

7/27/07 Left voice mail for Ben Peotter
advising that submittal was tracked in
our NAR module.

June 26, 2007

AYRES
ASSOCIATES

UST Closures Assessments – RR/3
Wisconsin Department of Natural Resources
PO Box 7921
Madison, WI 53707

09-42-549869
07/30/2007

Re: Closure Assessment for Underground Storage Tank, MATES Building, Ft. McCoy

Dear UST Closures Assessments Personnel:

The United States Army owned Fort McCoy Maneuver Area Training Equipment Site (MATES), located in Fort McCoy Military Base, is utilized for regular maintenance of military vehicles, including oil changes. Used oil was transferred through double walled piping to an underground storage tank located outside of the northeast corner of the building.

On May 3, 2007, our staff observed the removal of a 550-gallon double-walled fiberglass used oil underground storage tank outside the MATES Building at Fort McCoy. Removal of the tank and completion of associated paperwork was completed by METCO, 102 Enterprise Drive Hillsboro, Wisconsin, with observation by Ayres Associates certified site assessor Eric Pederson (ID 42546). Normally, we would attach the appropriate paperwork but we have not received a copy from METCO despite repeated requests. The tank removed was 4 feet in diameter, 7 feet long and in-tact with no apparent signs of leakage or staining.

Samples were collected by Mr. Pederson at four locations: two beneath the tank and two beneath the piping from the building. Samples collected beneath the transfer piping were collected 1.5 feet below the pipe and samples collected beneath the northern and southern portions of the tank were collected at 2 feet below the tank. All samples were field screened using a HNU photoionization detector (PID) and all readings were found to be at background levels.

The four soil samples were analyzed for diesel range organics (DRO), petroleum volatile organic compounds (PVOC) and naphthalene. Soil samples consisted of light colored sand and the samples did not contain any discoloration that would indicate the used oil tank or piping was leaking. Samples were analyzed at CT Laboratories in Baraboo, Wisconsin, and did not contain any detectable limits of the constituents analyzed as shown in the attached results.

This information should satisfy the closure assessment requirements from this tank. If you have any questions, feel free to contact me directly at (608) 443-1289 to discuss further.

