

## **APPENDIX B**

## A - E Daily Quality Control Summary Report (DQCSR)

Date: June 18, 2007

Week ending: June 22, 2007

USACE Project Manager: [REDACTED]

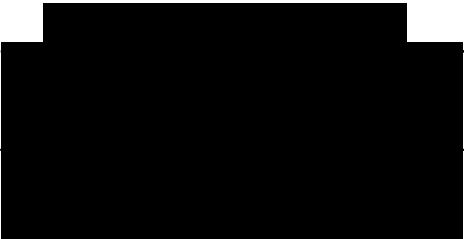
Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

WEATHER	BRIGHT SUN ✓	CLEAR	OVERCAST	RAIN	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70	70 – 85 ✓	85 UP
WIND	STILL	MODERATE ✓	HIGH	Report No. 001	
HUMIDITY	DRY	MODERATE ✓	HUMID		

[illegible]

DATE: June 18, 2007WEEK ENDING: June 22, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office)
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office)
Initial on-site safety training (logs on file in field office)
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
None
<b>SPECIAL NOTES:</b>
None
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY TITLE Site Supervisor

## A - E Daily Quality Control Summary Report (DQCSR)

Date: June 19, 2007

Week ending: June 22, 2007

USACE Project Manager: [REDACTED]

Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

WEATHER	BRIGHT SUN	CLEAR	OVERCAST	RAIN ✓	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70	70 – 85 ✓	85 UP
WIND	STILL	MODERATE	HIGH ✓	Report No. 002	
HUMIDITY	DRY	MODERATE ✓	HUMID		

**PERSONNEL & SUBCONTRACTORS ON SITE:**

Earth Tech –

URS – [REDACTED]

USACE – [REDACTED]

**EQUIPMENT ON SITE:**

Skid steer with mower attachment (United Rentals)

Generator (United Rental)

**WORK PERFORMED (INCLUDING SAMPLING):**

Brush clearing

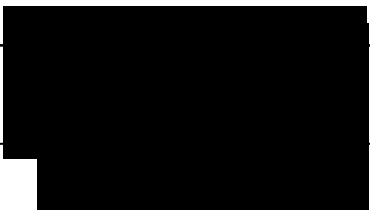
## Wooden shelf construction

Civil Surveying

## Mobilization

DATE: June 19, 2007WEEK ENDING: June 22, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office)
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office)
Initial on-site safety training (logs on file in field office)
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
None
<b>SPECIAL NOTES:</b>
On-site project meeting.
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: June 20, 2007

Week ending: June 22, 2007

USACE Project Manager: [REDACTED]

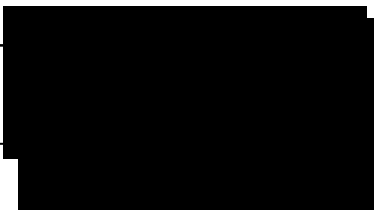
Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

WEATHER	BRIGHT SUN	CLEAR	OVERCAST ✓	RAIN	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70	70 – 85 ✓	85 UP
WIND	STILL	MODERATE ✓	HIGH	Report No. 003	
HUMIDITY	DRY	MODERATE ✓	HUMID		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>
Earth Tech – [REDACTED]
URS – [REDACTED]
<b>EQUIPMENT ON SITE:</b>
Skid steer with mower attachment (United Rentals)
Generator (United Rental)
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>
Brush clearing
Wooden shelf construction
Civil Surveying
Establishment of building survey grids
Mobilization

DATE: June 20, 2007WEEK ENDING: June 22, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office)
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office)
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
None
<b>SPECIAL NOTES:</b>
None
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: June 21, 2007

Week ending: June 22, 2007

USACE Project Manager: [REDACTED]

Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

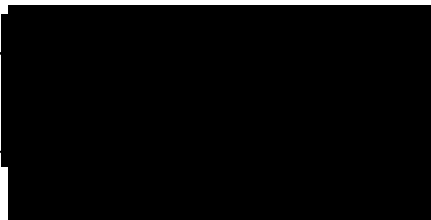
WEATHER	BRIGHT SUN	CLEAR	OVERCAST ✓	RAIN	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70	70 – 85 ✓	85 UP
WIND	STILL	MODERATE ✓	HIGH	Report No. 004	
HUMIDITY	DRY	MODERATE ✓	HUMID		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>
Earth Tech – [REDACTED]
URS – [REDACTED]
<b>EQUIPMENT ON SITE:</b>
Generator (United Rental)
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>
Asbestos-containing survey
Wooden shelf construction
Civil Surveying
Establishment of building survey grids
Mobilization



DATE: June 21, 2007WEEK ENDING: June 22, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office)
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office)
Initial on-site safety training (logs on file in field office)
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
None
<b>SPECIAL NOTES:</b>
None
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: June 22, 2007

Week ending: June 22, 2007

USACE Project Manager: [REDACTED]

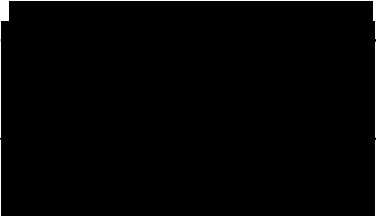
Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

WEATHER	BRIGHT SUN ✓	CLEAR	OVERCAST	RAIN	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70	70 – 85 ✓	85 UP
WIND	STILL	MODERATE ✓	HIGH	Report No. 005	
HUMIDITY	DRY	MODERATE ✓	HUMID		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>
Earth Tech – [REDACTED]
URS – [REDACTED]
[REDACTED]
<b>EQUIPMENT ON SITE:</b>
Generator (United Rental)
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>
Asbestos-containing survey
Wooden shelf construction
Civil Surveying
Establishment of building survey grids
Mobilization

DATE: June 22, 2007WEEK ENDING: June 22, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office)
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office)
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
None
<b>SPECIAL NOTES:</b>
None
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY TITLE Site Supervisor

## A - E Daily Quality Control Summary Report (DQCSR)

Date: June 25, 2007

Week ending: June 29, 2007

USACE Project Manager: [REDACTED]

Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

WEATHER	BRIGHT SUN ✓	CLEAR	OVERCAST	RAIN	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70	70 – 85 ✓	85 UP
WIND	STILL	MODERATE ✓	HIGH	Report No. 006	
HUMIDITY	DRY	MODERATE ✓	HUMID		

**PERSONNEL & SUBCONTRACTORS ON SITE:**

Earth Tech –

URS – [REDACTED]

**EQUIPMENT ON SITE:**

Generator (United Rental)

JLG-60' articulated boom (Hertz)

Hydro ax (subcontractor Eastwood)

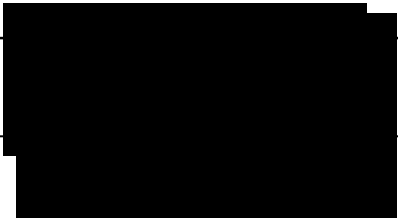
**WORK PERFORMED (INCLUDING SAMPLING):**

## Wooden shelf construction

## Mobilization

DATE: June 25, 2007WEEK ENDING: June 29, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office)
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office)
Perform initial on-site safety training (logs on field office)
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
Allvac informed Earth Tech of security and house-keeping issues observed on June 25, 2007.
Earth Tech immediately corrected house-keeping issues (picked up litter) and security issues (verify Bldg 48 door/gate is locked).
<b>SPECIAL NOTES:</b>
None
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY TITLE Site Supervisor

## A - E Daily Quality Control Summary Report (DQCSR)

Date: June 26, 2007

Week ending: June 29, 2007

USACE Project Manager: [REDACTED]

Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

WEATHER	BRIGHT SUN ✓	CLEAR	OVERCAST	RAIN	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70	70 – 85	85 UP ✓
WIND	STILL	MODERATE ✓	HIGH	Report No. 007	
HUMIDITY	DRY	MODERATE ✓	HUMID		

**PERSONNEL & SUBCONTRACTORS ON SITE:**

Earth Tech –

URS –

**EQUIPMENT ON SITE:**

Hydro Ax (Subcontractor Eastwood)

JLG-60' articulated boom (Hertz)

**WORK PERFORMED (INCLUDING SAMPLING):**

## Wooden shelf construction

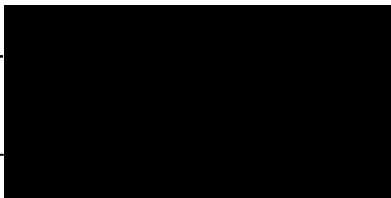
Civil Surveying

Brush clearing

## Mobilization

DATE: June 26, 2007WEEK ENDING: June 29, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office)
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office)
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
None
<b>SPECIAL NOTES:</b>
None
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY TITLE Site Supervisor

## A - E Daily Quality Control Summary Report (DQCSR)

Date: June 27, 2007

Week ending: June 29, 2007

USACE Project Manager: [REDACTED]

Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

WEATHER	BRIGHT SUN	CLEAR ✓	OVERCAST	RAIN	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70	70 – 85	85 UP ✓
WIND	STILL	MODERATE ✓	HIGH	Report No. 008	
HUMIDITY	DRY	MODERATE ✓	HUMID		

**PERSONNEL & SUBCONTRACTORS ON SITE:**

Earth Tech –

URS – [REDACTED]

\_\_\_\_\_

USACE –

**EQUIPMENT ON SITE:**

Hydro Ax (Subcontractor Eastwood)

JLG-60' articulated boom (Hertz)

**WORK PERFORMED (INCLUDING SAMPLING):**

## Wooden shelf construction

## Mobilization

## Brush clearing

---

---

---

---

---

---


---

---



DATE: June 27, 2007WEEK ENDING: June 29, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office)
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office)
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
None
<b>SPECIAL NOTES:</b>
None
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY TITLE Site Supervisor

## A - E Daily Quality Control Summary Report (DQCSR)

Date: June 28, 2007

Week ending: June 29, 2007

USACE Project Manager: [REDACTED]

Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

WEATHER	BRIGHT SUN	CLEAR	OVERCAST	RAIN ✓	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70	70 – 85 ✓	85 UP
WIND	STILL	MODERATE ✓	HIGH	Report No. 009	
HUMIDITY	DRY	MODERATE ✓	HUMID		

**PERSONNEL & SUBCONTRACTORS ON SITE:**

Earth Tech –

URS – [REDACTED]

Eastwood -

**EQUIPMENT ON SITE:**

Hydro Ax (Subcontractor Eastwood)

JLG-60' articulated boom (Hertz)

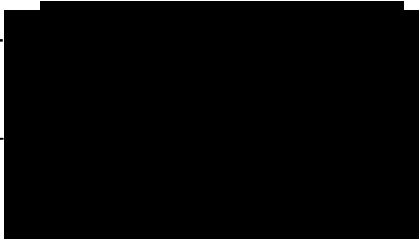
**WORK PERFORMED (INCLUDING SAMPLING):**

Brush clearing

## Mobilization

DATE: June 28, 2007WEEK ENDING: June 28, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office)
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office)
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
None
<b>SPECIAL NOTES:</b>
None
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY TITLE Site Supervisor

## A - E Daily Quality Control Summary Report (DQCSR)

Date: June 29, 2007

Week ending: June 29, 2007

USACE Project Manager: [REDACTED]

Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

WEATHER	BRIGHT SUN	CLEAR ✓	OVERCAST	RAIN	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70	70 – 85 ✓	85 UP
WIND	STILL	MODERATE ✓	HIGH	Report No. 010	
HUMIDITY	DRY	MODERATE ✓	HUMID		

**PERSONNEL & SUBCONTRACTORS ON SITE:**

Earth Tech –

URS – [REDACTED]

Eastwood -

**EQUIPMENT ON SITE:**

Hydro Ax (Subcontractor Eastwood)

JLG-60' articulated boom (Hertz)

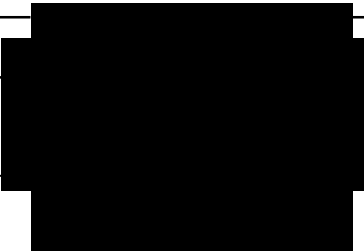
**WORK PERFORMED (INCLUDING SAMPLING):**

Brush clearing

## Mobilization

DATE: June 29, 2007WEEK ENDING: June 29, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office)
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office)
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
None
<b>SPECIAL NOTES:</b>
None
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: July 5, 2007

Week ending: July 6, 2007

USACE Project Manager: [REDACTED]


Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

WEATHER	BRIGHT SUN	CLEAR	OVERCAST	RAIN ✓	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70	70– 85 ✓	85 UP
WIND	STILL	MODERATE ✓	HIGH	Report No. 011	
HUMIDITY	DRY	MODERATE ✓	HUMID		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>
Earth Tech – [REDACTED]
URS – [REDACTED]
<b>EQUIPMENT ON SITE:</b>
JLG-60' articulated boom (Hertz)
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>
Civil surveying
Brush clearing
Mobilization

DATE: July 5, 2007WEEK ENDING: July 6, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office)
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office)
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
None
<b>SPECIAL NOTES:</b>
No work performed on July 2, 3, and 4, 2007.
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: July 6, 2007

Week ending: July 6, 2007

USACE Project Manager: [REDACTED]

Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

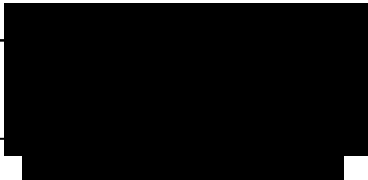
WEATHER	BRIGHT SUN ✓	CLEAR	OVERCAST	RAIN	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70	70 – 85 ✓	85 UP
WIND	STILL	MODERATE ✓	HIGH	Report No. 012	
HUMIDITY	DRY	MODERATE ✓	HUMID		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>
Earth Tech – [REDACTED]
URS – [REDACTED]
<b>EQUIPMENT ON SITE:</b>
JLG-60' articulated boom (Hertz)
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>
Civil surveying
Brush clearing
Mobilization



DATE: July 6, 2007WEEK ENDING: July 6, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office)
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office)
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
None
<b>SPECIAL NOTES:</b>
None
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: July 9, 2007

Week ending: July 13, 2007

USACE Project Manager: [REDACTED]


Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

WEATHER	BRIGHT SUN	CLEAR	OVERCAST	RAIN ✓	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70	70 – 85 ✓	85 UP
WIND	STILL	MODERATE ✓	HIGH	Report No. 013	
HUMIDITY	DRY	MODERATE ✓	HUMID		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>
Earth Tech – [REDACTED]
SJB – [REDACTED]
<b>EQUIPMENT ON SITE:</b>
JLG-60' articulated boom (Hertz)
Drill rig – CME-75 (subcontractor SJB)
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>
Decontamination pad construction
Brush clearing
Mobilization

DATE: July 9, 2007WEEK ENDING: July 13, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office)
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office)
Initial on-site safety training (logs on file in field office)
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
None
<b>SPECIAL NOTES:</b>
None
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: July 10, 2007

Week ending: July 13, 2007

USACE Project Manager: [REDACTED]

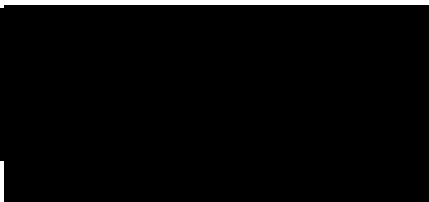
Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

WEATHER	BRIGHT SUN	CLEAR ✓	OVERCAST	RAIN	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70	70 – 85	85 UP ✓
WIND	STILL	MODERATE ✓	HIGH	Report No. 014	
HUMIDITY	DRY	MODERATE ✓	HUMID		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>
Earth Tech – [REDACTED]
SJB – [REDACTED]
USACE – [REDACTED]
<b>EQUIPMENT ON SITE:</b>
JLG-60' articulated boom (Hertz)
Drill rig – CME-75 (subcontractor SJB)
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>
Well installation (overburden casings installed at MW-604D, MW-605D, MW-606D, MW-607D)
Brush clearing
Mobilization

DATE: July 10, 2007WEEK ENDING: July 13, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office)
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office)
Initial on-site safety training (logs on file in field office)
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
None
<b>SPECIAL NOTES:</b>
None
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: July 11, 2007

Week ending: July 13, 2007

USACE Project Manager: [REDACTED]

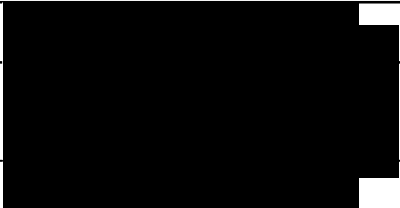
Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

WEATHER	BRIGHT SUN	CLEAR	OVERCAST	RAIN ✓	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70	70 – 85 ✓	85 UP
WIND	STILL	MODERATE ✓	HIGH	Report No. 015	
HUMIDITY	DRY	MODERATE ✓	HUMID		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>
Earth Tech – [REDACTED]
SJB – [REDACTED]
USACE – [REDACTED]
<b>EQUIPMENT ON SITE:</b>
JLG-60' articulated boom (Hertz)
Drill rig – CME-75 (subcontractor SJB)
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>
Well installation (overburden casings installed at MW-602D, MW-603D)
Brush clearing
Mobilization
Asbestos monitoring in Excised Area buildings

DATE: July 11, 2007WEEK ENDING: July 13, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office)
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office)
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
None
<b>SPECIAL NOTES:</b>
None
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: July 12, 2007

Week ending: July 13, 2007

USACE Project Manager: [REDACTED]

Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

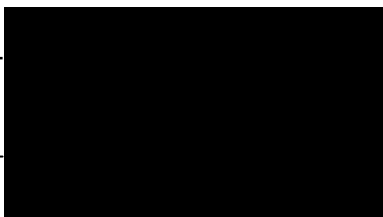
WEATHER	BRIGHT SUN	CLEAR	OVERCAST	RAIN ✓	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70	70 – 85 ✓	85 UP
WIND	STILL	MODERATE ✓	HIGH	Report No. 016	
HUMIDITY	DRY	MODERATE ✓	HUMID		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>
Earth Tech – [REDACTED]
[REDACTED]
SJB – [REDACTED]
USACE – [REDACTED]
Eastwood – [REDACTED]
<b>EQUIPMENT ON SITE:</b>
JLG-60' articulated boom (Hertz)
Drill rig – CME-75 (subcontractor SJB)
Hydro ax (subcontractor Eastwood)
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>
Well installation (bedrock cored at MW-604D; 2" PVC well installed at MW-604D; overburden casing installed at MW-600D)
Brush clearing
Mobilization
Establishment of building survey grids with asbestos monitoring



DATE: July 12, 2007WEEK ENDING: July 13, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office)
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office)
Initial on-site safety training (logs on file in field office)
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
None
<b>SPECIAL NOTES:</b>
None
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY TITLE Site Supervisor

## A - E Daily Quality Control Summary Report (DQCSR)

Date: July 13, 2007Week ending: July 13, 2007

USACE Project Manager: Ray Pilon

Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

WEATHER	BRIGHT SUN	CLEAR	OVERCAST	RAIN ✓	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70	70 – 85 ✓	85 UP
WIND	STILL	MODERATE ✓	HIGH	Report No. 017	
HUMIDITY	DRY	MODERATE ✓	HUMID		

**PERSONNEL & SUBCONTRACTORS ON SITE:**

Earth Tech –

SJB –

USACE – [REDACTED]

Eastwood –

**EQUIPMENT ON SITE:**

JLG-60' articulated boom (Hertz)

Drill rig – CME-75 (subcontractor SJB)

---

Hydro ax (subcontractor Eastwood)**WORK PERFORMED (INCLUDING SAMPLING):**

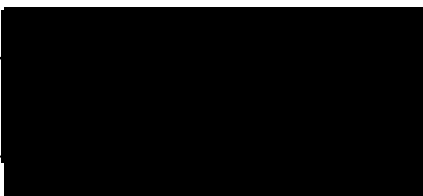
Well installation (concrete pad and pro casing installed at MM-604D; started installation of MW-600S)

Brush clearing

## Mobilization

DATE: July 13, 2007WEEK ENDING: July 13, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office)
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office)
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
None
<b>SPECIAL NOTES:</b>
None
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY TITLE Site Supervisor

## A - E Daily Quality Control Summary Report (DQCSR)

Date: July 16, 2007

Week ending: July 20, 2007

USACE Project Manager: [REDACTED]

Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

WEATHER	BRIGHT SUN	CLEAR	OVERCAST	RAIN ✓	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70	70 – 85 ✓	85 UP
WIND	STILL	MODERATE ✓	HIGH	Report No. 018	
HUMIDITY	DRY	MODERATE ✓	HUMID		

**PERSONNEL & SUBCONTRACTORS ON SITE:**

Earth Tech –

SJB –

USACE –

ARS –

**EQUIPMENT ON SITE:**

JLG-60' articulated boom (Hertz)

Drill rig – CME-75 (subcontractor SJB)

**WORK PERFORMED (INCLUDING SAMPLING):**

Well installation (start coring MW-600D, overburden casing came loose, re-grouted; grout and install pro casing at MW-600S)

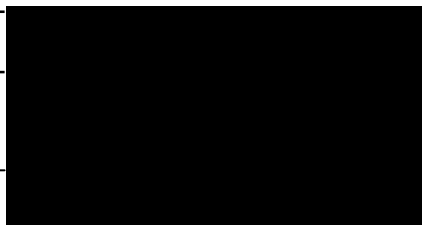
Gamma walkover survey

## ARS field laboratory mobilization

DATE: July 16, 2007WEEK ENDING: July 20, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office)
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office)
Initial on-site safety training (logs on file in field office)
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
MW-600D overburden casing came loose during drilling. Drillers re-grouted casing at MW-600D and re-grouted all other locations except MW-604D as a preventative measure (note MW-604D already competed).
<b>SPECIAL NOTES:</b>
None
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY \_\_\_\_\_

TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: July 17, 2007

Week ending: July 20, 2007

USACE Project Manager: [REDACTED]

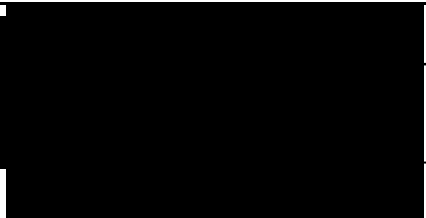
Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

WEATHER	BRIGHT SUN	CLEAR	OVERCAST	RAIN ✓	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70	70 – 85 ✓	85 UP
WIND	STILL	MODERATE ✓	HIGH	Report No. 019	
HUMIDITY	DRY	MODERATE ✓	HUMID		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>
Earth Tech – [REDACTED]
SJB – [REDACTED]
USACE – [REDACTED]
ARS – [REDACTED]
<b>EQUIPMENT ON SITE:</b>
JLG-60' articulated boom (Hertz)
Drill rig – CME-75 (subcontractor SJB)
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>
Well installation (bedrock cored and 2" PVC wells installed at MW-605D, MW-606D; concrete pad and pro casing installed at MW-605D)
Gamma walkover survey
ARS field laboratory mobilization
Well inspection

DATE: July 17, 2007WEEK ENDING: July 20, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office)
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office)
Initial on-site safety training (logs on file in field office)
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
None
<b>SPECIAL NOTES:</b>
None
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: July 18, 2007

Week ending: July 20, 2007

USACE Project Manager: [REDACTED]

Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003


WEATHER	BRIGHT SUN	CLEAR	OVERCAST ✓	RAIN	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70	70 – 85 ✓	85 UP
WIND	STILL	MODERATE ✓	HIGH	Report No. 020	
HUMIDITY	DRY	MODERATE ✓	HUMID		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>
Earth Tech – [REDACTED]
SJB – [REDACTED]
USACE – [REDACTED]
ARS – [REDACTED]
<b>EQUIPMENT ON SITE:</b>
JLG-60' articulated boom (Hertz)
Drill rig – CME-75 (subcontractor SJB)
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>
Well installation (bedrock cored and 2" PVC wells installed at MW-607D, MW-601D)
Gamma walkover survey (completed background survey)
ARS field laboratory mobilization
Well inspection



DATE: July 18, 2007WEEK ENDING: July 20, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office)
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office)
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
None
<b>SPECIAL NOTES:</b>
None
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: July 19, 2007

Week ending: July 20, 2007

USACE Project Manager: [REDACTED]

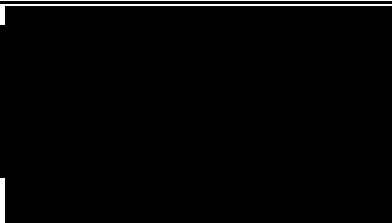
Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

WEATHER	BRIGHT SUN	CLEAR	OVERCAST ✓	RAIN	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70	70 – 85 ✓	85 UP
WIND	STILL	MODERATE ✓	HIGH	Report No. 021	
HUMIDITY	DRY	MODERATE	HUMID ✓		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>
Earth Tech – [REDACTED]
SJB – [REDACTED]
USACE – [REDACTED]
ARS – [REDACTED]
URS – [REDACTED]
<b>EQUIPMENT ON SITE:</b>
JLG-60' articulated boom (Hertz)
Drill rig – CME-75 (subcontractor SJB)
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>
Well installation (bedrock cored at MW-602D, MW-603D)
Gamma walkover survey (completed background survey)
ARS field laboratory mobilization
Well development
Survey boring locations

DATE: July 19, 2007WEEK ENDING: July 20, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office)
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office)
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
None
<b>SPECIAL NOTES:</b>
None
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: July 20, 2007

Week ending: July 20, 2007

USACE Project Manager: [REDACTED]

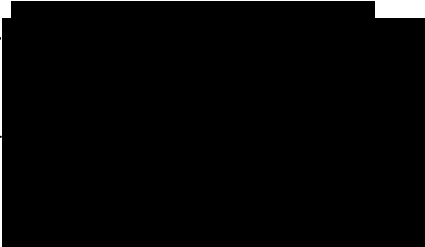
Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

WEATHER	BRIGHT SUN	CLEAR	OVERCAST ✓	RAIN	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70	70 – 85 ✓	85 UP
WIND	STILL	MODERATE ✓	HIGH	Report No. 022	
HUMIDITY	DRY	MODERATE	HUMID ✓		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>
Earth Tech – [REDACTED]
SJB – [REDACTED]
USACE – [REDACTED]
ARS – [REDACTED]
URS – [REDACTED]
<b>EQUIPMENT ON SITE:</b>
JLG-60' articulated boom (Hertz)
Drill rig – CME-75 (subcontractor SJB)
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>
Well installation (completed protective casing and pads at MW-601D and MW-606D)
Gamma walkover survey
ARS field laboratory mobilization
Well development
Survey boring locations

DATE: July 20, 2007WEEK ENDING: July 20, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office)
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office)
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
None
<b>SPECIAL NOTES:</b>
Off site at 11:00hrs as requested by Allvac (company picnic)
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: Monday July 23, 2007

Week ending: July 27, 2007

USACE Project Manager: [REDACTED]

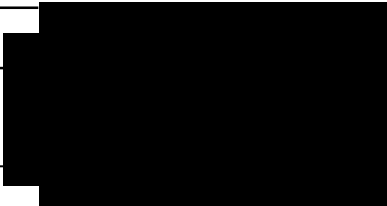
Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

WEATHER	BRIGHT SUN	CLEAR	OVERCAST ✓	RAIN	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70	70 – 85 ✓	85 UP
WIND	STILL	MODERATE ✓	HIGH	Report No. 023	
HUMIDITY	DRY	MODERATE ✓	HUMID		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>
Earth Tech – [REDACTED]
[REDACTED]
SJB – [REDACTED]
USACE – [REDACTED]
ARS – [REDACTED]
<b>EQUIPMENT ON SITE:</b>
JLG-60' articulated boom (Hertz)
Drill rig – CME-75 (subcontractor SJB)
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>
Well installation (completed all protective casing)
Gamma walkover survey (IA04)
ARS field laboratory set-up

DATE: July 23, 2007WEEK ENDING: July 27, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office)
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office)
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
ARS equipment was damaged over the weekend. ARS working to re-calibrate equipment. Allvac security and Lockport, NY Police were informed (a police report was not filed). ARS keys were collected from site personnel.
<b>SPECIAL NOTES:</b>
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: Tuesday July 24, 2007

Week ending: July 27, 2007

USACE Project Manager: [REDACTED]

Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

WEATHER	BRIGHT SUN	CLEAR	OVERCAST ✓	RAIN	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70	70 – 85 ✓	85 UP
WIND	STILL	MODERATE ✓	HIGH	Report No. 024	
HUMIDITY	DRY	MODERATE ✓	HUMID		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>
Earth Tech – [REDACTED]
SJB – [REDACTED]
USACE – [REDACTED]
ARS – [REDACTED]
<b>EQUIPMENT ON SITE:</b>
JLG-60' articulated boom (Hertz)
GeoProbe rig – truck-mounted (subcontractor SJB)
CME-75 drill rig (subcontractor SJB)
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>
Well installation (completed all concrete pads)
Gamma walkover survey (IA04)
ARS field laboratory set-up
Subsurface soil borings (1 dry-run, 4 background locations)



DATE: July 24, 2007WEEK ENDING: July 27, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office).
Daily calibrations performed on MiniRAE (logs on file in field office).
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office).
Initial on-site safety training.
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
None
<b>SPECIAL NOTES:</b>
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY \_\_\_\_\_

TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: Wednesday July 25, 2007

Week ending: July 27, 2007

USACE Project Manager: [REDACTED]


Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

WEATHER	BRIGHT SUN	CLEAR	OVERCAST ✓	RAIN	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70	70 – 85 ✓	85 UP
WIND	STILL	MODERATE ✓	HIGH	Report No. 025	
HUMIDITY	DRY	MODERATE ✓	HUMID		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>
Earth Tech – J [REDACTED]
[REDACTED]
SJB – [REDACTED]
USACE – [REDACTED]
ARS – [REDACTED]
<b>EQUIPMENT ON SITE:</b>
JLG-60' articulated boom (Hertz)
GeoProbe rig – truck-mounted (subcontractor SJB)
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>
Well development (MW-604D)
Gamma walkover survey (IA04)
ARS field laboratory set-up and sample preparation
Subsurface soil borings (completed 1 in Class 3 area)

DATE: July 25, 2007WEEK ENDING: July 27, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office).
Daily calibrations performed on MiniRAE, YSI, DRT-15CE turbidity meter (logs on file in field office).
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office).
Initial on-site safety training.
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
None
<b>SPECIAL NOTES:</b>
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: Thursday July 26, 2007

Week ending: July 27, 2007

USACE Project Manager: [REDACTED]

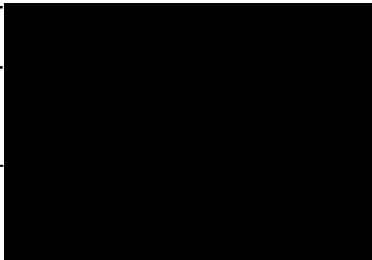
Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

WEATHER	BRIGHT SUN	CLEAR	OVERCAST ✓	RAIN	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70	70 – 85 ✓	85 UP
WIND	STILL	MODERATE ✓	HIGH	Report No. 026	
HUMIDITY	DRY	MODERATE ✓	HUMID		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>
Earth Tech [REDACTED]
SJB – [REDACTED]
USACE – [REDACTED]
ARS – [REDACTED]
MJW – [REDACTED]
<b>EQUIPMENT ON SITE:</b>
JLG-60' articulated boom (Hertz)
GeoProbe rig – truck-mounted (subcontractor SJB)
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>
Well development (completed MW-601D, MW-602D, MW-606D, MW-607D)
Gamma walkover survey (IA04)
ARS field laboratory set-up – analysis of background sampled
Subsurface soil borings (completed 10 in Class 3 area)

DATE: July 26, 2007WEEK ENDING: July 27, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office).
Daily calibrations performed on MiniRAE, YSI, DRT-15CE turbidity meter (logs on file in field office).
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office).
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
None
<b>SPECIAL NOTES:</b>
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: Friday July 27, 2007

Week ending: July 27, 2007

USACE Project Manager: [REDACTED]


Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

WEATHER	BRIGHT SUN	CLEAR	OVERCAST ✓	RAIN	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70	70 – 85 ✓	85 UP
WIND	STILL	MODERATE ✓	HIGH	Report No. 027	
HUMIDITY	DRY	MODERATE ✓	HUMID		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>
Earth Tech – [REDACTED]
SJB – [REDACTED]
USACE – [REDACTED]
ARS – [REDACTED]
URS – [REDACTED]
<b>EQUIPMENT ON SITE:</b>
JLG-60' articulated boom (Hertz)
GeoProbe rig – truck-mounted (subcontractor SJB)
Gator (Hertz)
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>
Well development (completed all new wells; MW-603D, MW-600D, MW-600S (dry))
Gamma walkover survey (IA04)
ARS field laboratory set-up – analysis of background sampled
Subsurface soil borings (completed 1 in IA04 (Class 3 area))

DATE: July 27, 2007WEEK ENDING: July 27, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office).
Daily calibrations performed on MiniRAE, YSI, DRT-15CE turbidity meter (logs on file in field office).
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office).
Performed weekly SH&E inspection
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
None
<b>SPECIAL NOTES:</b>
Weekly progress meeting
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: Monday July 30, 2007

Week ending: August 3, 2007

USACE Project Manager: [REDACTED]

Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

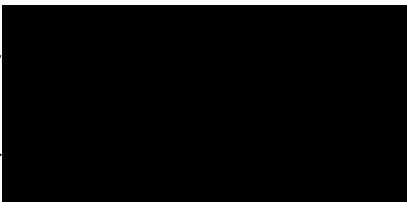
WEATHER	BRIGHT SUN	CLEAR ✓	OVERCAST	RAIN	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70	70 – 85 ✓	85 UP
WIND	STILL	MODERATE ✓	HIGH	Report No. 028	
HUMIDITY	DRY	MODERATE ✓	HUMID		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>
Earth Tech – [REDACTED]
SJB – [REDACTED]
USACE – [REDACTED]
ARS – [REDACTED]
URS – [REDACTED]
MJW – [REDACTED]
<b>EQUIPMENT ON SITE:</b>
JLG-60' articulated boom (Hertz)
GeoProbe rig – truck-mounted (subcontractor SJB)
Gator (Hertz)
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>
Groundwater sampling (prepared groundwater sampling equipment)
Gamma walkover survey (continued surveying IA04)
ARS field laboratory set-up (received core scanner training from Shaw representative)
Subsurface soil borings (completed 1 in IA04 (Class 3 area))
GeoProbe soil sampling (completed 1 location)
Surveying (surveyed background soil boring and GWS grid, and soil boring locations in IA05)



DATE: July 30, 2007WEEK ENDING: August 3, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office).
Daily calibrations performed on MiniRAE, YSI, DRT-15CE turbidity meter.
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office).
Performed weekly SH&E inspection.
Subcontractor MJW completed 2 hr Asbestos Awareness Training.
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
None
<b>SPECIAL NOTES:</b>
Shaw representative provided instrument training for core scanner.
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: Tuesday July 31, 2007

Week ending: August 3, 2007

USACE Project Manager: [REDACTED]


Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

WEATHER	BRIGHT SUN	CLEAR ✓	OVERCAST	RAIN	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70	70 – 85	85 UP ✓
WIND	STILL	MODERATE ✓	HIGH	Report No. 029	
HUMIDITY	DRY	MODERATE ✓	HUMID		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>
Earth Tech – [REDACTED]
SJB – [REDACTED]
USACE – [REDACTED]
ARS – [REDACTED]
URS – [REDACTED]
<b>EQUIPMENT ON SITE:</b>
JLG-60' articulated boom (Hertz)
GeoProbe rig – truck-mounted (subcontractor SJB)
Gator (Hertz)
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>
Groundwater sampling (complete 1 well; MW-017)
Gamma walkover survey (continued surveying IA04A)
ARS field laboratory set-up and sample preparation
Subsurface soil borings (completed 7 borings in IA04D and IA05B)
Surveying (continued surveying soil boring locations in IA04C and IA05B)

DATE: July 31, 2007WEEK ENDING: August 3, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office).
Daily calibrations performed on MiniRAE, YSI, DRT-15CE turbidity meter.
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office).
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
None
<b>SPECIAL NOTES:</b>
Implemented the initial phase of CCQC program per FSP for groundwater sampling activity.
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: Wednesday August 1, 2007

Week ending: August 3, 2007

USACE Project Manager: [REDACTED]


Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

WEATHER	BRIGHT SUN	CLEAR ✓	OVERCAST	RAIN	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70	70 – 85	85 UP ✓
WIND	STILL	MODERATE ✓	HIGH	Report No. 030	
HUMIDITY	DRY	MODERATE ✓	HUMID		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>
Earth Tech – [REDACTED]
SJB – [REDACTED]
USACE – [REDACTED]
ARS – [REDACTED]
URS – [REDACTED]
MJW – [REDACTED]
<b>EQUIPMENT ON SITE:</b>
JLG-60' articulated boom (Hertz)
GeoProbe rig – truck-mounted (subcontractor SJB)
Gator (Hertz)
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>
Groundwater sampling (complete 3 wells; MW-014, MW-016, MW-020)
Gamma walkover survey (continued surveying IA04A)
ARS field laboratory set-up and sample preparation
Subsurface soil borings (completed 3 borings in IA05B)
Surveying (continued surveying soil boring locations in IA04C and IA05B)

DATE: August 1, 2007WEEK ENDING: August 3, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office).
Daily calibrations performed on MiniRAE, YSI, DRT-15CE turbidity meter.
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office).
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
Monitoring well MW-607D was installed in the wrong location. The well will be scheduled to be reinstalled.
<b>SPECIAL NOTES:</b>
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: Thursday August 2, 2007

Week ending: August 3, 2007

USACE Project Manager: [REDACTED]


Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

WEATHER	BRIGHT SUN	CLEAR ✓	OVERCAST	RAIN	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70	70 – 85	85 UP ✓
WIND	STILL	MODERATE ✓	HIGH	Report No. 031	
HUMIDITY	DRY	MODERATE ✓	HUMID		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>
Earth Tech – [REDACTED]
SJB – [REDACTED]
USACE – [REDACTED]
ARS – [REDACTED]
URS – [REDACTED]
MJW – [REDACTED]
<b>EQUIPMENT ON SITE:</b>
JLG-60' articulated boom (Hertz)
GeoProbe rig – truck-mounted (subcontractor SJB)
Gator (Hertz)
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>
Groundwater sampling (sampled 2 wells; MW-06, MW-01)
Gamma walkover survey (continued surveying IA04A)
ARS field laboratory set-up and sample preparation
Subsurface soil borings (completed 6 borings in IA05B (background location))
Surveying (continued surveying soil boring locations in IA04B and IA04C)

DATE: August 2, 2007WEEK ENDING: August 3, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office).
Daily calibrations performed on MiniRAE, YSI, DRT-15CE turbidity meter.
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office).
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
<b>SPECIAL NOTES:</b>
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: Friday August 3, 2007

Week ending: August 3, 2007

USACE Project Manager: [REDACTED]

Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

WEATHER	BRIGHT SUN	CLEAR ✓	OVERCAST	RAIN	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70	70 – 85	85 UP ✓
WIND	STILL	MODERATE ✓	HIGH	Report No. 032	
HUMIDITY	DRY	MODERATE ✓	HUMID		

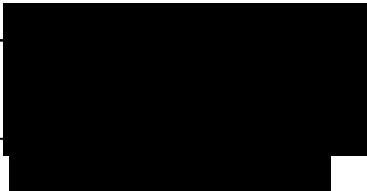
<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>
Earth Tech – [REDACTED]
SJB – [REDACTED]
USACE – [REDACTED]
ARS – [REDACTED]
URS – [REDACTED]
MJW – [REDACTED]
<b>EQUIPMENT ON SITE:</b>
JLG-60' articulated boom (Hertz)
GeoProbe rig – truck-mounted (subcontractor SJB)
Gator (Hertz)
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>
Site secured by ATI Allvac.



DATE: August 3, 2007

WEEK ENDING: August 3, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
<b>HEALTH AND SAFETY ACTIVITIES:</b>
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
<b>SPECIAL NOTES:</b>
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY 

TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: Monday August 6, 2007

Week ending: August 10, 2007

USACE Project Manager: [REDACTED]

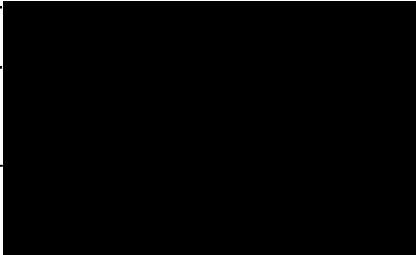
Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

WEATHER	BRIGHT SUN	CLEAR	OVERCAST ✓	RAIN	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70	70 – 85	85 UP ✓
WIND	STILL	MODERATE ✓	HIGH	Report No. 033	
HUMIDITY	DRY	MODERATE	HUMID ✓		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>
Earth Tech – [REDACTED]
SJB [REDACTED]
USACE – [REDACTED]
ARS – [REDACTED]
MJW – [REDACTED]
<b>EQUIPMENT ON SITE:</b>
JLG-60' articulated boom (Hertz)
GeoProbe rig – truck-mounted (subcontractor SJB)
Gator (Hertz)
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>
Groundwater sampling (sampled 2 wells; MW-13D, MW-19)
Building gridding (continued surveying IA01 Building 9)
ARS field laboratory set-up and sample preparation
Subsurface soil borings (completed 3 borings in background area)

DATE: August 6, 2007WEEK ENDING: August 10, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office).
Daily calibrations performed on MiniRAE, YSI, DRT-15CE turbidity meter (logs on file in field office).
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office).
Performed initial on-site training.
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
<b>SPECIAL NOTES:</b>
USACE collected a split sample from MW-13D.
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: Tuesday August 7, 2007

Week ending: August 10, 2007

USACE Project Manager: [REDACTED]

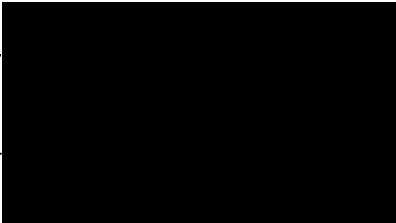
Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

WEATHER	BRIGHT SUN	CLEAR	OVERCAST ✓	RAIN	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70	70 – 85	85 UP ✓
WIND	STILL	MODERATE ✓	HIGH	Report No. 034	
HUMIDITY	DRY	MODERATE	HUMID ✓		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>	
Earth Tech –	[REDACTED]
SJB –	[REDACTED]
USACE –	[REDACTED]
ARS –	[REDACTED]
MJW –	[REDACTED]
<b>EQUIPMENT ON SITE:</b>	
JLG-60' articulated boom (Hertz)	
GeoProbe rig – truck-mounted (subcontractor SJB)	
Gator (Hertz)	
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>	
Groundwater sampling (sampled 3 wells; MW-2, MW-3, MW-09)	
Building gridding (continued surveying IA01 Building 9)	
ARS field laboratory set-up and sample preparation	
Subsurface soil borings (completed 5 borings in IA05B)	

DATE: August 7, 2007WEEK ENDING: August 10, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office).
Daily calibrations performed on MiniRAE, YSI, DRT-15CE turbidity meter (logs on file in field office).
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office).
Performed initial on-site training.
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
TSS aqueous samples from MW-06 and MW-01 (and MW-01 duplicate) arrived at STL above temperature requirement. Samples were sent on 8/3 and arrived on 8/6). STL will analyze samples.
<b>SPECIAL NOTES:</b>
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: Wednesday August 8, 2007

Week ending: August 10, 2007

USACE Project Manager: [REDACTED]

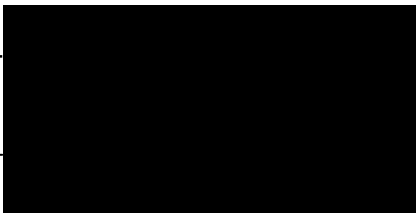
Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

WEATHER	BRIGHT SUN	CLEAR	OVERCAST ✓	RAIN	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70	70 – 85	85 UP ✓
WIND	STILL	MODERATE ✓	HIGH	Report No. 035	
HUMIDITY	DRY	MODERATE	HUMID ✓		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>
Earth Tech – [REDACTED]
SJB – [REDACTED]
USACE – [REDACTED]
ARS – [REDACTED]
MJW – [REDACTED]
<b>EQUIPMENT ON SITE:</b>
JLG-60' articulated boom (Hertz)
GeoProbe rig – truck-mounted (subcontractor SJB)
Gator (Hertz)
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>
Groundwater sampling (sampled 3 wells; MW-22, MW-24, MW-4)
Building gridding (completed surveying IA01 Building's 9 and 4)
ARS field laboratory set-up and sample preparation
Subsurface soil borings (completed 16 borings in IA03)

DATE: August 8, 2007WEEK ENDING: August 10, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office).
Daily calibrations performed on MiniRAE, YSI, DRT-15CE turbidity meter.
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office).
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
<b>SPECIAL NOTES:</b>
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: Thursday August 9, 2007

Week ending: August 10, 2007

USACE Project Manager: [REDACTED]

Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

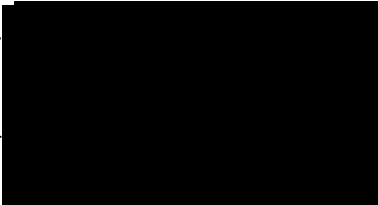
WEATHER	BRIGHT SUN	CLEAR	OVERCAST ✓	RAIN	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70	70 – 85	85 UP ✓
WIND	STILL	MODERATE ✓	HIGH	Report No. 036	
HUMIDITY	DRY	MODERATE	HUMID ✓		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>
Earth Tech – [REDACTED]
SJB – [REDACTED]
USACE – [REDACTED]
ARS – [REDACTED]
MJW – [REDACTED]
<b>EQUIPMENT ON SITE:</b>
JLG-60' articulated boom (Hertz)
GeoProbe rig – truck-mounted (subcontractor SJB)
Gator (Hertz)
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>
Groundwater sampling (sampled 2 wells; MW-5, MW-26)
Building gridding (continuing surveying IA01 Building's 3 and 1)
Continued on-site field laboratory sample preparation activities
Subsurface soil borings (completed 15 borings in IA03)



DATE: August 9, 2007WEEK ENDING: August 10, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office).
Daily calibrations performed on MiniRAE, YSI, DRT-15CE turbidity meter (logs on file in field office).
Collected USACE groundwater split samples at MW-5 and MW-26.
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office).
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
<b>SPECIAL NOTES:</b>
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: Friday August 10, 2007

