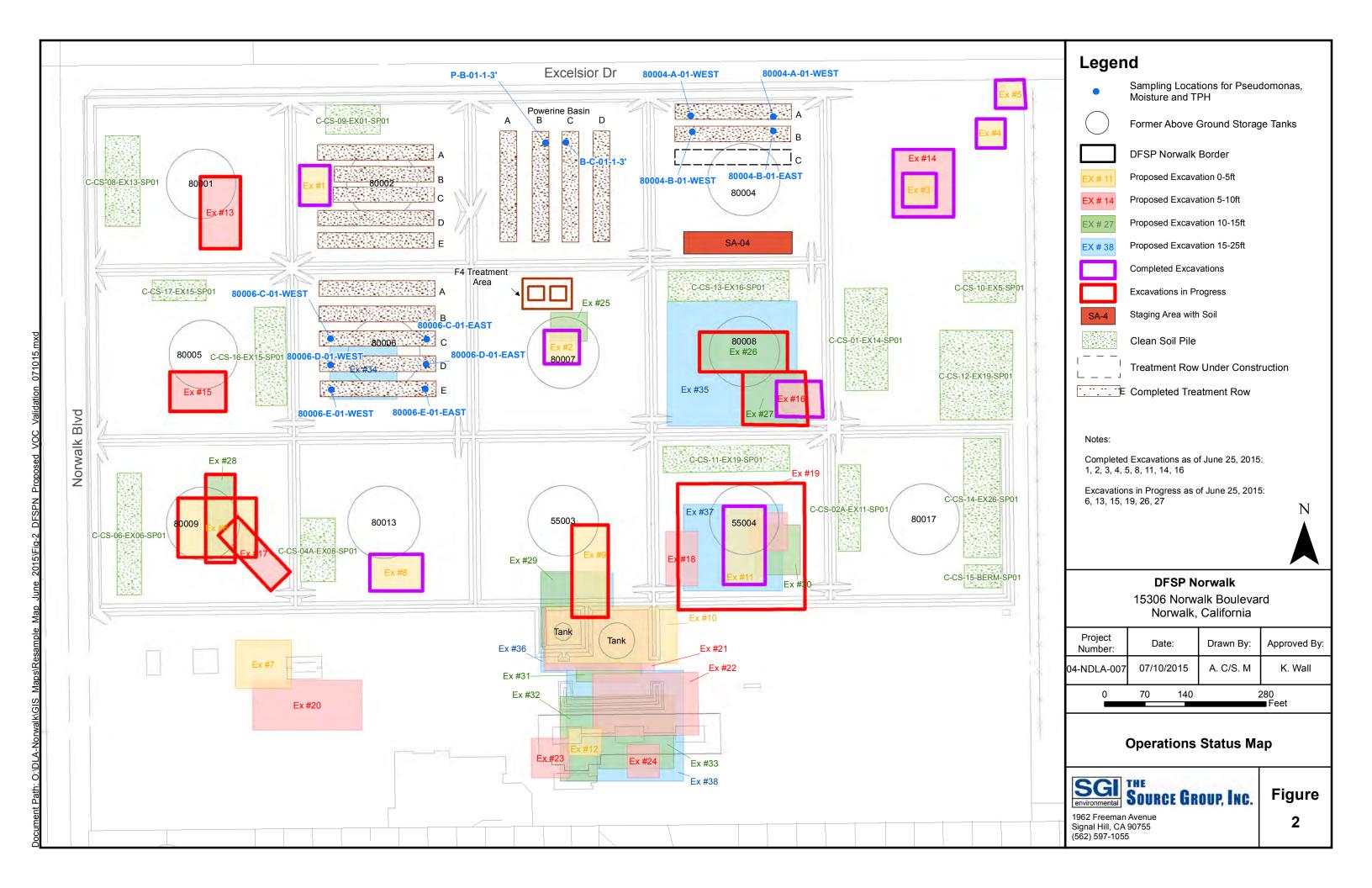




Table 1
Land Treatment Summary

Treatment Rows	Surface Soil Baseline Sampling Date	Volume (yd³)	Progress Sample Dates	Water & Nutrient Addition	Visual Inpection Dates	Storm Water Runoff Controlled?	Acceptance and Post Treatment Sampling
Powerine-A-01	1/26/15	984	5/12, 6/17, 6/29	None	Daily	Yes	Pending
Powerine-B-01	1/27/15	918	5/12, 6/17, 6/29	None	Daily	Yes	Pending
Powerine-C-01	1/28/15	855	5/12, 6/17, 6/29	None	Daily	Yes	Pending
Powerine-D-01	1/29/15	815	5/12, 6/17, 6/29	None	Daily	Yes	Pending
80002-A-01	5/11/15	287	5/12, 6/17, 6/29	None	Daily	Yes	Pending
80002-B-01	5/7/15	911	5/12, 6/17, 6/29	None	Daily	Yes	Pending
80002-C-01	4/24/15	926	5/12, 6/17, 6/29	None	Daily	Yes	Pending
80002-D-01	4/22/15	1122	5/12, 6/17, 6/29	None	Daily	Yes	Pending
80002-E-01	4/20/15	885	5/12, 6/17, 6/29	None	Daily	Yes	Pending
80006-A-01	5/21/15	730.5	5/12, 6/17, 6/29	None	Daily	Yes	Pending
80006-B-01	5/22/15	771	5/12, 6/17, 6/29	None	Daily	Yes	Pending
80006-C-01	5/28/15	731	5/12, 6/17, 6/29	None	Daily	Yes	Pending
80006-D-01	6/12/15	817	5/12, 6/17, 6/29	None	Daily	Yes	Pending
80006-E-01	6/12/15	799	5/12, 6/17, 6/29	None	Daily	Yes	Pending
80004-A-01	6/17/15	858	5/12, 6/17, 6/29	None	Daily	Yes	Pending
80004-B-01	6/17/15		5/12, 6/17, 6/29	None	Daily	Yes	Pending
80004-C-01	6/23/15	426*	5/12, 6/17, 6/29	None	Daily	Yes	Pending

Total Volume:

13629.5 \*Partial row

Table 2
Progress Sampling Results

Sample ID	Date Sampled	Moisture %	CFU/gm	TPH C6-C12 or GRO	TPH C13-C22	TPH C23-C32	TPH C33-C44	Comments
Cleanup Goals				100	100	1,000	10,000	
P-A-01-1-3' (North)	5/12/15	7.17	250	<1.0	10.6	68	74.5	
	130			-				Not tested for TPH based on previous data less
P-A-01-1-3' (North)	6/17/15	7.77	22,000	1-2-1	- 4		4	than cleanup goals
P-A-01-2-3' (South)	5/12/15	2.68	410	<1.0	18.7	108	123	
P-A-01-2-3' (South)	6/17/15	7.09	3,100	1 1/2	3	10.4		Not tested for TPH based on previous data less than cleanup goals
P-B-01-1-3' (North)	5/12/15	6.51	800	<1.0	113.4	315	144	
P-B-01-1-3' (North)	6/29/15	8.68	6,600	NA	60	260	190	
P-B-01-2-3' (South)	5/12/15	6.94	5,200	0.95	174.55	429	186.5	
P-B-01-2-3' (South)	6/17/15	6.87	40,000			F1.		Not tested for TPH based on previous data less than cleanup goals
P-C-01-1-3' (North)	5/12/15	3.82	90	13	702.5	1,355	850	
P-C-01-1-3' (North)	6/29/15	5.86	470	NA	470	1,200	810	
P-C-01-2-3' (South)	5/12/15	7.19	380	1.30	394.3	955	665	
P-C-01-2-3' (South)	6/17/15	7.79	69,000	_				Not tested for TPH based on previous data less than cleanup goals
P-D-01-1-3' (North)	5/12/15	6.39	320	<1.0	66.9	397.5	353	
P-D-01-1-3' (North)	6/17/15	5.79	27,000	5,		,		Not tested for TPH based on previous data less than cleanup goals
P-D-01-2-3' (South)	5/12/15	6.39	640	<1.0	3.65	30.15	36.6	
P-D-01-2-3' (South)	6/17/15	5.83	790	4		-	15	Not tested for TPH based on previous data less than cleanup goals
80002-A-01-East	6/17/15	11.89	710	NA	46	180	150	
80002-A-01-West	6/17/15	11.27	20,000	NA	79	240	150	
80002-B-01-East	6/17/15	15.29	400	NA	460	<10	<10	
80002-B-01-West	6/17/15	13.46	2,800	NA	<10	<10	<10	
80002-C-01-East	6/17/15	9.99	66,000	NA	15	59	49	
80002-C-01-West	6/17/15	11.94	4,600	NA	44	89	57	
80002-D-01-East	6/17/15	14.05	94,000	NA	1,800	700	320	
80002-D-01-West	6/17/15	10.77	100,000	NA	480	350	170	
80002-E-01-East	6/17/15	6.39	28,000	NA	100	88	33	
80002-E-01-West	6/17/15	6.82	29,000	NA	250	920	490	
80006-A-01-East	6/17/15	12.97	34,000	NA	<10	<10	<10	
80006-A-01-West	6/17/15	10.57	38,000	NA	<10	49	63	
80006-B-01-East	6/17/15	12.33	190,000	NA	17	<10	<10	
80006-B-01-West	6/17/15	10.89	54,000	NA	<10	<10	<10	
80006-C-01-East	6/29/15	12.77	510,000	NA	<10	<10	<10	
80006-C-01-West	6/29/15	13.47	720,000	NA	<10	<10	<10	
80006-D-01-East	6/29/15	15.04	280,000	NA	<10	<10	<10	
30006-D-01-West	6/29/15	13.26	320,000	NA	<10	<10	<10	
80006-E-01-East	6/29/15	13.09	25,000	NA	<10	56	68	
80006-E-01-West	6/29/15	15.17	120,000	NA	<10	<10	<10	
30004-A-01-East	6/29/15	10.44	8,000	NA	32	120	110	
30004-A-01-West	6/29/15	12.57	70,000	NA	<10	25	16	
30004-B-01-East	6/29/15	13.39	59,000	NA	<10	23	17	
80004-B-01-West	6/29/15	12.08	330,000	NA	96	140	100	

NA: Not Analyzed for GRO-TPH analyzed by 2015

# APPENDIX A PROPOSED ADDENDUM TO THE SOIL CLEANUP GOALS JUNE 15, 2015



Telephone: (562) 597-1055

Facsimile: (562) 597-1070

June 15, 2015

Paul Cho, P.G.
Water Resources Control Engineer
California Regional Water Quality Control Board, Site Cleanup Unit IV
Los Angeles Region
320 West 4<sup>th</sup> Street, Suite 200
Los Angeles, CA 90013

Subject: Proposed Addendum to the Soil Cleanup Goals

Defense Fuel Support Point Norwalk

15306 Norwalk Boulevard, Norwalk, California

(SCP NO. 0286A, Site ID NO. 16638)

#### Dear Mr. Cho:

On July 12, 2012, the LARWQCB approved soil cleanup goals for the former Defense Fuel Support Point (DFSP) Norwalk facility, located at 15306 Norwalk Boulevard, Norwalk, California. The approved cleanup goals included three ranges of total petroleum hydrocarbons (TPH), specifically C4-C12, C8-C17, and C5-C25 (where C represents carbon and the following number represents the number of carbons present in the hydrocarbon molecule).

However, longer chain hydrocarbons (C25 and greater) were not included in the list of approved site cleanup goals. To address the full range of hydrocarbons present in site soils, the Department of Logistics Agency - Energy (DLA Energy) and The Source Group, Inc. (SGI) reviewed the protocol used to develop the cleanup goals for soil.

The cleanup goals were based on the application of the LARWQCB's 1996 Interim Site Assessment and Cleanup guidebook (Guidebook). The Guidebook specifies that the soil cleanup goals should be calculated by the same general formula used by the United States Environmental Protection Agency (EPA) to calculate Soil Screening Levels (SSLs), as follows:

Soil cleanup goal = total attenuation factor x water quality standard

Table 4-1 of the Guidebook (Attachment A) includes maximum soil screening levels (SSL) for hydrocarbon compounds based on carbon range and depth to the underlying groundwater. As an example, at sites where the depth of the contamination is between 20 to 150 feet, the C13-C22 hydrocarbons is 1,000 milligrams per kilogram (mg/kg), whereas the longer chain hydrocarbons in the C23-C32 range, a SLS of 10,000 mg/kg is derived based on the greater attenuation rate for longer chain hydrocarbons. As the length of the hydrocarbon chains increases, the corresponding SSL also increases. Conversely, for a given hydrocarbon range,

as the depth to groundwater decreases so does the SSL (e.g., for the C13-C22 carbon range, the SSL for depth to groundwater between 20 and 150 feet is 1,000 mg/kg whereas the SLS decreases to 100 mg/kg when the depth to groundwater is less than 20 feet.

You will recall that the cleanup level approved for the Norwalk site with the longest-chain TPH values (C5-C25) is comparable to the SSL values provided for carbon range C13-C22 in the Guidebook Table 4-1. However, no cleanup goals were provided for longer chain hydrocarbon ranges in the July 12, 2012 correspondence. Below is a summary of the cleanup goals provided in the July 12, 2012, correspondence:

July 12, 2012 Approved Soil Cleanup Goals		(feet below ground surface)								
Depth Below Ground Surface	0.5	5	10	15	20	25				
Depth to Groundwater	25.5	21	16	11	6	1				
Constituent		Proposed :	Soil Cleanu	p TPH Goa	al (mg/kg)					
TPH as Gasoline (C4-C12)	500	500	100	100	100	100				
TPH as JP-5 (C8-C17)	500	500	100	100	100	100				
TPH as Diesel (C5-C25)	1,000	1,000	100	100	100	100				

Using the methodology used to develop SSL in the Guidebook, the cleanup goal for the longest chain hydrocarbons (C26-C44) would be up to an order of magnitude higher than the cleanup goal provided for the C23-C32 range in Table 4-1. The July 12, 2012, LARWQCB Soil Cleanup goal table for TPH concentrations is proposed to be reflect those levels provided in Table 4-1 of the RWQCB guidance as presented below.