Sincerely,

Ayres Associates Inc



Ben Peotter, PE
Environmental Engineer

Enclosure

cc: Jim McMillan, Division of State Facilities

File: j:\es\projects\53054800\tank closure.doc

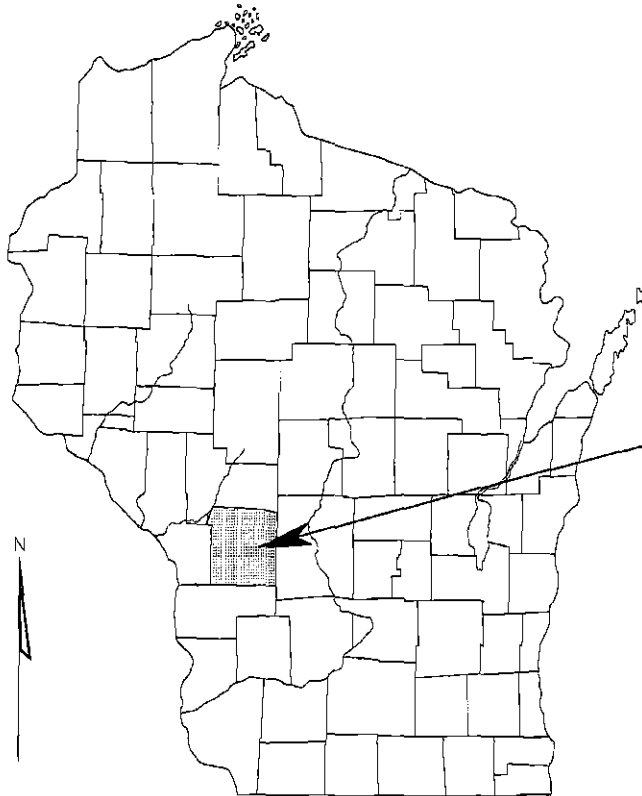
Received

JUN 27 2007

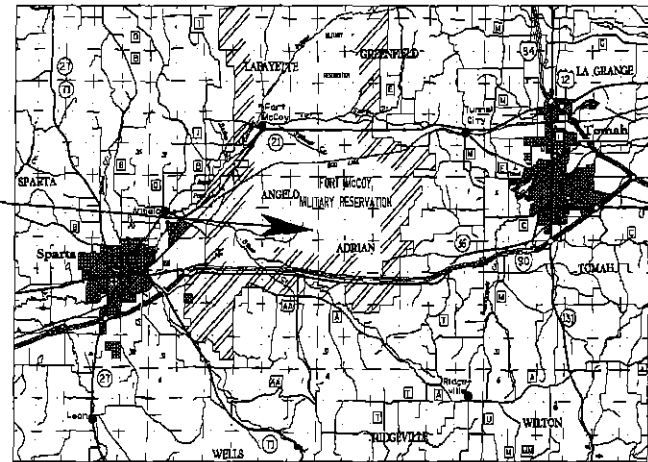
REMEDIATION &
REDEVELOPMENT

Project: 53-0548.00

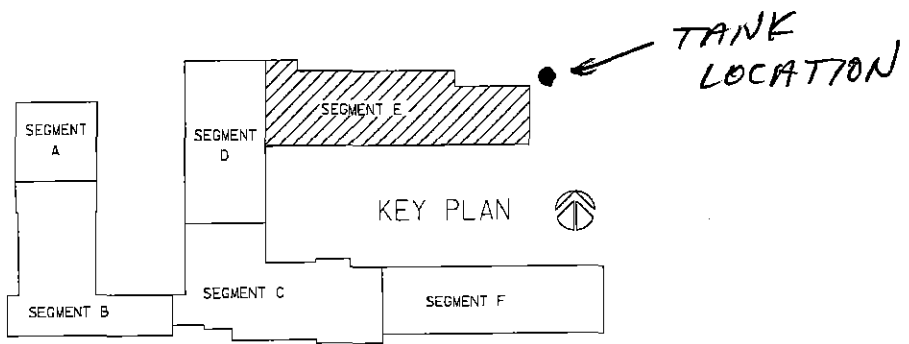
MANEUVER AREA TRAINING EQUIPMENT SITE (MATES)
FORT MC COY, WISCONSIN
DIVISION PROJECT No. 05E2V



