SESCO
Air. Earth. Everything In Between.

October 5, 2006

Mr. Dale Myers
Coordinator for the VCP
Northwest Regional Office
Department of Ecology
3190 160th Ave. SE
Bellevue, WA 98008-7775

Re: Site Assessment Completion Report
Upper Hudson Street Site
4815 15th Avenue SW
Seattle, WA
TCPID NW1585
SESCO Project # 3424

Dear Mr. Myers:

SESCO Group (SESCO) is pleased to provide you with this report of the recent subsurface investigation activities performed at the above referenced site. These activities were performed to remove residual arsenic and lead impacts as well as determine if the subsurface environment immediately south of the cement kiln dust (CKD) excavation was impacted. A site map is included as **Figure 1** of **Appendix A**. Field investigation activities, laboratory results, and conclusions relative to this latest task are discussed below.

Summary

On September 12, 2006, SESCO mobilized to the McFarland property to perform additional subsurface investigation activities. Removal of a limited amount of impacted soil was performed due to analytical results of soil samples BC-9, BC-10, TP-13, and TP-16. These samples displayed concentrations of arsenic and lead above the Model Toxics Control Act (MTCA) Method A cleanup levels. These areas were excavated by Steve Wilson Excavating, under direct supervision of SESCO. A total of approximately 20 cubic yards of additional soil was excavated and loaded into a roll-off container for proper off-site disposal by Waste Management. Photographs of the work in progress are included in **Appendix B**. Confirmatory soil samples were collected after excavation at each of the impacted areas. The soil samples were collected using regular hand tools. All reusable equipment coming in contact with the soil was decontaminated before each use. A new pair of disposable nitrile gloves was used to collect each sample. The samples were submitted to OnSite Environmental, Inc. for arsenic and lead analysis. Specific soil samples in the right-of-way also were submitted for cyanide analysis.

SESCO also excavated three (3) test pits south of the original CKD excavation. The purpose of the test pits was to examine whether visual evidence for residual CKD was present south of the CKD excavation. Soil samples were collected from each of the test pits and submitted for arsenic and lead analysis even though no visual evidence for CKD was observed during the excavations. A summary of the arsenic, cyanide, and lead analytical results is included in **Table 1**:

Eco Risk

Table 1 – Summary of Soil Analytical Results (mg/kg)

Constituents USEPA SW 6020	Lead	Arsenic	Cyanide	Sample Date
BC-9A	<5.5	NA	NA	9/12/06
BC-10A	<5.7	NA	NA	9/12/06
TP-18	51	<12	NA	9/12/06
TP-19	<6.1	<12	NA	9/12/06
TP-20	<6.0	<12	NA	9/12/06
TP-21	130	13	<0.26	9/12/06
TP-22	48	<10	<0.28	9/12/06
Non Industrial	**250**	**20**		
Industrial	**1,000**	**20**		

Sample concentrations are **Red** if concentration exceeds Industrial levels
Sample concentrations are **Blue** if concentration exceeds Non-Industrial levels
Results shown are compared to Model Toxics Control Act Method A Cleanup levels for soils
NA – Not Analyzed

As the above table indicates, none of the soil samples contained arsenic or lead concentrations above the MTCA cleanup levels. In addition, cyanide concentrations were not detected in either of the samples which were analyzed for cyanide. A complete copy of the laboratory analytical results is included in **Appendix C**.

Conclusions & Recommendations

According to the laboratory analytical results, none of the samples colleted on September 12, 2006 contained arsenic, cyanide, or lead concentrations above the MTCA cleanup levels. Therefore, it appears that all of the arsenic and lead impacted soil on the northern end of the CKD excavation has been removed.

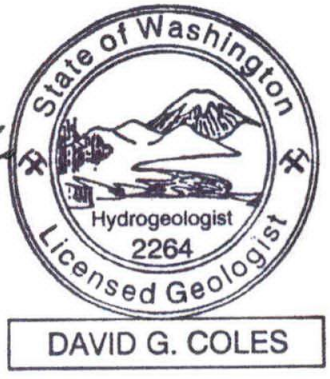
Based on the laboratory analytical results and visual observations from test pits TP-18, TP-19, and TP-20, it appears that the area south of the excavation is free of CKD, and also free of arsenic and lead impacts.