Week ending: August 10, 2007

USACE Project Manager: [REDACTED]

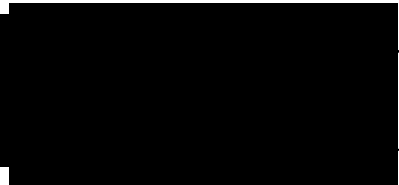
Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

WEATHER	BRIGHT SUN	CLEAR	OVERCAST ✓	RAIN	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70	70 – 85	85 UP ✓
WIND	STILL	MODERATE ✓	HIGH	Report No. 037	
HUMIDITY	DRY	MODERATE	HUMID ✓		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>
Earth Tech – [REDACTED]
[REDACTED]
SJB – [REDACTED]
USACE – [REDACTED]
ARS – [REDACTED]
MJW – [REDACTED]
<b>EQUIPMENT ON SITE:</b>
JLG-60' articulated boom (Hertz)
GeoProbe rig – truck-mounted (subcontractor SJB)
Gator (Hertz)
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>
Groundwater sampling (sampled 1 well; MW-23)
Building gridding (completed surveying IA01 Building 3, started surveying Building 1)
Continued on-site field laboratory sample preparation activities
Subsurface soil borings (completed 12 borings in IA03 and IA05B)

DATE: August 10, 2007WEEK ENDING: August 10, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office).
Daily calibrations performed on MiniRAE, YSI, DRT-15CE turbidity meter.
Collected USACE groundwater split samples at MW-23.
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office).
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
<b>SPECIAL NOTES:</b>
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: Monday August 13, 2007

Week ending: August 17, 2007

USACE Project Manager: [REDACTED]

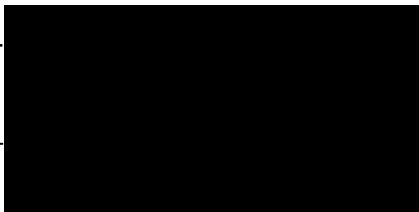
Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

WEATHER	BRIGHT SUN	CLEAR ✓	OVERCAST	RAIN	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70	70 – 85	85 UP ✓
WIND	STILL	MODERATE ✓	HIGH	Report No. 038	
HUMIDITY	DRY	MODERATE ✓	HUMID		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>
Earth Tech – [REDACTED]
SJB – [REDACTED]
USACE – [REDACTED]
ARS – [REDACTED]
MJW – [REDACTED]
[REDACTED]
URS – [REDACTED]
Geometrix – [REDACTED]
<b>EQUIPMENT ON SITE:</b>
JLG-60' articulated boom (Hertz)
GeoProbe rig – truck-mounted (subcontractor SJB)
Gator (Hertz)
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>
Groundwater sampling (sampled 2 wells; AO4BMW-605D, AO4DMW604D)
Utility Survey – Geometrix
Subsurface soil borings (completed 6 borings in IA04A)
Survey Boring locations – IAO5A
ARS cores scanned = 70

DATE: August 13, 2007WEEK ENDING: August 17, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office).
Daily calibrations performed on MiniRAE, YSI, DRT-15CE turbidity meter.
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office).
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
<b>SPECIAL NOTES:</b>
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: Tuesday August 14, 2007

Week ending: August 17, 2007

USACE Project Manager: [REDACTED]

Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

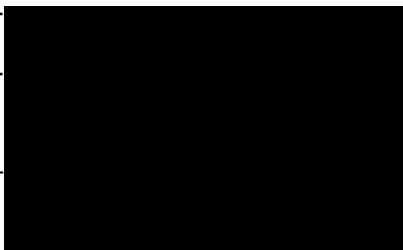
WEATHER	BRIGHT SUN	CLEAR ✓	OVERCAST	RAIN	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70	70 – 85 ✓	85 UP
WIND	STILL	MODERATE ✓	HIGH	Report No. 039	
HUMIDITY	DRY	MODERATE ✓	HUMID		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>
Earth Tech – [REDACTED]
SJB – [REDACTED]
USACE – [REDACTED]
ARS – [REDACTED]
MJW – [REDACTED]
Timmy's team – [REDACTED]
Geometrix – [REDACTED]
<b>EQUIPMENT ON SITE:</b>
JLG-60' articulated boom (Hertz)
GeoProbe rig – truck-mounted (subcontractor SJB)
Gator (Hertz)
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>
Groundwater sampling -sampled 2 wells
Utility Survey – Geometrix
Subsurface soil borings completed 18 borings in IA04A, IAO4D & IAO4C
Building survey – Bldg.#1 & Bldg.#35
ARS cores scanned = 35

DATE: August 14, 2007WEEK ENDING: August 17, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office).
Daily calibrations performed on MiniRAE, YSI, DRT-15CE turbidity meter.
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office).
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
<b>SPECIAL NOTES:</b>
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY



TITLE

Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: Wednesday August 15, 2007

Week ending: August 17, 2007

USACE Project Manager: [REDACTED]

Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003


WEATHER	BRIGHT SUN	CLEAR ✓	OVERCAST	RAIN	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70	70 – 85 ✓	85 UP
WIND	STILL	MODERATE ✓	HIGH	Report No. 039	
HUMIDITY	DRY	MODERATE ✓	HUMID		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>
Earth Tech – [REDACTED]
SJB – [REDACTED]
USACE – [REDACTED]
ARS – [REDACTED]
MJW – [REDACTED]
[REDACTED]
Geometrix – [REDACTED]
<b>EQUIPMENT ON SITE:</b>
JLG-60' articulated boom (Hertz)
GeoProbe rig – truck-mounted (subcontractor SJB)
Gator (Hertz)
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>
Groundwater sampling -sampled 4 wells
Utility Survey – Geometrix
Subsurface soil borings completed 13 borings in IAO4D & IAO4C
Building survey – Bldg.#1 & Bldg.#3
ARS Cores screened = 50



DATE: August 15 2007WEEK ENDING: August 17, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office).
Daily calibrations performed on MiniRAE, YSI, DRT-15CE turbidity meter.
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office).
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
<b>SPECIAL NOTES:</b>
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY  Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: Thursday August 16 2007

Week ending: August 17, 2007

USACE Project Manager: [REDACTED]

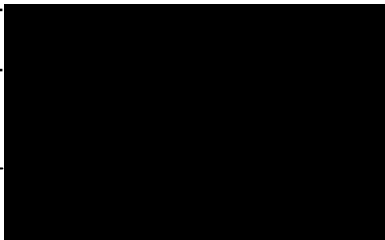
Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

WEATHER	BRIGHT SUN	CLEAR	OVERCAST	RAIN ✓	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70	70 – 85 ✓	85 UP
WIND	STILL	MODERATE ✓	HIGH	Report No. 040	
HUMIDITY	DRY	MODERATE	HUMID ✓		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>
Earth Tech – [REDACTED]
SJB – [REDACTED]
USACE – [REDACTED]
ARS – [REDACTED]
MJW – [REDACTED]
[REDACTED]
Geometrix – [REDACTED]
<b>EQUIPMENT ON SITE:</b>
JLG-60' articulated boom (Hertz)
GeoProbe rig – truck-mounted (subcontractor SJB)
2 - Gators (Hertz)
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>
Groundwater Sampling – 2 monitoring wells, 2 U.S.A.C.E. spilt samples
Utility Survey – Geometrix
Subsurface soil borings completed 17 borings in IA04B, IA04D & IA04C
Building survey – Bldg.#3, Bldg. #4, & Bldg.#9
ARS Cores screened = 28 sleeves from 26 locations

DATE: August 16 2007WEEK ENDING: August 17, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office).
Daily calibrations performed on MiniRAE, YSI, DRT-15CE turbidity meter.
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office).
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
<b>SPECIAL NOTES:</b>
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY  TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: Friday August 17, 2007

Week ending: August 17, 2007

USACE Project Manager: [REDACTED]


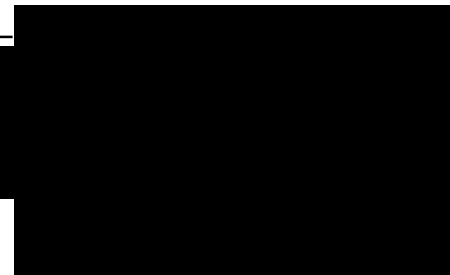
Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

WEATHER	BRIGHT SUN	CLEAR	OVERCAST	RAIN ✓	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70	70 – 85 ✓	85 UP
WIND	STILL	MODERATE ✓	HIGH	Report No. 040	
HUMIDITY	DRY	MODERATE ✓	HUMID		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>
Earth Tech – [REDACTED]
SJB – [REDACTED]
USACE – [REDACTED]
ARS – [REDACTED]
MJW – [REDACTED]
[REDACTED]
Geometrix – [REDACTED]
<b>EQUIPMENT ON SITE:</b>
JLG-60' articulated boom (Hertz)
GeoProbe rig – truck-mounted (subcontractor SJB)
2 - Gators (Hertz)
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>
Groundwater Sampling – 2 monitoring wells, 2 U.S.A.C.E. spilt samples
Utility Survey – Geometrix
Subsurface soil borings completed 17 borings in IA04B, IAO4D & IAO4C
Building survey – Bldg.#3, Bldg. #4, & Bldg.#9
ARS Cores screened = 25 sleeves from 25 locations

DATE: August 17, 2007WEEK ENDING: August 17, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office).
Daily calibrations performed on MiniRAE, YSI, DRT-15CE turbidity meter.
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office).
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
<b>SPECIAL NOTES:</b>
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY  Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: Monday August 20 2007

Week ending: August 24, 2007

USACE Project Manager: [REDACTED]

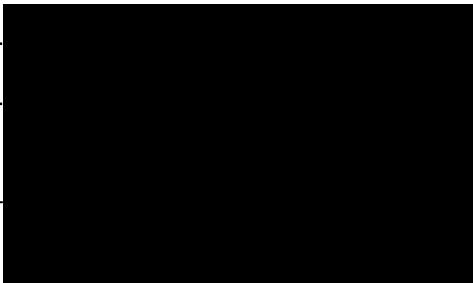
Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

WEATHER	BRIGHT SUN	CLEAR	OVERCAST	RAIN ✓	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70	70 – 85 ✓	85 UP
WIND	STILL	MODERATE ✓	HIGH	Report No. 041	
HUMIDITY	DRY	MODERATE ✓	HUMID		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>
Earth Tech – [REDACTED]
SJB – [REDACTED]
USACE – [REDACTED]
ARS – [REDACTED]
MJW – [REDACTED]
Timmy's team – [REDACTED]
Hertz – [REDACTED]
URS – [REDACTED]
<b>EQUIPMENT ON SITE:</b>
JLG-60' articulated boom (Hertz)
GeoProbe rig – truck-mounted (subcontractor SJB)
2 - Gators (Hertz)
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>
Groundwater Sampling – 2 monitoring wells, MS, MSD and field blank
Subsurface soil borings completed 21 borings, 9 refusals in IAO4A
Building survey – Bldg.#3, Bldg. #4, & Bldg.#9
ARS Cores screened = 28 sleeves from 24 locations
Hertz – Clearing and Grubbing

DATE: August 20, 2007WEEK ENDING: August 24, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office).
Daily calibrations performed on MiniRAE, YSI, DRT-15CE turbidity meter.
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office).
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
<b>SPECIAL NOTES:</b>
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY  TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: Tuesday August 21, 2007

Week ending: August 24, 2007

USACE Project Manager: [REDACTED]

Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

WEATHER	BRIGHT SUN	CLEAR	OVERCAST	RAIN ✓	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70	70 – 85 ✓	85 UP
WIND	STILL	MODERATE ✓	HIGH	Report No. 042	
HUMIDITY	DRY	MODERATE ✓	HUMID		

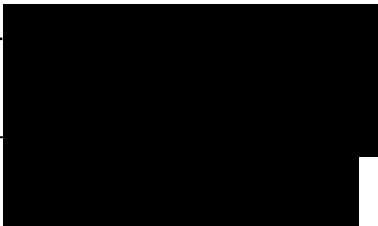
<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>	
Earth Tech –	[REDACTED]
SJB –	[REDACTED]
USACE –	[REDACTED]
ARS –	[REDACTED]
MJW –	[REDACTED]
	[REDACTED]
Hertz –	[REDACTED]
URS –	[REDACTED]
<b>EQUIPMENT ON SITE:</b>	
JLG-60' articulated boom (Hertz)	
GeoProbe rig – truck-mounted (subcontractor SJB)	
2 - Gators (Hertz)	
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>	
Subsurface soil borings completed 22 borings, 9 refusals in IAO4A	
ARS Cores screened = 7 sleeves, 7 locations; 115 samples prepped	
Hertz – Clearing and Grubbing – IAO4A & IAO5B	
URS – Surveyed IAO2A & IAO5A	
Timmy's team – radiological survey bldg # 4 & bldg # 9	



DATE: August 21, 2007

WEEK ENDING: August 24, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office).
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office).
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
<b>SPECIAL NOTES:</b>
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY 

TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: Wednesday August 22, 2007

Week ending: August 24, 2007

USACE Project Manager: [REDACTED]

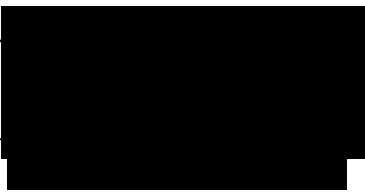
Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

WEATHER	BRIGHT SUN	CLEAR	OVERCAST	RAIN ✓	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70	70 – 85 ✓	85 UP
WIND	STILL	MODERATE ✓	HIGH	Report No. 043	
HUMIDITY	DRY	MODERATE ✓	HUMID		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>
Earth Tech – [REDACTED]
SJB – [REDACTED]
USACE – [REDACTED]
ARS – [REDACTED]
MJW – [REDACTED]
[REDACTED]
Hertz – [REDACTED]
<b>EQUIPMENT ON SITE:</b>
JLG-60' articulated boom (Hertz)
GeoProbe rig – truck-mounted (subcontractor SJB)
2 - Gators (Hertz)
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>
Subsurface soil borings completed 21 borings IAO4A, IAO4B, IAO4C & IAO4D; IAO4C & IAO4D complete
ARS Cores screened = 26 sleeves, 20 locations; 80 samples prepped
Hertz – Clearing and Grubbing – IAO4A & IAO4B
Timmy's team – radiological survey bldg # 4 & bldg # 9

DATE: August 22, 2007WEEK ENDING: August 24, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office).
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office).
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
<b>SPECIAL NOTES:</b>
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: Wednesday August 22, 2007

Week ending: August 24, 2007

USACE Project Manager: [REDACTED]

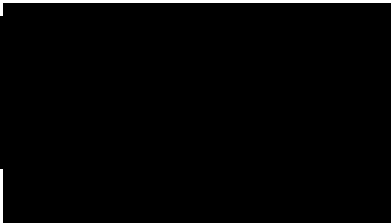
Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

WEATHER	BRIGHT SUN	CLEAR	OVERCAST	RAIN ✓	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70	70 – 85 ✓	85 UP
WIND	STILL	MODERATE ✓	HIGH	Report No. 044	
HUMIDITY	DRY	MODERATE ✓	HUMID		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>
Earth Tech – [REDACTED]
SJB – [REDACTED]
USACE – [REDACTED]
ARS – [REDACTED]
MJW – [REDACTED]
[REDACTED]
Hertz – [REDACTED]
<b>EQUIPMENT ON SITE:</b>
JLG-60' articulated boom (Hertz)
GeoProbe rig – truck-mounted (subcontractor SJB)
2 - Gators (Hertz)
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>
Subsurface soil borings completed 21 borings IAO4A, IAO4B, IAO4C & IAO4D; IAO4C & IAO4D complete
ARS Cores screened = 26 sleeves, 20 locations; 80 samples prepped
Hertz – Clearing and Grubbing – IAO4A & IAO4B
Timmy's team – radiological survey bldg # 4 & bldg # 9

DATE: August 22, 2007WEEK ENDING: August 24, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office).
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office).
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
<b>SPECIAL NOTES:</b>
(8-26-08) This report created in error. It is a duplicate of Report No. 043.
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: Thursday August 23, 2007

Week ending: August 24, 2007

USACE Project Manager: [REDACTED]

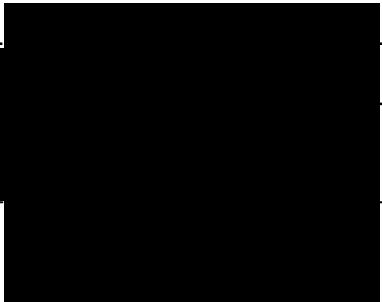
Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

WEATHER	BRIGHT SUN	CLEAR	OVERCAST	RAIN ✓	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70	70 – 85 ✓	85 UP
WIND	STILL	MODERATE ✓	HIGH	Report No. 045	
HUMIDITY	DRY	MODERATE ✓	HUMID		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>	
Earth Tech –	[REDACTED]
SJB –	[REDACTED]
USACE –	[REDACTED]
ARS –	[REDACTED]
MJW –	[REDACTED]
	[REDACTED]
Hertz –	[REDACTED]
<b>EQUIPMENT ON SITE:</b>	
JLG-60' articulated boom (Hertz)	
GeoProbe rig – truck-mounted (subcontractor SJB)	
2 - Gators (Hertz)	
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>	
Subsurface soil borings completed 21 borings - IAO4A, IAO4B	
ARS Cores screened - 24sleeves, 12 locations; 91 samples prepped	
Hertz – Clearing and Grubbing – IAO4A & IAO3	
Timmy's team – radiological survey bldg # 2	
Gamma walkover survey – IAO4A & IAO3	

DATE: August 23, 2007WEEK ENDING: August 24, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office).
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office).
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
Chemicals found in bldg. # 2. Corrective Actions: restricted access – “Do Not Enter without Safety & Health officer permission”, containers are in good shape, inventoried chemicals, photo documented, contacted regional Safety & Health Director.
<b>SPECIAL NOTES:</b>
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: Friday August 24, 2007

Week ending: August 24, 2007

USACE Project Manager: [REDACTED]

Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003


WEATHER	BRIGHT SUN	CLEAR	OVERCAST	RAIN ✓	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70	70 – 85 ✓	85 UP
WIND	STILL	MODERATE ✓	HIGH	Report No. 046	
HUMIDITY	DRY	MODERATE ✓	HUMID		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>	
Earth Tech	[REDACTED]
SJB –	[REDACTED]
USACE –	[REDACTED]
ARS –	[REDACTED]
MJW –	[REDACTED]
Timmy's team –	[REDACTED]
Hertz –	[REDACTED]
<b>EQUIPMENT ON SITE:</b>	
JLG-60' articulated boom (Hertz)	
GeoProbe rig – truck-mounted (subcontractor SJB)	
2 - Gators (Hertz)	
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>	
Subsurface soil borings completed 12 borings - IAO4A, IAO4B	
ARS Cores screened - 6 sleeves (3 locations), counted 0 swipes, and analyzed via Gamma specs 0 samples	
Hertz – Clearing and Grubbing – IAO3 & IAO4A	
Timmy's team – radiological survey bldg # 2	
Gamma walkover survey – IAO3	



DATE: August 24, 2007WEEK ENDING: August 24, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office).
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office).
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
Radiation control technician fell through metal plate covering floor trench. Health and Safety officer interviewed worker. The worker declined medical attention and the worker did not appear injured. The incident area was investigated. All radiation control technicians were immediately made aware of the incident and directed to stay away from any boards, plates etc. covering any floor openings. A copy of the near miss report will be forwarded after internal reviews are complete.
<b>SPECIAL NOTES:</b>
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: Monday August 27, 2007

Week ending: August 31, 2007

USACE Project Manager: [REDACTED]

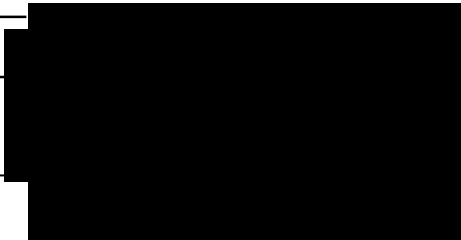
Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

WEATHER	BRIGHT SUN	CLEAR ✓	OVERCAST	RAIN	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70	70 – 85 ✓	85 UP
WIND	STILL	MODERATE ✓	HIGH	Report No. 047	
HUMIDITY	DRY	MODERATE ✓	HUMID		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>	
Earth Tech –	[REDACTED]
SJB –	[REDACTED]
USACE –	[REDACTED],
ARS –	[REDACTED]
MJW –	[REDACTED]
Timmy's team –	[REDACTED]
Hertz –	[REDACTED]
<b>EQUIPMENT ON SITE:</b>	
JLG-60' articulated boom (Hertz)	
GeoProbe rig – truck-mounted (subcontractor SJB)	
2 - Gators (Hertz)	
Hydro-Ax (Hertz)	
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>	
Subsurface soil borings completed 13 borings – IAO5A	
ARS Cores screened - 0 sleeves (0 locations, all of the available sleeves are counted), counted 300 swipes, and analyzed via Gamma specs 0 samples.	
Hertz – Clearing and Grubbing – IAO5A, IAO5B & IAO3	
Timmy's team – radiological survey bldg. # 4 / 9 & bldg. # 3	
Gamma walkover survey – IAO3 & IAO5A	

DATE: August 27, 2007WEEK ENDING: August 31, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office).
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office).
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
<b>SPECIAL NOTES:</b>
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: Tuesday August 28, 2007

Week ending: August 31, 2007

USACE Project Manager: Ray Pilon

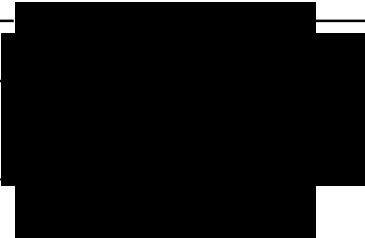
Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

WEATHER	BRIGHT SUN	CLEAR ✓	OVERCAST	RAIN	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70	70 – 85 ✓	85 UP
WIND	STILL	MODERATE ✓	HIGH	Report No. 048	
HUMIDITY	DRY	MODERATE ✓	HUMID		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>	
Earth Tech	[REDACTED]
SJB –	[REDACTED]
USACE –	[REDACTED]
ARS –	[REDACTED]
MJW –	[REDACTED]
Timmy's team –	[REDACTED]
Hertz –	[REDACTED]
<b>EQUIPMENT ON SITE:</b>	
JLG-60' articulated boom (Hertz)	
GeoProbe rig – truck-mounted (subcontractor SJB)	
2 - Gators (Hertz)	
Hydro-Ax (Hertz)	
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>	
Subsurface soil borings completed 15 borings – IAO5A completed	
ARS Cores screened - 0 sleeves (0 locations, all of the available sleeves are counted), counted 300 swipes, analyzed via Gamma specs 12 segments , recalibrated Gamma spec # 2.	
Hertz – Clearing and Grubbing – IAO5A, IAO5B & IAO3	
Timmy's team – radiological survey bldg. # 3	
Gamma walkover survey – IAO3 & IAO5A	

DATE: August 28, 2007WEEK ENDING: August 31, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office).
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office).
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
<b>SPECIAL NOTES:</b>
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: Wednesday August 29, 2007

Week ending: August 31, 2007

USACE Project Manager: [REDACTED]