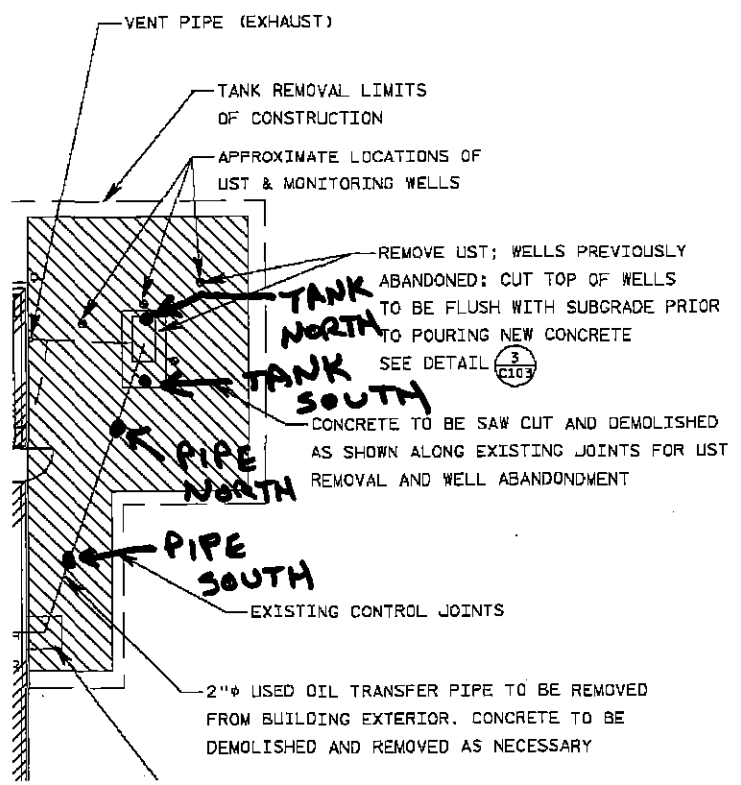
PROJECT
LOCATION



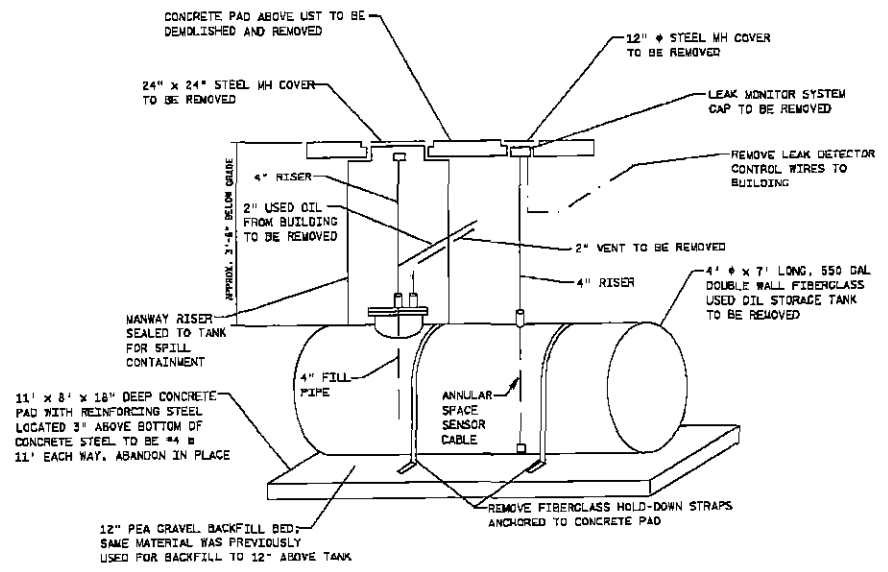
FORT MC COY
MONROE COUNTY, WISCONSIN



MATES BUILDING LAYOUT
N.T.S.



SCALE 1" = 17'



EXISTING UNDERGROUND
3 C103 USED OIL STORAGE TANK
NOT TO SCALE

ANALYTICAL REPORT

Page 1 of 3

AYRES ASSOCIATES
 BEN PEOTTER
 1802 PANKRATZ ST
 MADISON, WI 53704-4069

Project Name: FORT MCCOY
 Contract #: 1452
 Project #:
 Folder #: 60137
 Purchase Order #:
 Arrival Temperature: See COC
 Report Date: 5/22/2007
 Date Received: 5/8/2007
 Reprint Date:

| | | |
|-----------------|--------------------------------|-------------------|
| CT Lab#: 470401 | Sample Description: TANK NORTH | Sampled: 5/4/2007 |
|-----------------|--------------------------------|-------------------|

| Analyte | Result | Units | LOD | LOQ | Dilution | Qualifier | Prep Date | Analysis Date | Analyst | Method |
|--------------------------|--------------|-------|-------|-------|----------|-----------|-----------|---------------|---------|-----------|
| Inorganic Results | | | | | | | | | | |
| Solids, Percent | 97.1 % | | N/A | N/A | 1.0 | | | 5/11/2007 | CES | EPA 5030A |
| Organic Results | | | | | | | | | | |
| Diesel Range Organics | <1.0 mg/kg | | 1.0 | 2.3 | 1.0 | | 5/8/2007 | 5/18/2007 | JRC | WDNR DRO |
| Benzene | <0.025 mg/kg | | 0.010 | 0.034 | 1.0 | | 5/8/2007 | 5/9/2007 | DJH | EPA 8020A |
| Ethylbenzene | <0.025 mg/kg | | 0.011 | 0.037 | 1.0 | | 5/8/2007 | 5/9/2007 | DJH | EPA 8020A |
| Methyl tert-butyl ether | <0.025 mg/kg | | 0.017 | 0.058 | 1.0 | | 5/8/2007 | 5/9/2007 | DJH | EPA 8020A |
| Naphthalene | <0.025 mg/kg | | 0.014 | 0.048 | 1.0 | | 5/8/2007 | 5/9/2007 | DJH | EPA 8020A |
| Toluene | <0.025 mg/kg | | 0.015 | 0.049 | 1.0 | | 5/8/2007 | 5/9/2007 | DJH | EPA 8020A |
| 1,2,4-Trimethylbenzene | <0.025 mg/kg | | 0.013 | 0.042 | 1.0 | | 5/8/2007 | 5/9/2007 | DJH | EPA 8020A |
| 1,3,5-Trimethylbenzene | <0.025 mg/kg | | 0.012 | 0.039 | 1.0 | | 5/8/2007 | 5/9/2007 | DJH | EPA 8020A |
| m & p-Xylene | <0.025 mg/kg | | 0.024 | 0.081 | 1.0 | | 5/8/2007 | 5/9/2007 | DJH | EPA 8020A |
| o-Xylene | <0.025 mg/kg | | 0.013 | 0.042 | 1.0 | | 5/8/2007 | 5/9/2007 | DJH | EPA 8020A |

