



Department of Toxic Substances Control

Matthew Rodriguez
Secretary for
Environmental Protection

Barbara A. Lee
Director
1001 "I" Street
P.O. Box 806
Sacramento, California 95812-0806

Edmund G. Brown Jr.
Governor

April 11, 2016

Ane Deister
Parsons Environment &
Infrastructure Group Inc.
100 W. Walnut Street
Pasadena, CA 91124

Subject: Contract Number: 15-T4056 A-1 Exide Site

Enclosed for your records is a copy of the fully executed Standard Agreement for the above mentioned Contract.

Thank you for your cooperation during the entire process. If you have any questions, please contact me at 916. 323.2666.

Sincerely,

Abbe Ramirez
Contracts Unit

Enclosure

cc: Steve Ross
Lori Hankins

FULLY EXECUTED

CHECK HERE IF ADDITIONAL PAGES ARE ATTACHED 7 Pages

AGREEMENT NUMBER	AMENDMENT NUMBER
15-T4056	1
REGISTRATION NUMBER	

- This Agreement is entered into between the State Agency and Contractor named below:
 STATE AGENCY'S NAME
 Department of Toxic Substances Control
 CONTRACTOR'S NAME
 Parsons Environment & Infrastructure Group, Inc.
- The term of this Agreement is November 2, 2015 through December 30, 2016
- The maximum amount of this Agreement after this amendment is: \$3,000,000.00 Amendment Amount \$2,000,000.00
- The parties mutually agree to this amendment as follows. All actions noted below are by this reference made a part of the Agreement and incorporated herein:

SITE: Exide Technologies

Increase funding in the amount of \$2,000,000.00 from an original amount of \$1,000,000.00 to an amended amount not to exceed \$3,000,000.00 to increase the scope of work.

Add Scope of Work, Exhibit A, 5 pages, and by this reference made a part hereof.

Add Budget, Exhibit B, 2 pages, and by this reference made a part hereof.

Exhibit A, B, C, D and E of Master Agreement 13-T3828 remain in effect and are incorporated by reference.

All other terms and conditions shall remain the same.

IN WITNESS WHEREOF, this Agreement has been executed by the parties hereto.



CONTRACTOR		CALIFORNIA Department of General Services Use Only Exempt From the Department of General Services Review per H & S Code Sections 25358.3(a) and 25358.5
CONTRACTOR'S NAME (If other than an individual, state whether a corporation, partnership, etc.) Parsons Environment & Infrastructure Group, Inc.		
BY (Authorized Signature) 	DATE SIGNED (Do not type) 4/6/16	
PRINTED NAME AND TITLE OF PERSON SIGNING Ane Deister, Vice President		
ADDRESS 100 W. Walnut Street Pasadena, CA 91124		
STATE OF CALIFORNIA		
AGENCY NAME Department of Toxic Substances Control		<input type="checkbox"/> Exempt per:
BY (Authorized Signature) 	DATE SIGNED (Do not type) 4/11/16	
PRINTED NAME AND TITLE OF PERSON SIGNING Ed Scholte, Procurement and Contracting Officer		
ADDRESS 1001 I Street, P.O. Box 806, Sacramento, CA 95812-0806		

EXHIBIT A

SCOPE OF WORK

BACKGROUND

As of March 31, 2016, Parsons will complete sampling of 350 homes using the original protocols identified in DTSC approved Sampling Work Plan, dated November 18, 2015. After April 1, 2016, Parsons shall follow the modified protocols, presented in Parsons Sampling Work Plan dated March 17, 2016, and approved by DTSC. These protocols changed the scope of sampling work, and require an amendment to the originally approved Contract 15-T4056, which authorized \$1,000,000 for sampling and reporting for up to 1,000 properties.

SCOPE OF WORK

The Contractor shall provide all personnel, services, materials and equipment necessary to accomplish the environmental scanning, sampling, and analysis for the characterization of lead contaminated soil for up to 500 additional properties, bringing the total to up to 1,500 homes. The properties are located in the vicinity of the Exide Facility in Vernon, California and the results will establish remediation priorities.