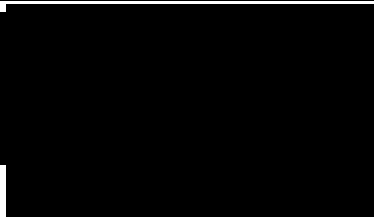
Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

WEATHER	BRIGHT SUN	CLEAR ✓	OVERCAST	RAIN	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70	70 – 85	85 UP ✓
WIND	STILL	MODERATE ✓	HIGH	Report No. 049	
HUMIDITY	DRY	MODERATE ✓	HUMID		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>
Earth Tech – [REDACTED]
USACE – [REDACTED]
ARS – [REDACTED]
MJW – [REDACTED]
Timmy's team – [REDACTED]
<b>EQUIPMENT ON SITE:</b>
JLG-60' articulated boom (Hertz)
GeoProbe rig – truck-mounted (subcontractor SJB)
2 - Gators (Hertz)
Hydro-Ax (Hertz)
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>
Subsurface soil borings located in buildings # 2, 3 & 35
ARS Cores screened - 58 sleeves (43 locations), counted 282 swipes, and analyzed via Gamma specs 85 samples.
Hertz – Clearing and Grubbing – IAO5A
Timmy's team – radiological survey bldg. # 3
Gamma walkover survey – IAO3, IAO4D & IAO5A

DATE: August 29, 2007WEEK ENDING: August 31, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office).
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office).
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
<b>SPECIAL NOTES:</b>
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: Thursday August 30, 2007

Week ending: August 31, 2007

USACE Project Manager: [REDACTED]

Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

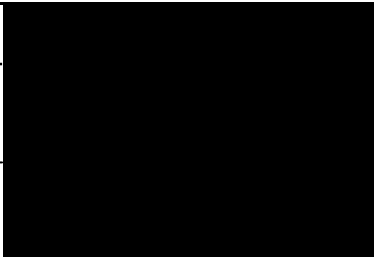
WEATHER	BRIGHT SUN	CLEAR ✓	OVERCAST	RAIN	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70	70 – 85	85 UP ✓
WIND	STILL	MODERATE ✓	HIGH	Report No. 050	
HUMIDITY	DRY	MODERATE ✓	HUMID		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>
Earth Tech – [REDACTED]
USACE – [REDACTED]
ARS – [REDACTED]
MJW – [REDACTED]
Timmy's team – [REDACTED]
<b>EQUIPMENT ON SITE:</b>
JLG-60' articulated boom (Hertz)
2 - Gators (Hertz)
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>
Subsurface soil borings located in buildings # 3, 4 & 9
ARS Cores screened - 0 sleeves (0 locations, all of the available sleeves are counted), counted 317 swipes, and analyzed via Gamma specs 61 samples, and prepped 180 samples
Timmy's team – radiological survey bldg. # 3
Gamma walkover survey – IAO4A, IAO4D & IAO5A



DATE: August 30, 2007WEEK ENDING: August 31, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>	
Daily performance checks performed on radiological equipment (logs on file in field office).	
<b>HEALTH AND SAFETY ACTIVITIES:</b>	
Tailgate safety briefing (logs on file in field office).	
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>	
<b>SPECIAL NOTES:</b>	
<b>EXPECTATIONS FOR NEXT WEEK:</b>	

BY TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: Friday August 31, 2007

Week ending: August 31, 2007

USACE Project Manager: [REDACTED]

Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

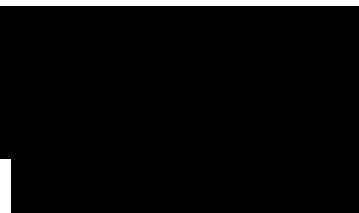
WEATHER	BRIGHT SUN	CLEAR	OVERCAST ✓	RAIN	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70	70 – 85	85 UP ✓
WIND	STILL	MODERATE ✓	HIGH	Report No. 051	
HUMIDITY	DRY	MODERATE ✓	HUMID		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>
Earth Tech – [REDACTED]
USACE – [REDACTED]
ARS [REDACTED]
MJW – [REDACTED]
Timmy's team – [REDACTED]
<b>EQUIPMENT ON SITE:</b>
JLG-60' articulated boom (Hertz)
2 - Gators (Hertz)
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>
Gamma walkover survey – IAO5A
ARS cores screened - 0 sleeves (all of the available sleeves are counted); 321 swipes counted; analyzed, via Gamma spec, 0 samples, and prepped 0 samples.
Timmy's team – radiological survey bldg. # 24

DATE: August 31, 2007WEEK ENDING: August 31, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office).
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office).
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
<b>SPECIAL NOTES:</b>
Worked half day.
<b>EXPECTATIONS FOR NEXT WEEK:</b>
ARS scheduled to prepare and analyze, via Gamma spec, samples over weekend.

BY

TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: Tuesday September 4, 2007

Week ending: September 7, 2007

USACE Project Manager: [REDACTED]

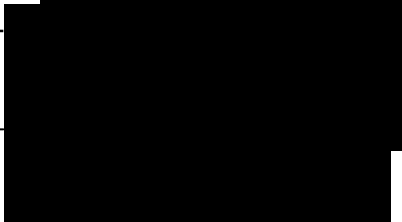
Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

WEATHER	BRIGHT SUN	CLEAR	OVERCAST ✓	RAIN	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70	70 – 85 ✓	85 UP
WIND	STILL	MODERATE ✓	HIGH	Report No. 052	
HUMIDITY	DRY	MODERATE ✓	HUMID		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>
Earth Tech – [REDACTED]
USACE – [REDACTED]
ARS – [REDACTED]
MJW – [REDACTED]
Timmy's team – [REDACTED]
<b>EQUIPMENT ON SITE:</b>
JLG-60' articulated boom (Hertz)
2 - Gators (Hertz)
1 – Track-mounted DPE rig
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>
Gamma walkover survey – IA04B
ARS - 0 core sleeves screened (all of the available sleeves are counted); 0 swipes counted (waiting for equipment gas); analyzed, via Gamma spec, 92 samples, and prepared samples.
Timmy's team – radiological survey Building 2
Completed 6 borings in Building 4/9.

DATE: September 4, 2007WEEK ENDING: September 7, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office).
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office).
Performed initial on-site training for two new technicians.
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
Track-mounted DPE rig track was damaged. SJB scheduled a mechanic to perform repairs at 07:00hrs on 9/5/07.
<b>SPECIAL NOTES:</b>
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: Wednesday September 5, 2007

Week ending: September 7, 2007

USACE Project Manager: [REDACTED]

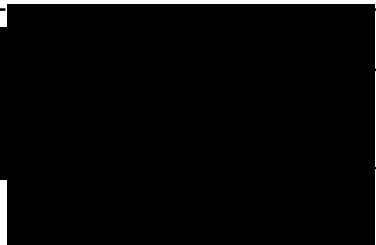
Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

WEATHER	BRIGHT SUN	CLEAR	OVERCAST ✓	RAIN	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70	70 – 85	85 UP ✓
WIND	STILL	MODERATE ✓	HIGH	Report No. 053	
HUMIDITY	DRY	MODERATE ✓	HUMID		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>
Earth Tech [REDACTED]
USACE – [REDACTED]
SJB – [REDACTED]
ARS – [REDACTED]
MJW – [REDACTED]
Timmy's team – [REDACTED]
<b>EQUIPMENT ON SITE:</b>
JLG-60' articulated boom (Hertz)
2 - Gators (Hertz)
1 – Track-mounted DPT rig
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>
Gamma walkover survey – Completed IA04A
ARS - 0 core sleeves screened; 0 swipes counted; analyzed, via Gamma spec, 76 samples, and prepared 140 samples.
Timmy's team – continued radiological survey Building 2 and 4/9
Completed 5 borings in Building 4/9.

DATE: September 5, 2007WEEK ENDING: September 7, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office).
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office).
Performed initial on-site training for SJB mechanic.
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
The track-mounted DPE rig track "threw" its track on 9/4/07. SJB mechanic reinstalled track and adjusted both tracks tension on 9/5/07.
The core barrel threads were showing signs of wear to the point that its replacement was necessary. The new replacement core barrel will be on site 9/6/07. SJB ordered an additional back-up core barrel.
<b>SPECIAL NOTES:</b>
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: Thursday September 6, 2007

Week ending: September 7, 2007

USACE Project Manager: [REDACTED]

Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

WEATHER	BRIGHT SUN	CLEAR	OVERCAST ✓	RAIN	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70	70 – 85	85 UP ✓
WIND	STILL	MODERATE ✓	HIGH	Report No. 054	
HUMIDITY	DRY	MODERATE ✓	HUMID		

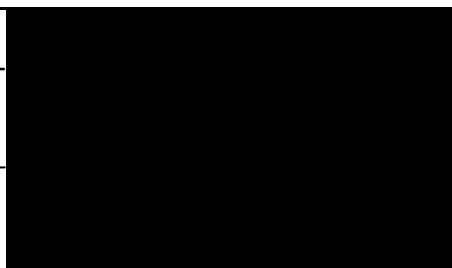
<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>
Earth Tech – [REDACTED]
USACE – [REDACTED]
SJB – [REDACTED]
ARS – [REDACTED]
MJW – [REDACTED]
Timmy's team – [REDACTED]
<b>EQUIPMENT ON SITE:</b>
JLG-60' articulated boom (Hertz)
2 - Gators (Hertz)
1 – Track-mounted DPT rig
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>
Gamma walkover survey – Continued in IA04A, IA04D, and IA03
ARS - 0 core sleeves screened; 0 swipes counted; analyzed, via Gamma spec, 122 samples, and prepared 0 samples.
Timmy's team – continued radiological survey Building 2 (ceilings) and Building 4/9 (Class 1 floors)
Completed 13 borings in Building 4/9 and Building 2.



DATE: September 6, 2007WEEK ENDING: September 7, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>	
Daily performance checks performed on radiological equipment (logs on file in field office).	
<b>HEALTH AND SAFETY ACTIVITIES:</b>	
Tailgate safety briefing (logs on file in field office).	
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>	
<b>SPECIAL NOTES:</b>	
<b>EXPECTATIONS FOR NEXT WEEK:</b>	

BY

TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: Friday September 7, 2007

Week ending: September 7, 2007

USACE Project Manager: [REDACTED]

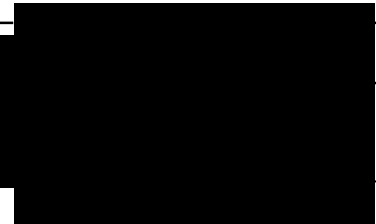
Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

WEATHER	BRIGHT SUN	CLEAR	OVERCAST ✓	RAIN	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70	70 – 85	85 UP ✓
WIND	STILL	MODERATE	HIGH ✓	Report No. 055	
HUMIDITY	DRY	MODERATE ✓	HUMID		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>
Earth Tech – [REDACTED]
USACE – [REDACTED]
SJB – [REDACTED]
ARS – [REDACTED]
MJW – [REDACTED]
Timmy's team – [REDACTED]
<b>EQUIPMENT ON SITE:</b>
JLG-60' articulated boom (Hertz)
2 - Gators (Hertz)
1 – Track-mounted DPT rig
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>
Gamma walkover survey –IA10 and IA04A
ARS - 0 core sleeves screened; 0 swipes counted; analyzed, via Gamma spec, 55 samples, and prepared 0 samples.
Timmy's team – continued radiological survey Building 1 (floors), Building 2 (ceilings), Building 24 (floors), Building 4/9 (floors), and routine surveys (field trailer, equipment, etc)
Completed 7 borings in Building 2 and 6 borings in IA02.

DATE: September 7, 2007WEEK ENDING: September 7, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office).
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office).
Performed weekly Project Site SH&E Inspection (form on file in field office).
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
<b>SPECIAL NOTES:</b>
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: Monday September 10, 2007

Week ending: September 14, 2007

USACE Project Manager: [REDACTED]

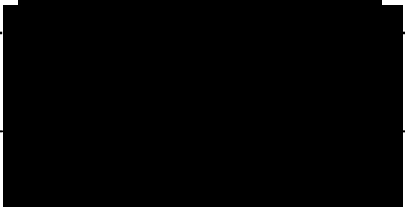
Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

WEATHER	BRIGHT SUN	CLEAR	OVERCAST ✓	RAIN	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70	70 – 85	85 UP ✓
WIND	STILL	MODERATE ✓	HIGH	Report No. 056	
HUMIDITY	DRY	MODERATE ✓	HUMID		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>
Earth Tech [REDACTED]
USACE – [REDACTED]
SJB – [REDACTED]
ARS – [REDACTED]
MJW – [REDACTED]
Timmy's team – [REDACTED]
<b>EQUIPMENT ON SITE:</b>
JLG-60' articulated boom (Hertz)
2 - Gators (Hertz)
1 – Track-mounted DPT rig
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>
Gamma walkover survey –IA02.
ARS - 0 core sleeves screened; 0 swipes counted; analyzed, via Gamma spec, 61 samples, and prepared 0 samples.
Timmy's team – continued radiological survey Building 24 (walls), Building 4/9 (floors), and routine surveys (field trailer, equipment, etc).
Completed 9 borings in IA02.

DATE: September 10, 2007WEEK ENDING: September 14, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office).
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office).
Performed initial onsite health and safety training.
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
<b>SPECIAL NOTES:</b>
ATI Allvac issued an Observation Report; <i>“Employee was concerned about the way outside contractors or EPA are driving in plant. Doing 30 MPH and not stopping for stop signs”</i>
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: Tuesday September 11, 2007

Week ending: September 14, 2007

USACE Project Manager: [REDACTED]

Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

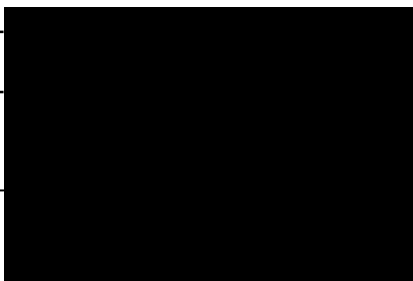
WEATHER	BRIGHT SUN	CLEAR	OVERCAST	RAIN ✓	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70	70 – 85 ✓	85 UP
WIND	STILL	MODERATE ✓	HIGH	Report No. 057	
HUMIDITY	DRY	MODERATE ✓	HUMID		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>
Earth Tech – [REDACTED]
USACE – [REDACTED]
SJB – [REDACTED]
ARS – [REDACTED],
MJW – [REDACTED]
Timmy's team – [REDACTED]
<b>EQUIPMENT ON SITE:</b>
JLG-60' articulated boom (Hertz)
2 - Gators (Hertz)
1 – Track-mounted DPT rig
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>
Gamma walkover survey –IA02.
ARS - 60 core sleeves screened; 0 swipes counted; analyzed, via Gamma spec, 57 samples, and prepared 0 samples.
Timmy's team – continued radiological survey Building 24.
Completed 13 borings in Building 2 and 3.
Completed hydraulic conductivity testing at 1 well.
Completed sediment/surface water sampling at IA03 (no surface water present) and IA08 Building 1.

DATE: September 11, 2007WEEK ENDING: September 14, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office).
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office).
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
<b>SPECIAL NOTES:</b>
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY

TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: Wednesday September 12, 2007

Week ending: September 14, 2007

USACE Project Manager: [REDACTED]

Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

WEATHER	BRIGHT SUN	CLEAR	OVERCAST ✓	RAIN	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70	70 – 85 ✓	85 UP
WIND	STILL	MODERATE ✓	HIGH	Report No. 058	
HUMIDITY	DRY	MODERATE ✓	HUMID		

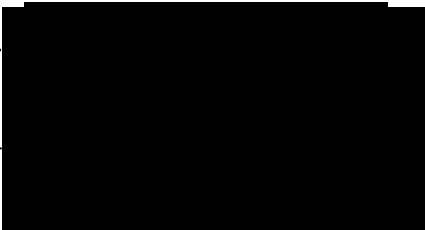
<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>
Earth Tech – [REDACTED]
USACE – [REDACTED]
SJB – [REDACTED]
ARS – [REDACTED],
MJW – [REDACTED]
Timmy's team – [REDACTED]
<b>EQUIPMENT ON SITE:</b>
JLG-60' articulated boom (Hertz)
2 - Gators (Hertz)
1 – Track-mounted DPT rig
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>
Gamma walkover survey – completed IA02.
ARS - 41 core sleeves screened; 242 swipes counted; analyzed, via Gamma spec, 46 samples, and prepared 0 samples.
Timmy's team – performed routine radiological survey.
Completed 13 borings in Building 3, AO2, and AO4A.
Completed hydraulic conductivity testing at 5 well.
Completed sediment/surface water sampling at IA09.



**DATE:** September 12, 2007

**WEEK ENDING:** September 14, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office).
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office).
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
<b>SPECIAL NOTES:</b>
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY 

TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: Thursday September 13, 2007

Week ending: September 14, 2007

USACE Project Manager: [REDACTED]

Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

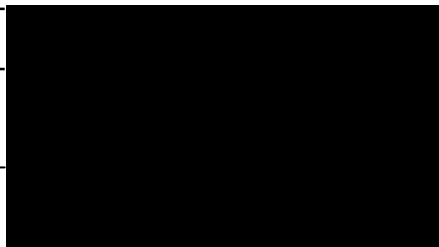
WEATHER	BRIGHT SUN	CLEAR ✓	OVERCAST	RAIN	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70	70 – 85 ✓	85 UP
WIND	STILL	MODERATE ✓	HIGH	Report No. 059	
HUMIDITY	DRY	MODERATE ✓	HUMID		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>
Earth Tech – [REDACTED]
USACE – [REDACTED]
SJB – [REDACTED]
ARS – [REDACTED],
MJW – [REDACTED]
Timmy's team – [REDACTED]
<b>EQUIPMENT ON SITE:</b>
JLG-60' articulated boom (Hertz)
2 - Gators (Hertz)
1 – Track-mounted DPT rig
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>
Gamma walkover survey – continued IA05.
ARS - 48 core sleeves screened; 434 swipes counted; analyzed, via Gamma spec, 5 samples, and prepared 0 samples.
Timmy's team – continued radiological survey of Building 2 (exterior)
Completed 17 soil borings in AO2 and Building 35.
Completed hydraulic conductivity testing at 6 wells.

DATE: September 13, 2007WEEK ENDING: September 14, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office).
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office).
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
<b>SPECIAL NOTES:</b>
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY

TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: Friday September 14, 2007

Week ending: September 14, 2007

USACE Project Manager: [REDACTED]


Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

WEATHER	BRIGHT SUN	CLEAR ✓	OVERCAST	RAIN	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70	70 – 85 ✓	85 UP
WIND	STILL	MODERATE	HIGH ✓	Report No. 060	
HUMIDITY	DRY	MODERATE ✓	HUMID		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>
Earth Tech – [REDACTED]
USACE – [REDACTED]
SJB – [REDACTED]
ARS – [REDACTED]
MJW – [REDACTED]
Timmy's team – [REDACTED]
<b>EQUIPMENT ON SITE:</b>
JLG-60' articulated boom (Hertz)
2 - Gators (Hertz)
1 – Track-mounted DPT rig
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>
Gamma walkover survey – continued IA05.
ARS - 49 core sleeves screened; 120 swipes counted; analyzed, via Gamma spec, 0 samples, and prepared 0 samples.
Timmy's team - continued radiological survey of Buildings 2 and 3 (exterior)
Completed 7 soil borings in AO2 and AO4A.
Completed hydraulic conductivity testing at 5 wells.

DATE: September 14, 2007WEEK ENDING: September 14, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office).
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office).
Perform weekly Health and Safety inspection (log on file in field office).
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
<b>SPECIAL NOTES:</b>
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: Monday September 17, 2007

Week ending: September 21, 2007

USACE Project Manager: [REDACTED]

Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

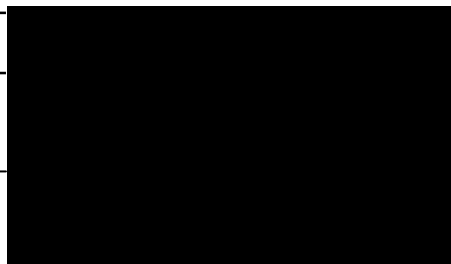
WEATHER	BRIGHT SUN	CLEAR ✓	OVERCAST	RAIN	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70 ✓	70 – 85	85 UP
WIND	STILL ✓	MODERATE	HIGH	Report No. 061	
HUMIDITY	DRY ✓	MODERATE	HUMID		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>
Earth Tech – [REDACTED]
USACE – [REDACTED]
SJB – [REDACTED]
ARS [REDACTED]
Timmy's team – [REDACTED]
<b>EQUIPMENT ON SITE:</b>
JLG-60' articulated boom (Hertz)
2 - Gators (Hertz)
1 – Track-mounted DPT rig
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>
Gamma walkover survey – calibrated equipment.
ARS - 0 core sleeves screened; 138 swipes counted; analyzed, via Gamma spec, 0 samples, and prepared 0 samples. ARS screened 30 core sleeves on 9/15/07 (Saturday).
Timmy's team - continued radiological survey of Building 2 (exterior)
Completed 22 soil borings in AO4B. Continued concrete coring ahead of soil boring activity.
Completed hydraulic conductivity testing at 6 wells.
Continued detritus sampling.

DATE: September 17, 2007WEEK ENDING: September 21, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office).
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office).
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
<b>SPECIAL NOTES:</b>
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY

TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: Tuesday September 18, 2007

Week ending: September 21, 2007

USACE Project Manager: [REDACTED]

Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

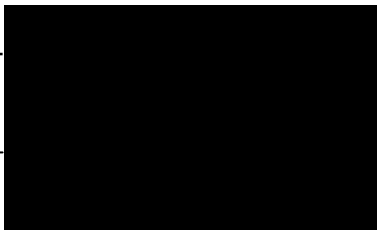
WEATHER	BRIGHT SUN	CLEAR ✓	OVERCAST	RAIN	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70	70 – 85 ✓	85 UP
WIND	STILL ✓	MODERATE	HIGH	Report No. 062	
HUMIDITY	DRY ✓	MODERATE	HUMID		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>
Earth Tech – [REDACTED]
USACE – [REDACTED]
SJB – [REDACTED]
ARS – [REDACTED]
Timmy's team – [REDACTED]
<b>EQUIPMENT ON SITE:</b>
JLG-60' articulated boom (Hertz)
2 - Gators (Hertz)
1 – Track-mounted DPT rig
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>
Gamma walkover survey – IAO4C.
ARS - 50 core sleeves screened; 295 swipes counted; analyzed, via Gamma spec, 41 samples, and prepared 0 samples.
Timmy's team - continued radiological survey of Building 2 (exterior), Buildings 6 and 8 (exterior), Building 24 (interior).
Completed 19 soil borings in AO4B. Continued concrete coring ahead of soil boring activity.
Completed hydraulic conductivity testing at 6 wells. All required wells have been tested.
Continued detritus sampling.