Proposed Revised Soil Cleanup Goals		(feet below ground surface)								
Depth Below Ground Surface	0.5	5	10	15	20	25				
Depth to Groundwater	25.5	21	16	11	6	1				
Constituent	Proposed Soil Cleanup TPH Goal (mg/kg)									
Carbon Range (C4-12)	500	500	100	100	100	100				
Carbon Range (C13-C22)	1,000	1,000	100	100	100	100				
Carbon Range (C23-C32)	10,000	10,000	1,000	1,000	1,000	1,000				
Carbon Range (C33-C44)	50,000	50,000	10,000	10,000	10,000	10,000				

Carbon Ranges C4 to C12 concentrations will be determined with EPA Method 8260 analysis; Carbon Ranges C13 to C44 will be determined with EPA Method analysis.

We also recommend that the proposed cleanup goals for volatile components be modified to recognize common laboratory detection limits. We have prepared the attached table (Appendix B) that summarizes the cleanup goals for VOCs as provided in the July 12, 2012, and included state of California-certified laboratory American Analytics' typical detection limits for these compounds in soil. For those cleanup goals that are less than the detection limit, we have highlighted the values with red, bold font. It is proposed that cleanup goals be revised to reflect either the analytical laboratory detection limit or the current proposed cleanup goal, whichever value is higher.

DLA and SGI believe that this proposed cleanup goal addendum is consistent with site cleanup directives and the Guidebook, and we appreciate RWQCB's concurrence with this proposed

Mr. Paul Cho
LARWQCB
Page 3
June 15, 2015

addendum to allow for implementation of the soil remediation program underway at the site.

We appreciate the LARWQCB considering this request. If you have any questions, please call me at (562) 597-1055.

Sincerely,

Neil F. Irish, P.G. 5484 Principal Geologist The Source Group, Inc

Cc:

Mr. Nicolas Carros, DLA Energy File: DFSP Norwalk – 04-NDLA-007

Attachments: Attachment A - LARWQCB Interim Site Assessment and Cleanup

Guidebook Table 4-1

Attachment B - Table 1 - Comparison of Laboratory Detection Limits to

Soil Cleanup Goals - DFSP Norwalk

#### Attachment A

Table 4-1: Maximum Soil Screening Levels (mg/kg) for TPH, BTEX and MTBE above Drinking Water Aquifers

Т	Distance Above Groundwater	reening Levels (mg/kg) for	TPH, BTEX and MTBE ab Carbon Rai		
Р	aroundwater	C4-C12	C13-C22	C23-C	32
Н	>150 feet	1,000	10,000	50,000	1
	20-150 feet	500	1,000	10,000	
	<20 feet	100	100	1,000	
	Distance Above		Litho	logy	
	Groundwater	Gravel	Sand	Silt	Clay
	150 feet	B=0.044 T=2 E=8 X=23	B=0.077 T=4 E=17 X=48	B=0.165 T=9 E=34 X=93	B=0.8 T=43 E=170 X=465
		MTBE = 0.039	MTBE = 0.078	MTBE = 0.156	MTBE = 0.78
B T E X	120 feet	B=0.035 T=1.57 E=6.3 X=17.9 MTBE = 0.028	B=0.058 T=3.1 E=12.7 X=36 MTBE = 0.061	B=0.123 T=7 E=25.9 X=70.3 MTBE = 0.117	B=0.603 T=32 E=128 X=351 MTBE = 0.591
& M T	100 feet	B=0.028 T=1.3 E=5.1 X=14.4 MTBE = 0.020	B=0.046 T=2.57 E=9.86 X=28 MTBE = 0.05	B=0.094 T=5.4 E=20.4 X=55.1 MTBE = 0.091	B=0.471 T=25 E=101 X=276 MTBE = 0.464
BE	80 feet	B=0.022 T=1 E=4 X=11 MTBE = 0.013	B=0.033 T=2 E=7 X=20 MTBE = 0.039	B=0.066 T=4 E=15 X=40 MTBE = 0.065	B=0.34 T=18 E=73 X=200 MTBE = 0.338
	60 feet	B=0.018 T=0.72 E=2.9 X=7.9 MTBE = 0.013	B=0.026 T=1.4 E=4.9 X=13.9 MTBE = 0.03	B=0.048 T=2.8 E=10.7 X=28.4 MTBE = 0.048	B=0.241 T=13 E=52 X=141.5 MTBE = 0.247
	40 feet	B=0.015 T=0.43 E=1.8 X=4.8 MTBE = 0.013	B=0.018 T=0.87 E=2.8 X=7.8 MTBE = 0.022	B=0.029 T=1.6 E=6.3 X=16.9 MTBE = 0.03	B=0.143 T=7.5 E=30 X=83 MTBE = 0.156
	20 feet	B=0.011 T=0.15 E=0.7 X=1.75 MTBE = 0.013	B=0.011 T=0.3 E=0.7 X=1.75 MTBE = 0.013	B=0.011 T=0.45 E=2 X=5.3 MTBE = 0.013	B=0.044 T=2.3 E=9 X=24.5 MTBE = 0.065

<sup>•</sup> TPH = Total petroleum hydrocarbons.

<sup>•</sup> BTEX = benzene, toluene, ethylbenzene, and xylenes, respectively. MTBE = methyl tertiary butyl ether.

Respective MCLs (ppm): B=0.001, T=0.15, E=0.7, X=1.75, MTBE=0.013.

BTEX screening concentrations determined per the attenuation factor method as described in RWQCB Guidance for VOC Impacted Sites (March 1996), with a natural degradation factor of 11 for BTEX and of 3 for MTBE. Table

- values can be linearly interpolated between distance above groundwater and are proportional to fraction of each lithological thickness.
- Values in Table 4-1 are for soils above drinking water aquifers. All groundwaters are considered as drinking water resources unless exempted by one of the criteria as defined under SWRCB Resolution 88-63 (TDS>3000 mg/L, or deliverability <200 gal/day, or existing contamination that cannot be reasonably treated). Regional Board staff will make a determination of potential water use at a particular site considering water quality objectives and beneficial uses. For non-drinking water aquifers, regardless of depth, TPH for ">150 feet" category in the table should be used.
- Distance above groundwater must be measured from the highest anticipated water level. Lithology is based on the USCS scale.
- In areas of naturally-occurring hydrocarbons, Regional Board staff will make determinations on TPH levels.

(revised 1/7/05)

### ATTACHMENT B

#### TABLE 1 COMPARISON OF LABORATORY DETECTION LIMITS TO SOIL CLEANUP GOALS **DFSP Norwalk**

15306 Norwalk Boulevard, Norwalk, California

	Acetone	a tert-Amyl Methyl Ether (家 (TAME)	(mg/kg)	(mg/kg)	(bg/kgu)	bay Bromodichloromethane	(mg/kg)	(ba/kgu) Bromomethane	Bg/Sy/2 2-Butanone (MEK)	ම් රින් රින් රින්	Ba kg sec-Butylbenzene	ba) ka/kbutylbenzene	Ba kk Ó	(bk/signal))))))))))))))))))))))))))))))))))))	(barbon Tetrachloride	Chlorobenzene	Chloroethane	(mg/kg)	Chloromethane	(Eg/kg) 2-Chlorotoluene	(mg/kg) 4-Chlorotoluene	යි 1,2-Dibromo-3- රින් chloropropane	(Sylomochloromethane	By/Syl 1,2-Dibromoethane (EDB)
STD Lab D/L	<0.050	<0.0050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.0050
July 12, 2012 CGs (DTW = 25.5 ft bgs)	0.994	NE	0.015	NE	NE	NE	NE	0.0015	0.557	0.001	2.59	2.07	2.18	0.049	NE	0.119	2.23	0.0000738	NE	0.558	0.547	0.00025	NE	0.00000305
July 12, 2012 CGs (DTW = 1.0 ft bgs)	1.60	NE	0.012	NE	NE	NE	NE	0.0010	0.661	0.0016	0.129	0.110	0.114	0.023	NE	0.013	2.83	0.0000	NE	0.039	0.038	0.0000352	NE	0.00000096
STD Lab D/L  July 12, 2012 CGs (DTW = 25.5 ft bgs)  July 12, 2012 CGs (DTW = 1.0 ft bgs)	NE NE	NE NE	NE NE	NE NE	0.000.00 (My/gm) (M47) (	NE NE	(EDC) (mg/kg) <-0.0050 -0.00106 0.00000692	NE NE	BX Big Signary	BN B	NE NE	BN BN Bichloropropane	BZ	BZ	BZ B	NE NE	(DIPE) (D	(mg/kg) <0.0020 2.07	NE SE	(mg/kg) +0.010 NE NE	(MBK)  euouuaanuouuuaanuouuuuaanuouuuuaanuouuuuuuuu	enezueglikdoudosi (mg/kg) <0.0050 5.56 0.303	(mg/kg) <0.0050 2.82 0.154	
	entanone	hloride	Butyl Ether	a a	nzene		rachloroethane	rachloroethane	roethylene (PCE)		1,1,2-Trichloro-1,2,2- trifluoroethane (R113)	hlorobenzene	hlorobenzene	hloroethane	thloroethane	ethylene (TCE)	fluoromethane	1,2,3-Trichloropropane	4-Trimethylbenzene	methylbenzene	loride		enes	
STD Lab D/L	0.050 (MIBK)	(mg/kg)	B Methyl-tert- (MTBE)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg) (7,3-Tric	(mg/kg) (1,2,4-Tric	(mg/kg)	<0.0020 (mg/kg) 1,2-Tric	(mg/kg)	<0.0020 (mg/kg) (R11)	(mg/kg)	(mg/kg)	(mg/kg) <0.0050	(mg/kg)	(mg/kg)	(mg/kg)	
STD Lab D/L  July 12, 2012 CGs (DTW = 25.5 ft bgs)	NE (MIBK)	Methylene	Methyl-tert- (MTBE)	(mg/kg) <0.010	4		1,1,1	7,	Tetr			<0.0050 <0.0740	<0.0050 NE	1,1,1	7.		<0.0020 (mg/kg) (R11)		1,2,	(mg/kg) <0.0050	Vinyl	(mg/kg) <0.0020 5.55		

Notes:

STD Lab D/L = standard laboratory detection limit.

July 12, 2012 CGs (DTW = 25.5 ft bgs) = cleanup goals approved by RWQCB; DTW = 25.2 ft bgs.

DTW = depth to water.

ft bgs = feet below ground surface.
mg/kg = milligrams per kilogram.
RWQCB = Regional Water Quality Control Board.
NE = cleanup goal not established.
Red Font = STD Lab D/L is greater than the approved RWQCB Cleanup Goal.

APPENDIX B
PHOTOS



Photo 1: F4 Soil Treatment Equipment (left) and Nutrient/Microbes Trailer (right).



Photo 2: F4 Nutrient and Microbe mixing machine.



Photo 3: Treatment Soil Pile construction – View from F4 nutrient tank platform.



Photo 4: Soil Treatment Piles.



Photo 5: Soil Treatment Piles.



**Photo 6:** Example photo of Excavation (Excavation #2).



Photo 7: Liner emplacement under treatment stockpile.

# APPENDIX C MICROBIOLOGY LAB RESULTS

#### LABORATORY CERTIFICATE

Submitted By: THE SOURCE GROUP, INC.

1962 FREEMAN AVE. SIGNAL HILL, CA 90755

Attn: PAUL PARMENTIER

Printed: 05/21/2015

Lab No.: 051215-M361636

Report No.: 051215-M361636B

Order No.:

Received: 5/12/2015

Page: 1 of 1

REPORT#	PRODUCT / TEST	METHOD	RESULT	UNITS	START:DT
M361636-01	PA-01-1-3 SOIL TIME: 9:30AM DATE: 05/12/15				
	PSEUDOMONAS SPP.	SM9215C MODIFIED	250	/g	5/12/2015
	MOISTURE, AIR OVEN 101C	AOAC 950.46	7.17	%	5/12/2015
M361636-02	PA-01-2-3 SOIL TIME: 9:35AM DATE: 05/12/15		2.33		
	PSEUDOMONAS SPP.	SM9215C MODIFIED	410	/g	5/12/2015
	MOISTURE, AIR OVEN 101C	AOAC 950.46	2.68	%	5/12/2015
M361636-03	PB-01-1-3 SOIL TIME: 9:40AM DATE: 05/12/15				
	PSEUDOMONAS SPP.	SM9215C MODIFIED	800	/g	5/12/2015
	MOISTURE, AIR OVEN 101C	AOAC 950.46	6.51	%	5/12/2015
M361636-04	PB-01-2-3 SOIL TIME: 9:45AM DATE: 05/12/15				
	PSEUDOMONAS SPP.	SM9215C MODIFIED	5,200	/g	5/12/2015
	MOISTURE, AIR OVEN 101C	AOAC 950.46	6.94	%	5/12/2015
M361636-05	PC-01-1-3 SOIL TIME: 10:00AM DATE: 05/12/15		1 1 1 1 1		111
	PSEUDOMONAS SPP.	SM9215C MODIFIED	90	/g	5/12/2015
	MOISTURE, AIR OVEN 101C	AOAC 950.46	3.82	%	5/12/2015
M361636-06	PC-01-2-3 SOIL TIME: 10:10AM DATE: 05/12/15				3 - 3
	PSEUDOMONAS SPP.	SM9215C MODIFIED	380	/g	5/12/2015
	MOISTURE, AIR OVEN 101C	AOAC 950.46	7.19	%	5/12/2015
M361636-07	PD-01-1-3 SOIL TIME: 10:30AM DATE: 05/12/15				1000
	PSEUDOMONAS SPP.	SM9215C MODIFIED	320	/g	5/12/2015
	MOISTURE, AIR OVEN 101C	AOAC 950.46	6.39	%	5/12/2015
M361636-08	PD-01-2-3 SOIL TIME: 10:40AM DATE: 05/12/15				100
	PSEUDOMONAS SPP.	SM9215C MODIFIED	640	/g	5/12/2015
	MOISTURE, AIR OVEN 101C	AOAC 950.46	6.39	%	5/12/2015

<sup>\*</sup>The jobs \_x\_ were performed for internal R&D projects, not for regulatory submittals.