| | | |
|-----------------|--------------------------------|-------------------|
| CT Lab#: 470402 | Sample Description: TANK SOUTH | Sampled: 5/4/2007 |
|-----------------|--------------------------------|-------------------|

| Analyte | Result | Units | LOD | LOQ | Dilution | Qualifier | Prep Date | Analysis Date | Analyst | Method |
|--------------------------|------------|-------|-----|-----|----------|-----------|-----------|---------------|---------|-----------|
| Inorganic Results | | | | | | | | | | |
| Solids, Percent | 96.1 % | | N/A | N/A | 1.0 | | | 5/11/2007 | CES | EPA 5030A |
| Organic Results | | | | | | | | | | |
| Diesel Range Organics | <1.0 mg/kg | | 1.0 | 2.3 | 1.0 | | 5/8/2007 | 5/18/2007 | JRC | WDNR DRO |

WI DNR Lab Certification Number: 15-7066030
 DATCP Certification Number: 105-000289
 LA NELAP Certification Number: 04091



| | | |
|-----------------|--------------------------------|-------------------|
| CT Lab#: 470402 | Sample Description: TANK SOUTH | Sampled: 5/4/2007 |
|-----------------|--------------------------------|-------------------|

| Analyte | Result | Units | LOD | LOQ | Dilution | Qualifier | Prep Date | Analysis Date | Analyst | Method |
|-------------------------|--------|-------|-------|-------|----------|-----------|-----------|---------------|---------|-----------|
| Benzene | <0.025 | mg/kg | 0.010 | 0.034 | 1.0 | | 5/8/2007 | 5/9/2007 | DJH | EPA 8020A |
| Ethylbenzene | <0.025 | mg/kg | 0.011 | 0.037 | 1.0 | | 5/8/2007 | 5/9/2007 | DJH | EPA 8020A |
| Methyl tert-butyl ether | <0.025 | mg/kg | 0.017 | 0.058 | 1.0 | | 5/8/2007 | 5/9/2007 | DJH | EPA 8020A |
| Naphthalene | <0.025 | mg/kg | 0.014 | 0.048 | 1.0 | | 5/8/2007 | 5/9/2007 | DJH | EPA 8020A |
| Toluene | <0.025 | mg/kg | 0.015 | 0.049 | 1.0 | | 5/8/2007 | 5/9/2007 | DJH | EPA 8020A |
| 1,2,4-Trimethylbenzene | <0.025 | mg/kg | 0.013 | 0.042 | 1.0 | | 5/8/2007 | 5/9/2007 | DJH | EPA 8020A |
| 1,3,5-Trimethylbenzene | <0.025 | mg/kg | 0.012 | 0.039 | 1.0 | | 5/8/2007 | 5/9/2007 | DJH | EPA 8020A |
| m & p-Xylene | <0.025 | mg/kg | 0.024 | 0.081 | 1.0 | | 5/8/2007 | 5/9/2007 | DJH | EPA 8020A |
| o-Xylene | <0.025 | mg/kg | 0.013 | 0.042 | 1.0 | | 5/8/2007 | 5/9/2007 | DJH | EPA 8020A |

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|-----------------|--------------------------------|-------------------|
| CT Lab#: 470403 | Sample Description: PIPE NORTH | Sampled: 5/4/2007 |
|-----------------|--------------------------------|-------------------|

| Analyte | Result | Units | LOD | LOQ | Dilution | Qualifier | Prep Date | Analysis Date | Analyst | Method |
|---------|--------|-------|-----|-----|----------|-----------|-----------|---------------|---------|--------|
|---------|--------|-------|-----|-----|----------|-----------|-----------|---------------|---------|--------|