SESCO feels that this additional work has successfully removed residual areas of impacts, and therefore, recommends no further remedial action at the site. If you have any questions regarding this project, please contact us at 317-347-9590.

Sincerely,
SESCO Group

Matt Alspaugh
Staff Project Manager

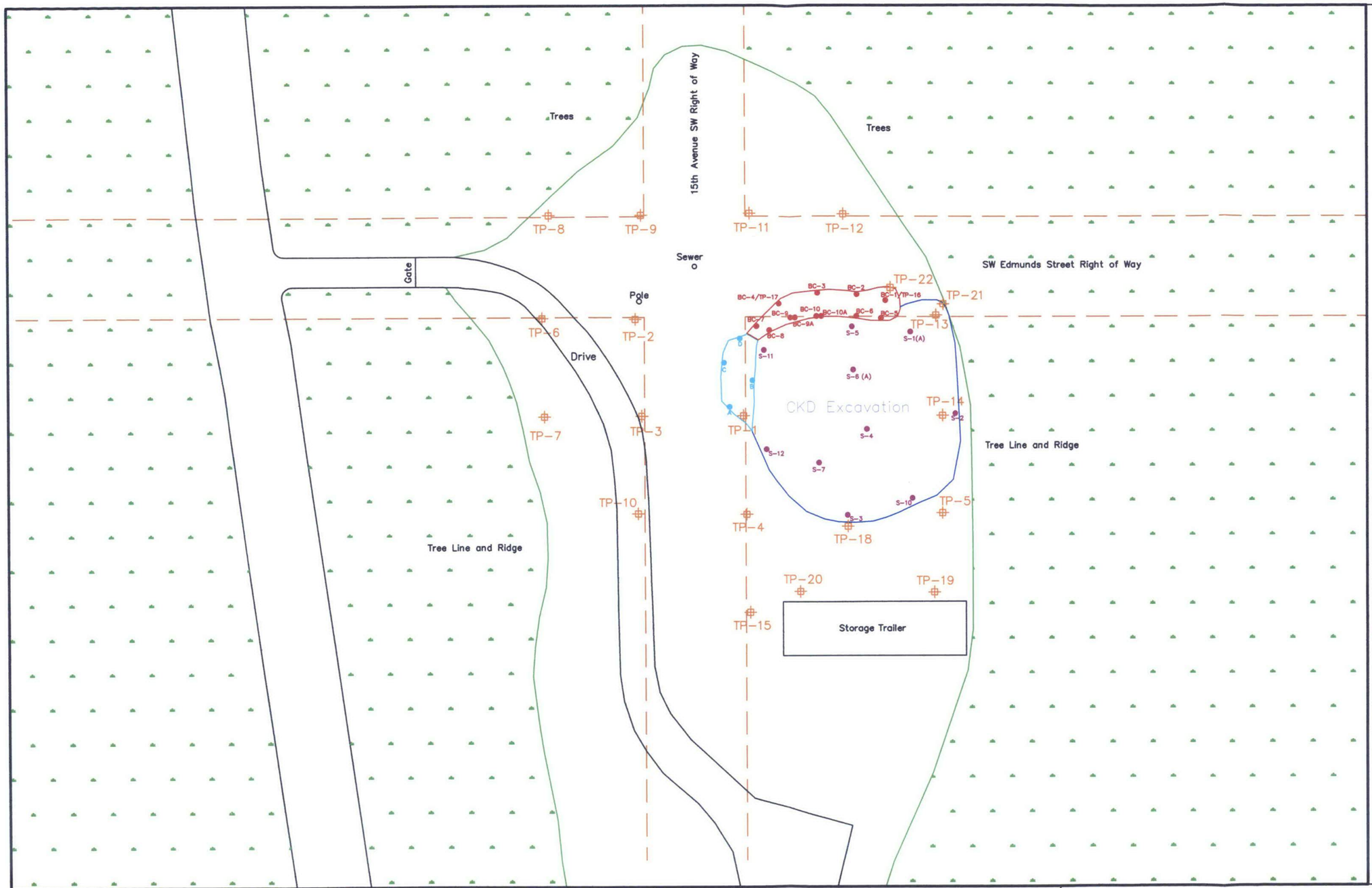
David G. Coles M.S., L.G.
Geochemist



cc: file

Appendix A

Site Map



SESCO
Air. Earth. Everything In Between.

SESCO Group
1426 West 29th Street