P.O. No.: 04-NDLA-007

## MICHELSON LABORATORIES, INC.

#### LABORATORY CERTIFICATE

Submitted By: THE SOURCE GROUP, INC.

1962 FREEMAN AVE. SIGNAL HILL, CA 90755

Attn: PAUL PARMENTIER

Printed: 07/06/2015

Lab No.: 061815-M366047 Report No.: 061815-M366047C

Order No.:

Received: 6/18/2015 Page: 1 of 2

REPORT#	PRODUCT / TEST	METHOD	RESULT	UNITS	START:DT
M366047-01	80006-A-01-EAST - SOIL DATE: 06/17/15				
	PSEUDOMONAS SPP.	SM9215C MODIFIED	34,000	/g	6/18/2015
	MOISTURE, AIR OVEN 101C	AOAC 950.46	12.97	%	6/18/2015
M366047-02	80006-A-01-WEST - SOIL DATE: 06/17/15				
	PSEUDOMONAS SPP.	SM9215C MODIFIED	38,000	/g	6/18/2015
	MOISTURE, AIR OVEN 101C	AOAC 950.46	10.57	%	6/18/2015
M366047-03	80006-B-01-EAST - SOIL DATE: 06/17/15	1,5100,01			1000
	PSEUDOMONAS SPP.	SM9215C MODIFIED	190,000	/g	6/18/2015
	MOISTURE, AIR OVEN 101C	AOAC 950.46	12.33	%	6/18/2015
M366047-04	80006-B-01-WEST - SOIL DATE: 06/17/15				1 7 7 7
	PSEUDOMONAS SPP.	SM9215C MODIFIED	54,000	/g	6/18/2015
	MOISTURE, AIR OVEN 101C	AOAC 950.46	10.89	%	6/18/2015
M366047-05	P-A-01-1-3-NORTH - SOIL DATE: 06/17/15				1000
	PSEUDOMONAS SPP.	SM9215C MODIFIED	22,000	/g	6/18/2015
	MOISTURE, AIR OVEN 101C	AOAC 950.46	7.77	%	6/18/2015
M366047-06	P-A-01-2-3-SOUTH - SOIL DATE: 06/17/15				20.7
	PSEUDOMONAS SPP.	SM9215C MODIFIED	3,100	/g	6/18/2015
	MOISTURE, AIR OVEN 101C	AOAC 950.46	7.09	%	6/18/201
M366047-07	P-B0-01-2-3-SOUTH SOIL DATE: 06/17/15		4.55		1.50
	PSEUDOMONAS SPP.	SM9215C MODIFIED	40,000	/g	6/18/2013
	MOISTURE, AIR OVEN 101C	AOAC 950.46	6.87	%	6/18/2015
M366047-08	P-C-01-2-3-SOUTH SOIL DATE: 06/17/15	A			1 2 3 3 4
	PSEUDOMONAS SPP.	SM9215C MODIFIED	69,000	/g	6/18/2015
	MOISTURE, AIR OVEN 101C	AOAC 950.46	7.79	%	6/18/2015
M366047-09	P-D-01-1-3-NORTH SOIL DATE: 06/17/15				
	PSEUDOMONAS SPP.	SM9215C MODIFIED	27,000	/g	6/18/2015
	MOISTURE, AIR OVEN 101C	AOAC 950.46	5.79	%	6/18/2015
M366047-10	P-D-01-2-3-SOUTH SOIL DATE: 06/17/15				
	PSEUDOMONAS SPP.	SM9215C MODIFIED	790	/g	6/18/2015

#### LABORATORY CERTIFICATE

Submitted By: THE SOURCE GROUP, INC.

1962 FREEMAN AVE.

SIGNAL HILL, CA 90755

Attn: PAUL PARMENTIER

Printed: 07/06/2015

Lab No.: 061815-M366047

Report No.: 061815-M366047C

Order No.:

Received: 6/18/2015

Page: 2 of 2

REPORT#	PRODUCT / TEST	METHOD	RESULT	UNITS	START:DT
	MOISTURE, AIR OVEN 101C	AOAC 950.46	5.83	%	6/18/2015

# MICHELSON LABORATORIES, INC.

Osmery Morales, Microbiology Asst Manager | 7/6/2015 5:54:00 PM

#### LABORATORY CERTIFICATE

Submitted By: THE SOURCE GROUP, INC.

1962 FREEMAN AVE. SIGNAL HILL, CA 90755 Attn: PAUL PARMENTIER Lab No.: 061815-M366046 Report No.: 061815-M366046B

Printed: 07/06/2015

Order No.:

Received: 6/18/2015 Page: 1 of 2

REPORT#	PRODUCT / TEST	METHOD	RESULT	UNITS	START:DT
M3660/6-01	80002-A-01-EAST - SOIL DATE: 06/17/15				
VI300040-01	PSEUDOMONAS SPP.	SM9215C MODIFIED	710	/g	6/18/201
	MOISTURE, AIR OVEN 101C	AOAC 950.46	11.89	%	6/18/201
M366046-02	80002-A-01-WEST - SOIL DATE: 06/17/15	none ess. is	11.00	7,0	0/10/201
	PSEUDOMONAS SPP.	SM9215C MODIFIED	20,000	/g	6/18/201
	MOISTURE, AIR OVEN 101C	AOAC 950.46	11.27	%	6/18/201
M366046-03	80002-B-01-EAST - SOIL DATE: 06/17/15	7.67.6.000.10		1,5	0, 10,20
	PSEUDOMONAS SPP.	SM9215C MODIFIED	400	/g	6/18/201
	MOISTURE, AIR OVEN 101C	AOAC 950.46	15.29	%	6/18/201
M366046-04	80002-B-01-WEST - SOIL DATE: 06/17/15	1316534010	1000	100	- At 1817-6
	PSEUDOMONAS SPP.	SM9215C MODIFIED	2,800	/g	6/18/201
	MOISTURE, AIR OVEN 101C	AOAC 950.46	13.46	%	6/18/201
M366046-05	80002-C-01-EAST - SOIL DATE: 06/17/15	E. 2-2442			75. 4-12.3
	PSEUDOMONAS SPP.	SM9215C MODIFIED	66,000	/g	6/18/201
	MOISTURE, AIR OVEN 101C	AOAC 950.46	9.99	%	6/18/201
M366046-06	80002-C-01-WEST - SOIL DATE: 06/17/15	15 254230	100		
	PSEUDOMONAS SPP.	SM9215C MODIFIED	4,600	/g	6/18/201
	MOISTURE, AIR OVEN 101C	AOAC 950.46	11.94	%	6/18/201
M366046-07	80002-D-01-EAST - SOIL DATE: 06/17/15				
	PSEUDOMONAS SPP.	SM9215C MODIFIED	94,000	/g	6/18/201
	MOISTURE, AIR OVEN 101C	AOAC 950.46	14.05	%	6/18/201
M366046-08	80002-D-01-WEST - SOIL DATE: 06/17/15	17.00			
	PSEUDOMONAS SPP.	SM9215C MODIFIED	100,000	/g	6/18/201
	MOISTURE, AIR OVEN 101C	AOAC 950.46	10.77	%	6/18/201
M366046-09	80002-E-01-EAST - SOIL DATE: 06/17/15				
	PSEUDOMONAS SPP.	SM9215C MODIFIED	28,000	/g	6/18/201
	MOISTURE, AIR OVEN 101C	AOAC 950.46	6.39	%	6/18/201
M366046-10	80002-E-01-WEST - SOIL DATE: 06/17/15				
	PSEUDOMONAS SPP.	SM9215C MODIFIED	29,000	/g	6/18/201

#### LABORATORY CERTIFICATE

Submitted By: THE SOURCE GROUP, INC.

1962 FREEMAN AVE.

SIGNAL HILL, CA 90755

Attn: PAUL PARMENTIER

Printed: 07/06/2015

Lab No.: 061815-M366046

Report No.: 061815-M366046B

Order No.:

Received: 6/18/2015

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REPORT#	PRODUCT / TEST	METHOD	RESULT	UNITS	START:DT
	MOISTURE, AIR OVEN 101C	AOAC 950.46	6.82	%	6/18/2015

# MICHELSON LABORATORIES, INC.

Osmery Morales, Microbiology Asst Manager | 7/6/2015 5:53:44 PM

#### LABORATORY CERTIFICATE

Submitted By: THE SOURCE GROUP, INC.

1962 FREEMAN AVE. SIGNAL HILL, CA 90755 Attn: PAUL PARMENTIER Printed: 07/06/2015 Lab No.: 062915-M367457

Report No.: 062915-M367457A Order No.:

Received: 6/29/2015 Page: 1 of 2

REPORT#	PRODUCT / TEST	METHOD	RESULT	UNITS	START:DT
M367457-01	SOIL 80006-C-01-EAST DATE: 06/29/15				
	PSEUDOMONAS SPP.	SM9215C MODIFIED	510,000	/g	6/29/201
	MOISTURE, AIR OVEN 101C	AOAC 950.46	12.77	%	6/29/201
M367457-02	SOIL 80006-C-01-WEST DATE: 06/29/15	7.67.6 555.15		7,9	0,20,201
	PSEUDOMONAS SPP.	SM9215C MODIFIED	720,000	/g	6/29/201
	MOISTURE, AIR OVEN 101C	AOAC 950.46	13.47	%	6/29/201
M367457-03	SOIL 80006-D-01-EAST DATE: 06/29/15	7.67.5 555.75	19,11		3,23,23
	PSEUDOMONAS SPP.	SM9215C MODIFIED	280,000	/g	6/29/201
	MOISTURE, AIR OVEN 101C	AOAC 950.46	15.04	%	6/29/201
M367457-04	SOIL 80006-D-01-WEST DATE: 06/29/15	100000000000000000000000000000000000000	20.25	1.02	10000000
	PSEUDOMONAS SPP.	SM9215C MODIFIED	320,000	/g	6/29/201
	MOISTURE, AIR OVEN 101C	AOAC 950.46	13.26	%	6/29/201
M367457-05	SOIL 80006-E-01-EAST DATE: 06/29/15	W-3-3-4-2			1
	PSEUDOMONAS SPP.	SM9215C MODIFIED	25,000	/g	6/29/201
	MOISTURE, AIR OVEN 101C	AOAC 950.46	13.09	%	6/29/201
M367457-06	SOIL 80006-E-01-WEST DATE: 06/29/15	17.232.00			
	PSEUDOMONAS SPP.	SM9215C MODIFIED	120,000	/g	6/29/201
	MOISTURE, AIR OVEN 101C	AOAC 950.46	15.17	%	6/29/201
M367457-07	SOIL 80004-A-01-EAST DATE: 06/29/15				
	PSEUDOMONAS SPP.	SM9215C MODIFIED	8,000	/g	6/29/201
	MOISTURE, AIR OVEN 101C	AOAC 950.46	10.44	%	6/29/201
M367457-08	SOIL 80004-A-01-WEST DATE: 06/29/15				V Y
	PSEUDOMONAS SPP.	SM9215C MODIFIED	70,000	/g	6/29/201
	MOISTURE, AIR OVEN 101C	AOAC 950.46	12.57	%	6/29/201
	SOIL 80004-B-01-EAST DATE: 06/29/15				
	PSEUDOMONAS SPP.	SM9215C MODIFIED	59,000	/g	6/29/201
	MOISTURE, AIR OVEN 101C	AOAC 950.46	13.39	%	6/29/201
M367457-10	SOIL 80004-B-01-WEST DATE: 06/29/15				
	PSEUDOMONAS SPP.	SM9215C MODIFIED	330,000	/g	6/29/201

#### LABORATORY CERTIFICATE

Submitted By: THE SOURCE GROUP, INC.

1962 FREEMAN AVE.

SIGNAL HILL, CA 90755

Attn: PAUL PARMENTIER

Printed: 07/06/2015

Lab No.: 062915-M367457

Report No.: 062915-M367457A

Order No.:

Received: 6/29/2015

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REPORT #	PRODUCT / TEST	METHOD	RESULT	UNITS	START:DT
M367457-11	MOISTURE, AIR OVEN 101C SOIL P-B-01-1-3' DATE: 06/29/15	AOAC 950.46	12.08	%	6/29/2015
	PSEUDOMONAS SPP.	SM9215C MODIFIED	6,600	/g	6/29/2015
	MOISTURE, AIR OVEN 101C	AOAC 950.46	8.68	%	6/29/2015
M367457-12	SOIL P-C-01-1-3' DATE: 06/29/15				
	PSEUDOMONAS SPP.	SM9215C MODIFIED	470	/g	6/29/2015
	MOISTURE, AIR OVEN 101C	AOAC 950.46	5.86	%	6/29/2015

<sup>\*</sup>P.O. No.: 04-NDLA-007

# MICHELSON LABORATORIES, INC.

Osmery Morales, Microbiology Asst Manager | 7/6/2015 5:54:18 PM

# APPENDIX D TPH LAB RESULTS



9765 Eton Avenue Chatsworth California 91311 Tel: (818) 998-5547

Fax: (818) 998-7258

May 21, 2015

Neil Irish The Source Group, Inc. (SH) 1962 Freeman Ave. Signal Hill, CA 90755

Re: DFSP Norwalk Soil Remediation / 04-NDLA-007

A5331345 / 5E19005

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 05/19/15 13:10 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Assurance Program Manual, applicable standard operating procedures, and other related documentation. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report or require additional information please call me at American Analytics.