The Scope of Work (SOW) for amending Contract 15-T4056 includes adding Task 1a, Task 2a, Task 3a, and Task 4a for sampling of an additional 1,150 homes. Task 5 covers additional sampling services to be provided to DTSC in addition to the sampling and reporting work for up to 1,500 homes, as identified in Exhibit B. The SOW also revises Tasks 2-4 to reflect the updated level of effort and changing sample protocol for the initial 1000 properties. The development of all work plans, sample reports, and associated field activities are to be under the responsible charge of a qualified geologist or engineer, licensed in the State of California.

Task 1a: Sampling and Analysis Workplan

This task includes updating the approved November 2015 Final Workplan Sampling and Analysis of Properties (Workplan) for the characterization of lead contaminated soil by adding 1,150 properties to the already sampled 350 properties. The updated Workplan will be based mainly on revisions necessary to the sampling protocol and sample reporting for completing the remaining properties.

Task 2: Field Sampling

This task includes all activities necessary for the characterization of lead contamination at 350 properties in the vicinity of the Exide Facility in Vernon. Field sampling shall be conducted in accordance with the DTSC approved Workplan. Field sampling shall include x-ray fluorescence (XRF) screening and collection of confirmation sampling, laboratory analysis, quality control, and data management. This task includes, but is not limited to:

- Determining up to 15 soil sampling locations on lawn areas, bare soils, garden areas, play areas, and roof drip-zones, and up to six exterior structure locations for XRF scanning (for lead based paint), and confirmation soil sampling for fixed laboratory analysis;
- Logging the sampling locations;

- Data management;
- Collecting soil to a depth of 3 inches below the surface (for bare dirt) or just below the bottom A-zone horizon beneath lawn areas;
- XRF scanning of the collected soil samples;
- XRF scanning of the exterior of the main dwelling and exterior locations from additional dwellings or structures on the property for Lead-Based Paint (LBP) at a maximum of 6 locations;
- Collect a maximum of two paint chips from locations on the exterior of the main dwelling and locations from additional dwellings or structures (only if flaking paint chips can be collected without damage to the paint);
- Collecting a maximum of two confirmation samples from the two soil sampling locations with the highest lead concentrations;
- Following quality control and quality assurance procedures as defined in the Workplan;
- Documenting, packaging, and shipping, confirmation samples to a certified laboratory for analysis with a maximum two week turnaround for results reporting;
- Photographing sample locations;
- Drawing a detailed illustration of property features, sampling locations and other pertinent information for each property;
- Restoring sample locations with any necessary clean fill; and
- Performing all necessary health and safety monitoring and measures.

A minimum of 3 sampling crews will be required. Each crew shall sample at least two properties per day.

Task 2a: Field Sampling

This task includes all activities necessary for the characterization of lead contamination at up to an additional 1,150 properties in the vicinity of the Exide Facility in Vernon. As of March 31, 2016, 350 properties will be completed with reports to be completed under this task. Field sampling shall be conducted in accordance with the DTSC approved Workplan. Field sampling shall include XRF screening and collection of confirmation sampling, laboratory analysis, quality control, and data management. This task includes, but is not limited to:

- Determining up to 15 soil sampling locations on lawn areas, bare soils, garden areas, play areas, and roof drip-zones, and up to six exterior structure locations for XRF scanning (for lead based paint), for fixed laboratory analysis;
- Logging the sampling locations;
- Data management;
- Collecting soil to a depth of 3 inches below the surface (for bare dirt) or just below the bottom A-zone horizon beneath lawn areas;
- XRF scanning of the collected soil samples;
- XRF scanning of the exterior of the main dwelling and exterior locations from additional dwellings or structures on the property for LBP at a maximum of six locations;
- Collecting a maximum of 2 non-destructive paint chips from locations from the main dwelling and locations from additional dwellings or structures (only if loose and flaky paint chips are available);
- Collecting a maximum of two confirmation samples from the two soil sampling locations with the highest lead concentrations;

- Following quality control and quality assurance procedures as defined in the Workplan;
- Documenting, packaging, and shipping confirmation samples to a certified laboratory for analysis with a maximum two week turnaround for results reporting;
- Photographing sample locations;
- Drawing a detailed illustration of the property features, sampling locations, and other pertinent information for each property;
- Restoring soil excavation sites;
- Performing all necessary health and safety monitoring and measures.