Indianapolis, IN
317-347-9590; fax 317-347-9591

Upper Hudson Street Site
4815 SW 15th Avenue
Seattle, WA 98106

Site Map

Scale:	Drawn by:	Figure:
1" = 50'	KB	1

Appendix B

Photographs

Removal of residual arsenic and lead impacted soil in NE corner of excavation (near TP-22)

Removal of residual arsenic and lead impacted soil in NE corner of excavation (near TP-21)

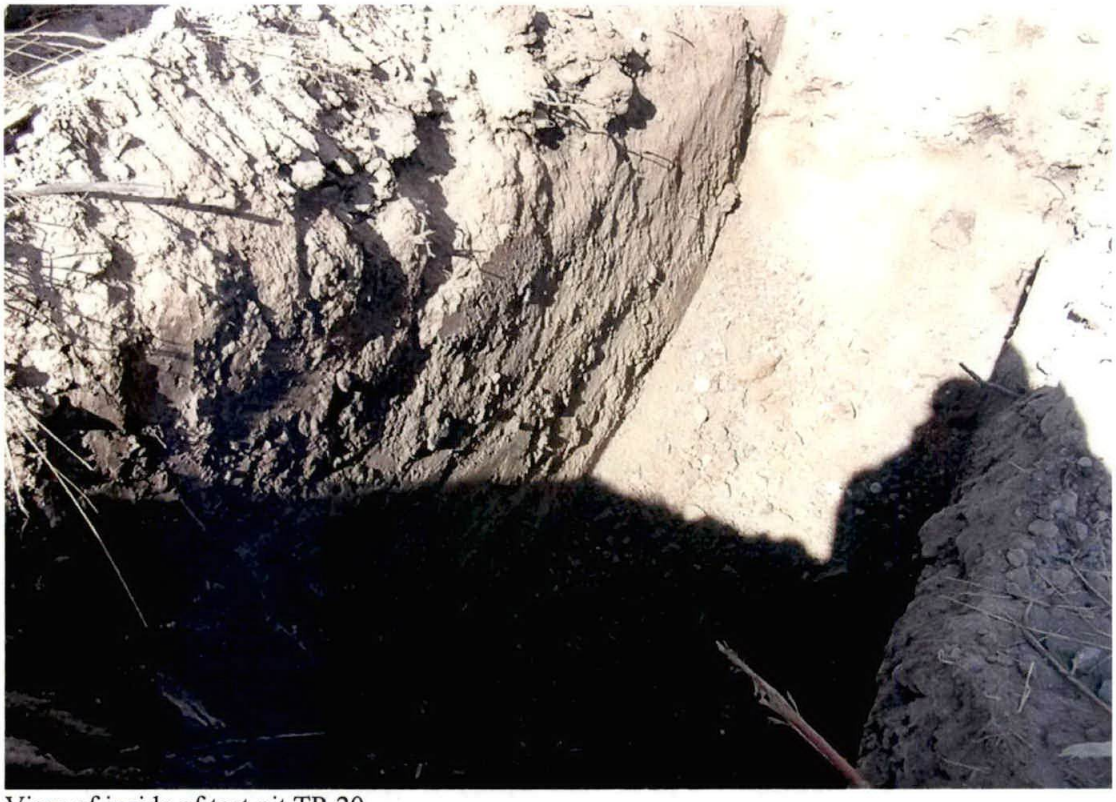
Roll-off container where residual arsenic and lead impacted soil was loaded.