Sincerely,

Viorel Vasile

**Operations Manager** 



Client:The Source Group, Inc. (SH)AA Project No: A5331345Project No:04-NDLA-007Date Received: 05/19/15Project Name:DFSP Norwalk Soil RemediationDate Reported: 05/21/15

				zato Nopo	
Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
8260B TPHGASOLINE					
P-A-01-1-3'	5E19005-01	Soil	2	05/12/15 00:00	05/19/15 13:10
P-A-01-2-3'	5E19005-02	Soil	2	05/12/15 00:00	05/19/15 13:10
P-B-01-1-3'	5E19005-03	Soil	2	05/12/15 00:00	05/19/15 13:10
P-B-01-2-3'	5E19005-04	Soil	2	05/12/15 00:00	05/19/15 13:10
P-C-01-1-3'	5E19005-05	Soil	2	05/12/15 00:00	05/19/15 13:10
P-C-01-2-3'	5E19005-06	Soil	2	05/12/15 00:00	05/19/15 13:10
P-D-01-1-3'	5E19005-07	Soil	2	05/12/15 00:00	05/19/15 13:10
P-D-01-2-3'	5E19005-08	Soil	2	05/12/15 00:00	05/19/15 13:10
Baseline-C-CS-01	5E19005-09	Soil	2	05/12/15 00:00	05/19/15 13:10
Carbon Chain Characteriza	<u>ition 8015M</u>				
P-A-01-1-3'	5E19005-01	Soil	2	05/12/15 00:00	05/19/15 13:10
P-A-01-2-3'	5E19005-02	Soil	2	05/12/15 00:00	05/19/15 13:10
P-B-01-1-3'	5E19005-03	Soil	2	05/12/15 00:00	05/19/15 13:10
P-B-01-2-3'	5E19005-04	Soil	2	05/12/15 00:00	05/19/15 13:10
P-C-01-1-3'	5E19005-05	Soil	2	05/12/15 00:00	05/19/15 13:10
P-C-01-2-3'	5E19005-06	-06 Soil		05/12/15 00:00	05/19/15 13:10
P-D-01-1-3'	5E19005-07	Soil	2	05/12/15 00:00	05/19/15 13:10
P-D-01-2-3'	5E19005-08	Soil	2	05/12/15 00:00	05/19/15 13:10





Client:The Source Group, Inc. (SH)AA Project No: A5331345Project No:04-NDLA-007Date Received: 05/19/15Project Name:DFSP Norwalk Soil RemediationDate Reported: 05/21/15

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
Baseline-C-CS-01	5E19005-09	Soil	2	05/12/15 00:00	05/19/15 13:10

A



Client:The Source Group, Inc. (SH)AA Project No: A5331345Project No:04-NDLA-007Date Received: 05/19/15Project Name:DFSP Norwalk Soil RemediationDate Reported: 05/21/15

Method: TPH	Gasoline by GC/MS			Unit	s: mg/kg
Date Sampled:	05/12/15	05/12/15	05/12/15	05/12/15	
Date Prepared:	05/19/15	05/19/15	05/19/15	05/19/15	
Date Analyzed:	05/19/15	05/19/15	05/19/15	05/19/15	
AA ID No:	5E19005-01	5E19005-02	5E19005-03	5E19005-04	
Client ID No:	P-A-01-1-3'	P-A-01-2-3'	P-B-01-1-3'	P-B-01-2-3'	
Matrix:	Soil	Soil	Soil	Soil	
Dilution Factor:	1	1	1	1	MRL
8260B TPHGASOLINE	E (EPA 8260B)				
Gasoline Range Organ (GRO)	ics <0.50	<0.50	<0.50	<0.50	0.50
<u>Surrogates</u>					%REC Limits
4-Bromofluorobenzene	109%	116%	116%	110%	70-140
Toluene-d8	98%	101%	102%	100%	70-140





Client: The Source Group, Inc. (SH)

Project No: 04-NDLA-007

Project Name: DFSP Norwalk Soil Remediation

AA Project No: A5331345

Date Received: 05/19/15

Date Reported: 05/21/15

				24.0.10	Perteur 00/= // /0
Method: T	PH Gasoline by GC/MS				Units: mg/kg
Date Sampled:	05/12/15	05/12/15	05/12/15	05/12/15	
Date Prepared:	05/19/15	05/19/15	05/19/15	05/19/15	
Date Analyzed:	05/19/15	05/19/15	05/19/15	05/19/15	
AA ID No:	5E19005-05	5E19005-06	5E19005-07	5E19005-08	
Client ID No:	P-C-01-1-3'	P-C-01-2-3'	P-D-01-1-3'	P-D-01-2-3'	
Matrix:	Soil	Soil	Soil	Soil	
Dilution Factor:	1	1	1	1	MRL
8260B TPHGASO	LINE (EPA 8260B)				
Gasoline Range O (GRO)	rganics <0.50	<0.50	<0.50	<0.50	0.50
Surrogates					%REC Limits
4-Bromofluorobenz	zene 133%	124%	127%	106%	70-140
Toluene-d8	102%	104%	103%	97%	70-140





Method:

### LABORATORY ANALYSIS RESULTS

Client:The Source Group, Inc. (SH)AA Project No: A5331345Project No:04-NDLA-007Date Received: 05/19/15Project Name:DFSP Norwalk Soil RemediationDate Reported: 05/21/15

Units: mg/kg

 Date Sampled:
 05/12/15

 Date Prepared:
 05/19/15

 Date Analyzed:
 05/19/15

 AA ID No:
 5E19005-09

 Client ID No:
 Baseline-C-CS-0

TPH Gasoline by GC/MS

1

Matrix: Soil

Dilution Factor: 1 MRL

8260B TPHGASOLINE (EPA 8260B)

Gasoline Range Organics < 0.50 0.50

(GRO)

Surrogates%REC Limits4-Bromofluorobenzene134%70-140Toluene-d8113%70-140

A



Method:

### **LABORATORY ANALYSIS RESULTS**

Client:The Source Group, Inc. (SH)AA Project No: A5331345Project No:04-NDLA-007Date Received: 05/19/15Project Name:DFSP Norwalk Soil RemediationDate Reported: 05/21/15

Carbon Chain by GC/FID Units: mg/kg

1711 (00-044)	130	250	370	790	10
C40-C44 TPH (C6-C44)	15 150	33 250	23 570	35 790	1.0 10
C36-C40	30	44	54	<b>72</b>	1.0
C34-C36	18	29	41	52	1.0
C32-C34	23	34	52	55	1.0
C28-C32	34	53	140	190	1.0
C26-C28	12	19	69	99	1.0
C24-C26	7.2	13	54	80	1.0
C22-C24	6.6	12	52	65	1.0
C20-C22	5.9	8.8	45	67	1.0
C18-C20	1.4	2.6	24	38	1.0
C16-C18	<1.0	1.3	13	30	1.0
C14-C16	<1.0	<1.0	5.4	6.1	1.0
C12-C14	<1.0	<1.0	<1.0	1.9	1.0
C10-C12	<1.0	<1.0	<1.0	<1.0	1.0
C8-C10	<1.0	<1.0	<1.0	<1.0	1.0
C6-C8	<1.0	<1.0	<1.0	<1.0	1.0
Carbon Chain Character	ization 8015M (EPA 8	<u>015M)</u>			
Dilution Factor:	1	1	1	1	MRL
Matrix:	Soil	Soil	Soil	Soil	
Client ID No:	P-A-01-1-3'	P-A-01-2-3'	P-B-01-1-3'	P-B-01-2-3'	
AA ID No:	5E19005-01	5E19005-02	5E19005-03	5E19005-04	
Date Analyzed:	05/20/15	05/20/15	05/20/15	05/20/15	
Date Prepared:	05/19/15	05/19/15	05/19/15	05/19/15	
Date Sampled:	05/12/15	05/12/15	05/12/15	05/12/15	

102%

95%

136%

107%

50-150



Viorel Vasile Operations Manager

o-Terphenyl



Client:The Source Group, Inc. (SH)AA Project No: A5331345Project No:04-NDLA-007Date Received: 05/19/15

Project Name: DFSP Norwalk Soil Remediation Date Reported: 05/21/15

Method: Carbon Chain by GC/FID Units: mg/kg

Welliou. Carbon	I Chain by GC/FID			Onn	.s. mg/kg
Date Sampled:	05/12/15	05/12/15	05/12/15	05/12/15	
Date Prepared:	05/19/15	05/19/15	05/19/15	05/19/15	
Date Analyzed:	05/20/15	05/20/15	05/20/15	05/20/15	
AA ID No:	5E19005-05	5E19005-06	5E19005-07	5E19005-08	
Client ID No:	P-C-01-1-3'	P-C-01-2-3'	P-D-01-1-3'	P-D-01-2-3'	
Matrix:	Soil	Soil	Soil	Soil	
Dilution Factor:	1	1	1	1	MRL
Carbon Chain Characte	erization 8015M (EPA 8	8015M)			
C6-C8	<1.0	<1.0	<1.0	<1.0	1.0
C8-C10	<1.0	<1.0	<1.0	<1.0	1.0
C10-C12	1.5	<1.0	<1.0	<1.0	1.0
C12-C14	23	2.6	<1.0	<1.0	1.0
C14-C16	66	24	<1.0	<1.0	1.0
C16-C18	140	59	3.4	<1.0	1.0
C18-C20	160	110	20	<1.0	1.0
C20-C22	220	130	27	2.4	1.0
C22-C24	210	140	33	2.5	1.0
C24-C26	240	140	34	2.8	1.0
C26-C28	280	200	92	6.8	1.0
C28-C32	620	460	210	15	1.0
C32-C34	220	170	90	8.6	1.0
C34-C36	220	180	80	8.3	1.0
C36-C40	330	250	140	14	1.0
C40-C44	190	150	88	10	1.0
TPH (C6-C44)	2900	2000	820	70	10
<u>Surrogates</u>					%REC Limits
o-Terphenyl	53%	56%	89%	99%	50-150





Client: The Source Group, Inc. (SH)

Project No: 04-NDLA-007

Project Name: DFSP Norwalk Soil Remediation

Method: Carbon Chain by GC/FID

AA Project No: A5331345

Date Received: 05/19/15

Date Reported: 05/21/15

Units: mg/kg

 Date Sampled:
 05/12/15

 Date Prepared:
 05/19/15

 Date Analyzed:
 05/20/15

 AA ID No:
 5E19005-09

 Client ID No:
 Baseline-C-CS-0

1

Matrix: Soil

**Dilution Factor:** 1 MRL

Carbon Chain Characte	rization 8015M (EPA 8015M)	
C6-C8	<1.0	1.0
C8-C10	1.8	1.0
C10-C12	2.3	1.0
C12-C14	2.3	1.0
C14-C16	43	1.0
C16-C18	16	1.0
C18-C20	11	1.0
C20-C22	15	1.0
C22-C24	22	1.0
C24-C26	42	1.0
C26-C28	48	1.0
C28-C32	130	1.0
C32-C34	67	1.0
C34-C36	63	1.0
C36-C40	100	1.0
C40-C44	73	1.0
TPH (C6-C44)	640	10

Surrogates%REC Limitso-Terphenyl84%50-150

A



Client: The Source Group, Inc. (SH) **Project No:** 

Project Name: DFSP Norwalk Soil Remediation

AA Project No: A5331345 04-NDLA-007 Date Received: 05/19/15 Date Reported: 05/21/15

		Reporting	I I a lite		Source	%REC	DDC	RPD	Matas
Analyte	Result	Limit	Units	Level	Result %REC	Limits	RPD	Limit	Notes
TPH Gasoline by GC/MS - Quality (	Control								
Batch B5E1905 - EPA 5035									
Blank (B5E1905-BLK1)				Prepare	ed & Analyzed: 0	5/19/15			
Gasoline Range Organics (GRO)	<0.50	0.50	mg/kg						
Surrogate: 4-Bromofluorobenzene	0.107		mg/kg	0.10	107	70-140			
Surrogate: Toluene-d8	0.101		mg/kg	0.10	101	70-140			
LCS (B5E1905-BS1)				Prepare	ed & Analyzed: 0				
Gasoline Range Organics (GRO)	0.972	0.50	mg/kg	1.0	97.2	75-125			
Surrogate: 4-Bromofluorobenzene	0.0993		mg/kg	0.10	99.3	70-140			
Surrogate: Toluene-d8	0.100		mg/kg	0.10	100	70-140			
LCS Dup (B5E1905-BSD1)				Prepare	ed & Analyzed: 0	5/19/15			
Gasoline Range Organics (GRO)	0.990	0.50	mg/kg	1.0	99.0	75-125	1.80	40	
Surrogate: 4-Bromofluorobenzene	0.101		mg/kg	0.10	101	70-140			
Surrogate: Toluene-d8	0.0997		mg/kg	0.10	99.7	70-140			
Matrix Spike (B5E1905-MS1)	•	Source: 5E1	5018-01	Prepare	ed & Analyzed: 0	5/19/15			
Gasoline Range Organics (GRO)	1.85	0.50	mg/kg	1.0	178	70-130			
Surrogate: 4-Bromofluorobenzene	0.102		mg/kg	0.10	98.2	70-140			
Surrogate: Toluene-d8	0.102		mg/kg	0.10		70-140			
Matrix Spike Dup (B5E1905-MSD			5018-01		ed & Analyzed: 0				
Gasoline Range Organics (GRO)	1.71	0.50	mg/kg	0.94	181	70-130	7.98	40	
Surrogate: 4-Bromofluorobenzene			mg/kg	0.094	99.0	70-140			
Surrogate: Toluene-d8	0.0939		mg/kg	0.094	99.5	70-140			
Carbon Chain by GC/FID - Quality	Control								
Batch B5E1910 - EPA 3550B									
Blank (B5E1910-BLK1)				Prepare	ed: 05/19/15 Ana	alyzed: 05	5/20/15		
C6-C8	<1.0	1.0	mg/kg						
C8-C10	<1.0	1.0	mg/kg						
C10-C12	<1.0	1.0	mg/kg						
C12-C14	<1.0	1.0	mg/kg						
C14-C16	<1.0	1.0	mg/kg						
C16-C18	<1.0	1.0	mg/kg						