Task 3: Laboratory Analysis

Soil and paint chip samples collected during the field effort will be analyzed at a California certified laboratory approved by DTSC and in accordance with the Workplan. The samples will be analyzed for the following metals in accordance with the procedures and methods established in the Workplan.

Analytes	CAS Registry
Antimony (Sb)	7440-36-0
Arsenic (As)	7440-38-0
Cadmium (Cd)	7440-43-9
Copper (Cu)	7440-50-8
Lead (Pb)	7439-92-1
Zinc (Zn)	7440-66-6

Analytical results shall be validated and reported to DTSC within 30 days of the sample collection. Electronic and hardcopy data submittals will be required in accordance with the Workplan.

Task 3a: Laboratory Analysis

Soil and paint chip samples collected during the field effort will be analyzed at a California certified laboratory approved by DTSC and in accordance with the Workplan. The paint chip samples will be analyzed for lead (CAS #7439.92.1). The soil samples will be analyzed for the following metals in accordance with the procedures and methods established in the Workplan.

Analytes	CAS Registry
Antimony (Sb)	7440-36-0
Arsenic (As)	7440-38-0
Cadmium (Cd)	7440-43-9
Copper (Cu)	7440-50-8
Lead (Pb)	7439-92-1
Zinc (Zn)	7440-66-6

Analytical results shall be validated and reported to DTSC within 30 days of the sample collection. Electronic and hardcopy data submittals will be required in accordance with the Workplan.

Task 4: Reporting

Sampling reports shall be provided for each property in accordance with the reporting requirements established in the Workplan. Sampling reports shall include but not be limited to:

- A description of the property;
- A map showing the sampling locations;
- GIS coordinates of the sampling locations;
- Sampling results in tabular form and electronic format (MS Excel);
- Screening of the results against criteria established in the Workplan to determine if further action is required at the property,
- Laboratory analysis reports;
- An evaluation of the quality of the data; and
- An explanation of any deviation from the Workplan

Sampling reports shall be provided within 30 days from the sampling event. Sampling reports will be signed by a professional engineer or geologist.

Task 4a: Reporting

Sampling reports shall be provided for each property. Sampling reports shall include but not be limited to:

- A summary of the Sampling Activities
- Screening of the results against criteria established in the Workplan;
- A map showing the sampling locations;
- Sampling results in tabular form;
- Laboratory analysis reports;

Sampling reports shall be provided within 30 days from the sampling event. Sampling reports will be signed by a registered engineer or registered geologist.

Task 5: Additional Sampling Services

Task 5 funds shall be used to perform additional sampling services, per DTSC request, and based on Parsons' detailed cost proposal dated 3/28/2016. Services include sampling of commercial facilities such as parks and schools, payment to community outreach groups for canvassing the communities, assistance to DTSC in access agreement coordination, establishment of a shared drive for the benefit of DTSC, and additional XRF comparisons and optimizations tasks not related to residential properties sampled. The Scope of work includes the following elements:

- XRF scanning of nine properties previously sampled by the Exide facilities contractor to confirm data collected. The properties include ENA-12, ESA-06, ESA-11, ESA-15, ESA-16, ESA- 27, ESA-48, ESA-50, and ESA-59;
- Processing optimization and reporting documenting results for the XRF sampling pilot testing;

- Utilizing non-government organizations for community outreach and canvassing of the properties for gaining access agreements for sampling, and cleanup of properties;
- Testing and reporting of up to 32 commercial facilities for lead in soil;
- Coordinate, schedule, and maintain field sampling investigation activities to streamline, expedite, and track current conditions critical to complete tasks. These activities require contacting residences, responding to calls, and scheduling. The Contractor shall maintain a Project Collaboration Portal (PCP) for sharing documents, real time data, schedules communications, and access agreements.