Area south of the excavation (near test pits TP-18, TP-19, and TP-20)

Digging of test pit TP-18 on the south end of the excavation


View of the interior of test pit TP-19

View of the digging of test pit TP-20



View of inside of test pit TP-20

Appendix C

Laboratory Results and Chain of Custody

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

September 26, 2006

Jeff Berebitsky
SESCO Group
5704 N. Montana Avenue
Portland, OR 97217

Re: Analytical Data for Project 3424
Laboratory Reference No. 0609-075

Dear Jeff:

Enclosed are the analytical results and associated quality control data for samples submitted on September 12, 2006.

The standard policy of OnSite Environmental Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

Date of Report: September 26, 2006
Samples Submitted: September 12, 2006
Laboratory Reference: 0609-075
Project: 3424

Case Narrative

Samples were collected on September 12, 2006 and received by the laboratory on September 12, 2006. They were maintained at the laboratory at a temperature of 2°C to 6°C except as noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

Date of Report: September 26, 2006
Samples Submitted: September 12, 2006
Laboratory Reference: 0609-075
Project: 3424

TOTAL METALS
EPA 6010B

Date Extracted: 9-13-06
Date Analyzed: 9-13-06

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 09-075-01
Client ID: TP-18

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	12
Lead	6010B	**51**	6.0

Date of Report: September 26, 2006
Samples Submitted: September 12, 2006
Laboratory Reference: 0609-075
Project: 3424

TOTAL METALS
EPA 6010B

Date Extracted: 9-13-06
Date Analyzed: 9-13-06

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 09-075-02
Client ID: TP-19

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	12
Lead	6010B	**ND**	6.1

Date of Report: September 26, 2006
Samples Submitted: September 12, 2006
Laboratory Reference: 0609-075
Project: 3424

TOTAL METALS
EPA 6010B

Date Extracted: 9-13-06
Date Analyzed: 9-13-06

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 09-075-03
Client ID: TP-20

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	12
Lead	6010B	**ND**	6.0

Date of Report: September 26, 2006
Samples Submitted: September 12, 2006
Laboratory Reference: 0609-075
Project: 3424

TOTAL METALS
EPA 6010B
METHOD BLANK QUALITY CONTROL

Date Extracted:	9-13-06
Date Analyzed:	9-13-06
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	MB0913S1

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	10
Lead	6010B	**ND**	5.0

Date of Report: September 26, 2006
Samples Submitted: September 12, 2006
Laboratory Reference: 0609-075
Project: 3424

TOTAL METALS
EPA 6010B
DUPLICATE QUALITY CONTROL

Date Extracted: 9-13-06
Date Analyzed: 9-13-06

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 09-074-01

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**12.1**	**11.8**	2	10	
Lead	**125**	**133**	6	5.0	

Date of Report: September 26, 2006
Samples Submitted: September 12, 2006
Laboratory Reference: 0609-075
Project: 3424

TOTAL METALS
EPA 6010B
MS/MSD QUALITY CONTROL

Date Extracted: 9-13-06
Date Analyzed: 9-13-06

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 09-074-01

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	100	**99.3**	87	**105**	93	6	
Lead	250	**329**	81	**348**	89	6	

Date of Report: September 26, 2006
Samples Submitted: September 12, 2006
Laboratory Reference: 0609-075
Project: 3424

TCLP Metals
EPA 1311/6010B

Date Prepared:	9-13-06
Date Extracted:	9-14-06
Date Analyzed:	9-14-06
Matrix:	TCLP Extract
Units:	mg/L (ppm)
Lab ID:	09-075-06
Client ID:	DS-1

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	0.40
Lead	6010B	**ND**	0.20

Date of Report: September 26, 2006
Samples Submitted: September 12, 2006
Laboratory Reference: 0609-075
Project: 3424