Client:The Source Group, Inc. (SH)AA Project No: A5331345Project No:04-NDLA-007Date Received: 05/19/15Project Name:DFSP Norwalk Soil RemediationDate Reported: 05/21/15

Analyte Res		Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Carbon Chain by GC/FID - Quality Cont	trol									•
Batch B5E1910 - EPA 3550B										
Blank (B5E1910-BLK1) Continued				Prepare	ed: 05/19/	'15 Ana	alyzed: 05	5/20/15		
C18-C20 <	:1.0	1.0	mg/kg							
C20-C22 <	:1.0	1.0	mg/kg							
C22-C24 <	:1.0	1.0	mg/kg							
C24-C26 <	:1.0	1.0	mg/kg							
C26-C28 <	:1.0	1.0	mg/kg							
C28-C32 <	:1.0	1.0	mg/kg							
C32-C34 <	:1.0	1.0	mg/kg							
C34-C36 <	:1.0	1.0	mg/kg							
C36-C40 <	1.0	1.0	mg/kg							
C40-C44 <	1.0	1.0	mg/kg							
TPH (C6-C44)	<10	10	mg/kg							
Surrogate: o-Terphenyl 7	7.23		mg/kg	10		72.3	50-150			
LCS (B5E1910-BS1)				Prepare	ed: 05/19/	'15 Ana	alyzed: 05	5/20/15		
Diesel Range Organics as Diesel	167	10	mg/kg	200		83.5	75-125			
Surrogate: o-Terphenyl 9	9.16		mg/kg	10		91.6	50-150			
LCS Dup (B5E1910-BSD1)				Prepare	ed: 05/19/	'15 Ana	alyzed: 05	5/20/15		
Diesel Range Organics as Diesel	175	10	mg/kg	200		87.5	75-125	4.61	40	
Surrogate: o-Terphenyl 9	9.49		mg/kg	10		94.9	50-150			





Client: The Source Group, Inc. (SH)

**Project No:** 04-NDLA-007

**Project Name:** DFSP Norwalk Soil Remediation

AA Project No: A5331345 Date Received: 05/19/15 Date Reported: 05/21/15

### **Special Notes**





# AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

9765 ETON AVE., CHATSWORTH, CA 91311

Tel: 818-998-5547 FAX: 818-998-7258

AA. COC NO.: (\2\2\2\7)
70043280

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	Sampler's Name:	Sampler's Signature:	ON CO	Orote No .	O (Test Name)			_		codes ** below					-										Time (447)	Time 7,10	Time
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i cieno	Client: 1 Ke	Project Manager:	Phone:	Fax:	(	<b>(</b>	( <b>~</b> ) (	©   ♠	Client I.D.		4	10-4-2	١	P-18-01-2	10-0	10-0-0	10-9-	10-0-0	Base We -C-C5-01				أجارة والمتراخ عمارة والوارة والمستحددة والمراج والمواردة				A.A. Project No.: AS3331345/

Note: By relinquishing samples to American Analytics, client agrees to pay for the services requested on this chain of custody form and any additional client-requested analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 45 days following the submittal of the sample(s) to American Analytics.



9765 Eton Avenue Chatsworth California 91311 Tel: (818) 998-5547

Fax: (818) 998-7258

June 26, 2015

Neil Irish The Source Group, Inc. (SH) 1962 Freeman Ave. Signal Hill, CA 90755

Re: DFSP Norwalk Soil Remediation / 04-NDLA-007

A5331380 / 5F18003

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 06/18/15 07:43 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Assurance Program Manual, applicable standard operating procedures, and other related documentation. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report or require additional information please call me at American Analytics.

Sincerely,

Viorel Vasile

**Operations Manager** 



Client: The Source Group, Inc. (SH)

**Project No:** 04-NDLA-007

Project Name: DFSP Norwalk Soil Remediation

<b>AA Project No:</b>	A5331380	
<b>Date Received:</b>	06/18/15	
Date Reported:	06/26/15	
		-

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
Carbon Chain Custom					
P-B-01-1-3'-NORTH	5F18003-01	Soil	5	06/17/15 00:00	06/18/15 07:43
P-C-01-1-3'-NORTH	5F18003-02	Soil	5	06/17/15 00:00	06/18/15 07:43
80002-A-01-EAST	5F18003-03	Soil	5	06/17/15 00:00	06/18/15 07:43
80002-A-01-WEST	5F18003-04	Soil	5	06/17/15 00:00	06/18/15 07:43
80002-B-01-EAST	5F18003-05	Soil	5	06/17/15 00:00	06/18/15 07:43
80002-B-01-WEST	5F18003-06	Soil	5	06/17/15 00:00	06/18/15 07:43
80002-C-01-EAST	5F18003-07	Soil	5	06/17/15 00:00	06/18/15 07:43
80002-C-01-WEST	5F18003-08	Soil	5	06/17/15 00:00	06/18/15 07:43
80002-D-01-EAST	5F18003-09	Soil	5	06/17/15 00:00	06/18/15 07:43
80002-D-01-WEST	5F18003-10	Soil	5	06/17/15 00:00	06/18/15 07:43
80002-E-01-EAST	5F18003-11	Soil	5	06/17/15 00:00	06/18/15 07:43
80002-E-01-WEST	5F18003-12	Soil	5	06/17/15 00:00	06/18/15 07:43
80006-A-01-EAST	5F18003-13	Soil	5	06/17/15 00:00	06/18/15 07:43
80006-A-01-WEST	5F18003-14	Soil	5	06/17/15 00:00	06/18/15 07:43
80006-B-01-EAST	5F18003-15	Soil	5	06/17/15 00:00	06/18/15 07:43
80006-B-01-WEST	5F18003-16	Soil	5	06/17/15 00:00	06/18/15 07:43



50-150



Method:

o-Terphenyl

### **LABORATORY ANALYSIS RESULTS**

Client:The Source Group, Inc. (SH)AA Project No: A5331380Project No:04-NDLA-007Date Received: 06/18/15Project Name:DFSP Norwalk Soil RemediationDate Reported: 06/26/15

Carbon Chain by GC/FID Units: mg/kg

**Date Sampled:** 06/17/15 06/17/15 06/17/15 06/17/15 **Date Prepared:** 06/19/15 06/19/15 06/19/15 06/19/15 **Date Analyzed:** 06/19/15 06/20/15 06/19/15 06/19/15 AA ID No: 5F18003-01 5F18003-02 5F18003-03 5F18003-04 **Client ID No:** P-B-01-1-3'-NOR P-C-01-1-3'-NORT 80002-A-01-EAS 80002-A-01-WES TH Н Т Т Soil Soil Soil Soil Matrix: 5 1 **Dilution Factor:** 1 1 **MRL** Carbon Chain Custom (EPA 8015M) C13-C22 60 470 **79** 10 46 C23-C32 260 1200 180 240 10 C33-C44 190 810 150 150 10 **Surrogates** %REC Limits

96%

115%

117%

122%





Client: The Source Group, Inc. (SH) AA Project No: A5331380 04-NDLA-007 Date Received: 06/18/15 Project No: **Project Name:** DFSP Norwalk Soil Remediation Date Reported: 06/26/15

Method:	Carbon Chain by GC/FID			Ur	nits: mg/kg
Date Sampled:	06/17/15	06/17/15	06/17/15	06/17/15	_
Date Prepared:	06/19/15	06/19/15	06/19/15	06/19/15	
Date Analyzed:	06/19/15	06/19/15	06/19/15	06/19/15	
AA ID No:	5F18003-05	5F18003-06	5F18003-07	5F18003-08	
Client ID No:	80002-B-01-EAS	8 80002-B-01-WES	80002-C-01-EAS	80002-C-01-WES	
	T	T	T	T	
Matrix:	Soil	Soil	Soil	Soil	
Dilution Factor	: 1	1	1	1	MRL
Carbon Chain (	Custom (EPA 8015M)				
C13-C22	460	<10	15	44	10
C23-C32	<10	<10	59	89	10
C33-C44	<10	<10	49	57	10
Surrogates					%REC Limits
o-Terphenyl	91%	94%	107%	121%	50-150



**%REC Limits** 

50-150

90%



**Surrogates** 

o-Terphenyl

### **LABORATORY ANALYSIS RESULTS**

Client:The Source Group, Inc. (SH)AA Project No: A5331380Project No:04-NDLA-007Date Received: 06/18/15Project Name:DFSP Norwalk Soil RemediationDate Reported: 06/26/15

Method: Carbon Chain by GC/FID Units: mg/kg

Carbon Chain by GC/FID			Unit	s: mg/kg
06/17/15	06/17/15	06/17/15	06/17/15	
06/19/15	06/19/15	06/19/15	06/19/15	
06/20/15	06/19/15	06/19/15	06/20/15	
5F18003-09	5F18003-10	5F18003-11	5F18003-12	
80002-D-01-EAS	80002-D-01-WES	80002-E-01-EAS	80002-E-01-WEST	
T	T	T		
Soil	Soil	Soil	Soil	
10	1	1	1	MRL
Sustom (EPA 8015M)				
1800	480	100	250	10
700	350	88	920	10
320	170	33	490	10
	06/17/15 06/19/15 06/20/15 5F18003-09 80002-D-01-EAS T Soil 10 Custom (EPA 8015M) 1800 700	06/17/15 06/17/15 06/19/15 06/19/15 06/20/15 06/19/15 5F18003-09 5F18003-10 80002-D-01-EAS 80002-D-01-WES T T Soil Soil 10 1	06/17/15 06/17/15 06/17/15 06/19/15 06/19/15 06/19/15 06/20/15 06/19/15 06/19/15 5F18003-09 5F18003-10 5F18003-11 80002-D-01-EAS 80002-D-01-WES 80002-E-01-EAS T T T T Soil Soil Soil 10 1 1	06/17/15 06/17/15 06/17/15 06/17/15 06/19/15 06/19/15 06/19/15 06/19/15 06/19/15 06/20/15 06/20/15 06/19/15 06/19/15 06/20/15 5F18003-09 5F18003-10 5F18003-11 5F18003-12 80002-D-01-EAS 80002-D-01-WES 80002-E-01-EAS 80002-E-01-WEST T T T Soil Soil Soil Soil Soil 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

86%

130%

101%



MRL



Method:

### **LABORATORY ANALYSIS RESULTS**

Client:The Source Group, Inc. (SH)AA Project No: A5331380Project No:04-NDLA-007Date Received: 06/18/15Project Name:DFSP Norwalk Soil RemediationDate Reported: 06/26/15

Carbon Chain by GC/FID Units: mg/kg

Dilution Factor:	1	1	1	1
Matrix:	Soil	Soil	Soil	Soil
	Т		T	T
Client ID No:	80006-A-01-EAS	80006-A-01-WEST	80006-B-01-EAS	80006-B-01-WES
AA ID No:	5F18003-13	5F18003-14	5F18003-15	5F18003-16
Date Analyzed:	06/19/15	06/19/15	06/19/15	06/19/15
Date Prepared:	06/19/15	06/19/15	06/19/15	06/19/15
Date Sampled:	06/17/15	06/17/15	06/17/15	06/17/15

Carbon Chain Custom (EPA 8015M)												
C13-C22	<10	<10	17	<10	10							
C23-C32	<10	49	<10	<10	10							
C33-C44	<10	63	<10	<10	10							

<u>Surrogates</u>					<b>%REC Limits</b>
o-Terphenyl	96%	109%	108%	100%	50-150





Client: The Source Group, Inc. (SH)

**Project No:** 04-NDLA-007

**Project Name:** DFSP Norwalk Soil Remediation

AA Project No: A5331380

Date Received: 06/18/15

Date Reported: 06/26/15

A 1 4 .	D	Reporting	Heita		Source	0/ DEC	%REC	BBB	RPD	Netes
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Carbon Chain by GC/FID - Quality	Control									
Batch B5F1909 - EPA 3550B										
Blank (B5F1909-BLK1)				Prepare	ed & Analy	yzed: 0	6/19/15			
C13-C22	<10	10	mg/kg							
C23-C32	<10	10	mg/kg							
C33-C44	<10	10	mg/kg							
Surrogate: o-Terphenyl	8.99		mg/kg	10		89.9	50-150			
LCS (B5F1909-BS1)				Prepare	ed & Analy	yzed: 0	6/19/15			
Diesel Range Organics as Diesel	193	10	mg/kg	200		96.7	70-130			
Surrogate: o-Terphenyl	12.1		mg/kg	10		121	50-150			
LCS Dup (B5F1909-BSD1)				Prepare	ed & Analy	yzed: 0	6/19/15			
Diesel Range Organics as Diesel	207	10	mg/kg	200		103	70-130	6.51	40	
Surrogate: o-Terphenyl	12.9		mg/kg	10		129	50-150			





Client: The Source Group, Inc. (SH)