EXHIBIT B

BUDGET DETAIL AND PAYMENT PROVISIONS

The Budget shall not exceed \$3,000,000.00 and the Contract total breakdown of is as follows:

Labor	\$2,058,637
Other Direct Costs	\$840,099
Travel	\$13,654
Fee	\$87,610
Total	\$3,000,000

The DTSC Contract Manager may move funds between line items in the Budget as long as it does not exceed the total budgeted amount.

Contractor shall submit no more than one invoice per month.

Schedule of Other Direct Cost Items

Other Direct Cost items which may be used during the performance of this Contract which are not included in Contractor's overhead will be billed to DTSC at the actual cost with a 10% fee and requires approval of the DTSC Contract Manager. These direct cost items include, but are not limited to, the following:

<u>Item</u>	<u>Cost to DTSC</u>
Equipment (owned or rented)	Market rental rates
Laboratory Services	Actual cost per test
External Services	Actual cost
Subcontractor Costs	Actual cost
External reproduction	Actual cost
Freight and Delivery	Actual cost
Materials/Supplies	Actual cost

BUDGET DETAIL- Exide Site: Environmental Scanning, Sampling, and Analysis Contract 15-T4056 A-1

**Budget Detail
 Environmental Scanning, Sampling, and Analysis
 Contract No. 15-T4056 A-1**

LABOR HOURS	DTSC Task #	DTSC Task #	Task 1		Task 1a		Task 2		Task 2a		Task 3		Task 3a		Task 4		Task 4a		Task 5'		TOTAL			
			Workplan Development		Workplan Development (update)		Field Sampling		Field Sampling		Laboratory Analysis		Laboratory Analysis		Sampling Report		Sampling Report		Out of Sampling Scope Services					
			Hrs	Cost	Hrs	Cost	Hrs	Cost	Hrs	Cost	Hrs	Cost	Hrs	Cost	Hrs	Cost	Hrs	Cost	Hrs	Cost	Hrs	Cost	Hrs	Cost
	350	150	350	150	350	150	350	150	350	150	350	150	350	150	350	150	350	150	350	150	350	150	350	
Program Manager	\$ 120.00	\$ 6,800	56	\$ 6,800	0	\$ 0	198	\$ 23,760	850	\$ 102,000	2	\$ 240	70	\$ 8,400	500	\$ 60,000	1,500	\$ 180,000	150	\$ 18,000	3,325	\$ 399,000		
Registered Engineer	\$ 132.00	\$ 10,956	83	\$ 10,956	0	\$ 0	130	\$ 17,160	800	\$ 105,600	0	\$ 0	0	\$ 0	44	\$ 5,808	300	\$ 39,600	142	\$ 18,744	1,499	\$ 197,868		
Non-registered Engineer	\$ 88.00	\$ 4,752	54	\$ 4,752	0	\$ 0	327	\$ 28,776	950	\$ 83,900	9	\$ 792	70	\$ 6,160	60	\$ 5,280	0	\$ 0	800	\$ 70,400	2,270	\$ 199,760		
Registered Geologist	\$ 120.00	\$ 11,880	99	\$ 11,880	0	\$ 0	690	\$ 82,800	1,195	\$ 132,000	0	\$ 0	0	\$ 0	200	\$ 24,000	1,500	\$ 180,000	0	\$ 0	3,588	\$ 430,560		
Non-registered Geologist	\$ 76.00	\$ 7,600	0	\$ 0	0	\$ 0	438	\$ 33,198	1,200	\$ 91,200	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0	19	\$ 1,444	1,655	\$ 125,760		
Scientist	\$ 82.00	\$ 5,166	63	\$ 5,166	0	\$ 0	3	\$ 246	850	\$ 69,700	0	\$ 0	50	\$ 4,100	575	\$ 47,150	1,500	\$ 123,000	266	\$ 21,912	3,307	\$ 271,174		
Cost Estimator	\$ 76.00	\$ 7,600	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0	150	\$ 11,400	150	\$ 11,400		
Technician	\$ 88.00	\$ 5,372	79	\$ 5,372	0	\$ 0	3	\$ 187	3,700	\$ 251,000	18	\$ 8,024	0	\$ 0	0	\$ 0	0	\$ 0	19	\$ 1,292	3,919	\$ 286,475		
Foreman	\$ 85.00	\$ 8,500	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0		
