



State of Utah

GARY R. HERBERT
Governor

GREG BELL
Lieutenant Governor

Department of Administrative Services

KIMBERLY K. HOOD
Executive Director

Division of Facilities Construction and Management

DAVID G. BUXTON
Director

ADDENDUM NO. 1

Date: October 15, 2009

To:	Company	Contact	Fax
	CE Butters Construction	Dee Knight	801-782-1515
	Consolidated Paving	Kolten Watterson	801-622-1103
	Direct Push Services	Chad Russell	866-398-8515
	Environmental Prof Services	Everett Harris	303-341-7045
	Grover Excavation	Clayton Grover	435-257-3601
	Hughes General Contractors	Jeremy Gardner	801-295-0530
	Old Brand Excavating	Rex Christensen	801-593-0250
	Ormond Construction	David Ormond	435-723-2910
	Pappas Brick & Stone	Emogene Berrett	801-621-5741

From: Bob Anderson, Project Manager, DFCM

Reference: Contaminated Soils Excavation - Hone Oil Company Property
New Ogden Juvenile Courts Site – Ogden, Utah
DFCM Project No. 08284150

Subject: **Addendum No. 1**

Pages	Addendum Cover Sheet	1 page
	Soil Characterization Study	9 pages
	<u>Soil Sample Summary Figure</u>	<u>1 page</u>
	Total	11 pages

Note: This Addendum shall be included as part of the Contract Documents. Items in this Addendum apply to all drawings and specification sections whether referenced or not involving the portion of the work added, deleted, modified, or otherwise addressed in the Addendum. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to Disqualification.

While we contend that SB220 should only be potentially applicable to a contract issued after the effective date of said bill, this is to clarify that for purposes of this contract, regardless of the execution or effective dates of this contract, the status of Utah Law and remedies available to the State of Utah and DFCM, as it relates to any matter referred to or affected by said SB220, shall be the Utah law in effect at the time of the issuance of this Addendum.

1.1 **SCHEDULE CHANGES:** No Project Schedule changes.

1.2 **GENERAL ITEMS:** See attached Soil Characterization Samples and Summary Figure



AMERICAN
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Ian Percy
RMEC Environmental, Inc.
2188 South Highland Drive, Suite 201
SLC, UT 84106-
TEL: (801) 467-3661
FAX: (801) 583-1463

RE: Ogden Juvenile Courthouse / B-09E-1933

Lab Set ID: 0907239

463 West 3600 South
Salt Lake City, UT
84115

Dear Ian Percy:

American West Analytical Laboratories received 1 sample(s) on 7/15/2009 for the analyses presented in the following report.

All analyses were performed in accordance to The NELAC Institute protocols unless noted otherwise. American West Analytical Laboratories is certified by The NELAC Institute in the following states: Utah, Colorado, Idaho, and Texas. Certification document is available upon request. If you have any questions or concerns regarding this report please feel free to call.

(801) 263-8686
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email: awal@awal-labs.com

The abbreviation "Surr" found in organic reports indicates a surrogate compound that is intentionally added by the laboratory to determine sample injection, extraction, and/or purging efficiency. The "Reporting Limit" found on the report is equivalent to the practical quantitaion limit (PQL). This is the minimum concentration that can be reported by the method referenced and the sample matrix. The reporting limit must not be confused with any regulatory limit.

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Thank You,

Approved by:

Kyle F. Gross
Digitally signed by Kyle F. Gross
DN: cn=Kyle F. Gross, o=AWAL,
ou=AWAL, email=kyle@awal-labs.
com, c=US
Date: 2009.07.17 15:19:32 -06'00'

Laboratory Director or designee



INORGANIC ANALYTICAL REPORT

Client: RMEC Environmental, Inc. **Contact:** Ian Percy
Project: Ogden Juvenile Courthouse / B-09E-1933
Lab Sample ID: 0907239-001
Client Sample ID: OJC Soil Profile
Collection Date: 7/15/2009 11:15:00 AM
Received Date: 7/15/2009

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TOTAL METALS

Analytical Results	Units	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Lead	mg/kg-dry	7/15/2009 7:03:00 PM	SW6010C	6.1	28	

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Kyle F. Gross
 Laboratory Director

Jose Rocha
 QA Officer



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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: RMEC Environmental, Inc. **Contact:** Ian Percy
Project ID: Ogden Juvenile Courthouse / B-09E-1933
Lab Sample ID: 0907239-001
Client Sample ID: OJC Soil Profile
Collection Date: 7/15/2009 11:15:00 AM **Analyzed:** 7/16/2009 10:00:22 PM
Received Date: 7/15/2009 **Extracted:** 7/15/2009 5:09:09 PM
Method Used: SW8015D

Analytical Results TPH-DRO (C10-C28) by Method 8015D Mod/3545A

Units: mg/kg-dry

Dilution Factor: 10

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Diesel Range Organics C10-C28	68476-34-6	250	6,700	²
Surr: 4-Bromofluorobenzene	460-00-4	10-120	20.1	

² - Analyte concentration is too high for accurate matrix spike recovery and/or RPD.
The reporting limits were raised due to high analyte concentrations.