**Project No:** 04-NDLA-007

**Project Name:** DFSP Norwalk Soil Remediation

AA Project No: A5331380 Date Received: 06/18/15 Date Reported: 06/26/15

### **Special Notes**



# AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

9765 ETON AVE., CHATSWORTH, CA 91311

Tel; 818-998-5547 FAX; 818-998-7258

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Robert		DLA-007					Special	Special Instructions	Special Instructions VOTES	Special Instructions  NOTES  Samples	Special Instructions votes and the samples of the sample of the samples of the sample	Special instructions NOTES COllected in Lenison with	Special Instructions votes and les and	Special Instructions  NOTES  COllected in Unison with Moisting Samples  Apart to	Special Instructions votes with order of the sample to the sample to the sample to the son labs.	Special Instructions  wotes  amples  anytes  anytes  anytes  in with  mith  mi	Special Instructions wotes  anytes  anytes  anytes  anytes  anytes  for with  mith  mith	Special Instructions works and the samples to sample to sample to sample to son tabs.  Let kn Labs.  Let kn Labs.  Let kn Labs.	Special Instructions  wotes  amples  and with  mith  m	special tructions  TES  With  Sample  Sample  Sample	Special Instructions  anyther  anyther	special tructions with with samples although	special tructions where with the samples of the sample of the samples of the sample of the s	special tructions with with samples admits to be a samples	special tructions with with samples of the best of the	special tructions  with the samples  samples  and take	special tructions with with sample sa
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DU-NDIA-007	5306 Norwall B.		<i>a</i> s	_	70000	ung	Please enter t																				
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Client: The Source Group inc	Project Manager: Ken Wall	562-597-105	562-597		(1) = Same	1 11	Client I.D.	1-3-NORTH	a.c-01-1-3-10071		A-01-FM	80002-4-01-EMS 80002-4-01-WE	80002-A-01-EMST 80002-A-01-WEX 80002-B-01-EAST	80002- A-01- FMS 80002- A-01- WE 80002- B-01- EAST 8002- B-01- WES	80002-A-01-EM 80002-A-01-WE 8002-B-01-MES 8002-C-01-EAST	4-01-FP 4-01-ME -01-EASI -01-EASI -01-WESI	80002-A-01-EM 80002-A-01-WE 8002-B-01-EMS 8002-C-01-EMS 8002-C-01-WES 8002-C-01-WES	4-01-FP 4-01-MES -01-EASI -01-WESI -01-WESI -01-WESI	80002-A-01-EM 80002-A-01-WE 8002-B-01-MES 8002-C-01-EMS 8002-C-01-EMS 8002-D-01-EMS 8002-E-01-EMS	4-01-EPR -01-EPS -01-WES -01-WES -01-WES -01-WES -01-WES	80002-A-01-FM 80002-B-01-MES 8002-B-01-MES 8002-C-01-EASI 8002-C-01-MESI 8002-E-01-EASI 8002-E-01-EASI 8000-A-01-MESI	80002-A-01-EM 8002-A-01-WE 8002-B-01-MES 8002-C-01-WES 8002-D-01-EMS 8002-E-01-EMS 8002-E-01-EMS 8006-A-01-EMS 8006-A-01-EMS	80002- A-01-FMS 80002- A-01-WE 80002- B-01- EAST 80002-C-01- EAST 80002- D-01- EAST 80002- D-01- WEST 80006- A-01- EAST 80006- A-01- EAST 80006- A-01-EAST	4-01-EPR -01-EPS -01-EPS -01-EPS -01-EPS -01-EPS -01-EPS -01-EPS -01-EPS -01-EPS -01-EPS -01-EPS -01-EPS -01-EPS -01-EPS -01-FPS	4-01-EPR -01-EPR -01-EPS -01-E	4-01-EPR -01-EPS -01-EPS -01-WES -01-WES -01-WES -01-WES -01-WES -01-WES -01-WES -01-WES -01-WES	4-01-FR -01-WES -01-WE
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Note: By relinquishing samples to American Analytics, client agrees to pay for the services requested on this chain of custody form and any additional client-requested analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 45 days following the submittal of the sample(s) to American Analytics.



# AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

9765 ETON AVE., CHATSWORTH, CA 91311

Tel: 818-998-5547 FAX: 818-998-7258

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	Sampler's Name:	Sampler's Signature:	P.O.	Quote No.:	MANALYSIS REQUESTED (Test Name)				Turnaround Codes ** below									+	Time (ら; OC		1
	•	Block s			AMALYSIS REC	1	1087		r the TAT Turna									100/18/6	Date 6-17-45	Date ()(o/(8/(x	Date
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Note: By relinquishing samples to American Analytics, client agrees to pay for the services requested on this chain of custody form and any additional client-requested analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 45 days following the submittal of the sample(s) to American Analytics.



9765 Eton Avenue Chatsworth California 91311 Tel: (818) 998-5547

Fax: (818) 998-7258

July 08, 2015

Neil Irish

The Source Group, Inc. (SH) 1962 Freeman Ave. Signal Hill, CA 90755

Re: DFSP Norwalk Soil Remediation / 04-NDLA-007

A5331388 / 5F29019

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 06/29/15 15:40 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Assurance Program Manual, applicable standard operating procedures, and other related documentation. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report or require additional information please call me at American Analytics.

Sincerely,

Viorel Vasile

**Operations Manager** 



Client:The Source Group, Inc. (SH)AA Project No: A5331388Project No:04-NDLA-007Date Received: 06/29/15Project Name:DFSP Norwalk Soil RemediationDate Reported: 07/08/15

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
Carbon Chain Custom					
80006-C-01-EAST	5F29019-01	Soil	5	06/29/15 00:00	06/29/15 15:40
80006-D-01-EAST	5F29019-02	Soil	5	06/29/15 00:00	06/29/15 15:40
80006-E-01-EAST	5F29019-03	Soil	5	06/29/15 00:00	06/29/15 15:40
80006-C-01-WEST	5F29019-04	Soil	5	06/29/15 00:00	06/29/15 15:40
80006-D-01-WEST	5F29019-05	Soil	5	06/29/15 00:00	06/29/15 15:40
80006-E-01-WEST	5F29019-06	Soil	5	06/29/15 00:00	06/29/15 15:40
80004-A-01-EAST	5F29019-07	Soil	5	06/29/15 00:00	06/29/15 15:40
80004-B-01-EAST	5F29019-08	Soil	5	06/29/15 00:00	06/29/15 15:40
80004-A-01-WEST	5F29019-09	Soil	5	06/29/15 00:00	06/29/15 15:40
80004-B-01-WEST	5F29019-10	Soil	5	06/29/15 00:00	06/29/15 15:40





Client: The Source Group, Inc. (SH)

Project No: 04-NDLA-007

Project Name: DESP Norwalk Soil Remediation

Date Received: 07/08/15

Project Name: DFSP Norwalk Soil Remediation

Date Reported: 07/08/15

Method:	Carbon Chain by GC/FID			Units	s: mg/kg
Date Sampled:	06/29/15	06/29/15	06/29/15	06/29/15	
<b>Date Prepared:</b>	06/30/15	06/30/15	06/30/15	06/30/15	
Date Analyzed:	06/30/15	06/30/15	07/01/15	06/30/15	
AA ID No:	5F29019-01	5F29019-02	5F29019-03	5F29019-04	
Client ID No:	80006-C-01-EA	S 80006-D-01-EAS	Г 80006-E-01-EAS	80006-C-01-WES	
	T		T	T	
Matrix:	Soil	Soil	Soil	Soil	
Dilution Factor:	1	1	1	1	MRL
Carbon Chain C	Custom (EPA 8015M)				
C13-C22	<10	<10	<10	<10	10
C23-C32	<10	<10	56	<10	10
C33-C44	<10	<10	68	<10	10
Surrogates					%REC Limits
o-Terphenyl	101%	108%	110%	114%	50-150



50-150



o-Terphenyl

### **LABORATORY ANALYSIS RESULTS**

Client:The Source Group, Inc. (SH)AA Project No: A5331388Project No:04-NDLA-007Date Received: 06/29/15Project Name:DFSP Norwalk Soil RemediationDate Reported: 07/08/15

Method: Carbon Chain by GC/FID Units: mg/kg

wethou:	Carbon Chain i	by GC/FID			UII	its: mg/kg
Date Sampled:		06/29/15	06/29/15	06/29/15	06/29/15	
Date Prepared:		06/30/15	06/30/15	06/30/15	06/30/15	
Date Analyzed:		06/30/15	07/01/15	07/01/15	07/01/15	
AA ID No:		5F29019-05	5F29019-06	5F29019-07	5F29019-08	
Client ID No:		80006-D-01-WES	80006-E-01-WES	80004-A-01-EAS	80004-B-01-EAS	
		T	T	T	T	
Matrix:		Soil	Soil	Soil	Soil	
Dilution Factor	:	1	1	1	1	MRL
Carbon Chain (	Custom (EPA 80	<u>)15M)</u>				
C13-C22		<10	<10	32	<10	10
C23-C32		<10	<10	120	23	10
C33-C44		<10	<10	110	17	10
Surrogates						%REC Limits

112%

121%

112%

106%





Client: The Source Group, Inc. (SH)

Project No: 04-NDLA-007

Project Name: DFSP Norwalk Soil Remediation

Method: Carbon Chain by GC/FID

AA Project No: A5331388

Date Received: 06/29/15

Date Reported: 07/08/15

Units: mg/kg

 Date Sampled:
 06/29/15
 06/29/15

 Date Prepared:
 06/30/15
 06/30/15

 Date Analyzed:
 07/01/15
 07/01/15

 AA ID No:
 5F29019-09
 5F29019-10

 Client ID No:
 80004-A-01-WES 80004-B-01-WES

Matrix: Soil Soil

Dilution Factor: 1 1 1 MRL

Carbon Chain Custom (E			
C13-C22	<10	96	10
C23-C32	25	140	10
C33-C44	16	100	10

Surrogates			%REC LIMITS
o-Terphenyl	115%	129%	50-150





Client: The Source Group, Inc. (SH)

**Project No:** 04-NDLA-007

**Project Name:** DFSP Norwalk Soil Remediation

AA Project No: A5331388

Date Received: 06/29/15

Date Reported: 07/08/15

Analysis	Decult	Reporting	Units	Spike Level	Source Result	% DEC	%REC	RPD	RPD Limit	Notes
	Result	Limit	Ullits	Level	Result	/0KLC	Lillits	KFD	Lillit	NOTES
Carbon Chain by GC/FID - Quality C	Jontroi									
Batch B5F3015 - EPA 3550B										
Blank (B5F3015-BLK1)				Prepare	ed & Anal	yzed: 0	6/30/15			
C13-C22	<10	10	mg/kg							
C23-C32	<10	10	mg/kg							
C33-C44	<10	10	mg/kg							
Surrogate: o-Terphenyl	11.3		mg/kg	10		113	50-150			_
LCS (B5F3015-BS1)				Prepare	ed & Anal	yzed: 0	6/30/15			
Diesel Range Organics as Diesel	199	10	mg/kg	200		99.6	70-130			
Surrogate: o-Terphenyl	11.7		mg/kg	10		117	50-150			
LCS Dup (B5F3015-BSD1)				Prepare	ed & Anal	yzed: 0	6/30/15			
Diesel Range Organics as Diesel	209	10	mg/kg	200		104	70-130	4.59	40	
Surrogate: o-Terphenyl	12.0		mg/kg	10		120	50-150			
Matrix Spike (B5F3015-MS1)	;	Source: 5F	29019-06	Prepare	ed: 06/30/	15 Ana	alyzed: 07	7/01/15		
Diesel Range Organics as Diesel	218	10	mg/kg	200	6.69	106	60-140			
Surrogate: o-Terphenyl	12.1		mg/kg	10		121	50-150			
Matrix Spike Dup (B5F3015-MSD1	1) :	Source: 5F		Prepare	ed: 06/30/	15 Ana	alyzed: 07	7/01/15		
Diesel Range Organics as Diesel	207	10	mg/kg	200	6.69	100	60-140	5.11	40	
Surrogate: o-Terphenyl	12.4		mg/kg	10		124	50-150			





Client: The Source Group, Inc. (SH)

**Project No:** 04-NDLA-007

Project Name: DFSP Norwalk Soil Remediation

AA Project No: A5331388

Date Received: 06/29/15

Date Reported: 07/08/15

### **Special Notes**



### AMERICAN © TO MALVITICS

# AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

9765 ETON AVE., CHATSWORTH, CA 91311

Tel: 818-998-5547 FAX: 818-998-7258

A.A. COC No.: (2285年 7 0038087 Page 1\_of /

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Sampler's Name:	Sampler's Signature:	P.O.	Quote No.	STED (Test N			_	Ind Codes **													 Time (2,52)	1 1me	Тіте
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M-M	15306 Norwall	Norwa	CA				rd TAT)	Sample No.	1 1/97				direction and					100			Relinquished by	Relindrisped by	Relinquished by
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s Inc	len Werth		2	TAT Turnaround Codes **		(s)	‼ ×	A.A.I.b.	5F20B3	785	-63	うや	59	74	6	_0%	50-	0,1				Time (6/5)	JSF WORD
Grand	"Insu!	7-1055	JE01-	TAT Turna	Same Day Rush	Rush	- Rush		775					1	1			7			For Laboratory Use	Date 6/23/(C Time	31788
Client: The Source	ager: Med 4	568-597	265-295		① = Same D	(2) = 24 Hour Rush	(3) = 48 Hour Rush	Client I.D.	8006-c-01-east	80006-J-01- Eust	Boxo6-E-0/-e45H	80006-C-01-West	80006-0-01-WEST	80006-E-01-West	80004-4-01-east	10004-B-01-east	8004-A-0-4-4008	3-01-18/65			 For		A.A. Project No.: 本医23(72巻/
Client: M	Project Manager: Net	Phone:	Fax: Š					Clie	sac-c-	80006-1	<u> 3</u> Janag	3-90008	0.3008	3-90008	80004-4	8- troppe	4-40008	9-heas					A.A. Project

Note: By relinquishing samples to American Analytics, client agrees to pay for the services requested on this chain of custody form and any additional client-requested analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 45 days following the submittal of the sample(s) to American Analytics.