TCLP Metals
EPA 1311/6010B
METHOD BLANK QUALITY CONTROL

Date Prepared:	9-13-06
Date Extracted:	9-14-06
Date Analyzed:	9-14-06
Matrix:	TCLP Extract
Units:	mg/L (ppm)
Lab ID:	MB0914T1

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	0.40
Lead	6010B	**ND**	0.20

Date of Report: September 26, 2006
Samples Submitted: September 12, 2006
Laboratory Reference: 0609-075
Project: 3424

TCLP Metals
EPA 1311/6010B
DUPLICATE QUALITY CONTROL

Date Prepared: 9-13-06
Date Extracted: 9-14-06
Date Analyzed: 9-14-06

Matrix: TCLP Extract
Units: mg/L (ppm)

Lab ID: 09-058-01

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**ND**	**ND**	NA	0.40	
Lead	**ND**	**ND**	NA	0.20	

Date of Report: September 26, 2006
Samples Submitted: September 12, 2006
Laboratory Reference: 0609-075
Project: 3424

TCLP Metals
EPA 1311/6010B
MS/MSD QUALITY CONTROL

Date Prepared: 9-13-06
Date Extracted: 9-14-06
Date Analyzed: 9-14-06

Matrix: TCLP Extract
Units: mg/L (ppm)

Lab ID: 09-058-01

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	4.0	**3.94**	98	**3.92**	98	0	
Lead	10	**8.84**	88	**8.84**	88	0	

Date of Report: September 26, 2006
Samples Submitted: September 12, 2006
Laboratory Reference: 0609-075
Project: 3424

% MOISTURE

Date Analyzed: 9-12-06

Client ID	Lab ID	% Moisture
TP-18	09-075-01	17
TP-19	09-075-02	18
TP-20	09-075-03	17

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

G - Insufficient sample quantity for duplicate analysis.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

O - Hydrocarbons indicative of diesel fuel are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a silica gel cleanup procedure.

Y - Sample extract treated with an acid/silica gel cleanup procedure.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

TestAmerica
ANALYTICAL TESTING CORPORATION

11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-8244 425-420-9200 FAX 420-9210
11922 E. First Ave, Spokane, WA 99206-5302 509-924-9200 FAX 924-9290
9405 SW Nimbus Ave, Beaverton, OR 97008-7145 503-906-9200 FAX 906-9210
2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 907-563-9200 FAX 563-9210

CHAIN OF CUSTODY REPORT

Work Order # 09-075

CLIENT: SESCO Group

REPORT TO: Sesco Group
ADDRESS: jeff@sescogroup.com

PHONE: FAX:

INVOICE TO:

P.O. NUMBER:

PROJECT NAME: McFarland
PROJECT NUMBER: 3424
SAMPLED BY: M. Alspaugh

PRESERVATIVE: none

REQUESTED ANALYSES

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	Lead	Arsenic	Cyanide	TCLP Lead	TCLP Arsenic	% moisture	MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	TA WO ID
1	TP-18	9/12/06 10:22a	X	X				X	S	1		
2	TP-19	10:48a	X	X				X	S	1		
3	TP-20	11:25a	X	X				X	S	1		
4	TP-21	12:22p			X			X	S	1		
5	TP-22	12:31p			X			X	S	1		
6	DS-1	1:50p	[illegible]			X	X	[illegible]	S	1		
7												
8												
9												
10												

TURNAROUND REQUEST
In Business Days *
Organic & Inorganic Analyses: 10 STD. | 7 | 5 | 4 | 3 | 2 | 1 | <1
Petroleum Hydrocarbon Analyses: 5 STD. | 4 | 3 | 2 | 1 | <1
OTHER Specify:
* Turnaround Requests less than standard may incur Rush Charges.