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ORGANIC ANALYTICAL REPORT

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Project ID: Ogden Juvenile Courthouse / B-09E-1933
Lab Sample ID: 0907239-001
Client Sample ID: OJC Soil Profile
Collection Date: 7/15/2009 11:15:00 AM **Analyzed:** 7/15/2009 5:46:00 PM
Received Date: 7/15/2009 **Extracted:**
Method Used: SW8260C

Analytical Results

VOAs Full List by GC/MS Method 8260C

Units: µg/kg-dry

Dilution Factor: 50

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Compound	CAS Number	Reporting Limit	Analytical Result	Qual
1,1,1,2-Tetrachloroethane	630-20-6	120	< 120	
1,1,1-Trichloroethane	71-55-6	120	< 120	
1,1,2,2-Tetrachloroethane	79-34-5	120	< 120	
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	120	< 120	
1,1,2-Trichloroethane	79-00-5	120	< 120	
1,1-Dichloro-1-propene	563-58-6	120	< 120	
1,1-Dichloroethane	75-34-3	120	< 120	
1,1-Dichloroethene	75-35-4	120	< 120	
1,2,3-Trichlorobenzene	87-61-6	120	< 120	
1,2,3-Trichloropropane	96-18-4	120	< 120	
1,2,3-Trimethylbenzene	526-73-8	120	14,000	
1,2,4-Trichlorobenzene	120-82-1	120	< 120	
1,2,4-Trimethylbenzene	95-63-6	1,200	27,000	D
1,2-Dibromo-3-chloropropane	96-12-8	310	< 310	
1,2-Dibromoethane	106-93-4	120	< 120	
1,2-Dichlorobenzene	95-50-1	120	< 120	
1,2-Dichloroethane	107-06-2	120	< 120	
1,2-Dichloropropane	78-87-5	120	< 120	
1,3,5-Trimethylbenzene	108-67-8	120	13,000	
1,3-Dichlorobenzene	541-73-1	120	< 120	
1,3-Dichloropropane	142-28-9	120	< 120	
1,4-Dichlorobenzene	106-46-7	120	< 120	
1,4-Dioxane	123-91-1	3,100	< 3,100	
2,2-Dichloropropane	594-20-7	120	< 120	
2-Butanone	78-93-3	620	< 620	
2-Chloroethyl vinyl ether	110-75-8	310	< 310	
2-Chlorotoluene	95-49-8	120	< 120	
2-Hexanone	591-78-6	310	< 310	
2-Nitropropane	79-46-9	310	< 310	

Report Date: 7/17/2009 Page 4 of 7



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Client Sample ID: OJC Soil Profile
Collection Date: 7/15/2009 11:15:00 AM **Analyzed:** 7/15/2009 5:46:00 PM
Received Date: 7/15/2009 **Extracted:**
Method Used: SW8260C

Analytical Results

VOAs Full List by GC/MS Method 8260C

Units: µg/kg-dry

Dilution Factor: 50

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Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
4-Chlorotoluene	106-43-4	120	< 120	
4-Isopropyltoluene	99-87-6	120	< 120	
4-Methyl-2-pentanone	108-10-1	310	< 310	
Acetone	67-64-1	620	< 620	
Acetonitrile	75-05-8	310	< 310	
Acrolein	107-02-8	310	< 310	
Acrylonitrile	107-13-1	620	< 620	
Allyl chloride	107-05-1	310	< 310	
Benzene	71-43-2	120	130	
Benzyl chloride	100-44-7	310	< 310	
Bis(2-chloroisopropyl) ether	108-60-1	310	< 310	
Bromobenzene	108-86-1	120	< 120	
Bromochloromethane	74-97-5	120	< 120	
Bromodichloromethane	75-27-4	120	< 120	
Bromoform	75-25-2	120	< 120	
Bromomethane	74-83-9	310	< 310	
Butyl acetate	123-86-4	620	< 620	
Carbon disulfide	75-15-0	120	< 120	
Carbon tetrachloride	56-23-5	120	< 120	
Chlorobenzene	108-90-7	120	< 120	
Chloroethane	75-00-3	120	< 120	
Chloroform	67-66-3	120	< 120	
Chloromethane	74-87-3	310	< 310	
Chloroprene	126-99-8	120	< 120	
cis-1,2-Dichloroethene	156-59-2	120	< 120	
cis-1,3-Dichloropropene	10061-01-5	120	< 120	
Cyclohexane	110-82-7	120	1,400	
Cyclohexanone	108-94-1	3,100	< 3,100	
Dibromochloromethane	124-48-1	120	< 120	