## APPENDIX E STOCKPLIE INSPECTION RECORDS

## SGI THE SOURCE GROUP, INC.

### **DFSP Norwalk**

### 15306 Norwalk Boulevard, Norwalk, CA 90650

**Project Number: 04-NDLA-007** 

### TREATMENT ROW DAILY INSPECTION LOG

TREAMENT ROW POWENING - A -SP-1									
Date Inspected	Inspected By	Signature	Repairs Needed (Y/N)	Method of Repair	Date Repair Completed				
4/27/15	KR	h.l. Helle	W						
4/28/15	DR	2	Ad						
4120115	K	6 gheros	0	7.	rifa i				
4/30/15	CV	Chuca	1	Tape	415015				
25 11	KK	Mich		1					
3412	60	Villian							
RIGHE	1	Pal Million							
511912	VO	Value							
5/12/15	im		Y	Tape	5/14/15				
5113115	KR	hillinger	N						
5/14/15	DR	Q D	$\sim$						
5/15/15	JR	Jose ought	M						
2118112	the	Flyer	N						
2119115	K	Ch	W						
5/20/15	28	San July	$+U_{i}$						
2/1/2/15	kD-	-	Y						
60712	BR		In/						
PODE	VR	KIR	h /						
BISTIS	ER	MI	1						
03/01/15	1182	KLL	10,						
7012715	ER	KLR	N						
613115	h	KLIL	10,						
UBIS	K	BLL	V						
4915	KK	MI							
61015	16	KCIC -							
WW =	161	THE TENE	N						
6/4/15	1/1	John aufter	12						
101611	1	1/1/	W						
MATTE	10	KIN	V	TADE	(0117/15				
111815	ZZ	EIN	N	1111	10/11/1				
*Each treatme	nt pile shall be ir	spected DAILY for holes and te	ars. All repairs sh	all be made im	mediately.				

## SGI THE SOURCE GROUP, INC.

### **DFSP Norwalk**

15306 Norwalk Boulevard, Norwalk, CA 90650

Project Number: 04-NDLA-007

### TREATMENT ROW DAILY INSPECTION LOG

TR	EAMENT ROW 🙊	swening-R-01			
Date Inspected	Inspected By	Signature	Repairs Needed (Y/N)	Date Completed	
4/24/15	SR	Top age	У	4/25/15	
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e a succession and a succession and approximate	+				
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		101-001-00			
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	<del> </del>				
			-		

\*Each treatment pile shall be inspected DAILY for holes and tears. All repairs shall be made immediately.



### **DFSP Norwalk**

### 15306 Norwalk Boulevard, Norwalk, CA 90650

**Project Number: 04-NDLA-007** 

## TREATMENT ROW DAILY INSPECTION LOG

Date Inspected	Inspected By	Signature	Repairs Needed (Y/N)	Method of Repair	Date Repair Completed
UINIS	LV	Rhoice	N		
4/28/15	DI	3	N		
4124115	KR	RENELLE	W		il i
4130115	KIL	Myca	У,	Tape	4130K
5/5/15	KR	Kelweer	W.		11
2/19/5	412	Klyejan	LU.		
517115	KK	Wescer .	W		
5/8/15	K12	historices	N		
5/11/15	KV	Lylling			
5/n/15	Kun	100	У)	Tape	5/12/15
5/3/15	nl	Refruce			
5/14/15	DR	The Same	N		
5/15/15	JR	South	N		
2110115	RR	Kylecce	W		
2114.115	KK	KLA	14	105 prm PID	
DIZAIS		Solant to	ν,		
2/1/11/2	10	KLV	IV		
21111	10	KLL			
2 HAR	1	HATTO -			
	100		10		
012115	10	NO			
11/12	10	777			
13/12	10	Ville	19		
la le	70	hu d	1/1		
11/1/12	60	Life	19		
0110116	VIL	MIN	1 N		
10/11/15	10	610	10		
6/12/15	10	10			
11/15/15	VD	VI.	N		
11615	RR	VIII	N		
00115	KL	KLI	V.	TAPE	6/17/15
ekis	ZZ	KLIP	N	1 / 1 /6-	
*Each treatme	nt pile shall be in	spected DAILY for holes and tea	ars. All repairs sh	all be made imp	nediately

## SGI THE SOURCE GROUP, INC.

### **DFSP Norwalk**

## 15306 Norwalk Boulevard, Norwalk, CA 90650

**Project Number: 04-NDLA-007** 

### TREATMENT ROW DAILY INSPECTION LOG

TREAMENT ROW Powering - C-01

Date Inspected	Inspected By	Signature	Repairs Needed (Y/N)	Date Completed
4/23/15	JR	Staffer	Y	4/23/15
4/23/15	JR	Subscrift	1	
11-11.7	35			
			_	-
- domestic m				
				-
		L		
	"			
	+		_	
	-			+
				+

\*Each treatment pile shall be inspected DAILY for holes and tears. All repairs shall be made immediately.

SGI THE SOURCE GROUP, INC.

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### 15306 Norwalk Boulevard, Norwalk, CA 90650 Project Number: 04-NDLA-007

### TREATMENT ROW DAILY INSPECTION LOG

### TREAMENT ROW YOWEKILLE-C-SP-1

TREAMENT ROW YOWEKINE-C-SP-									
Date Inspected	Inspected By	Signature	Repairs Needed (Y/N)	Method of Repair	Date Repair Completed				
419115	KR	hlute	N						
4/28/15	DR	ly co	N						
4/14/15	RR	Liture	W						
4130115	RE	Klyden	Y/	Tape	41201K				
5/5/15	KR	KINE	10		" - 1				
5/11/5	KK	Klinevaca	N						
31715	CL	Maurica	N						
01816	XI	heren	M						
5/11/15	MIZ	himmen							
5/11/15	KIN	The state of the s	71	Tape	5/12/15				
713115	rd-	hunde	14	1					
5/14/15	DR	1	N						
5/15/15	75	Man Dentit	N						
5/18/15	KI	Klyrice	N						
5/19/15	12 P	KUK	N						
5/20115	2/15	Joseph To	N.						
5/221/5	1	16 16	19						
211415	1667	him	N/						
0/4/110	LIC	HA	1		ļ				
5/20/5	K	M			-				
DIXIII	John	RICE -	IN.		<b> </b>				
11/1/2	100		10/						
0212	15/5	The state of the s	1		<del> </del>				
1/2/13		1//	10/						
6/2/13	KIC-		1 1						
1. 10/15		VI							
10/11/15	10	Vin	In J						
Chalie	10	The Three							
10/15/16	1/0	1 1 10	In)						
SI SING	100	17/12	m/						
6117115	166	171-1	TY	TADE	10/17/15				
1815	127	17.70	T n/	11116	14111119				
*Fach treatme	ent nile shall he i	nspected DAILY for holes and te	ars. All repairs st	nall be made im	mediately.				

#### **DFSP Norwalk**

15306 Norwalk Boulevard, Norwalk, CA 90650

**Project Number: 04-NDLA-007** 

## TREATMENT ROW DAILY INSPECTION LOG

TREAMENT ROW Powering - 0-01

Date Inspected	Inspected By	Signature	Repairs Needed (Y/N)	Date Completed
4/23/15	78	Saland	(4)	4/23/15
4/24/15	JR.	Jakarder.	Y	4/24/15
5/19/15	1-12	So Zautu	A	
*			-	
			_	
			-	
				<b> </b>
	+		-	
-				-

#### **DFSP Norwalk**

## 15306 Norwalk Boulevard, Norwalk, CA 90650

**Project Number: 04-NDLA-007** 

#### TREATMENT ROW DAILY INSPECTION LOG

TREAMENT ROW OWELINE - D-SP-Repairs Date Method of **Date Repair Inspected By** Signature Inspected Needed (Y/N) Repair Completed 11 lane 5/12/15 VM Tape DO N



# 15306 Norwalk Boulevard, Norwalk, CA 90650

Project Number: 04-NDLA-007

Date Inspected	Inspected By	Signature	Repairs Needed (Y/N)	Method of Repair	Date Repair Completed
5/5/15	KIL	KLAMOR	LV	перин	completed
5/18/18	KIL	Milance	N		
3/10/11<	KK	RIGHT	h/		
120/15	26	An Dunt	1/		
122115	n-R	KIND	V	STAPE	6/20/15
5/26/15	KR	FILE	19	45 1115	JANI S
5/27/15	KR	MILL	14		
3128/15	he	Tel R			
SIZGLE	RR	VIR	In/		
11115	KD	VIO	1/		
1215	ER	KIII	17		
1315	KD	1267			
18115	ct	WIN.			
19115	10	1/1/1/	IN,		
11015	W.	W. L. Charles			
111115	VO	1/1/	1 1		*
6/11/15	18				
01415	V	Yill and	11		
Mello	1/1	1/10	111		
117115	Va	VIA	10	TAPE	Tall the
118/15	70	1/1/2=	11)	MIL	CO111/1S
1/10/15	Va	1-10	171		
1216	70	1/1/2	11/		
102115	140	VID	1 m		
6/20/15	22	77	1 1		
12/15	Se	25	N I		
1116	HC.	Sale Sulfer			
4415 H2115	20	Jack dept H	N		
17/15	1	Source HT	N		
		976	N,		
7/9/15		My 12	N		
	Dr.	(A)	1 1/		
7/10/15	VIC	2 N	N/		
		pected DAILY for holes and te		March 1985	

### **DFSP Norwalk**

## 15306 Norwalk Boulevard, Norwalk, CA 90650

**Project Number: 04-NDLA-007** 

# TREATMENT ROW DAILY INSPECTION LOG

	IRE	AMENT ROW SOUD	-B-0P	-	
Date Inspected	Inspected By	Signature	Repairs Needed (Y/N)	Method of Repair	Date Repair Completed
5/7/15	KIZ	House	IV.		
5/8/15	VR	V. Chuce	N		
5/11/15	VQ	VIGA	IN /		
5/12/15	KM	The state of the s	W.		
5/13/15	HSL	Whice	iN		
5/14/15	DR	2110	1/		
5/15/15	SR	500 South	11		
5/18/15	Kr	KLKEVEL	W		
5/10/5	FR	ECh	1/	alees	
5/2015	372	) Day to			
5/22/15	KL	YLC	Y <sub>1</sub>	TAPIZ	3/22/K
5/21115	ER	CLA	N		
5/27/15	KR	VIR	W		
5128/15	KR	Rin	1		
5109115	102	KILL	N		
115	168	VIA	NI		
612715	RL	RIA	1		
W316	KL	KUL	IN		
0/8115	KR	KLR	N)		
619115	KR	Vila	N	Variation (	3
611015	12	nll	N		
6/11/15	KR	VIII	N		
Challe	JR.	Tak County	N		
6/15/15	KA	KISC	W,		
1116115	KR	KIN	N		
(0)17/15	WR.	KLA	Y/	TAPE	6117115
1118115	W	Val. Ka	N,	1,111	1.11
11/19/15	WR	KLK	W		
(1/22/15	KR	VIR	W		
10/23/15	KR	KLR	W.		
6/29/15	D02	The	N		
6/20/13	10	Dult	1)		
7/116	I iZ	Jose Left	i)		
*Each treatme	nt pile shall be in	spected DAILY for holes and tea	rs. All repairs sh	nall be made imn	nediately.

7/7/15 DR 7/8/15 DR 7/8/15 DR DON BY W

N N N N

#### **DFSP Norwalk**

15306 Norwalk Boulevard, Norwalk, CA 90650

**Project Number: 04-NDLA-007** 

## TREATMENT ROW DAILY INSPECTION LOG

**Date Repair** 

Date Inspected By Signature Repairs Needed (Y/N) Repair

Inspected	Inspected By	Signature	Needed (Y/N)	Repair	Completed
13/10/15	KK	KURUCER	K		
97/15	KK	Lhuon	M		
5/8/15	KK	Klance	N.		
51115	ICK	VIII			
5/12/15	Km	Jan .	,70,		
511/15	RL	RUTHERECE	N		
5/14/15	DR	200	n		
5/15/15	28	- Southerstill	-1/		
5/19/15	KR	KILLUCE	W,		
5/4/18	VI	Chen	N		
5/20115	TER	John Lant	N	-10	
5/2015	EL	FLE	У,	TAPE	5/201/5
5/16/15	KK	Kllo	V,		
5/2/11/5	KIL	KIL	W,		
512811	KR	1666	n		
3/2/15	LR	KIR	W,		
6115	KR	KCR	W		
6315	KL	CL	W,		
11311	KK	RLL	N		
6015	ILL.	KU			
619/15	ICIL	RILL	N		
410115	KIL	KIN	17		-
6/11/15	KK	166	10		-
6/2/15	JR	See Confit	N		
41515	KIL	The state of the s	N		
WILLIAMS.	K-K	1/1/2	10	A DE	1.11-115
(11115	175	1777	1/	TAPE	10/11/10
	176	16/10/	10		
11100115	150	1)10	10/		
WI 20112	KILO	1/10	1		
10/23/15	102	771	N		-
6/29/15	002	3			
6/20/15	185	So Day F	N		1

\*Each treatment pile shall be inspected DAILY for holes and tears. All repairs shall be made immediately.