Inorganic Results

| | | | | | | | | | | |
|-----------------|--------|--|-----|-----|-----|--|--|-----------|-----|-----------|
| Solids, Percent | 95.6 % | | N/A | N/A | 1.0 | | | 5/11/2007 | CES | EPA 5030A |
|-----------------|--------|--|-----|-----|-----|--|--|-----------|-----|-----------|

Organic Results

| | | | | | | | | | | |
|-------------------------|--------|-------|-------|-------|-----|--|----------|-----------|-----|-----------|
| Diesel Range Organics | <1.0 | mg/kg | 1.0 | 2.3 | 1.0 | | 5/8/2007 | 5/18/2007 | JRC | WDNR DRO |
| Benzene | <0.025 | mg/kg | 0.010 | 0.034 | 1.0 | | 5/8/2007 | 5/9/2007 | DJH | EPA 8020A |
| Ethylbenzene | <0.025 | mg/kg | 0.011 | 0.037 | 1.0 | | 5/8/2007 | 5/9/2007 | DJH | EPA 8020A |
| Methyl tert-butyl ether | <0.025 | mg/kg | 0.017 | 0.058 | 1.0 | | 5/8/2007 | 5/9/2007 | DJH | EPA 8020A |
| Naphthalene | <0.025 | mg/kg | 0.014 | 0.048 | 1.0 | | 5/8/2007 | 5/9/2007 | DJH | EPA 8020A |
| Toluene | <0.025 | mg/kg | 0.015 | 0.049 | 1.0 | | 5/8/2007 | 5/9/2007 | DJH | EPA 8020A |
| 1,2,4-Trimethylbenzene | <0.025 | mg/kg | 0.013 | 0.042 | 1.0 | | 5/8/2007 | 5/9/2007 | DJH | EPA 8020A |
| 1,3,5-Trimethylbenzene | <0.025 | mg/kg | 0.012 | 0.039 | 1.0 | | 5/8/2007 | 5/9/2007 | DJH | EPA 8020A |
| m & p-Xylene | <0.025 | mg/kg | 0.024 | 0.081 | 1.0 | | 5/8/2007 | 5/9/2007 | DJH | EPA 8020A |
| o-Xylene | <0.025 | mg/kg | 0.013 | 0.042 | 1.0 | | 5/8/2007 | 5/9/2007 | DJH | EPA 8020A |

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|-----------------|--------------------------------|-------------------|
| CT Lab#: 470404 | Sample Description: PIPE SOUTH | Sampled: 5/4/2007 |
|-----------------|--------------------------------|-------------------|

| Analyte | Result | Units | LOD | LOQ | Dilution | Qualifier | Prep Date | Analysis Date | Analyst | Method |
|---------|--------|-------|-----|-----|----------|-----------|-----------|---------------|---------|--------|
|---------|--------|-------|-----|-----|----------|-----------|-----------|---------------|---------|--------|

Inorganic Results

| | | | | | | | | | | |
|-----------------|--------|--|-----|-----|-----|--|--|-----------|-----|-----------|
| Solids, Percent | 95.8 % | | N/A | N/A | 1.0 | | | 5/11/2007 | CES | EPA 5030A |
|-----------------|--------|--|-----|-----|-----|--|--|-----------|-----|-----------|

Organic Results

WI DNR Lab Certification Number: 15-7066030
 DATCP Certification Number: 105-000289
 LA NELAP Certification Number: 04091



| | | |
|-----------------|--------------------------------|-------------------|
| CT Lab#: 470404 | Sample Description: PIPE SOUTH | Sampled: 5/4/2007 |
|-----------------|--------------------------------|-------------------|