DATE: September 18, 2007WEEK ENDING: September 21, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office).
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office).
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
<b>SPECIAL NOTES:</b>
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: Wednesday September 19, 2007

Week ending: September 21, 2007

USACE Project Manager: [REDACTED]

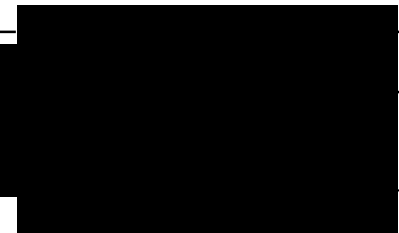
Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

WEATHER	BRIGHT SUN	CLEAR ✓	OVERCAST	RAIN	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70	70 – 85 ✓	85 UP
WIND	STILL ✓	MODERATE	HIGH	Report No. 063	
HUMIDITY	DRY ✓	MODERATE	HUMID		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>
Earth Tech – [REDACTED]
USACE – [REDACTED]
SJB – [REDACTED]
ARS – [REDACTED],
Timmy's team – [REDACTED]
<b>EQUIPMENT ON SITE:</b>
JLG-60' articulated boom (Hertz)
2 - Gators (Hertz)
1 – Track-mounted DPT rig
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>
Gamma walkover survey – IA04C.
ARS - 25 core sleeves screened; 158 swipes counted; analyzed, via Gamma spec, 15 samples, and prepared 0 samples.
Timmy's team - continued radiological survey of Building 24 (ceiling).
Completed 4 borings in Building 4/9 and IA04B. Continued concrete coring ahead of soil boring activity.
Completed detritus sampling (except for Building 6 and 8).

DATE: September 19, 2007WEEK ENDING: September 21, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office).
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office).
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
<b>SPECIAL NOTES:</b>
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: Thursday September 20, 2007

Week ending: September 21, 2007

USACE Project Manager: [REDACTED]

Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003


WEATHER	BRIGHT SUN	CLEAR ✓	OVERCAST	RAIN	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70	70 – 85 ✓	85 UP
WIND	STILL ✓	MODERATE	HIGH	Report No. 064	
HUMIDITY	DRY ✓	MODERATE	HUMID		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>
Earth Tech [REDACTED]
USACE – [REDACTED]
SJB – [REDACTED]
ARS – [REDACTED]
Timmy's team – [REDACTED]
<b>EQUIPMENT ON SITE:</b>
JLG-60' articulated boom (Hertz)
2 - Gators (Hertz)
1 – Track-mounted DPT rig
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>
Gamma walkover survey – IA04D.
ARS - 0 core sleeves screened; 58 swipes counted; analyzed, via Gamma spec, 20 samples, and prepared 0 samples.
Timmy's team - continued radiological survey of Building 24 (ceiling).
Completed 4 borings in Building 4/9 and IA04A. Continued concrete coring ahead of soil boring activity.
Completed detritus sampling (except for Building 6 and 8).

**DATE:** September 20, 2007

**WEEK ENDING:** September 21, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office).
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office).
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
<b>SPECIAL NOTES:</b>
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY 

TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: Friday September 21, 2007

Week ending: September 21, 2007

USACE Project Manager: [REDACTED]

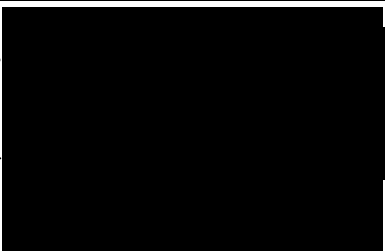
Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

WEATHER	BRIGHT SUN	CLEAR ✓	OVERCAST	RAIN	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70	70 – 85 ✓	85 UP
WIND	STILL ✓	MODERATE	HIGH	Report No. 065	
HUMIDITY	DRY ✓	MODERATE	HUMID		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>
Earth Tech – [REDACTED]
USACE – [REDACTED]
SJB – [REDACTED]
ARS – [REDACTED],
Timmy's team – [REDACTED]
<b>EQUIPMENT ON SITE:</b>
JLG-60' articulated boom (Hertz)
2 - Gators (Hertz)
1 – Track-mounted DPT rig
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>
Gamma walkover survey – IA01 Building 2.
ARS - 0 core sleeves screened; 37 swipes counted; analyzed, via Gamma spec, 20 samples, and prepared 0 samples.
Timmy's team - continued radiological survey of Building 24 (ceiling) and Building 2 (floor and ceiling).
Completed 0 borings. Continued concrete coring ahead of soil boring activity.
Completed detritus sampling (except for Building 6 and 8).

DATE: September 21, 2007WEEK ENDING: September 21, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office).
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office).
Performed Project Site SH&E Inspection Form (logs on file in field office).
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
<b>SPECIAL NOTES:</b>
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: Monday September 24, 2007

Week ending: September 28, 2007

USACE Project Manager: [REDACTED]

Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

WEATHER	BRIGHT SUN	CLEAR ✓	OVERCAST	RAIN	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70	70 – 85 ✓	85 UP
WIND	STILL	MODERATE ✓	HIGH	Report No. 066	
HUMIDITY	DRY ✓	MODERATE	HUMID		

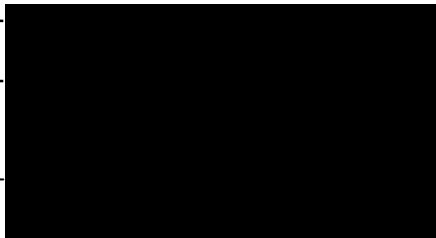
<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>
Earth Tech [REDACTED]
USACE – [REDACTED]
SJB – [REDACTED]
ARS – [REDACTED]
Timmy's team – [REDACTED]
<b>EQUIPMENT ON SITE:</b>
JLG-60' articulated boom (Hertz)
2 - Gators (Hertz)
1 – Track-mounted DPT rig
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>
Gamma walkover survey – IA01 Building 2.
ARS - 0 core sleeves screened; 192 swipes counted; analyzed, via Gamma spec, 58 samples, and prepared 0 samples.
Timmy's team - continued radiological survey of Building 2, 3 (floor).
Completed 17 borings (buildings 3, 4, and 9). Continued concrete coring ahead of soil boring activity.
Completed detritus sampling (except for Building 6 and 8).



DATE: September 24, 2007WEEK ENDING: September 28, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office).
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office).
Performed initial on-site health and safety training for ARS (J. Brown).
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
<b>SPECIAL NOTES:</b>
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY

TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: Tuesday September 25, 2007

Week ending: September 28, 2007

USACE Project Manager: Ray Pilon

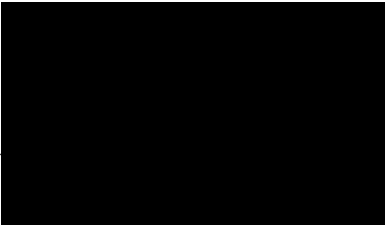
Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

WEATHER	BRIGHT SUN	CLEAR ✓	OVERCAST	RAIN	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70	70 – 85	85 UP ✓
WIND	STILL	MODERATE ✓	HIGH	Report No. 067	
HUMIDITY	DRY	MODERATE	HUMID ✓		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>
Earth Tech – [REDACTED]
USACE – [REDACTED]
SJB – [REDACTED]
ARS – [REDACTED]
Timmy's team – [REDACTED]
<b>EQUIPMENT ON SITE:</b>
JLG-60' articulated boom (Hertz)
2 - Gators (Hertz)
1 – Track-mounted DPT rig
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>
Gamma walkover survey – IA01 Building 3 (completed) and Building 4/9.
ARS - 0 core sleeves screened; 0 swipes counted; analyzed, via Gamma spec, 40 samples, and de-prepped 100 samples.
Timmy's team - continued radiological survey of Building 2, 3 (floor).
Completed 14 borings in Buildings 2, 3, 4, and 9. Continued concrete coring ahead of soil boring activity.
Completed detritus sampling (except for Building 6 and 8).
Completed sediment sampling in Building 24 (7 samples).

DATE: September 25, 2007WEEK ENDING: September 28, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office).
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office).
Performed initial on-site health and safety training for new Earth Tech employee.
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
<b>SPECIAL NOTES:</b>
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: Wednesday September 26, 2007

Week ending: September 28, 2007

USACE Project Manager: [REDACTED]

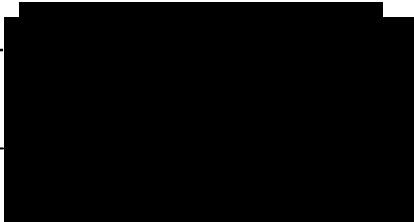
Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

WEATHER	BRIGHT SUN	CLEAR	OVERCAST	RAIN ✓	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70	70 – 85 ✓	85 UP
WIND	STILL	MODERATE ✓	HIGH	Report No. 068	
HUMIDITY	DRY	MODERATE	HUMID ✓		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>
Earth Tech – [REDACTED]
USACE – [REDACTED]
SJB – [REDACTED]
ARS – [REDACTED]
Timmy's team – [REDACTED]
<b>EQUIPMENT ON SITE:</b>
JLG-60' articulated boom (Hertz)
2 - Gators (Hertz)
1 – Track-mounted DPT rig
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>
Gamma walkover survey – IA01 Building 4/9.
ARS - 0 core sleeves screened; 147 swipes counted; analyzed, via Gamma spec, 37 samples, and de-prepped 300 samples.
Timmy's team - continued radiological survey of Building 3.
Completed 20 borings in Buildings 2. Continued concrete coring ahead of soil boring activity.
Completed detritus sampling (except for Building 6 and 8).
Completed sediment/surface water sampling in Building 2 (5 samples) and started in Building 3 (2 samples).

DATE: September 26, 2007WEEK ENDING: September 28, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office).
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office).
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
<b>SPECIAL NOTES:</b>
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: Thursday September 27, 2007

Week ending: September 28, 2007

USACE Project Manager: [REDACTED]


Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

WEATHER	BRIGHT SUN	CLEAR	OVERCAST	RAIN ✓	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70	70 – 85 ✓	85 UP
WIND	STILL	MODERATE ✓	HIGH	Report No. 069	
HUMIDITY	DRY	MODERATE ✓	HUMID		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>
Earth Tech – [REDACTED]
USACE – [REDACTED]
SJB – [REDACTED]
ARS – [REDACTED]
Timmy's team – [REDACTED]
<b>EQUIPMENT ON SITE:</b>
JLG-60' articulated boom (Hertz)
2 - Gators (Hertz)
1 – Track-mounted DPT rig
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>
Gamma walkover survey – IA01 Building 4/9.
ARS - 42 core sleeves screened; 125 swipes counted; analyzed, via Gamma spec, 74 samples, and de-prepped 0 samples.
Timmy's team - continued radiological survey of Building 3.
Completed 16 borings in Buildings 2 and 24. Continued concrete coring ahead of soil boring activity.
Completed detritus sampling (except for Building 6 and 8).
Completed sediment/surface water sampling in Building 4/9 (10 samples).

DATE: September 27, 2007WEEK ENDING: September 28, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office).
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office).
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
<b>SPECIAL NOTES:</b>
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: Friday September 28, 2007

Week ending: September 28, 2007

USACE Project Manager: [REDACTED]

Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003


WEATHER	BRIGHT SUN	CLEAR	OVERCAST	RAIN ✓	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70	70 – 85 ✓	85 UP
WIND	STILL	MODERATE ✓	HIGH	Report No. 070	
HUMIDITY	DRY	MODERATE ✓	HUMID		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>
Earth Tech – [REDACTED]
USACE – [REDACTED]
SJB – [REDACTED]
ARS – [REDACTED]
Timmy's team – [REDACTED]
<b>EQUIPMENT ON SITE:</b>
JLG-60' articulated boom (Hertz)
2 - Gators (Hertz)
1 – Track-mounted DPT rig
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>
Gamma walkover survey – IA01 Building 4/9.
ARS - 64 core sleeves screened; 0 swipes counted; analyzed, via Gamma spec, 10 samples, and de-prepped 0 samples.
Timmy's team - continued radiological survey of Building 3.
Completed 0 borings. Continued concrete coring ahead of soil boring activity.
Completed detritus sampling (except for Building 6 and 8).
Completed sediment/surface water sampling in IA08 (outside buildings).



DATE: September 28, 2007WEEK ENDING: September 28, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office).
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office).
Performed Project Site SH&E Inspection Form (logs on file in field office).
One employee received 2 hour asbestos awareness training.
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
<b>SPECIAL NOTES:</b>
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: Monday October 1, 2007

Week ending: October 5, 2007

USACE Project Manager: [REDACTED]


Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

WEATHER	BRIGHT SUN	CLEAR ✓	OVERCAST	RAIN	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70	70 – 85 ✓	85 UP
WIND	STILL	MODERATE ✓	HIGH	Report No. 071	
HUMIDITY	DRY	MODERATE ✓	HUMID		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>
Earth Tech – [REDACTED]
USACE – [REDACTED]
SJB –
ARS – [REDACTED]
Timmy's team – [REDACTED]
<b>EQUIPMENT ON SITE:</b>
JLG-60' articulated boom (Hertz)
JLG-80' articulated boom (Hertz)
2 - Gators (Hertz)
1 – Track-mounted DPT rig
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>
Gamma walkover survey – IA01 Building 24.
ARS - 0 core sleeves screened; 0 swipes counted; analyzed, via Gamma spec, 0 samples, started prepping 350, and de-prepped 300 samples.
Timmy's team – performed routine radiological surveys.
Completed 0 borings. Continued concrete coring ahead of soil boring activity.
Completed detritus sampling (except for Building 6 and 8).
Continued sediment/surface water sampling in IA01 (Building 3).

DATE: October 1, 2007WEEK ENDING: October 5, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office).
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office).
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
<b>SPECIAL NOTES:</b>
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: Tuesday October 2, 2007

Week ending: October 5, 2007

USACE Project Manager: [REDACTED]

Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

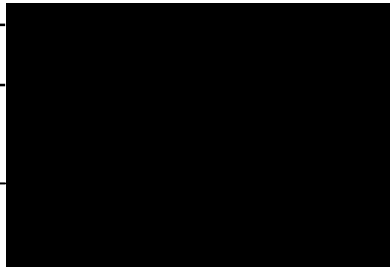
WEATHER	BRIGHT SUN	CLEAR	OVERCAST	RAIN ✓	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70	70 – 85 ✓	85 UP
WIND	STILL	MODERATE ✓	HIGH	Report No. 072	
HUMIDITY	DRY	MODERATE ✓	HUMID		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>
Earth Tech – [REDACTED]
USACE – [REDACTED]
SJB –
ARS – [REDACTED]
Timmy's team – [REDACTED]
<b>EQUIPMENT ON SITE:</b>
JLG-60' articulated boom (Hertz)
JLG-80' articulated boom (Hertz)
2 - Gators (Hertz)
1 – Track-mounted DPT rig
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>
Gamma walkover survey – IA01 Building 2 and 35.
ARS - 0 core sleeves screened; 156 swipes counted; analyzed, via Gamma spec, 0 samples, prepped 0, and de-prepped 500 samples.
Timmy's team – performed radiological survey in Building 24.
Completed 0 borings. Continued concrete coring ahead of soil boring activity.
Completed detritus sampling (except for Building 6 and 8).

DATE: October 2, 2007WEEK ENDING: October 5, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office).
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office).
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
<b>SPECIAL NOTES:</b>
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY

TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: Wednesday October 3, 2007

Week ending: October 5, 2007

USACE Project Manager: [REDACTED]

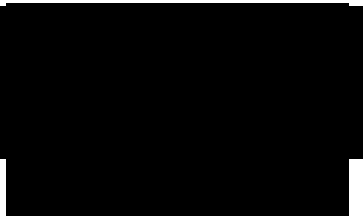
Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

WEATHER	BRIGHT SUN	CLEAR	OVERCAST ✓	RAIN	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70	70 – 85 ✓	85 UP
WIND	STILL	MODERATE ✓	HIGH	Report No. 073	
HUMIDITY	DRY	MODERATE ✓	HUMID		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>
Earth Tech – [REDACTED]
USACE – [REDACTED]
SJB – [REDACTED]
ARS – [REDACTED]
Timmy's team – [REDACTED]
URS – James Kennedy, Robert Frears
<b>EQUIPMENT ON SITE:</b>
JLG-60' articulated boom (Hertz)
JLG-80' articulated boom (Hertz)
2 - Gators (Hertz)
1 – Track-mounted DPT rig
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>
Gamma walkover survey – reviewing data.
ARS - 0 core sleeves screened; 0 swipes counted; analyzed, via Gamma spec, 0 samples, prepped 0, and de-prepped 350 samples.
Timmy's team – performed radiological survey in Building 2.
Completed 19 borings. Continued concrete coring ahead of soil boring activity.
Completed detritus sampling (except for Building 6 and 8).
Completed sediment/surface water sampling in IA01 (Building 3).
URS performed surveying activities in IA01 and IA02 to support soil and sediment/surface water sampling.

DATE: October 3, 2007WEEK ENDING: October 5, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office).
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office).
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
<b>SPECIAL NOTES:</b>
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: Thursday October 4, 2007

Week ending: October 5, 2007

USACE Project Manager: [REDACTED]

Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

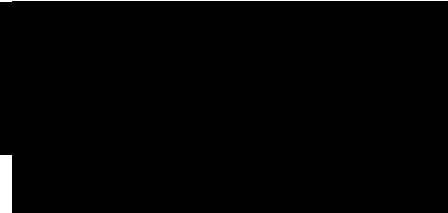
WEATHER	BRIGHT SUN	CLEAR	OVERCAST ✓	RAIN	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70	70 – 85 ✓	85 UP
WIND	STILL	MODERATE ✓	HIGH	Report No. 074	
HUMIDITY	DRY	MODERATE ✓	HUMID		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>
Earth Tech – [REDACTED]
USACE – [REDACTED]
SJB – [REDACTED]
ARS – [REDACTED]
Timmy's team – [REDACTED]
URS – James Kennedy, Robert Frears
<b>EQUIPMENT ON SITE:</b>
JLG-60' articulated boom (Hertz)
2 - Gators (Hertz) complacency
1 – Track-mounted DPT rig
1 – Fork lift
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>
Gamma walkover survey – reviewing data.
ARS - 0 core sleeves screened; 0 swipes counted; analyzed, via Gamma spec, 0 samples, prepped 160, and de-prepped 0 samples.
Timmy's team – performed radiological survey in Building 2.
Completed 8 borings in Building 2, 3, 4/9, and IA0 2. Continued concrete coring ahead of soil boring activity.
Completed detritus sampling (except for Building 6 and 8).
Completed sediment/surface water sampling in IA01 (Building 6 and 8).
URS continued surveying activities to support soil and sediment/surface water sampling.



DATE: October 4, 2007WEEK ENDING: October 5, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office).
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office).
Performed initial on-site health and safety training for two new Earth Tech employees.
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
<b>SPECIAL NOTES:</b>
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: Friday October 5, 2007

Week ending: October 5, 2007

USACE Project Manager: [REDACTED]

Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

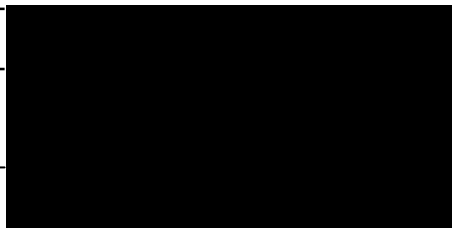
WEATHER	BRIGHT SUN	CLEAR	OVERCAST ✓	RAIN	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70	70 – 85 ✓	85 UP
WIND	STILL	MODERATE ✓	HIGH	Report No. 075	
HUMIDITY	DRY	MODERATE ✓	HUMID		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>
Earth Tech – [REDACTED]
USACE – [REDACTED]
SJB – [REDACTED]
ARS – [REDACTED]
Timmy's team – [REDACTED]
URS – [REDACTED]
<b>EQUIPMENT ON SITE:</b>
JLG-60' articulated boom (Hertz)
2 - Gators (Hertz)
1 – Track-mounted DPT rig
1 – Fork lift
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>
Gamma walkover survey – reviewing data.
ARS - 0 core sleeves screened; 0 swipes counted; analyzed, via Gamma spec, 40 samples, prepped 0, and de-prepped 0 samples.
Timmy's team – performed radiological survey in Building 2.
Completed 11 borings. Continued concrete coring ahead of soil boring activity.
Completed detritus sampling (except for Building 6 and 8).

DATE: October 5, 2007WEEK ENDING: October 5, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office).
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office).
Performed weekly safety audit.
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
<b>SPECIAL NOTES:</b>
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY \_\_\_\_\_

TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: Monday October 8, 2007

Week ending: October 12, 2007

USACE Project Manager: [REDACTED]

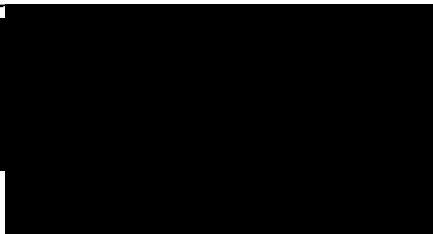
Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

WEATHER	BRIGHT SUN	CLEAR	OVERCAST ✓	RAIN	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70	70 – 85	85 UP ✓
WIND	STILL	MODERATE ✓	HIGH	Report No. 076	
HUMIDITY	DRY	MODERATE	HUMID ✓		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>
Earth Tech – [REDACTED]
USACE – [REDACTED]
SJB – [REDACTED]
ARS – [REDACTED]
Timmy's team – [REDACTED]
<b>EQUIPMENT ON SITE:</b>
1 - JLG-60' articulated boom (Hertz)
1 - JLG-120' articulated boom (Hertz)
2 - Gators (Hertz)
1 – Track-mounted DPT rig (subcontractor SJB)
1 – Skid Steer (Hertz)
1 – Drill Rig CME-75 (subcontractor SJB)
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>
Gamma walkover survey – reviewing data.
ARS - 45 core sleeves screened; 192 swipes counted; analyzed, via Gamma spec, 35 samples, prepped 70, and de-prepped 70 samples.
Performed radiological survey in Building 2.
Completed 8 borings. Continued concrete coring ahead of soil boring activity.
Completed detritus sampling (except for Building 6 and 8).
Started the installation of MW-606DR.

DATE: October 8, 2007WEEK ENDING: October 12, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office).
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office).
Performed weekly safety audit.
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
<b>SPECIAL NOTES:</b>
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: Tuesday October 9, 2007

Week ending: October 12, 2007

USACE Project Manager: [REDACTED]

Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

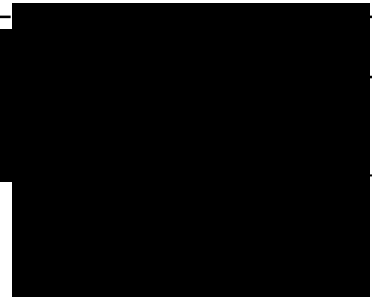
WEATHER	BRIGHT SUN	CLEAR	OVERCAST ✓	RAIN	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70	70 – 85 ✓	85 UP
WIND	STILL	MODERATE ✓	HIGH	Report No. 077	
HUMIDITY	DRY	MODERATE	HUMID ✓		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>
Earth Tech [REDACTED] bi
USACE – [REDACTED]
SJB – [REDACTED]
ARS – [REDACTED]
Timmy's team – [REDACTED]
<b>EQUIPMENT ON SITE:</b>
1 - JLG-60' articulated boom (Hertz)
1 - JLG-120' articulated boom (Hertz)
2 - Gators (Hertz)
1 – Track-mounted DPT rig (subcontractor SJB)
1 – Skid Steer (Hertz)
1 – Drill Rig CME-75 (subcontractor SJB)
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>
Gamma walkover survey – continued in 4C and 4D.
ARS - 0 core sleeves screened; 209 swipes counted; analyzed, via Gamma spec, 50 samples, prepped 60, and de-prepped 0 samples.
Performed radiological survey in Building 3 trench.
Completed 13 borings (between both rigs). Continued concrete coring ahead of soil boring activity.
Completed detritus sampling (except for Building 6 and 8).
Started the installation of MW-606DR.