RELEASED BY: [signature]
PRINT NAME: Matt Alspaugh FIRM: SESCO DATE: 9/12/06 TIME: 1:55p
RECEIVED BY: RJ Graham
PRINT NAME: [illegible] FIRM: SPECO DATE: 9/12/06 TIME: 1400

RELEASED BY: [signature]
PRINT NAME: RJ Graham FIRM: SPECO DATE: 9/12/06 TIME: 1440
RECEIVED BY: [signature]
PRINT NAME: Steve Goodson FIRM: OSE DATE: 9/13/06 TIME: 1400

ADDITIONAL REMARKS:

COC REV 05/2006

TEMP:

PAGE OF

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

Analytical Resources, Incorporated
Analytical Chemists and Consultants

22 September 2006

David Baumeister
OnSite Environmental, Inc.
14648 NE 95th
Redmond, WA 98052

RE: Client Project: 3424
ARI Job No: JW35

Dear David:

Please find enclosed the original Chain-of-Custody (COC) record and the final results for the samples from the project referenced above. Analytical Resources, Inc. accepted two soil samples on September 13, 2006. The samples were received intact. The samples were analyzed for total cyanide as requested.

No analytical complications were noted.

An electronic copy of these reports will remain on file at ARI. Should you have any questions, please contact me at your convenience.

Sincerely,

ANALYTICAL RESOURCES, INC.

Mark D. Harris
Project Manager
206/695-6210
markh@arilabs.com

Enclosures

cc: file JW35

MDH/mdh

JW35

CHAIN OF CUSTODY RECORD

OnSite Environmental Inc.

14648 NE 95th Street, Redmond, WA 98052 · (425) 883-3881

Laboratory Reference #: 09-075

Subcontract Laboratory: Analytical Resources, Inc.

Phone #: (206) 695-6200

Project Manager: David Baumeister

Date/Time: _____

Project Number: 3424

Contact Person: _____

Project Name: _____

OSE #	Sample ID	Date Sampled	Time	Matrix	# Jars	Analysis Requested	Comments/Special Instructions
4	TP-21	9/12/06		S	1	Cyanide	
5	TP-22	9/12/06		S	1	"	

Relinquished by:	date: 9/13/06	Received by:	date: 9/13/06	
Company:	time: 1215	Company: ~~Analytical~~ ARI	time: 1225	
Relinquished by:	date:	Received by:	date:	
Company:	time:	Company:	time:	
Relinquished by:	date:	Received by:	date:	
Company:	time:	Company:	time:	

METHOD BLANK RESULTS-CONVENTIONALS
JW35-OnSite Environmental Inc.

ANALYTICAL RESOURCES INCORPORATED

Matrix: Soil
Data Release Authorized:
Reported: 09/22/06

Project: NA
Event: 3424
Date Sampled: NA
Date Received: NA

Analyte	Date	Units	Blank
Total Solids	09/18/06	Percent	< 0.01 U
	09/18/06		< 0.01 U
Total Cyanide	09/18/06	mg/kg	< 0.050 U

SAMPLE RESULTS-CONVENTIONALS
JW35-OnSite Environmental Inc.

ANALYTICAL RESOURCES INCORPORATED

Matrix: Soil
Data Release Authorized:
Reported: 09/22/06

Project: NA
Event: 3424
Date Sampled: 09/12/06
Date Received: 09/13/06

Client ID: TP-21
ARI ID: 06-16793 JW35A

Analyte	Date	Method	Units	RL	Sample
Total Solids	09/18/06 091806#1	EPA 160.3	Percent	0.01	95.20
Total Cyanide	09/18/06 091806#1	EPA 335.2	mg/kg	0.26	< 0.26 U

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
JW35-OnSite Environmental Inc.

ANALYTICAL RESOURCES INCORPORATED

Matrix: Soil
Data Release Authorized:
Reported: 09/22/06

Project: NA
Event: 3424
Date Sampled: 09/12/06
Date Received: 09/13/06

Client ID: TP-22
ARI ID: 06-16794 JW35B

Analyte	Date	Method	Units	RL	Sample
Total Solids	09/18/06 091806#1	EPA 160.3	Percent	0.01	89.90
Total Cyanide	09/18/06 091806#1	EPA 335.2	mg/kg	0.28	< 0.28 U

RL Analytical reporting limit
U Undetected at reported detection limit

REPLICATE RESULTS-CONVENTIONALS
JW35-OnSite Environmental Inc.