| Analyte | Result | Units | LOD | LOQ | Dilution | Qualifier | Prep Date | Analysis Date | Analyst | Method |
|-------------------------|--------|-------|-------|-------|----------|-----------|-----------|---------------|---------|-----------|
| Diesel Range Organics | <1.0 | mg/kg | 1.0 | 2.3 | 1.0 | | 5/8/2007 | 5/18/2007 | JRC | WDNR DRO |
| Benzene | <0.025 | mg/kg | 0.010 | 0.034 | 1.0 | | 5/8/2007 | 5/9/2007 | DJH | EPA 8020A |
| Ethylbenzene | <0.025 | mg/kg | 0.011 | 0.037 | 1.0 | | 5/8/2007 | 5/9/2007 | DJH | EPA 8020A |
| Methyl tert-butyl ether | <0.025 | mg/kg | 0.017 | 0.058 | 1.0 | | 5/8/2007 | 5/9/2007 | DJH | EPA 8020A |
| Naphthalene | <0.025 | mg/kg | 0.014 | 0.048 | 1.0 | | 5/8/2007 | 5/9/2007 | DJH | EPA 8020A |
| Toluene | <0.025 | mg/kg | 0.015 | 0.049 | 1.0 | | 5/8/2007 | 5/9/2007 | DJH | EPA 8020A |
| 1,2,4-Trimethylbenzene | <0.025 | mg/kg | 0.013 | 0.042 | 1.0 | | 5/8/2007 | 5/9/2007 | DJH | EPA 8020A |
| 1,3,5-Trimethylbenzene | <0.025 | mg/kg | 0.012 | 0.039 | 1.0 | | 5/8/2007 | 5/9/2007 | DJH | EPA 8020A |
| m & p-Xylene | <0.025 | mg/kg | 0.024 | 0.081 | 1.0 | | 5/8/2007 | 5/9/2007 | DJH | EPA 8020A |
| o-Xylene | <0.025 | mg/kg | 0.013 | 0.042 | 1.0 | | 5/8/2007 | 5/9/2007 | DJH | EPA 8020A |

Notes regarding entire Chain of Custody:

Notes: * Indicates Value in between LOD and LOQ.

All samples were received intact and properly preserved unless otherwise noted. The results reported relate only to the samples tested. This report shall not be reproduced, except in full, without written approval of this laboratory. The Chain of Custody is attached.

This report satisfies the requirements of your project but has not been prepared to comply with NELAP reporting requirements.

Submitted by: 

Eric T. Korthals
Project Manager
608-356-2760



60137

CHAIN OF CUSTODY RECORD

 Folder #: 60137
 Company: AYRES ASSOCIATES
 Project: FORT MCCOY
 Logged By: JLS PM: ET

| PROJECT NO. | | PROJECT NAME/CLIENT | | | | NO. OF JARS | DRO (MDNR) | GRO (MDNR) | P/VOG (EPA 8020) | GRO/P/VOG | VOC (EPA 8021) | P/Hex + Naphthalene | DRO | COMMENTS |
|-----------------------|------------|---------------------|------|---------------|---------------|-------------|------------|------------|------------------|-----------|----------------|---------------------|-----|----------|
| SAMPLERS: (Signature) | | COLLECTION | | PRESERVE TYPE | SAMPLE MATRIX | | | | | | | | | |
| LAB ID | SAMPLE NO. | DATE | TIME | | | | | | | | | | | |
| 470401 | TANK NORTH | 5-4-07 | | meth | Soil | 3 | | | | X | X | | | |
| 470402 | TANK SOUTH | " | | " | " | 3 | | | | X | X | | | |
| 470403 | PIPE NORTH | " | | " | " | 3 | | | | X | X | | | |
| 470404 | PIPE SOUTH | " | | " | " | 3 | | | | X | X | | | |
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ICE
 2.2
 SAZ
 5/8/07 0845

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|------------------------------|-------------|---|------------------------------|-----------|--------------------------|
| RELINQUISHED BY: (Signature) | DATE/TIME | RECEIVED BY: (Signature) | RELINQUISHED BY: (Signature) | DATE/TIME | RECEIVED BY: (Signature) |
| <i>Ben A. Pelt</i> | 5/4/07 8:00 | <i>[Signature]</i> | | 1 | |
| RELINQUISHED BY: (Signature) | DATE/TIME | RECEIVED FOR LABORATORY BY: (Signature) | DATE/TIME | | |
| | 1 | <i>[Signature]</i> | 5/8/07 0852 | | |
| METHOD OF SHIPMENT: | DROP OFF | LAB COURIER | OTHER: | | |

SEND RESULTS AND C.O.C. TO: (NAME) BEN PEOTTER



Owen Ayres & Associates, Inc.
 Engineers / Photogrammetrists / Scientists / Surveyors
 1802 Pankratz Street, Madison, WI 53704-4069
 (608) 443-1200 Fax No. (608) 443-1250

MAKE INVOICE TO:
 NAME: SAME AS
 ADDRESS: _____
 CITY/STATE: _____
 REMARKS:
 Please FAX executed C.O.C. upon receipt to (608) 443-1250