DATE: October 9, 2007

WEEK ENDING: October 12, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office).
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office).
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
<b>SPECIAL NOTES:</b>
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY 

TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: Wednesday October 10, 2007

Week ending: October 12, 2007

USACE Project Manager: [REDACTED]

Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

WEATHER	BRIGHT SUN	CLEAR	OVERCAST ✓	RAIN	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70	70 – 85 ✓	85 UP
WIND	STILL	MODERATE ✓	HIGH	Report No. 078	
HUMIDITY	DRY	MODERATE	HUMID ✓		

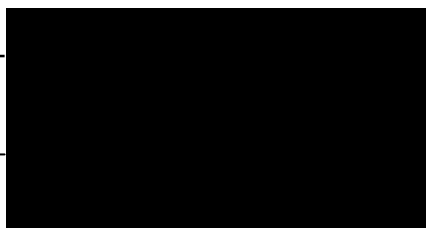
<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>
Earth Tech – [REDACTED]
USACE [REDACTED]
SJB – [REDACTED]
ARS [REDACTED]
Timmy's team – [REDACTED]
<b>EQUIPMENT ON SITE:</b>
1 - JLG-60' articulated boom (Hertz)
1 - JLG-120' articulated boom (Hertz)
2 - Gators (Hertz)
1 – Track-mounted DPT rig (subcontractor SJB)
1 – Skid Steer (Hertz)
1 – Drill Rig CME-75 (subcontractor SJB)
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>
Gamma walkover survey – continued in 4A and 4D.
ARS - 0 core sleeves screened; 30 swipes counted; 24 air samples; analyzed, via Gamma spec, 0 samples, prepped 0, and de-prepped 0 samples.
Performed radiological survey in Building 2 doors.
Completed 7 borings. Continued concrete coring ahead of soil boring activity.
Completed detritus sampling (except for Building 6 and 8).
Completed the installation of MW-606DR.



DATE: October 10, 2007WEEK ENDING: October 12, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office).
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office).
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
<b>SPECIAL NOTES:</b>
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY \_\_\_\_\_

TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: Thursday October 11, 2007

Week ending: October 12, 2007

USACE Project Manager: [REDACTED]


Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

WEATHER	BRIGHT SUN	CLEAR	OVERCAST ✓	RAIN ✓	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70✓	70 – 85	85 UP
WIND	STILL	MODERATE ✓	HIGH	Report No. 079	
HUMIDITY	DRY	MODERATE ✓	HUMID		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>
Earth Tech [REDACTED]
USACE – [REDACTED]
SJB – [REDACTED]
ARS – [REDACTED]
Timmy's team – [REDACTED]
<b>EQUIPMENT ON SITE:</b>
1 - JLG-60' articulated boom (Hertz)
1 - JLG-120' articulated boom (Hertz)
2 - Gators (Hertz)
1 – Track-mounted DPT rig (subcontractor SJB)
1 – Skid Steer (Hertz)
1 – Drill Rig CME-75 (subcontractor SJB)
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>
Gamma walkover survey – continued in 4A and 4D.
ARS - 0 core sleeves screened; 215 swipes counted; 2 air samples; analyzed, via Gamma spec, 0 samples, prepped 0, and de-prepped 0 samples.
Performed radiological survey in Buildings 1 and 2 doors.
Completed 14 borings (Building 6 and IA03. Continued concrete coring ahead of soil boring activity.
Completed detritus sampling at 1 location in Buildings 6 and 8.
Completed development of MW-606DR.
Resampled A08 A01 SD001R (insufficient sample volume after drying).

DATE: October 11, 2007WEEK ENDING: October 12, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>	
Daily performance checks performed on radiological equipment (logs on file in field office).	
<b>HEALTH AND SAFETY ACTIVITIES:</b>	
Tailgate safety briefing (logs on file in field office).	
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>	
<b>SPECIAL NOTES:</b>	
<b>EXPECTATIONS FOR NEXT WEEK:</b>	

BY TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: Friday October 12, 2007

Week ending: October 12, 2007

USACE Project Manager: [REDACTED]

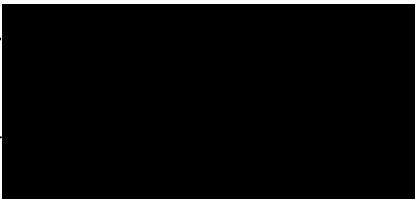
Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

WEATHER	BRIGHT SUN	CLEAR	OVERCAST ✓	RAIN	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70✓	70 – 85	85 UP
WIND	STILL	MODERATE ✓	HIGH	Report No. 080	
HUMIDITY	DRY	MODERATE ✓	HUMID		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>
Earth Tech – [REDACTED]
USACE [REDACTED]
SJB – [REDACTED]
ARS – [REDACTED]
Timmy's team – [REDACTED]
<b>EQUIPMENT ON SITE:</b>
1 - JLG-60' articulated boom (Hertz)
1 - JLG-120' articulated boom (Hertz)
2 - Gators (Hertz)
1 – Track-mounted DPT rig (subcontractor SJB)
1 – Skid Steer (Hertz)
1 – Drill Rig CME-75 (subcontractor SJB)
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>
Gamma walkover survey – continued in 4D.
ARS - 0 core sleeves screened; 142 swipes counted; 2 air samples; analyzed, via Gamma spec, 46 samples, prepped 0, and de-prepped 0 samples.
Performed radiological survey in Buildings 1 and 2 doors.
Completed 6 borings in Building 6 and 10 borings in IA03. Continued concrete coring ahead of soil boring activity.
Completed detritus sampling at 5 locations in Buildings 6.

DATE: October 12, 2007WEEK ENDING: October 12, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office).
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office).
Performed weekly Project Site SH&E Inspection Form and Housekeeping Checklist (logs on file in field office).
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
<b>SPECIAL NOTES:</b>
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: Monday October 15, 2007

Week ending: October 19, 2007

USACE Project Manager: [REDACTED]


Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

WEATHER	BRIGHT SUN	CLEAR	OVERCAST ✓	RAIN	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70✓	70 – 85	85 UP
WIND	STILL	MODERATE ✓	HIGH	Report No. 081	
HUMIDITY	DRY	MODERATE ✓	HUMID		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>
Earth Tech – [REDACTED]
USACE – [REDACTED]
SJB – [REDACTED]
ARS [REDACTED],
Timmy's team – [REDACTED]
<b>EQUIPMENT ON SITE:</b>
1 - JLG-60' articulated boom (Hertz)
1 – Drill Rig CME-75 (subcontractor SJB)
2 - Gators (Hertz)
1 – Track-mounted DPT rig (subcontractor SJB)
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>
Gamma walkover survey – continued in 4B and 4D.
ARS - 0 core sleeves screened; 130 swipes counted; 2 air samples; analyzed, via Gamma spec, 40 samples, prepped 0, and de-prepped 0 samples.
Performed radiological survey of Buildings exit/entries and routine surveys.
Completed 5 borings in Building 6, 2 borings in Building 8, and 8 borings in IA03. Continued concrete coring ahead of soil boring activity as needed.

DATE: October 15, 2007WEEK ENDING: October 19, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office).
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office).
Performed initial onsite health and safety training.
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
<b>SPECIAL NOTES:</b>
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: Tuesday October 16, 2007

Week ending: October 19, 2007

USACE Project Manager: [REDACTED]

Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003


WEATHER	BRIGHT SUN	CLEAR	OVERCAST ✓	RAIN	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70 ✓	70 – 85	85 UP
WIND	STILL	MODERATE ✓	HIGH	Report No. 082	
HUMIDITY	DRY	MODERATE ✓	HUMID		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>
Earth Tech – [REDACTED]
USACE – [REDACTED]
SJB – [REDACTED]
ARS – [REDACTED]
Timmy's team – [REDACTED]
<b>EQUIPMENT ON SITE:</b>
1 - JLG-60' articulated boom (Hertz)
1 – Drill Rig CME-75 (subcontractor SJB)
2 - Gators (Hertz)
1 – Track-mounted DPT rig (subcontractor SJB)
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>
Gamma walkover survey – continued in 4A, 4D, 5A.
ARS - 0 core sleeves screened; 227 swipes counted; analyzed, via Gamma spec, 30 samples, prepped 0, and de-prepped 0 samples.
Performed radiological survey of Buildings exit/entries and routine surveys.
Completed 4 borings in Building 6, 1 borings in Building 8, 7 borings in IA04A, and 1 borings in IA03. Continued concrete coring ahead of soil boring activity as needed.



DATE: October 16, 2007WEEK ENDING: October 19, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office).
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office).
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
<b>SPECIAL NOTES:</b>
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: Wednesday October 17, 2007

Week ending: October 19, 2007

USACE Project Manager: [REDACTED]

Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

WEATHER	BRIGHT SUN	CLEAR	OVERCAST ✓	RAIN	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70✓	70 – 85	85 UP
WIND	STILL	MODERATE ✓	HIGH	Report No. 083	
HUMIDITY	DRY	MODERATE ✓	HUMID		

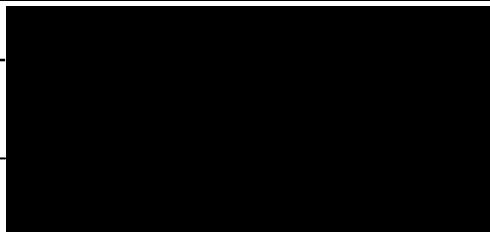
<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>	
Earth Tech –	[REDACTED]
USACE	[REDACTED]
SJB –	[REDACTED]
ARS –	[REDACTED]
Timmy's team –	[REDACTED]
<b>EQUIPMENT ON SITE:</b>	
1 - JLG-60' articulated boom (Hertz)	
1 - JLG-120' articulated boom (Hertz)	
1 – Drill Rig CME-75 (subcontractor SJB)	
2 - Gators (Hertz)	
1 – Track-mounted DPT rig (subcontractor SJB)	
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>	
Gamma walkover survey – continued in 4A, 4B, 4C, and 5A.	
ARS - 64 core sleeves screened; 0 swipes counted; analyzed, via Gamma spec, 0 samples, prepped 0, and de-prepped 600 samples.	
Performed radiological survey of Building 3 and routine surveys.	
Completed 9 borings in IA04A. Continued concrete coring ahead of soil boring activity as needed.	

DATE: October 17, 2007

WEEK ENDING: October 19, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office).
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office).
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
<b>SPECIAL NOTES:</b>
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY



TITLE

Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: Thursday October 18, 2007

Week ending: October 19, 2007

USACE Project Manager: [REDACTED]

Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

WEATHER	BRIGHT SUN	CLEAR	OVERCAST ✓	RAIN	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70	70 – 85 ✓	85 UP
WIND	STILL	MODERATE ✓	HIGH	Report No. 084	
HUMIDITY	DRY	MODERATE ✓	HUMID		

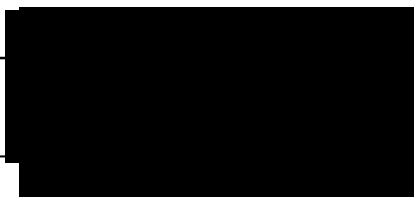
<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>
Earth Tech – [REDACTED]
USACE – [REDACTED]
SJB – [REDACTED]
ARS – [REDACTED]
Timmy's team – [REDACTED]
<b>EQUIPMENT ON SITE:</b>
1 - JLG-60' articulated boom (Hertz)
1 - JLG-120' articulated boom (Hertz)
1 – Drill Rig CME-75 (subcontractor SJB)
2 - Gators (Hertz)
1 – Track-mounted DPT rig (subcontractor SJB)
1 – Skid steer (Hertz)
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>
Gamma walkover survey – continued in 4A and 4C.
ARS - 60 core sleeves screened; 0 swipes counted; analyzed, via Gamma spec, 1 sample, prepped 0, and de-prepped 200 samples.
Performed radiological survey of Building 3 and routine surveys.
Completed 9 borings in IA04A, 2 borings in IA02, 9 borings in Building 8. Continued concrete coring ahead of soil boring activity as needed.

DATE: October 18, 2007

WEEK ENDING: October 19, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office).
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office).
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
<b>SPECIAL NOTES:</b>
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY



Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: Friday October 19, 2007

Week ending: October 19, 2007

USACE Project Manager: [REDACTED]


Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

WEATHER	BRIGHT SUN	CLEAR	OVERCAST	RAIN ✓	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70 ✓	70 – 85	85 UP
WIND	STILL	MODERATE	HIGH ✓	Report No. 085	
HUMIDITY	DRY	MODERATE ✓	HUMID		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>
Earth Tech – [REDACTED]
USACE – [REDACTED]
SJB – [REDACTED]
ARS – [REDACTED]
Timmy's team – [REDACTED]
<b>EQUIPMENT ON SITE:</b>
1 - JLG-60' articulated boom (Hertz)
1 - JLG-120' articulated boom (Hertz)
1 – Drill Rig CME-75 (subcontractor SJB)
2 - Gators (Hertz)
1 – Track-mounted DPT rig (subcontractor SJB)
1 – Skid steer (Hertz)
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>
Gamma walkover survey – completed.
ARS - 60 core sleeves screened; 0 swipes counted; analyzed, via Gamma spec, 0 samples, prepped 0, and de-prepped 0 samples.
Performed radiological survey of stacks and furnaces.
Completed 8 borings in IA04A and IA02, 13 borings in Building 8. Continued concrete coring ahead of soil boring activity as needed.

DATE: October 19, 2007WEEK ENDING: October 19, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office).
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office).
Performed weekly safety audit (logs on file in field office).
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
<b>SPECIAL NOTES:</b>
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: Monday October 22, 2007

Week ending: October 26, 2007

USACE Project Manager: [REDACTED]

Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

WEATHER	BRIGHT SUN	CLEAR	OVERCAST	RAIN ✓	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70	70 – 85 ✓	85 UP
WIND	STILL	MODERATE	HIGH ✓	Report No. 086	
HUMIDITY	DRY	MODERATE	HUMID ✓		

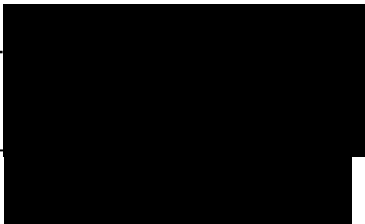
<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>
Earth Tech – [REDACTED]
USACE – [REDACTED]
SJB – [REDACTED]
ARS – [REDACTED]
Timmy's team – [REDACTED]
<b>EQUIPMENT ON SITE:</b>
1 - JLG-60' articulated boom (Hertz)
1 – Track-mounted DPT rig (subcontractor SJB)
1 – Drill Rig CME-75 (subcontractor SJB)
2 - Gators (Hertz)
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>
Completed 9 borings in IA04D and IA02. Continued concrete coring ahead of soil boring activity as needed.
ARS - 00 core sleeves screened; 200 swipes counted; analyzed, via Gamma spec, 0 samples, prepped 0, and de-prepped 0 samples.
Performed radiological survey of stacks, furnaces, and doors.



DATE: October 22, 2007

WEEK ENDING: October 26, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office).
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office).
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
<b>SPECIAL NOTES:</b>
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY 

TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: Tuesday October 23, 2007

Week ending: October 26, 2007

USACE Project Manager: [REDACTED]

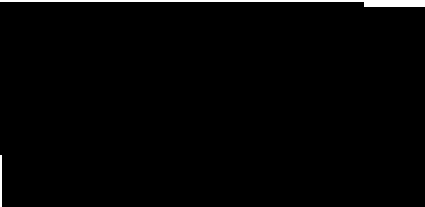
Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

WEATHER	BRIGHT SUN	CLEAR	OVERCAST	RAIN ✓	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70 ✓	70 – 85	85 UP
WIND	STILL	MODERATE	HIGH ✓	Report No. 087	
HUMIDITY	DRY	MODERATE ✓	HUMID		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>
Earth Tech [REDACTED]
USACE – [REDACTED]
SJB [REDACTED]
ARS – [REDACTED]
Timmy's team – [REDACTED]
<b>EQUIPMENT ON SITE:</b>
1 - JLG-60' articulated boom (Hertz)
1 – Track-mounted DPT rig (subcontractor SJB)
1 – Drill Rig CME-75 (subcontractor SJB)
2 - Gators (Hertz)
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>
Completed 4 borings in IA05A, 6 borings in Building 2 (3 of which were hand augered). Continued concrete coring ahead of soil boring activity as needed.
ARS - 55 core sleeves screened; 46 swipes counted; analyzed, via Gamma spec, 80 samples, prepped 0, and de-prepped 0 samples.
Performed radiological survey of stacks and furnaces.

DATE: October 23, 2007WEEK ENDING: October 26, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office).
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office).
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
<b>SPECIAL NOTES:</b>
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: Wednesday October 24, 2007

Week ending: October 26, 2007

USACE Project Manager: [REDACTED]


Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

WEATHER	BRIGHT SUN	CLEAR	OVERCAST ✓	RAIN	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70 ✓	70 – 85	85 UP
WIND	STILL	MODERATE ✓	HIGH	Report No. 088	
HUMIDITY	DRY	MODERATE ✓	HUMID		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>	
Earth Tech	[REDACTED]
USACE	[REDACTED]
SJB –	[REDACTED]
ARS –	[REDACTED]
Timmy's team –	[REDACTED]
<b>EQUIPMENT ON SITE:</b>	
1 - JLG-60' articulated boom (Hertz)	
1 – Track-mounted DPT rig (subcontractor SJB)	
1 – Drill Rig CME-75 (subcontractor SJB)	
2 - Gators (Hertz)	
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>	
Completed 4 borings in IA05A, 6 borings in Building 2 (3 of which were hand augered). Continued concrete coring ahead of soil boring activity as needed.	
ARS - 55 core sleeves screened; 46 swipes counted; analyzed, via Gamma spec, 80 samples, prepped 0, and de-prepped 0 samples.	
Performed radiological survey of stacks and furnaces.	

DATE: October 24, 2007WEEK ENDING: October 26, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office).
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office).
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
<b>SPECIAL NOTES:</b>
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: Thursday October 25, 2007

Week ending: October 26, 2007

USACE Project Manager: [REDACTED]

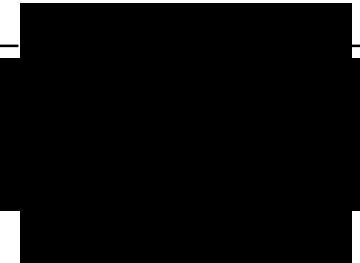
Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

WEATHER	BRIGHT SUN	CLEAR	OVERCAST ✓	RAIN	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70 ✓	70 – 85	85 UP
WIND	STILL	MODERATE ✓	HIGH	Report No. 089	
HUMIDITY	DRY	MODERATE ✓	HUMID		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>	
Earth Tech	[REDACTED]
USACE	[REDACTED]
SJB	[REDACTED]
ARS	[REDACTED]
Timmy's team	[REDACTED]
<b>EQUIPMENT ON SITE:</b>	
1 - JLG-60' articulated boom (Hertz)	
1 – Track-mounted DPT rig (subcontractor SJB)	
1 – Drill Rig CME-75 (subcontractor SJB)	
2 - Gators (Hertz)	
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>	
Completed 3 borings in IA05A, 7 borings in IA04D, 9 hand augers in Buildings 2 and 3. Continued concrete coring ahead of soil boring activity as needed.	
ARS - 52 core sleeves screened; 0 swipes counted; analyzed, via Gamma spec, 115 samples, prepped 0, and de-prepped 0 samples.	
Performed radiological survey of ceiling in Buildings 3 and dose rates in Buildings 3 and 4/9.	
Collected two SW/SD samples from the basement of Building 1 on 10/24/07.	

DATE: October 25, 2007WEEK ENDING: October 26, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office).
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office).
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
<b>SPECIAL NOTES:</b>
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: Friday October 26, 2007

Week ending: October 26, 2007

USACE Project Manager: [REDACTED]

Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003


WEATHER	BRIGHT SUN	CLEAR	OVERCAST ✓	RAIN	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70 ✓	70 – 85	85 UP
WIND	STILL	MODERATE ✓	HIGH	Report No. 090	
HUMIDITY	DRY	MODERATE ✓	HUMID		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>	
Earth Tech	[REDACTED]
USACE –	[REDACTED]
SJB –	[REDACTED]
ARS –	[REDACTED]
Timmy's team –	[REDACTED]
<b>EQUIPMENT ON SITE:</b>	
1 - JLG-60' articulated boom (Hertz)	
1 – Track-mounted DPT rig (subcontractor SJB)	
1 – Drill Rig CME-75 (subcontractor SJB)	
2 - Gators (Hertz)	
1 - Forklift	
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>	
Completed 3 borings in IA04B, 1 borings in IA04E, 2 borings in Building 35, and 3 hand augers in Building 8. Continued concrete coring ahead of soil boring activity as needed.	
ARS - 0 core sleeves screened; 492 swipes counted; analyzed, via Gamma spec, 130 samples, prepped 0, and de-prepped 0 samples.	
Performed radiological survey of ceiling in Building 3 and volumetric surveys.	



DATE: October 26, 2007WEEK ENDING: October 26, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office).
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office).
Performed weekly safety audit (logs on file in field office).
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
<b>SPECIAL NOTES:</b>
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: Monday October 29, 2007

Week ending: November 2, 2007

USACE Project Manager: [REDACTED]

Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003


WEATHER	BRIGHT SUN	CLEAR	OVERCAST ✓	RAIN	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70 ✓	70 – 85	85 UP
WIND	STILL	MODERATE ✓	HIGH	Report No. 091	
HUMIDITY	DRY	MODERATE ✓	HUMID		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>
Earth Tech [REDACTED]
USACE – [REDACTED]
SJB – [REDACTED]
ARS – [REDACTED]
Timmy's team – [REDACTED]
<b>EQUIPMENT ON SITE:</b>
1 - JLG-60' articulated boom (Hertz)
1 – Track-mounted DPT rig (subcontractor SJB)
1 – Drill Rig CME-75 (subcontractor SJB)
2 - Gators (Hertz)
1 - Forklift
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>
Completed 1 boring in IA04A and 7 borings in IA04D. Continued concrete coring ahead of soil boring activity as needed.
ARS - 54 core sleeves screened; 0 swipes counted; analyzed, via Gamma spec, 0 samples, prepped 0, and de-prepped 0 samples.
Performed radiological survey (volumetrics and dose rates) in Buildings.