7/1/15 DR 7/8/15 DR 7/8/15 DR and the second

NNNN



# 15306 Norwalk Boulevard, Norwalk, CA 90650

Project Number: 04-NDLA-007

## TREATMENT ROW DAILY INSPECTION LOG

TREAMENT ROW SCOOL - D-SP-1

Date Inspected	Inspected By	Signature	Repairs Needed (Y/N)	Method of Repair	Date Repair Completed
WIMIS	122	KLIR	10/	жерин	completed
0122/15	KR	WILL	10		
412315	KL	KIR	W		
6/29/15	202	281	N		
6/30/15 1/1/19	JK.	Suffer			
7/1/9	VZ VZ	The state of the s	10		
7/7/15	DA	Distr.	N.		
718/15	DR	D. W.	N.	·	
7/9/15	PR	Dyly	N,		
7/10/15	DR	mys	N		
		Complete the No.			
	***				
	-				
*		spected DAILY for holes and			



## 15306 Norwalk Boulevard, Norwalk, CA 90650

Project Number: 04-NDLA-007

# TREATMENT ROW DAILY INSPECTION LOG

TREAMENT ROW 8000 2-E-SP-1

Date Inspected	Inspected By	Signature	Repairs	Method of	Date Repair
01815	1/0	1/1-1/2	Needed (Y/N)	Repair	Completed
10112	70		10)		
MINITE	7/20	545			
0/32/15 0/23/15	1/0		10		
7	202	Kym	10/		
70-111		A Para	CV		
0/20/19	Sh	Town with	1 11		
HU(6	34	Jak suff to	14		
112119	AL	eo carf	I N		
717/15	DR	6518	N	100-11-00-1	
7/8/15	DK	there	N		and the second second
7/9/15	DR	Jy M	N		
7/10/15	DR	0,18	N		
		J			
		( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )			
· · · · · · · · · · · · · · · · · · ·					
-					
	- 11/22-22-2011				
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## 15306 Norwalk Boulevard, Norwalk, CA 90650

Project Number: 04-NDLA-007

# TREATMENT ROW DAILY INSPECTION LOG

TREAMENT ROW POWERING-A-SP-1

Date Inspected	Inspected By	Signature	Repairs Needed (Y/N)	Method of Repair	Date Repair Completed
11915	KR	KLIL	N	127	
122115	KR	KIR	N,		
1/29/15	200	20	N		
6/2015	Sh	and entity	N		
71115	.XL	Ja Day 1	U		
7/2/6	JR.	Sol ext	N		
717/15	DR	12/	N,		
7/8/15	DR	1/2	N/		
11111	DR	7	N		
7/10/15	DR	15718	10	- Angelos - A	
		V			
		· · · · · · · · · · · · · · · · · · ·			
				111111111111111111111111111111111111111	
		41141,-14.			



# 15306 Norwalk Boulevard, Norwalk, CA 90650

Project Number: 04-NDLA-007

# TREATMENT ROW DAILY INSPECTION LOG

	TREA	AMENT ROW Joule	NINE-18-SP-		
Date Inspected	Inspected By	Signature	Repairs Needed (Y/N)	Method of Repair	Date Repair Completed
(a)49/15	6/2	K/Q -	N		completed
10122115	1/2	MIL	in l		
6/29/15	DR	1	N		
(0/30/19	12	to Dought	W		
7/1/15	12	San Rought	Ñ		
7/2/16	X	To Deerft	N		
7/7/15	DR	200	N		
7/8/15	pe	DE B	N		
7/9/15	DR	25 /2	N		
7/10/15	DR	NN	N		
		7970			
				A STATE OF THE STA	
				······································	



# 15306 Norwalk Boulevard, Norwalk, CA 90650

Project Number: 04-NDLA-007

# TREATMENT ROW DAILY INSPECTION LOG

TREAMENT ROW YOWENNE-C-SP-Date Repairs Method of **Date Repair** Inspected By Signature Inspected Needed (Y/N) Repair Completed KK 20/15 DR Dor DR



## 15306 Norwalk Boulevard, Norwalk, CA 90650

Project Number: 04-NDLA-007

### TREATMENT ROW DAILY INSPECTION LOG

Date Inspected	Inspected By	Signature	Repairs Needed (Y/N)	Method of Repair	Date Repair Completed
0/19/15	KR	KLR.	U		
0122/15	KR	KIR	N	West of the second	
1123115	KR	KIR	$ \mathcal{W}_i $		
5/29/15	DR	lhy	N		
6/30/15	30	Took Zept	N N		
7/1/19	K	To kept	1 K		
7/1/15	X.	Society	V	V	
7/7/15	DL	Nich	N,		
7/8/15	DR.	Mr.	1		
7/9/15	100	War of the same of	N		
7/10/15		12 g	N		
				1877 - TEACHER	7
		O TOTAL OF THE PARTY OF THE PAR			
		i i i i i i i i i i i i i i i i i i i			
					Y
	11				
		3411			

### **DFSP Norwalk**

## 15306 Norwalk Boulevard, Norwalk, CA 90650

**Project Number: 04-NDLA-007** 

	TRE	AMENT ROW BOOK!	D-SP-1		
Date Inspected	Inspected By	Signature	Repairs Needed (Y/N)	Method of Repair	Date Repair Completed
unis	V. V.	6-1-1010V-	11		
1112/15	5/2	0	1		
UMBHZ	V 0	PLOMA	11.		
12015	125	THE WALL	I W		
7/30/12		1 hall			
2/3/13	155	market -			
DIG!>	155	Charles	<b>I</b>		
51115	55	Mules.	1		
518/15	166	A Mice	1V)		
51115	KK	house	10		
5/12/15	KM		14		
5/3/15	KL	unice	W		
5/14/15	DR	By by	N		
5/15/15	75	500 Parts	NI		
511A115	KR	Klyson	M		
5/19/15	LP.	L. Upin	M	Landing to the second	
512015	25	Sod Part HE	I'N		
5128115	KK	YLL	X	TAPE	15/22/15
5/26115	KR	TELL	10/		
507/18	KQ_	rik	M		
Shalie	KR	KIR	W.	-	
Sim IIc	VI	110	1		
TIPTIL'	10	VIII	IN		
7/15/13	P.P	KLL	n		
712116	VIZ	Y.CR	I N		
1/1/2/1/2	110	VIII-	11/		
1310115	100	H / - D	IN		
MINIS	1/12		M		
Philip	KR	KLM	In/		
6/12/15	SR	The cust II	N)		
10/15/15	120	VIC	in		
10/16/15	W.L	KIR	N		
6/19/15	KR	KLIN	l y	TAPE	6/17/15
TOTALE	VL	12LIM	N		
*Fach treatme	ent pile shall be i	nspected DAILY for holes and to	ears. All repairs sh	nall be made im	mediately.

### **DFSP Norwalk**

## 15306 Norwalk Boulevard, Norwalk, CA 90650

**Project Number: 04-NDLA-007** 

Date	Inspected By	Signature	Repairs	Method of	1/29/15 Date Repair
Inspected		10.1	Needed (Y/N)	Repair	Completed
4127115	KR	Million	U		
4/28/18	DR	Die	N		
4129115	KR	K. L. Beico	$\mathcal{U}$		
4130115	KR	V La Much	文/	THE	130115
5/4/15	22	Andr	N		
5/5/15	KK	RIDICE	W		
5/10/15	KX.	LIVERCE	N		
17115	XZ	river	W.		
3118115	V.V.	Killer			
5/11/15	.K12	KIMICE			
5/12/15	KM	Mode	N,		
1315	KIL	Ustrale	IN		
5/14/15	DR	212	N		
5/15/15	JR	1 Tool Transfer	M		
5/18/15	148	KLYWCC,	N		
3119115	V.V	Villian	N		
5100115	TR	Sanfit	1)		1.011
12115	VP	YLR	Y.	TAPE	SIZAIS
12/0/15	EL	"RLL	U		
52715	rR_	RUL	IN.		
5108115	ER	Ell	N		
129/15	KL	July	n		
1115	10	KI'TL	N/		
12115	FR	RICH	W,		
113115	KIN	KIR	N		
119/15	ER	RLR	IN.		
110115	RL	WIN	N		
0110115	Va	KIN	IN.		
111116	K12	KLILA	IN		
Col 12/15	150	Top auf the	W		
0115115	KR	run	W)		
0116115	KR	KLA	W		A
3/17/15	VO	KLM	IV	TAPE	10/17/15
Fach treatme	nt nile shall be i	nspected DAILY for holes and to	ears. All repairs sh	all be made im	mediately

#### **DFSP Norwalk**

15306 Norwalk Boulevard, Norwalk, CA 90650

**Project Number: 04-NDLA-007** 

## TREATMENT ROW DAILY INSPECTION LOG

TREAMENT ROW Powerine - A-01 Repairs Date Inspected By Signature Needed **Date Inspected** Completed (Y/N) 4/24/15 SR 4/24/15



# 15306 Norwalk Boulevard, Norwalk, CA 90650

Project Number: 04-NDLA-007

1415 K 11815 K 11815 K 11815 V 11815 V 11815 K 11815 K 11815 K 11815 K		KIR SON	Needed (y/N)	Repair	Completed (a)
19/16 3 18/15 K 19/15 K	R R CR CR CR	KUNC KUNC KUNC KUNC KUNC KUNC KUNC KUNC		TAPE	(Jil)S
18/15 K 18/15 K 18/	R R CR CR CR	KUNC KUNC KUNC KUNC KUNC KUNC KUNC KUNC		TAPE	(a/iii)\S
18/15 K 18/15 K 18/15 K 18/15 K 18/15 K 1/5/15 K 1	R R CR CR CR	KUNC KUNC KUNC KUNC KUNC KUNC KUNC KUNC		TAPE	(Jil)S
18/15 K 18/15 K 18/15 K 18/15 K 18/15 K 1/5/15 K 1	R R CR CR CR	KUNC KUNC KUNC KUNC KUNC KUNC KUNC KUNC	N N N N N N N N N N N N N N N N N N N	TAPE	Ajiili2
18165 K	R R CR CR CR	KING THE VILLE OF	N N N N N N N N N N N N N N N N N N N	TAPE	(Jil)S
1815 L 1815 L 1115 L 11515 V 11515 V 11715 L 11715 L 11815 V 11815 V	R R CR CR CR	KING KING KING KING KING KING		TAPE	Alille
1/5/15 V 1/5/15 V 1/1/15 V 1/1/15 V 1/1/15 V 1/2/15 V 1/2/15 V	R CR CR CR CR CR	KING KING	1N N N N	TAPE	(Jill) S
1/5/15 V 1/5/15 V 1/1/15 V 1/1/15 V 1/1/15 V 1/2/15 V 1/2/15 V	R CR CR CR CR CR	VIII VIII VIII VIII VIII VIII VIII VII	N N N	TAPE	Alinhe
1/5/15 V 1/5/15 V 1/1/15 V 1/1/15 V 1/1/15 V 1/2/15 V 1/2/15 V	R CR CR CR CR CR	Sex Day Att  Y LA	22272	TAPE	(djij) S
1/5/15 1/11/15 1/17/15 1/18/15 1/2/15 1/2/15	CR CR CR CR CR CR	Y LA V LA V LA V LA V LA V LA V LA V LA V		TAPE	(Jill)S
110115 1 117115 1 118115 1 120115 1 123115 1	JR JR ZP	VIII VIII Vederafet VIII		TAPE	(din) S
117/15 118/15 112/15 123/15	JR JR ZP	VIII	7	TAPE	(dill)2
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12/15	1	Schwarfer 1	N. Control of the con		1
12115 1	1	KI II	N		
129/15		410			
129/15					
	002	2	N		
LAUIT L	H	10 Ac	N		+
	K	1 Bar	N		
	H2	Soo Seift of	W		
	DR	Joseph C	N.	Company Compan	
	OR	72.10	N		
	DR	020	N		
	DR	62			
7/10/1/5	000	12)80	N		
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## 15306 Norwalk Boulevard, Norwalk, CA 90650

Project Number: 04-NDLA-007

# TREATMENT ROW DAILY INSPECTION LOG

TREAMENT ROW 8000 (0-15-SP-Date Repairs Method of Date Repair Inspected By Signature Inspected Needed (Y/N) Repair Completed N DR DR 7/10/15 Dr



15306 Norwalk Boulevard, Norwalk, CA 90650

Project Number: 04-NDLA-007

Date Inspected	Inspected By	Signature	Repairs Needed (Y/N)	Method of Repair	Date Repair Completed
Ce110115	KR	KIL	1)	puil	completed
طالله	KR	KUN	N		
Colvils	30	Joseph H	N		
0115115	VR	416	$W_{i}$		
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A18 115	KK	Valley .			
6/19/16	1/0	Socie and the	10.3		
0122115	VO	1/1/12	W		
6/29/15	DR		N		
0/30/15	216	3	1)		
11116	SE	Sold Bright	$\frac{1}{1}$		
Helis	32	Sol Paytot	12		
7/7/15	De	Dan	N		
7/8/15	DR	0-20	N	***************************************	
7/9/15	DR	2018	N,		
7/10/15	PR	an	N		
	7	. 0			
- James Agents					
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- Himacontinguis,					
·		The second second second			
		pected DAILY for holes and			



# 15306 Norwalk Boulevard, Norwalk, CA 90650

Project Number: 04-NDLA-007

# TREATMENT ROW BOYON - N-SP-1

Date Inspected	Inspected By	Signature	Repairs Needed (Y/N)	Method of Repair	Date Repair Completed
10/12/15	U	KLP	N		
0115115	M	11/1	W)		
6/17/15	V-P	VIR	- n)	1444	
6118/15	UZ	VIII	111	1	
6/19/15	KR	RILL	$- \mathcal{N} $		
4123115	KR	KLA	N	3	
6/29/15	50	MA	N		
6/30/15	20	S. A.	N		
1/16	30	Tayatti	N		
Flalis	200	Son Light	N		
7/7/15	DR	Dies			
7/8/15	DE	7 18	4		
7/9/15	DR DR	200			
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		AMAZINE CANAL			. New
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## 15306 Norwalk Boulevard, Norwalk, CA 90650

Project Number: 04-NDLA-007

## TREATMENT ROW DAILY INSPECTION LOG

TREAMENT ROW 8000-E-SP-Date Repairs Method of Date Repair Inspected By Signature Inspected Needed (Y/N) Repair Completed DR N 1 7/9/15 nn 7/10/15

<sup>\*</sup>Each treatment pile shall be inspected DAILY for holes and tears. All repairs shall be made immediately.