ANALYTICAL RESOURCES INCORPORATED

Matrix: Soil
Data Release Authorized:
Reported: 09/22/06

Project: NA
Event: 3424
Date Sampled: 09/12/06
Date Received: 09/13/06

Analyte	Date	Units	Sample	Replicate(s)	RPD/RSD
ARI ID: JW35A Client ID: TP-21					
Total Solids	09/18/06	Percent	95.20	95.00 94.90	0.2%
Total Cyanide	09/18/06	mg/kg	< 0.26	< 0.26	NA

MS/MSD RESULTS-CONVENTIONALS
JW35-OnSite Environmental Inc.

ANALYTICAL RESOURCES INCORPORATED

Matrix: Soil
Data Release Authorized:
Reported: 09/22/06

Project: NA
Event: 3424
Date Sampled: 09/12/06
Date Received: 09/13/06

Analyte	Date	Units	Sample	Spike	Spike Added	Recovery
ARI ID: JW35A Client ID: TP-21						
Total Cyanide	09/18/06	mg/kg	< 0.26	9.8	10	97.0%

STANDARD REFERENCE RESULTS-CONVENTIONALS
JW35-OnSite Environmental Inc.

ANALYTICAL RESOURCES INCORPORATED

Matrix: Soil
Data Release Authorized:
Reported: 09/22/06

Project: NA
Event: 3424
Date Sampled: NA
Date Received: NA

Analyte/SRM ID	Date	Units	SRM	True Value	Recovery
Total Cyanide EPA #03026	09/18/06	mg/kg	5.2	4.9	106.1%

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

September 13, 2006

Jeff Berebitsky
SESCO Group
5704 N. Montana Avenue
Portland, OR 97217

Re: Analytical Data for Project 3424
Laboratory Reference No. 0609-074

Dear Jeff:

Enclosed are the analytical results and associated quality control data for samples submitted on September 12, 2006.

The standard policy of OnSite Environmental Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

Date of Report: September 13, 2006
Samples Submitted: September 12, 2006
Laboratory Reference: 0609-074
Project: 3424

Case Narrative

Samples were collected on September 12, 2006 and received by the laboratory on September 12, 2006. They were maintained at the laboratory at a temperature of 2°C to 6°C except as noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

Date of Report: September 13, 2006
Samples Submitted: September 12, 2006
Laboratory Reference: 0609-074
Project: 3424

TOTAL METALS
EPA 6010B

Date Extracted: 9-13-06
Date Analyzed: 9-13-06

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 09-074-01
Client ID: TP-21

Analyte	Method	Result	PQL
Arsenic	6010B	**13**	10
Lead	6010B	**130**	5.2

Date of Report: September 13, 2006
Samples Submitted: September 12, 2006
Laboratory Reference: 0609-074
Project: 3424

TOTAL METALS
EPA 6010B

Date Extracted: 9-13-06
Date Analyzed: 9-13-06

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 09-074-02
Client ID: TP-22

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	10
Lead	6010B	**48**	5.0

Date of Report: September 13, 2006
Samples Submitted: September 12, 2006
Laboratory Reference: 0609-074
Project: 3424

TOTAL LEAD
EPA 6010B

Date Extracted: 9-13-06
Date Analyzed: 9-13-06

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 09-074-03
Client ID: BC-9A

Analyte	Method	Result	PQL
Lead	6010B	**ND**	5.5

Date of Report: September 13, 2006
Samples Submitted: September 12, 2006
Laboratory Reference: 0609-074
Project: 3424

TOTAL LEAD
EPA 6010B

Date Extracted: 9-13-06
Date Analyzed: 9-13-06

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 09-074-04
Client ID: BC-10A

Analyte	Method	Result	PQL
Lead	6010B	**ND**	5.7

Date of Report: September 13, 2006
Samples Submitted: September 12, 2006
Laboratory Reference: 0609-074
Project: 3424