**DATE:** October 29, 2007

**WEEK ENDING:** November 2, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office).
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office).
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
<b>SPECIAL NOTES:</b>
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY  \_\_\_\_\_

TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: Tuesday October 30, 2007

Week ending: November 2, 2007

USACE Project Manager: [REDACTED]

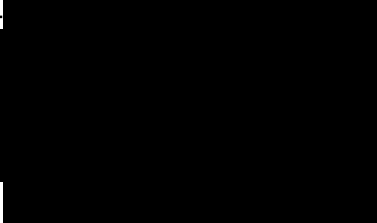
Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

WEATHER	BRIGHT SUN	CLEAR	OVERCAST ✓	RAIN	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70 ✓	70 – 85	85 UP
WIND	STILL	MODERATE ✓	HIGH	Report No. 092	
HUMIDITY	DRY	MODERATE ✓	HUMID		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>	
Earth Tech	[REDACTED]
USACE –	[REDACTED]
SJB –	[REDACTED]
ARS –	[REDACTED]
Timmy's team –	[REDACTED]
<b>EQUIPMENT ON SITE:</b>	
1 - JLG-60' articulated boom (Hertz)	
1 – Track-mounted DPT rig (subcontractor SJB)	
1 – Drill Rig CME-75 (subcontractor SJB)	
2 - Gators (Hertz)	
1 - Forklift	
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>	
Completed 5 borings in IA04C and 5 borings in IA04D. Continued concrete coring ahead of soil boring activity as needed.	
ARS - 30 core sleeves screened; 0 swipes counted; analyzed, via Gamma spec, 80 samples, prepped 80, and de-prepped 0 samples.	
Performed radiological survey (volumetrics) in Buildings.	

DATE: October 30, 2007WEEK ENDING: November 2, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office).
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office).
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
<b>SPECIAL NOTES:</b>
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: Wednesday October 31, 2007

Week ending: November 2, 2007

USACE Project Manager: [REDACTED]

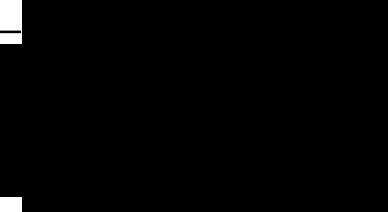
Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

WEATHER	BRIGHT SUN	CLEAR	OVERCAST ✓	RAIN	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70 ✓	70 – 85	85 UP
WIND	STILL	MODERATE	HIGH ✓	Report No. 093	
HUMIDITY	DRY	MODERATE ✓	HUMID		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>	
Earth Tech	[REDACTED]
USACE	[REDACTED]
SJB –	[REDACTED]
ARS –	[REDACTED]
Timmy's team –	[REDACTED]
<b>EQUIPMENT ON SITE:</b>	
1 - JLG-60' articulated boom (Hertz)	
1 – Track-mounted DPT rig (subcontractor SJB)	
1 – Drill Rig CME-75 (subcontractor SJB)	
2 - Gators (Hertz)	
1 - Forklift	
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>	
Completed 5 borings in IA04A and 7 borings in Buildings 4/9 and 6. Continued concrete coring ahead of soil boring activity as needed.	
ARS - 21 core sleeves screened; 0 swipes counted; analyzed, via Gamma spec, 40 samples, prepped 140, and de-prepped 0 samples.	
Performed radiological survey (dose rates) outside buildings.	

DATE: October 31, 2007WEEK ENDING: November 2, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office).
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office).
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
<b>SPECIAL NOTES:</b>
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: Thursday November 1, 2007

Week ending: November 2, 2007

USACE Project Manager: [REDACTED]

Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

WEATHER	BRIGHT SUN	CLEAR	OVERCAST ✓	RAIN	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70 ✓	70 – 85	85 UP
WIND	STILL	MODERATE	HIGH ✓	Report No. 094	
HUMIDITY	DRY	MODERATE ✓	HUMID		


<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>	
Earth Tech	[REDACTED]
USACE –	[REDACTED]
SJB –	[REDACTED]
ARS –	[REDACTED]
Timmy's team –	[REDACTED]
<b>EQUIPMENT ON SITE:</b>	
1 - JLG-60' articulated boom (Hertz)	
1 – Track-mounted DPT rig (subcontractor SJB)	
1 – Drill Rig CME-75 (subcontractor SJB)	
2 - Gators (Hertz)	
1 - Forklift	
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>	
Completed 10 borings in IA04A and 3 borings in Building 8. Continued concrete coring ahead of soil boring activity as needed.	
ARS - 40 core sleeves screened; 0 swipes counted; analyzed, via Gamma spec, 60 samples, prepped 0, and de-prepped 0 samples.	
Performed radiological survey (dose rates) outside buildings.	



**DATE:** November 1, 2007

**WEEK ENDING:** November 2, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office).
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office).
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
<b>SPECIAL NOTES:</b>
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY  \_\_\_\_\_

TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: Friday November 2, 2007

Week ending: November 2, 2007

USACE Project Manager: [REDACTED]

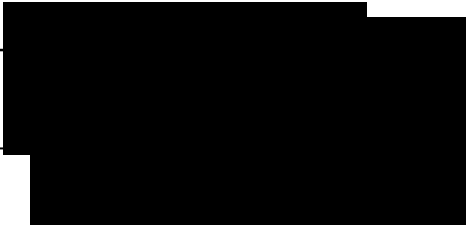
Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

WEATHER	BRIGHT SUN	CLEAR	OVERCAST ✓	RAIN	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70 ✓	70 – 85	85 UP
WIND	STILL	MODERATE	HIGH ✓	Report No. 095	
HUMIDITY	DRY	MODERATE ✓	HUMID		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>	
Earth Tech	[REDACTED]
USACE –	[REDACTED]
SJB –	[REDACTED]
ARS –	[REDACTED]
Timmy's team –	[REDACTED]
<b>EQUIPMENT ON SITE:</b>	
1 - JLG-60' articulated boom (Hertz)	
1 – Track-mounted DPT rig (subcontractor SJB)	
1 – Drill Rig CME-75 (subcontractor SJB)	
2 - Gators (Hertz)	
1 - Forklift	
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>	
Completed 14 borings in IA04B, IA04D, and Building 8.	
ARS - 32 core sleeves screened; 0 swipes counted; analyzed, via Gamma spec, 0 samples, prepped 0, and de-prepped 0 samples.	
Performed radiological survey (dose rates) outside buildings.	

DATE: November 2, 2007WEEK ENDING: November 2, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office).
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office).
Performed weekly safety audit (logs on file in field office).
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
<b>SPECIAL NOTES:</b>
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: Monday November 5, 2007

Week ending: November 9, 2007

USACE Project Manager: [REDACTED]

Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

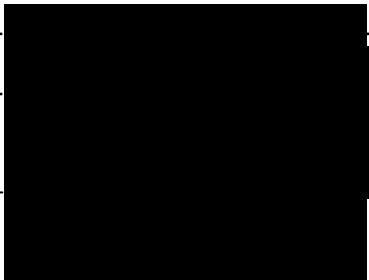
WEATHER	BRIGHT SUN	CLEAR	OVERCAST ✓	RAIN	SNOW
TEMPERATURE	TO 32	23 – 50	50 – 70 ✓	70 – 85	85 UP
WIND	STILL	MODERATE ✓	HIGH	Report No. 096	
HUMIDITY	DRY	MODERATE ✓	HUMID		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>
Earth Tech [REDACTED]
USACE – [REDACTED]
SJB – [REDACTED]
ARS – [REDACTED]
<b>EQUIPMENT ON SITE:</b>
1 - JLG-60' articulated boom (Hertz)
1 – Track-mounted DPT rig (subcontractor SJB)
1 – Drill Rig CME-75 (subcontractor SJB)
2 - Gators (Hertz)
1 - Forklift
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>
Completed 13 borings in IA04B, IA04D, and Building 2 and 24.
ARS - 63 core sleeves screened; 0 swipes counted; analyzed, via Gamma spec, 20 samples, prepped 0, and de-prepped 0 samples.
Performed miscellaneous building surveys.

DATE: November 5, 2007

WEEK ENDING: November 9, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office).
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office).
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
<b>SPECIAL NOTES:</b>
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY 

TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: Tuesday November 6, 2007

Week ending: November 9, 2007

USACE Project Manager: [REDACTED]

Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

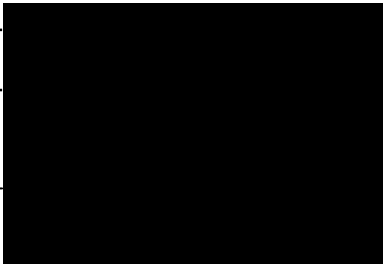
WEATHER	BRIGHT SUN	CLEAR	OVERCAST ✓	RAIN	SNOW
TEMPERATURE	TO 32	23 – 50 ✓	50 – 70	70 – 85	85 UP
WIND	STILL	MODERATE ✓	HIGH	Report No. 097	
HUMIDITY	DRY	MODERATE ✓	HUMID		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>	
Earth Tech	[REDACTED]
USACE –	[REDACTED]
SJB –	[REDACTED]
ARS –	[REDACTED]
<b>EQUIPMENT ON SITE:</b>	
1 - JLG-60' articulated boom (Hertz)	
1 – Track-mounted DPT rig (subcontractor SJB)	
1 – Drill Rig CME-75 (subcontractor SJB)	
2 - Gators (Hertz)	
1 - Forklift	
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>	
Completed 19 borings in IA04B, IA04D, and Building 3 and 24.	
ARS - 22 core sleeves screened; 0 swipes counted; analyzed, via Gamma spec, 0 samples, prepped 72, and de-prepped 0 samples.	
Performed building stack surveys.	

**DATE:** November 6, 2007

**WEEK ENDING:** November 9, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office).
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office).
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
<b>SPECIAL NOTES:</b>
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY 

TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: Wednesday November 7, 2007

Week ending: November 9, 2007

USACE Project Manager: [REDACTED]

Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

WEATHER	BRIGHT SUN	CLEAR	OVERCAST ✓	RAIN	SNOW
TEMPERATURE	TO 32	23 – 50 ✓	50 – 70	70 – 85	85 UP
WIND	STILL	MODERATE ✓	HIGH	Report No. 098	
HUMIDITY	DRY	MODERATE ✓	HUMID		

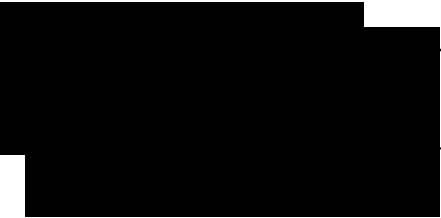
<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>	
Earth Tech	[REDACTED]
USACE –	[REDACTED]
SJB –	[REDACTED]
ARS –	[REDACTED]
<b>EQUIPMENT ON SITE:</b>	
1 - JLG-60' articulated boom (Hertz)	
1 – Track-mounted DPT rig (subcontractor SJB)	
1 – Drill Rig CME-75 (subcontractor SJB)	
2 - Gators (Hertz)	
1 - Forklift	
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>	
Completed 10 borings in IA04C, IA05A, and IA10.	
ARS - 52 core sleeves screened; 0 swipes counted; analyzed, via Gamma spec, 60 samples, prepped 70, and de-prepped 0 samples.	
Performed building stack surveys.	
Patched asphalt (soil boring locations).	



**DATE:** November 7, 2007

**WEEK ENDING:** November 9, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office).
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office).
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
<b>SPECIAL NOTES:</b>
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY 

TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: Thursday November 8, 2007

Week ending: November 9, 2007

USACE Project Manager: [REDACTED]

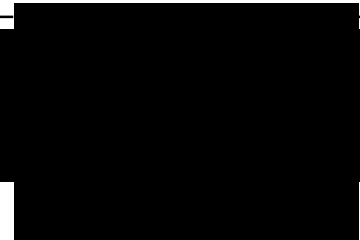
Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

WEATHER	BRIGHT SUN	CLEAR	OVERCAST ✓	RAIN	SNOW
TEMPERATURE	TO 32	23 – 50 ✓	50 – 70	70 – 85	85 UP
WIND	STILL	MODERATE ✓	HIGH	Report No. 099	
HUMIDITY	DRY	MODERATE ✓	HUMID		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>
Earth Tech [REDACTED]
USACE – [REDACTED]
ARS – [REDACTED]
<b>EQUIPMENT ON SITE:</b>
1 - JLG-60' articulated boom (Hertz)
2 - Gators (Hertz)
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>
Completed 0 borings.
ARS - 28 core sleeves screened; 0 swipes counted; analyzed, via Gamma spec, 0 samples, prepped 0, and de-prepped 0 samples.
Performed building stack surveys.
Patched asphalt (soil boring locations).

DATE: November 8, 2007WEEK ENDING: November 9, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office).
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office).
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
<b>SPECIAL NOTES:</b>
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: Friday November 9, 2007

Week ending: November 9, 2007

USACE Project Manager: [REDACTED]

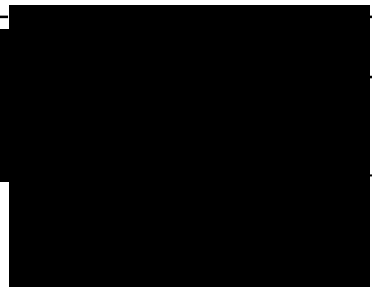
Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

WEATHER	BRIGHT SUN	CLEAR	OVERCAST ✓	RAIN	SNOW
TEMPERATURE	TO 32	23 – 50 ✓	50 – 70	70 – 85	85 UP
WIND	STILL	MODERATE ✓	HIGH	Report No. 100	
HUMIDITY	DRY	MODERATE ✓	HUMID		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>	
Earth Tech	[REDACTED]
USACE –	[REDACTED]
ARS –	[REDACTED]
<b>EQUIPMENT ON SITE:</b>	
1 - JLG-60' articulated boom (Hertz)	
2 - Gators (Hertz)	
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>	
ARS - 1 core sleeves screened; 175 swipes counted; analyzed, via Gamma spec, 0 samples, prepped 0, and de-prepped 0 samples.	
Performed miscellaneous building and equipment surveys.	
Continued demobilization activities.	

DATE: November 9, 2007WEEK ENDING: November 9, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office).
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office).
Completed weekly health and safety audit (logs on file in field office).
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
<b>SPECIAL NOTES:</b>
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY TITLE Site Supervisor

**A - E Daily Quality  
Control Summary Report  
(DQCSR)**

Date: Monday November 12, 2007

Week ending: November 16, 2007

USACE Project Manager: [REDACTED]

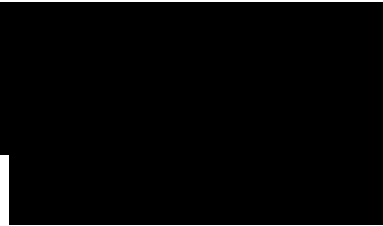
Earth Tech Project No.: 100657  
Contract No.: W912P4-05-D-0001  
Task Order No: 003

WEATHER	BRIGHT SUN	CLEAR	OVERCAST ✓	RAIN	SNOW
TEMPERATURE	TO 32	23 – 50 ✓	50 – 70	70 – 85	85 UP
WIND	STILL	MODERATE ✓	HIGH	Report No. 101	
HUMIDITY	DRY	MODERATE ✓	HUMID		

<b>PERSONNEL &amp; SUBCONTRACTORS ON SITE:</b>
Earth Tech [REDACTED]
USACE – [REDACTED]
ARS – [REDACTED]
<b>EQUIPMENT ON SITE:</b>
2 - Gators (Hertz)
<b>WORK PERFORMED (INCLUDING SAMPLING):</b>
ARS - 1 core sleeves screened; 175 swipes counted; analyzed, via Gamma spec, 0 samples, prepped 0, and de-prepped 0 samples.
Performed miscellaneous building and equipment surveys.
Continued demobilization activities.
Started monitoring well sampling activity.

DATE: November 12, 2007WEEK ENDING: November 16, 2007

<b>QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):</b>
Daily performance checks performed on radiological equipment (logs on file in field office).
<b>HEALTH AND SAFETY ACTIVITIES:</b>
Tailgate safety briefing (logs on file in field office).
<b>PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:</b>
<b>SPECIAL NOTES:</b>
<b>EXPECTATIONS FOR NEXT WEEK:</b>

BY TITLE Site Supervisor

## APPENDIX B.2 - DATA VERIFICATION ELEMENTS, GUTERL STEEL RI

### B.2 Data Verification

The data verification process consists of review of the data to confirm that the data and deliverables generated were those requested, and were consistent with the requirements of the project plans. The data verification process is described in general terms in Exhibit B.2-1; and the results of the verification are summarized on Table Exhibit B.2-1.

The following sections discuss specific items reviewed and as well as significant anomalies, if any, that may affect data quality or usability.

It should be noted that data verification is not data validation. The verification does not include review of raw data or checking calculations or transcription of results.

#### B.2.1 Shipping/Custody/Documentation

All samples were shipped under chain-of-custody, and a sample log-in sheet was completed by TestAmerica for all samples; copies of the documentation are included in each data package. A summary of the samples collected (cross-referencing the laboratory and field IDs)

In a few cases, errors were made in the field in the designation of analytical parameters.

- Two aqueous field blanks associated with soil samples (FB-901 and FB-903) for alpha spectroscopy analysis were only designated for isotopic thorium analysis; isotopic uranium analysis (which should have been included) was not requested and not performed.
- The aqueous field blank associated with the background soil samples was not initially designated for all the analytical parameters for which the environmental samples were analyzed. This omission was noted after the samples had been shipped to the laboratory, and the missing analyses (isotopic uranium by ICP-MS and radium) were requested. TestAmerica added the ICP-MS analysis to the log-in for the sample after being requested to do so by Earth Tech. However, there was insufficient volume for the laboratory to perform the radium analysis on the field blank.

There was one case of the laboratory not performing the requested analysis on the samples.

- Samples in SDG F7L210246 were designated for long-count alpha spectroscopy analysis; however, TestAmerica only performed the standard (short count) analysis. This error was noticed by Earth Tech when the data were received. TestAmerica then re-logged the samples for long-count analysis as SDG F8D190143. As there is no holding time for alpha spectroscopy U and Th analysis of soil samples, the quality of the data is not affected by the delay.

#### B.2.2 Deliverables.

Due to a communication error, the laboratory initially provided summary data packages. However, the TestAmerica summary packages are reasonably comprehensive and include field and laboratory custody and log-in information; case narrative; sample ID cross-references; methodology summary; laboratory QC sample results (duplicates, LCS, method blanks); reporting limits and minimum detectable concentrations; dilution factor; yield and recovery (as applicable); and QC acceptance criteria. Data verification was performed on these summary packages. TestAmerica has since generated full level IV data packages (which include raw data) for all data submitted.



### B.2.3 Laboratory QC.

While full evaluation of laboratory QC is beyond the scope of this verification, the data packages were reviewed to verify that the laboratory QC was present, and checked that any anomalies or non-conformance issues were noted. The results of this verification review are summarized on the attached Table Exhibit B.2-1.

- **Method Blanks.** Blanks for gamma spectroscopy, gross alpha/beta, and isotopic U by ICP-MS were generally free of detectable levels of target analytes. Low levels (greater than the MDC but less than the RL) of various U and Th isotopes were detected in the alpha spectroscopy analyses.  $^{230}\text{Th}$  was most frequently detected, at levels typically in the 0.1 to 0.2 pCi/g range. However,  $^{228}\text{Th}$  and  $^{232}\text{Th}$  were also detected sporadically in blanks, as were  $^{234}\text{U}$  and  $^{238}\text{U}$ . The activities detected of the alpha spectroscopy isotopes were well below the acceptance limit (less than the RL of 1.0 pCi/g); however, the presence of these isotopes in method blanks and some field blanks does indicate that low-level (less than the RL) activities reported in alpha spectroscopy data may be biased high or false positives.
- **Laboratory Duplicates.** TestAmerica has no specific numerical criteria for laboratory duplicate precision; however, a criterion of 30 percent (based on the DoD QSM version 3 criterion) to 40 percent (Guterl SAP Volume 2 [QAPP] Table 3-3) was used as guidance for assessing the laboratory duplicates. Review of the laboratory duplicate results indicates that precision was relatively good. For analytes detected above the RL, the relative percent difference was generally below 30 percent. The laboratory also calculated RPD values for non-detected results; due to this fact, some very high RPD values are shown on the "Laboratory Duplicate Results" forms. However, the RPD is not meaningful where the analyte is not present ("U" qualifier) in one or both analyses.
- **Laboratory Control Samples.** LCS recoveries were acceptable (i.e., within the laboratory's in-house recovery criteria) for all analyses reported. However, not all target isotopes were constituents of the LCS samples.

### B.2.3 Data Comparability

In several cases, the same isotope was analyzed by more than one method. These data are generally discussed within Section 4 of the RI report. In addition, a comparability assessment is presented in this appendix for:

- U isotopes by alpha spectroscopy and ICP-MS; these data are summarized on Table B.2.4-1 (high activity samples) and B.2.4-2 (background soil samples)
  - For the high concentration data,  $^{234}\text{U}$  data are in excellent agreement (RPD less than 31 in 11 of 12 samples. For  $^{235/6}\text{U}$ , data are in reasonably good agreement, with RPDs ranging from 3 to 56 percent in 11 of 12 samples.  $^{238}\text{U}$  data are in good agreement, with RPDs less than 25 percent in 10 of 12 samples. For all three uranium isotopes, very poor precision (RPD greater than 100 percent) was noted in the average reported value for B03SL-014-05. The agreement between the alpha spectroscopy data for this sample is very poor. When the ICP-MS data are compared to the lower of the two alpha spectroscopy values, the results are in good agreement (RPDs ranging from about 8 to 11 percent). Based on this evaluation, it appears that the second (higher) of the alpha spectroscopy results is not representative of the sample activity.
  - For the background soil data (Table B.2.4-2), the agreement is not good when expressed quantitatively. The  $^{238}\text{U}$  values (after conversion from mass to activity basis) reported in ICP-MS data are consistently lower (about one-third to one-half) the alpha spectroscopy

data. The ICP-MS analysis was not sensitive enough to detect  $^{234}\text{U}$ , and detected  $^{235}\text{U}$  inconsistently (in about half the samples).

- U and Th isotopes by long count and short count ("standard count") alpha spectroscopy; these data are summarized on Tables B.2.4-3 (Th) and B.2.4-4 (U). The precision of the data was evaluated in two ways: by RPD, and also by whether or not the reported values, plus/minus the uncertainty (2 sigma), overlapped.
  - Precision of the thorium isotope data was only fair. RPDs were greater than 50 percent in 16 of the 36 sample pairs in which it could be calculated (it was not calculable in three sample pairs), and the results did not overlap in 11 of the 39 pairs. In general, precision for  $^{230}\text{Th}$  appears better than for  $^{228}\text{Th}$  or  $^{232}\text{Th}$ . Precision for sample A05-BSL-301-5 was particularly poor, with RPDs greater than 100 percent, with no overlap of results, for all three isotopes.
  - Uranium isotope precision was better, with RPDs between the short and long count results below 50 percent in 33 of 39 pairs (precision was very poor for A05-BSL-301-5 for uranium also). Ironically, there were more uranium pairs with no overlap (12 of 39), largely due to the fact that the counting precision was good (uncertainty at 2 sigma typically 10 to 15 percent); two samples with RPDs less than 30 percent did not overlap.
- Offsite gamma spectroscopy data for  $^{238}\text{U}$  were not used; see discussion in RI Section 3.3.3.1.

