

MONTHLY PROGRESS REPORT
FORMER SPELLMAN ENGINEERING SITE
ORLANDO, FLORIDA
USEPA SITE IDENTIFICATION NUMBER 3750

Report Number: 11
Reporting Period: July 1, 2011 to July 31, 2011
Date: September 9, 2011
Site: Former Spellman Engineering Site
Orlando, Florida
Project: Remedial Action by Contiguous Property Owner

A. Actions/Communications which have been taken toward achieving compliance with the Agreement and Order on Consent during the Reporting Period.

- Ø Began installation testing of the enhanced reductive dechlorination (ERD) remedial system.
- Ø Continued correspondence to obtain a signed modified access agreement from Brookhaven Investments. Approval of the proposed access agreement is pending and expected to be executed in early August 2011.

B. Results of sampling and tests and all other data received or generated during the reporting period.

- Ø Analytical results from the MPE test are attached.

C. Plans, work plans, and other deliverables completed and submitted during the reporting period.

- Ø No deliverables were submitted during this reporting period.

D. Actions, data collection, and implementation of work plans scheduled for the next six weeks.

- Ø Conduct baseline sampling and implement startup of the ERD remedial system.
- Ø Submit August 2011 USEPA Monthly Progress Report.
- Ø Begin a multi-phase extraction (MPE) pilot test.
- Ø Conduct semi-annual groundwater sampling and analysis.

E. Percentage completion and scheduling revisions/resolution.

- Ø 47%

F. Modifications to the work plans or other schedules that have been proposed to EPA or have been approved by EPA.

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∅ No modifications were made during this reporting period.

G. Activities undertaken in support of the Community Relations Plan during this reporting period and those scheduled for the next six weeks.

∅ The City of Orlando's community relations representative will continue coordinating with neighboring property owners, as necessary, throughout implementation of the groundwater remedial action construction.

H. Path Forward

∅ USEPA Progress Reports will be completed on a monthly basis.

∅ Continue semi-annual groundwater sampling and analysis and annual monitoring reports.

∅ Conduct baseline sampling for the ERD remedial system and implement system startup.

∅ Complete access agreements.

∅ Begin construction of the ISCO system.

Attachments

∅ None

Accutest Laboratories Southeast, Inc. 9/7/2011 9:22

| | |
|-----------------|---|
| Job Number: | F84257 |
| Account: | ARCADIS U.S. Inc |
| Project: | Former Spellman Engineering, 724 Brookhaven Dr, Orlando, FL |
| Project Number: | GP08LHPS.RE00 |

Legend: Hit

| Client Sample ID: | | LPAS BLOWER CARBON EFF | LPAS CARBON EFF | MPE-14 SVE TOTAL | SVE EFFLEUNT | SVE TOTAL MPE 1A |
|-------------------|--|---------------------------|-----------------|---------------------|-----------------|---------------------|
| Lab Sample ID: | | F84257-7 | F84257-6 | F84257-8 | F84257-4 | F84257-5 |
| Date Sampled: | | 7/13/2011 | 7/15/2011 | 7/13/2011 | 7/14/2011 | 7/14/2011 |
| Matrix: | | Air | Air | Air | Air | Air |

GC/MS Volatiles (TO-15)

| | | | | | | |
|--------------------------|------|--------|--------|--------|--------|--------|
| cis-1,2-Dichloroethylene | ppbv | 0.45 U | 0.15 U | 0.15 U | 0.15 U | 0.15 U |
| Tetrahydrofuran | ppbv | 402 | 0.19 U | 1.4 | 31.3 | 82.8 |
| Trichloroethylene | ppbv | 428 | 0.13 U | 0.13 U | 148 | 539 |
| Vinyl chloride | ppbv | 0.38 U | 0.13 U | 0.13 U | 0.13 U | 0.13 U |