Report Date: 7/17/2009 Page 5 of 7



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Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Dibromomethane	74-95-3	120	< 120	
Dichlorodifluoromethane	75-71-8	120	< 120	
Ethyl acetate	141-78-6	620	< 620	
Ethyl ether	60-29-7	620	< 620	
Ethyl methacrylate	97-63-2	120	< 120	
Ethylbenzene	100-41-4	120	980	
Hexachlorobutadiene	87-68-3	120	< 120	
Iodomethane	74-88-4	310	< 310	
Isobutyl alcohol	78-83-1	6,200	< 6,200	
Isopropyl acetate	108-21-4	620	< 620	
Isopropyl alcohol	67-63-0	2,500	< 2,500	
Isopropylbenzene	98-82-8	120	< 120	
Isopropyltoluene	99-87-6	120	< 120	
m,p-Xylene	179601-23-1	120	14,000	
Methacrylonitrile	126-98-7	310	< 310	
Methyl Acetate	79-20-9	310	< 310	
Methyl methacrylate	80-62-6	310	< 310	
Methyl tert-butyl ether	1634-04-4	120	< 120	
Methylcyclohexane	108-87-2	120	5,100	
Methylene chloride	75-09-2	310	< 310	
n-Amyl acetate	628-63-7	620	< 620	
n-Butyl alcohol	71-36-3	6,200	< 6,200	
n-Butylbenzene	104-51-8	120	< 120	
n-Hexane	110-54-3	120	630	
n-Octane	111-65-9	120	3,900	
n-Propylbenzene	103-65-1	120	820	
Naphthalene	91-20-3	120	2,800	
o-Xylene	95-47-6	120	7,600	
Pentachloroethane	76-01-7	120	< 120	

Report Date: 7/17/2009 Page 6 of 7



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Method Used: SW8260C

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Units: µg/kg-dry

Dilution Factor: 50

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Propionitrile	107-12-0	1,500	< 1,500	
Propyl acetate	109-60-4	620	< 620	
sec-Butylbenzene	135-98-8	120	400	
Styrene	100-42-5	120	< 120	
tert-Butyl alcohol	76-65-0	1,200	< 1,200	
tert-Butylbenzene	98-06-6	120	< 120	
Tetrachloroethene	127-18-4	120	< 120	
Tetrahydrofuran	109-99-9	120	< 120	
Toluene	108-88-3	120	200	
trans-1,2-Dichloroethene	156-60-5	120	< 120	
trans-1,3-Dichloropropene	10061-02-6	120	< 120	
trans-1,4-Dichloro-2-butene	110-57-6	120	< 120	
Trichloroethene	79-01-6	120	< 120	
Trichlorofluoromethane	75-69-4	120	< 120	
Vinyl acetate	108-05-4	620	< 620	
Vinyl chloride	75-01-4	62	< 62	
TPH C6-C10 (GRO)		1,200	900,000	
Surr: 1,2-Dichloroethane-d4	17060-07-0	72-139	98.1	
Surr: 4-Bromofluorobenzene	460-00-4	71-144	94.4	
Surr: Dibromofluoromethane	1868-53-7	73-126	95.5	
Surr: Toluene-d8	2037-26-5	72-129	101	

D - This analyte was obtained from a 1:500 dilution.

The reporting limits were raised due to high analyte concentrations.

Sampling and analytical preparation performed by method 5030C.