Equipment Operator	\$ 130.00	\$ 13,000	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0		
Laborer	\$ 95.00	\$ 6,500	1	\$ 95	0	\$ 0	10	\$ 950	75	\$ 7,125	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0		
Certified Industrial Hygienist	\$ 95.00	\$ 9,500	1	\$ 95	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0		
Dealer	\$ 60.00	\$ 6,000	4	\$ 240	333	\$ 19,980	0	\$ 0	1,100	\$ 66,000	0	\$ 0	0	\$ 0	201	\$ 12,060	500	\$ 30,000	210	\$ 12,600	2,348	\$ 140,850		
Total Labor			432	\$ 44,311	333	\$ 19,980	1,797	\$ 187,015	10,830	\$ 909,425	129	\$ 9,056	160	\$ 19,660	1,560	\$ 154,298	5,300	\$ 552,600	1,836	\$ 163,262	22,226	\$ 2,059,637		
TRAVEL																								
Vehicle - Personal (per mile)	\$ 0.575	\$ 0,540	175	\$ 101	76	\$ 42	7,000	\$ 4,025	6,300	\$ 3,402	4375	\$ 2,516	2,488	\$ 1,492	175	\$ 101	205	\$ 111	3,250	\$ 1,869	23746	\$ 13,654		
Per diem (*****)	\$ 180.00	\$ 180,000	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0		
Subtotal Travel			175	\$ 101	76	\$ 42	7,000	\$ 4,025	6,300	\$ 3,402	4375	\$ 2,516	2,488	\$ 1,492	175	\$ 101	205	\$ 111	3,250	\$ 1,869	23746	\$ 13,654		
OTHER DIRECT COSTS (C)																								
Subcontractor: X-my Fluorescence & Lead Based Paint	\$ 180.40	\$ 180,400	1	\$ 180,400	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0		
Subcontractor: Laboratory Analysis	\$ 30,000	\$ 30,000	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0		
Subcontractor: IHS Global	\$ 5,400	\$ 5,400	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0		
Sample collection and analysis (per Pb, Bi, Cd (2), Zn(2), Ar(2), and Zn(2))	\$ 92	\$ 92	1	\$ 92	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0		
Subcontractor: Non-Government Organizations	\$ 30,000	\$ 30,000	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0		
XRF Rental (per month)	\$ 5,400	\$ 5,400	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0		
SUV Rental (per day)	\$ 92	\$ 92	0	\$ 0	0	\$ 0	0	\$ 0	95	\$ 8,740	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0	95	\$ 8,740		
Subcontractor: Labor-technician hourly rate	\$ 68	\$ 68	0	\$ 0	0	\$ 0	0	\$ 0	3700	\$ 251,000	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0	3700	\$ 251,000		
Sampling Consumables (ziploc bags, etc.) & Field Supplies	\$ 80	\$ 80	0	\$ 0	0	\$ 0	0	\$ 0	1246	\$ 99,680	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0	1246	\$ 99,680		
ODCs Subtotal									\$ 360,020	\$ 360,020	\$ 140,000	\$ 140,000	\$ 80,000	\$ 80,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 96,000	\$ 96,000		
Fee (ODCs Only)	10%	\$ 87	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0		
Total ODCs									\$ 360,020	\$ 360,020	\$ 140,000	\$ 140,000	\$ 80,000	\$ 80,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 96,000	\$ 96,000		
TASK SUBTOTALS									\$ 44,499	\$ 44,499	\$ 20,022	\$ 20,022	\$ 411,040	\$ 411,040	\$ 154,399	\$ 154,399	\$ 552,711	\$ 552,711	\$ 270,781	\$ 270,781	\$ 3,000,000	\$ 3,000,000		
Contingency																								
TOTAL ESTIMATED PROJECT COST																								
DWBE Participation dollars and percentage amount: Valverde \$80,000=2% Calveda \$30,000=1%																								