GC/MS Volatiles (TO-15) - ug/m3

| | | | | | | |
|--------------------------|-------|--------|--------|--------|--------|--------|
| cis-1,2-Dichloroethylene | ug/m3 | 1.8 U | 0.59 U | 0.59 U | 0.59 U | 0.59 U |
| Tetrahydrofuran | ug/m3 | 1190 | 0.56 U | 4.1 | 92.3 | 244 |
| Trichloroethylene | ug/m3 | 2300 | 0.70 U | 0.70 U | 795 | 2900 |
| Vinyl chloride | ug/m3 | 0.97 U | 0.33 U | 0.33 U | 0.33 U | 0.33 U |

| Client Sample ID: | | HOLDING TANK | MPE-1A | MPE-1A | MPE-1B | MPE-1B |
|-------------------|--|--------------|--------------|-------------------------|--------------|-------------------------|
| Lab Sample ID: | | F84257-3 | F84257-1 | F84257-1F | F84257-2 | F84257-2F |
| Date Sampled: | | 7/14/2011 | 7/14/2011 | 7/14/2011 | 7/14/2011 | 7/14/2011 |
| Matrix: | | Ground Water | Ground Water | Groundwater Filtered | Ground Water | Groundwater Filtered |

GC/MS Volatiles (SW846 8260B)

| | | | | | | |
|-----------------------------|------|--------|--------|---|-------|---|
| 1,2-Dibromo-3-chloropropane | ug/l | 0.50 U | 0.50 U | - | 5.0 U | - |
| cis-1,2-Dichloroethylene | ug/l | 0.26 U | 0.26 U | - | 20.7 | - |
| Tetrahydrofuran | ug/l | 2.7 I | 14 | - | 20 U | - |
| Trichloroethylene | ug/l | 0.26 U | 3 | - | 518 | - |
| Vinyl chloride | ug/l | 0.22 U | 0.22 U | - | 2.2 U | - |

Metals Analysis

| | | | | | | |
|-----------|------|---------|---------|------|---------|-------|
| Arsenic | ug/l | 5.8 I | 2.0 U | - | 2.0 U | - |
| Barium | ug/l | 24.5 I | 8.9 I | - | 8.6 I | - |
| Cadmium | ug/l | 1.0 U | 1.0 U | - | 2.2 I | - |
| Calcium | ug/l | - | 11100 | - | 35200 | - |
| Chromium | ug/l | 1.7 I | 3.3 I | - | 1.0 U | - |
| Iron | ug/l | - | 35 U | 35 U | 164 I | 121 I |
| Lead | ug/l | 1.0 U | 1.0 U | - | 1.0 U | - |
| Magnesium | ug/l | - | 1320 I | - | 1350 I | - |
| Manganese | ug/l | - | 6.5 I | - | 8.8 I | - |
| Mercury | ug/l | 0.050 U | 0.063 I | - | 0.050 U | - |
| Selenium | ug/l | 3.2 I | 3.0 I | - | 5.4 I | - |
| Silver | ug/l | 1.0 U | 1.0 U | - | 1.0 U | - |
| Sodium | ug/l | - | 9560 I | - | 11300 | - |

General Chemistry

| | | | | | | |
|----------------------------|------|---|---------|---|---------|---|
| Alkalinity, Total as CaCO3 | mg/l | - | 12.5 | - | 101 | - |
| Chloride | mg/l | - | 17.1 | - | 13.2 | - |
| Hydrogen Sulfide | mg/l | - | 0.54 I | - | 0.50 U | - |
| Nitrogen, Nitrate | mg/l | - | 1.2 | - | 0.090 I | - |
| Nitrogen, Nitrite | mg/l | - | 0.050 U | - | 0.050 U | - |
| Solids, Total Dissolved | mg/l | - | 90.0 I | - | 131 | - |
| Solids, Total Suspended | mg/l | - | 4.0 I | - | 10 | - |
| Total Organic Carbon | mg/l | - | 1.3 | - | 1.5 | - |