American West Analytical Laboratories



WORK ORDER SUMMARY

15-Jul-09

Work Order: 0907239
 WO Type: Standard

Client ID: RME200
 Contact: Ian Percy

Project: Ogden Juvenile Courthouse / B-09E-1933

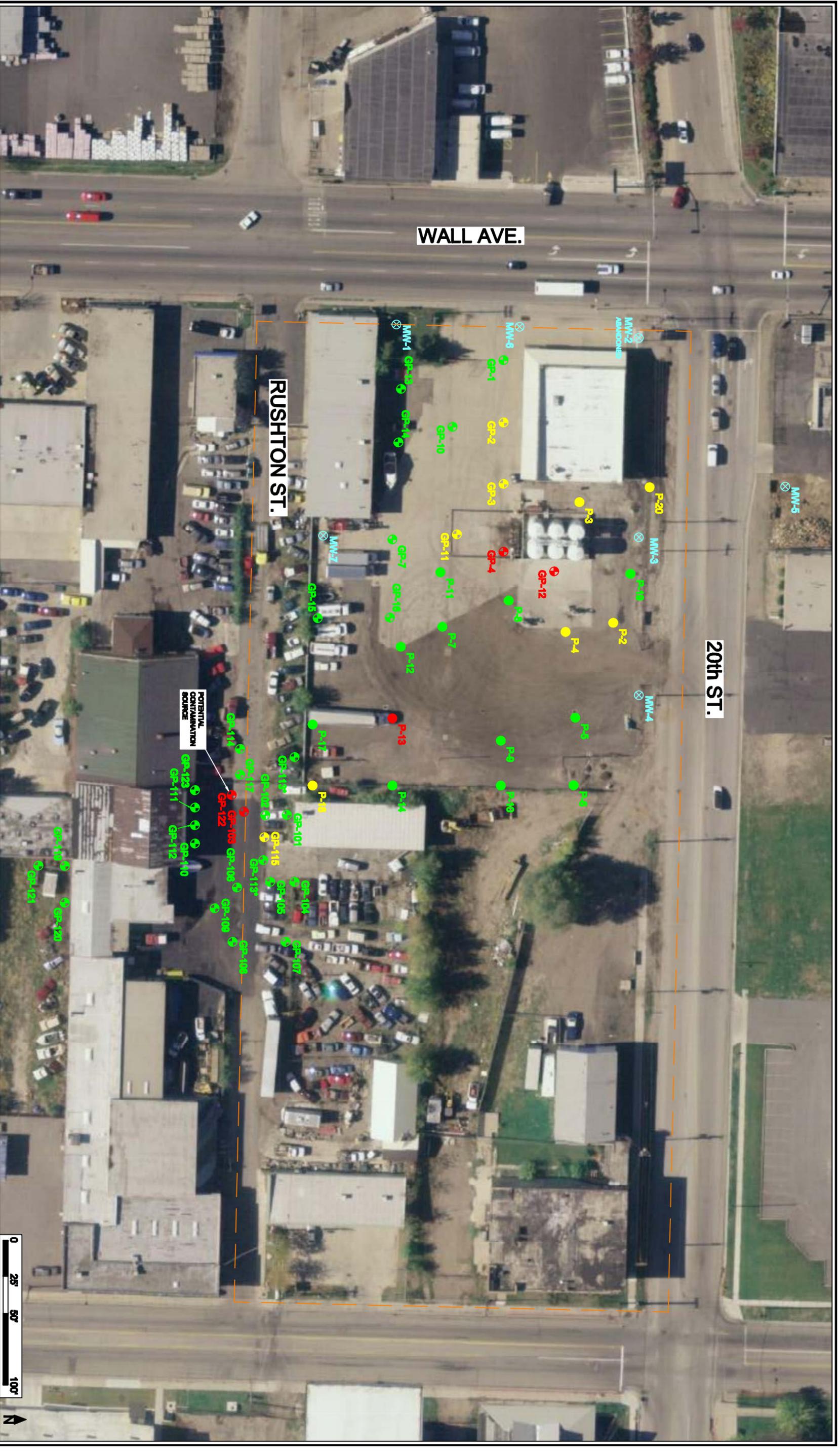
QC Level: LEVEL 1

Reviewed by on

Comments: 2 Day Rush; No Hard Copies.

bb

Sample ID	Client Sample ID	Date Collected	Date Received	Date Due	Matrix	Test Code	Hid	MS	SEL	Sub	Storage
0907239-001A	OIC Soil Profile	7/15/2009 11:15:00 AM	7/15/2009 2:15:55 PM	7/17/2009	Soil	3051A-ICPMS-PR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	july 15 - metals
				7/17/2009		6010C-S	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	july 15 - metals
				7/17/2009		PMOIST	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	july 15 - metals
0907239-001B				7/17/2009		3545A-TPH-PR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	hall - tph
				7/17/2009		8015-S-TPH	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	hall - tph
0907239-001C				7/17/2009		8260-S	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	VOCFridge



RMEC ENVIRONMENTAL, INC.

FIGURE 2: SOIL SAMPLE LOCATIONS

UTAH DIVISION OF FACILITY CONSTRUCTION AND MANAGEMENT
 SITE A - RUSHTON AREA (FORMER HONE OIL SITE)
 DATE: 6/2/09

* Sample GP-113 is labeled twice on this figure due to information provided by Hamilton. One of these samples is likely GP-116, however information to decipher which sample is GP-116 is not available at this time

LEGEND

- ⊕ GEOPROBE SAMPLE LOCATION
- ⊗ MONITORING WELL LOCATION
- PIT SAMPLE LOCATION
- - - SITE A-RUSHTON AREA BOUNDARY
- RED SAMPLES HAVE CONTAMINANTS ABOVE TIER 1 SCREENING LEVELS
- YELLOW SAMPLES HAVE CONTAMINANTS ABOVE INITIAL SCREENING LEVELS
- GREEN SAMPLES ARE BELOW INITIAL SCREENING LEVELS