TOTAL METALS
EPA 6010B
METHOD BLANK QUALITY CONTROL

Date Extracted:	9-13-06
Date Analyzed:	9-13-06
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	MB0913S1

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	10
Lead	6010B	**ND**	5.0

Date of Report: September 13, 2006
Samples Submitted: September 12, 2006
Laboratory Reference: 0609-074
Project: 3424

TOTAL METALS
EPA 6010B
DUPLICATE QUALITY CONTROL

Date Extracted: 9-13-06
Date Analyzed: 9-13-06

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 09-074-01

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**12.1**	**11.8**	2	10	
Lead	**125**	**133**	6	5.0	

Date of Report: September 13, 2006
Samples Submitted: September 12, 2006
Laboratory Reference: 0609-074
Project: 3424

TOTAL METALS
EPA 6010B
MS/MSD QUALITY CONTROL

Date Extracted: 9-13-06
Date Analyzed: 9-13-06

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 09-074-01

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	100	**99.3**	87	**105**	93	6	
Lead	250	**329**	81	**348**	89	6	

Date of Report: September 13, 2006
Samples Submitted: September 12, 2006
Laboratory Reference: 0609-074
Project: 3424

% MOISTURE

Date Analyzed: 9-12-06

Client ID	Lab ID	% Moisture
TP-21	09-074-01	4
TP-22	09-074-02	0
BC-9A	09-074-03	9
BC-10A	09-074-04	12

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

G - Insufficient sample quantity for duplicate analysis.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

O - Hydrocarbons indicative of diesel fuel are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a silica gel cleanup procedure.

Y - Sample extract treated with an acid/silica gel cleanup procedure.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

TestAmerica
ANALYTICAL TESTING CORPORATION

11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-8244 425-420-9200 FAX 420-9210
11922 E. First Ave, Spokane, WA 99206-5302 509-924-9200 FAX 924-9290
9405 SW Nimbus Ave, Beaverton, OR 97008-7145 503-906-9200 FAX 906-9210
2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 907-563-9200 FAX 563-9210

CHAIN OF CUSTODY REPORT

Work Order #: 09-074

CLIENT: SESCO Group

REPORT TO: SESCO Group
ADDRESS: jeff@sescogroup.com

PHONE: FAX:

INVOICE TO:

P.O. NUMBER:

PROJECT NAME: McFarland

PROJECT NUMBER: 3424

SAMPLED BY: M. Alspaugh

TURNAROUND REQUEST
In Business Days *
Organic & Inorganic Analyses: 10 STD. | 7 | 5 | 4 | 3 | 2 | 1 | <1
Petroleum Hydrocarbon Analyses: 5 STD | 4 | 3 | 2 | 1 | <1
OTHER Specify:
* *Turnaround Requests less than standard* may incur Rush Charges.

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	PRESERVATIVE: None	REQUESTED ANALYSES: Lead	Arsenic		% moisture								MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	TA WO ID
1	TP-21	9/12/06 12:22p		X	X		X								S	1		
2	TP-22	12:31p		X	X		X								S	1		
3	BC-9A	12:50p		X			X								S	1		
4	BC-10A	12:55p		X			X								S	1		
5																		
6																		
7																		
8																		
9																		
10																		

RELEASED BY: [signature] DATE: 9/12/06
PRINT NAME: Matt Alspaugh FIRM: SESCO TIME: 1:55p
RECEIVED BY: [signature] DATE: 9/12/06
PRINT NAME: A.J. BURNINGHAM FIRM: SPECOY TIME: 1400
RELEASED BY: [signature] DATE: 9/12/06
PRINT NAME: BURNINGHAM FIRM: SPECOY TIME: 1440
RECEIVED BY: [signature] DATE: 9/12/06
PRINT NAME: [signature] FIRM: OSE TIME: 1402

ADDITIONAL REMARKS:

TEMP:

COC REV 05 2006

PAGE OF

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