#### B.2.5 Field Duplicates.

As specified in the project plans, field duplicates were collected and submitted at an approximate frequency of one per 20 environmental samples. A summary list of the individual field duplicate samples collected is provided as RI Table 3.13-1; field duplicates results are presented in the Appendix B Tables B.2.5-1 through B.2.5-12, as noted below. As with the long and short count alpha spectroscopy data, the field duplicates were assessed both by RPD and by overlap.

- Table B.2.5-1 –  $^{234}\text{U}$  in solids and water samples by alpha spectroscopy. Water data were in very good agreement; all 10 calculable RPDs were less than 30 percent and all 11 pairs overlapped. Solid data were in reasonably good agreement; RPDs were less than 100 percent in all 17 sample pairs; less than 50 percent in 16 of 17 pairs; and less than 30 percent in 13 of 17 pairs. Data overlapped in 14 of 17 samples (all except the three samples with RPDs greater than 40 percent).
- Table B.2.5-2 –  $^{235/6}\text{U}$  in solids and water samples by alpha spectroscopy. Detected activities in these samples was low, with almost all detected values less than the reporting limit (but greater than the MDC) in all 11 water sample pairs, and in 13 of the 17 solid sample pairs. Water RPDs ranged from 6 to 34 percent in the six pairs it was calculable; and solid sample RPDs range from 9 to 79 percent in the 15 samples in which it was calculable, with RPDs less than 30 percent in 9 of those 15. All solid and water pairs overlapped.
- Table B.2.5-3 –  $^{238}\text{U}$  in solids and water samples by alpha spectroscopy. Precision for  $^{238}\text{U}$  was very similar to that for  $^{234}\text{U}$ . Water sample precision was good with values ranging from 7 to 37 percent (and only one RPD greater than 25), with all sample data overlapping. Solid data were in reasonably good agreement; RPDs were less than 100 percent in all 17 sample pairs; less than 50 percent in 16 of 17 pairs; and less than 30 percent in 14 of 17 pairs. Data overlapped in 14 of 17 samples (all except the three samples with RPDs greater than 50 percent).
- Table B.2.5-4 –  $^{228}\text{Th}$  in solids and water samples by alpha spectroscopy. Water data were in very good agreement; all 4 calculable RPDs were less than 12 percent and all 11 pairs overlapped. Solid data were in reasonably good agreement; RPD was greater than 100 percent in

one sample pair; but less than 50 percent in 16 of 17 pairs; and less than 30 percent in 12 of 17 pairs. Data overlapped in 15 of 17 samples (all except two of the three samples with the highest RPDs).

- Table B.2.5-5 –  $^{230}\text{Th}$  in solids and water samples by alpha spectroscopy. Detected activities in these samples was low, with almost all detected values less than the reporting limit (but greater than the MDC) in all 11 water sample pairs, and in 12 of the 17 solid sample pairs. Water RPDs ranged from 0 to 90 percent in the seven pairs it was calculable; and solid sample RPDs ranged from 7 to 60 percent (RPDs were calculable in all 17 sample pairs), with RPDs less than 50 percent in 15 pairs. All solid and water pairs overlapped.
- Table B.2.5-6 –  $^{232}\text{Th}$  in solids and water samples by alpha spectroscopy. Detected activities in these samples was low, with almost all detected values less than the reporting limit (but greater than the MDC) in all 11 water sample pairs, and in 12 of the 17 solid sample pairs. Water RPDs were not calculable in any of the 11 sample pairs, although all pairs overlapped. Solid sample RPDs ranged from 1 to 23 percent in 15 samples (RPDs were calculable in all 17 sample pairs), with one RPDs of 125 percent and one of 55 percent. With the exception of sediment sample A08-B6-SD-002 (the sample with the 125 percent RPD), the remaining 16 of the 17 solid pairs overlapped.
- Table B.2.5-7 –  $^{226}\text{Ra}$  in water and solids by gas flow proportional counting (GFPC; EPA 903) and in solids by gamma spectroscopy. Precision of  $^{226}\text{Ra}$  in water by GFPC was fairly good (all detected values were below the reporting limit of 1 pCi/L); all sample pairs overlapped. Precision of  $^{226}\text{Ra}$  in solids by GFPC was fairly good; RPDs ranged from 4 to 44 percent in the eight sample pairs, and all but one of the sample pairs overlapped. Precision of  $^{226}\text{Ra}$  in solids by gamma spectroscopy was fairly good; RPDs ranged from 3 to 43 percent in the 9 sample pairs (out of 12) in which it was calculable, and all but one of the sample pairs overlapped.
- Table B.2.5-8 –  $^{228}\text{Ra}$  in solids by gas flow proportional counting (EPA 904) and gamma spectroscopy. Precision of  $^{228}\text{Ra}$  in water by GFPC was fairly good (RPD values were 2 and 31 percent in the two samples in which it could be calculated; all sample pairs overlapped. Precision of  $^{228}\text{Ra}$  in solids by GFPC was fairly good; RPDs ranged from 2 to 35 percent in the four (out of eight) sample pairs, and all but one of the sample pairs overlapped. Precision of  $^{228}\text{Ra}$  in solids by gamma spectroscopy was fairly good; RPDs ranged from 2 to 44 percent in the 8 sample pairs (out of 12) in which it was calculable, and all 12 sample pairs overlapped.
- Table B.2.5-9 –  $^{235}\text{U}$  and  $^{238}\text{U}$  in solids by gamma spectroscopy. Precision of  $^{235}\text{U}$  in solids by gamma spectroscopy was fairly good; RPDs were 10 and 41 percent in the two sample pairs (out of 12) in which it was calculable, and 11 of 12 duplicate pairs overlapped. Precision of  $^{238}\text{U}$  was also fairly good; RPDs ranged from 4 to 56 percent in the 5 sample pairs (out of 12) in which it was calculable, and were less than 25 percent in four of the five. The  $^{238}\text{U}$  sample ranges overlapped in 10 of the 12 pairs (all except the two highest activity sample pairs; one of which had an RPD of only 23 percent).
- Table B.2.5-10 –  $^{232}\text{Th}$  in solids by gamma spectroscopy. Precision of  $^{232}\text{Th}$  in solids by gamma spectroscopy was fairly good; RPDs ranged from 2 to 19 percent in the eight sample pairs (out of 12) in which it was calculable, and all 12 duplicate pairs overlapped.
- Table B.2.5-11 – Gross alpha/beta radiation in water samples by EPA 9310-Mod. RPDs for gross alpha ranged from 8 to 28 percent in the four (out of eight) samples in which it was calculable, and all eight pairs overlapped. Gross beta precision was calculable in only two of eight pairs (46 and 52 percent RPD); all values overlapped.
- Table B.2.5-12 – Total suspended solids in water. Two field duplicate pairs of unfiltered samples from each round (four groundwater samples total) were analyzed for TSS. Precision, as RPD,

was poor; RPDs were greater than 100 percent in two of the four pairs and greater than 50 percent in a third pair.

#### B.2.6 Sampling Completeness.

Sampling completeness, as measured by number of locations actually sampled compared to the planned number of locations, was evaluated on a matrix or medium-specific basis.

- Soil borings. Soil boring completeness is presented in RI Table 3.7.2-2, and is 100 percent (or greater) based on the total number of sample locations compared to the actual number of primary sample locations sampled. Completeness for each exterior area (IA02 through IA 10) was 100 percent or greater, and was also 100 percent or greater for building interior areas (with the exception of Building 1, at which the one planned sample was not collected). All 12 background sample locations were sampled.
- Surface Water/Sediment. Surface water/sediment sample completeness is presented in RI Table 3.9-1, and is 100 percent or greater for each area. Sediment sample collection completeness was 100 percent. Surface water samples were not collected at all planned areas (IA03, Building 6, and Building 24) as surface water was not present in these areas (see RI section 3.10.1), but was 100 percent complete at the remainder of the areas.
- Groundwater. It was planned to collect two rounds of samples from 30 groundwater monitoring wells (22 existing wells and 8 new monitoring wells). At the time of the first round of groundwater sampling, one of the new monitoring wells had not yet been completed; so only 29 wells were sampled. All 30 wells were sampled in round 2, and filtered and unfiltered samples were collected as planned. Sampling completeness was therefore greater than 98 percent over the two rounds (59 of 60 planned samples collected).
- Other issues related to field sampling (and deviations from the field sampling plan) are summarized in RI Table 3-1 and discussed within the applicable text sections of RI Section 3.

TABLE B.2.4-1  
Alpha Spectroscopy and ICP-MS Data Comparison for Isotopic Uranium - High Activity Samples  
REMEDIAL INVESTIGATION FORMER GUTERL SPECIALTY STEEL CORPORATION FUSRAP SITE

Sample ID	<sup>234</sup> U - alpha spec (pCi/g)							ICP-MS <sup>234</sup> U		RPD ICP-a-spec	
	1	2	3	4	range-min	range-max	avg	pCi/g	ug/g		
A02SL-028-01 <sup>3</sup>	86	46	68	85	46	86	71.3	68.3	0.011	4.2%	
A03SL-217-13	105	152			105	152	128.5	142.8	0.023	10.5%	
A04ASL-051-01	174	232			174	232	203	149	0.024	30.7%	
A04ASL-214-05	190	213			190	213	201.5	229.7	0.037	13.1%	
A04ASL-278-10	329	356			329	356	342.5	291.8	0.047	16.0%	
A05SL-301-01	4200	4000			4000	4200	4100	4595	0.74	11.4%	
B03SL-014-05	2040	352			352	2040	1196	391.2	0.063	101.4%	Note 1
B03SL-016-05	61.5	59.9			59.9	61.5	60.7	55.8	0.009	8.4%	
B03SL-037-01	2.14	2.11			2.11	2.14	2.13	0	0	NC	Note 2
B08SL-003-01	3530	3040			3040	3530	3285	3415	0.55	3.9%	
B08SL-015-09	1650	1400			1400	1650	1525	1676	0.27	9.4%	
B08SL-017-01	17100	20100			17100	20100	18600	18600	3.0	0.0%	

Sample ID	<sup>235/6</sup> U - alpha spec (pCi/g)							ICP-MS <sup>235/6</sup> U			RPD ICP-a-spec	
	1	2	3	4	range-min	range-max	avg	pCi/g	235 ug/g	236 ug/g		
A02SL-028-01 <sup>3</sup>	6	4.7	4.5	11.4	4.5	11.4	6.65	5.6	2.1	0.017	17.1%	
A03SL-217-13	3.4	4.5			3.4	4.5	3.95	5.83	2.7	0	38.4%	
A04ASL-051-01	9.4	6.6			6.6	9.4	8	6.27	2.9	0	24.2%	
A04ASL-214-05	11.8	8			8	11.8	9.9	8.86	4.1	0	11.1%	
A04ASL-278-10	17.2	18.8			17.2	18.8	18	11.7	5.4	0	42.4%	
A05SL-301-01	245	205			205	245	225	200.1	92	0.021	11.7%	
B03SL-014-05	126	16.7			16.7	126	71.4	15.3	7.1	0	129.4%	Note 1
B03SL-016-05	4.1	2.99			2.99	4.1	3.55	2.0	0.94	0	55.7%	
B03SL-037-01	0.088	0.124			0.088	0.124	0.106	0.07	0.033	0	40.9%	
B08SL-003-01	185	161			161	185	173	127.5	59	0	30.3%	
B08SL-015-09	77	59			59	77	68	70.1	32	0.015	3.0%	
B08SL-017-01	1090	990			990	1090	1040	726	336	0.006	35.6%	

TABLE B.2.4-1  
Alpha Spectroscopy and ICP-MS Data Comparison for Isotopic Uranium - High Activity Samples  
REMEDIAL INVESTIGATION FORMER GUTERL SPECIALTY STEEL CORPORATION FUSRAP SITE

Sample ID	<sup>238</sup> U - alpha spec (pCi/g)							ICP-MS <sup>238</sup> U		RPD ICP-a-spec
	1	2	3	4	range-min	range-max	avg	pCi/g	238 ug/g	
A02SL-028-01 <sup>3</sup>	314	178	232	370	178	370	273.5	284.6	847	4.0%
A03SL-217-13	105	167			105	167	136	163.3	486	18.2%
A04ASL-051-01	186	130			130	186	158	150.2	447	5.1%
A04ASL-214-05	182	244			182	244	213	224.8	669	5.4%
A04ASL-278-10	325	389			325	389	357	349.4	1040	2.2%
A05SL-301-01	4550	4230			4230	4550	4390	5208	15500	17.0%
B03SL-014-05	2060	348			348	2060	1204	376.3	1120	104.8%
B03SL-016-05	60.6	67.2			60.6	67.2	63.9	32.6	97	64.9%
B03SL-037-01	2.34	2.03			2.03	2.34	2.19	1.71	5.1	24.4%
B08SL-003-01	3380	3130			3130	3380	3255	2923	8700	10.7%
B08SL-015-09	1660	1540			1540	1660	1600	1744	5190	8.6%
B08SL-017-01	15800	20600			15800	20600	18200	16800	50000	8.0%

Note 1

**Notes:**

For alpha spec data, the first result listed is the long count result, and the second result is the short count.

Highlighted data are suspect (high bias) based on comparison to ICP-MS results.

ICP-MS data converted to activity using calculator at [www.radprocalculator.com](http://www.radprocalculator.com).

1. High RPDs are based on ICP-MS compared to the average value. RPDs based on low alpha spec result are 10.5 (U234), 8.7 (U235), and 7.8 (U238)
2. The ICP-MS MDL back-calculates to about 6.2 pCi/g for U234. Therefore the results are in qualitative agreement.
3. A02SL-028-01 was analyzed as a laboratory duplicate; generating two long count results and two short-count results (total four).

ICP/MS = Inductively Coupled Plasma Mass Spectrometry

pCi/g = picocurie per gram

RPD = Relative Percent Difference

µg/g = micrograms per gram

TABLE B.2.4-2  
COMPARISON OF ICP-MS AND ALPHA-SPECTROSCOPY DATA FOR ISOTOPIC URANIUM IN BACKGROUND SOIL SAMPLES  
REMEDIAL INVESTIGATION FORMER GUTERL SPECIALTY STEEL CORPORATION FUSRAP SITE

Sample	ICP-MS Results (µg/g)						Activity conversion (pCi/g)			Alpha Spec results (pCi/g)			
	<sup>233</sup> U	<sup>234</sup> U	<sup>235</sup> U	<sup>236</sup> U	<sup>238</sup> U	Total	<sup>235</sup> U	<sup>238</sup> U	Total	<sup>234</sup> U	<sup>235/6</sup> U	<sup>238</sup> U	Total
BKGSL-001-01	U	U	0.0059	U	0.88	0.89	0.013	0.296	0.309	0.70	0.026	0.72	1.44
BKGSL-001-02	U	U	U	U	0.63	0.63		0.212	0.212	0.66	0.024	0.61	1.29
BKGSL-002-01	U	U	0.0063	U	0.95	0.96	0.014	0.319	0.333	0.89	0.025	0.75	1.67
BKGSL-002-04	U	U	U	U	0.46	0.46		0.155	0.155	0.58	ND	0.71	1.29
BKGSL-003-01	U	U	0.0065	U	0.98	0.99	0.014	0.330	0.344	0.80	0.059	0.91	1.77
BKGSL-003-09	U	U	U	U	0.38	0.38		0.128	0.128	0.52	0.032	0.56	1.11
BKGSL-004-01	U	U	0.0072	U	1.1	1.11	0.016	0.370	0.386	0.77	0.039	0.84	1.65
BKGSL-004-02	U	U	0.0059	U	0.90	0.91	0.013	0.302	0.315	0.73	0.048	0.77	1.55
BKGSL-005-01	U	U	0.0060	U	0.92	0.93	0.013	0.309	0.322	0.70	0.059	0.67	1.43
BKGSL-005-02	U	U	U	U	0.68	0.68		0.228	0.228	0.65	ND	0.63	1.28
BKGSL-006-01	U	U	0.0054	U	0.81	0.82	0.012	0.272	0.284	0.74	0.024	0.79	1.55
BKGSL-006-03	U	U	U	U	0.71	0.71		0.239	0.239	0.82	0.044	0.81	1.67
BKGSL-007-01	U	U	0.0053	U	0.78	0.79	0.011	0.262	0.273	0.66	0.029	0.77	1.46
BKGSL-007-04	U	U	U	U	0.41	0.41		0.138	0.138	0.49	0.022	0.53	1.04
BKGSL-008-01	U	U	0.0054	U	0.82	0.83	0.012	0.276	0.288	0.78	ND	0.69	1.47
BKGSL-008-03	U	U	U	U	0.52	0.52		0.175	0.175	0.67	0.018	0.56	1.25
BKGSL-009-01	U	U	0.0064	U	0.93	0.94	0.014	0.312	0.326	0.79	0.069	1.06	1.92
BKGSL-009-03	U	U	U	U	0.57	0.57		0.192	0.192	0.77	0.056	0.77	1.60
BKGSL-010-01	U	U	0.0064	U	0.97	0.98	0.014	0.326	0.340	0.93	0.029	0.86	1.82
BKGSL-010-03	U	U	U	U	0.51	0.51		0.171	0.171	0.64	0.039	0.73	1.41
BKGSL-011-01	U	U	0.0054	U	0.83	0.84	0.012	0.279	0.291	0.82	0.053	0.85	1.72
BKGSL-011-08	U	U	U	U	0.37	0.37		0.124	0.124	0.44	ND	0.46	0.90
BKGSL-012-01	U	U	0.0060	U	0.91	0.92	0.013	0.306	0.319	0.75	0.023	0.91	1.68
BKGSL-012-04	U	U	U	U	0.64	0.64		0.215	0.215	0.69	0.035	0.76	1.49

**Notes:**

U = Not detected (ICP-MS Data)

ND = Not detected (alpha spectroscopy data)

pCi/g = picocurie per gram

TABLE B.2.4-3  
COMPARISON OF LONG-COUNT VS. SHORT-COUNT ALPHA SPECTROSCOPY DATA  
REMEDIAL INVESTIGATION FORMER GUTERL SPECIALTY STEEL CORPORATION FUSRAP SITE

Sample ID	Sample Date	Parameter	Long Count results			Short Count Result			Precision Assessment					Do Results Overlap?
			Result	Error	MDC	Result	Error	MDC	RPD	Long Count Range		Short Count Range		
Thorium isotopes in solids by alpha spectroscopy (pCi/g)										Min	Max			
A02SL-028-01	9/24/2007	Thorium 228	2.47	0.49	0.16	2.61	0.39	0.05	5.5%	1.98	2.96	2.22	3.0	Overlaps
A02SL-028-01	9/24/2007	Thorium 230	0.94	0.29	0.12	0.83	0.19	0.03	12.4%	0.65	1.23	0.64	1.02	Overlaps
A02SL-028-01	9/24/2007	Thorium 232	2.4	0.48	0.13	2.63	0.39	0.06	9.1%	1.92	2.88	2.24	3.02	Overlaps
A02SL-028-01-LD	9/24/2007	Thorium 228	1.91	0.36	0.11	3.74	0.54	0.09	64.8%	1.55	2.27	3.2	4.28	No Overlap
A02SL-028-01-LD	9/24/2007	Thorium 230	0.42	0.16	NR	1.12	0.26	0.06	90.9%	0.26	0.58	0.86	1.38	No Overlap
A02SL-028-01-LD	9/24/2007	Thorium 232	1.82	0.35	0.06	3.51	0.52	0.06	63.4%	1.47	2.17	2.99	4.03	No Overlap
A03SL-217-13	10/24/2007	Thorium 228	0.46	0.68	1.1	0.38	0.15	0.10	NC	-0.22	1.14	0.23	0.53	Overlaps
A03SL-217-13	10/24/2007	Thorium 230	0.49	0.56	0.78	0.27	0.12	0.07	NC	-0.07	1.05	0.15	0.39	Overlaps
A03SL-217-13	10/24/2007	Thorium 232	0.08	0.25	0.59	0.31	0.13	0.04	NC	-0.17	0.33	0.18	0.44	Overlaps
A04ASL-051-01	9/5/2007	Thorium 228	0.8	0.33	0.25	1.84	0.34	0.09	78.8%	0.47	1.13	1.5	2.18	No Overlap
A04ASL-051-01	9/5/2007	Thorium 230	0.56	0.27	0.16	0.76	0.2	0.06	30.3%	0.29	0.83	0.56	0.96	Overlaps
A04ASL-051-01	9/5/2007	Thorium 232	0.99	0.36	0.14	1.71	0.32	0.06	53.3%	0.63	1.35	1.39	2.03	No Overlap
A04ASL-214-05	10/25/2007	Thorium 228	0.68	0.24	0.19	0.8	0.21	0.11	16.2%	0.44	0.92	0.59	1.01	Overlaps
A04ASL-214-05	10/25/2007	Thorium 230	0.6	0.22	0.09	0.86	0.22	0.06	35.6%	0.38	0.82	0.64	1.08	Overlaps
A04ASL-214-05	10/25/2007	Thorium 232	0.68	0.23	0.05	0.54	0.17	0.06	23.0%	0.45	0.91	0.37	0.71	Overlaps
A04ASL-278-10	10/25/2007	Thorium 228	0.35	0.2	0.19	1.05	0.25	0.08	100.0%	0.15	0.55	0.8	1.3	No Overlap
A04ASL-278-10	10/25/2007	Thorium 230	0.92	0.31	0.14	0.91	0.23	0.07	1.1%	0.61	1.23	0.68	1.14	Overlaps
A04ASL-278-10	10/25/2007	Thorium 232	0.56	0.24	0.15	0.95	0.24	0.06	51.7%	0.32	0.8	0.71	1.19	Overlaps
A05ASL-301-01	11/9/2007	Thorium 228	225	21	0.6	45.3	7.2	1.1	133.0%	204	246	38.1	52.5	No Overlap
A05ASL-301-01	11/9/2007	Thorium 230	42.1	5.2	0.5	8.3	2.7	0.9	134.1%	36.9	47.3	5.6	11	No Overlap
A05ASL-301-01	11/9/2007	Thorium 232	214	20	0.4	39.5	6.6	0.5	137.7%	194	234	32.9	46.1	No Overlap
B03SL-014-05	10/30/2007	Thorium 228	0.41	0.14	0.1	0.72	0.19	0.08	54.9%	0.27	0.55	0.53	0.91	Overlaps
B03SL-014-05	10/30/2007	Thorium 230	0.43	0.14	0.03	0.69	0.18	0.05	46.4%	0.29	0.57	0.51	0.87	Overlaps
B03SL-014-05	10/30/2007	Thorium 232	0.3	0.12	0.06	0.82	0.2	0.03	92.9%	0.18	0.42	0.62	1.02	No Overlap
B03SL-016-05	10/30/2007	Thorium 228	1	0.28	0.15	1.39	0.31	0.12	32.6%	0.72	1.28	1.08	1.7	Overlaps
B03SL-016-05	10/30/2007	Thorium 230	1.3	0.31	0.04	1.24	0.28	0.07	4.7%	0.99	1.61	0.96	1.52	Overlaps
B03SL-016-05	10/30/2007	Thorium 232	1.11	0.29	0.09	1.19	0.28	0.06	7.0%	0.82	1.4	0.91	1.47	Overlaps
B03SL-037-01	10/30/2007	Thorium 228	0.78	0.2	0.08	0.86	0.22	0.1	9.8%	0.58	0.98	0.64	1.08	Overlaps
B03SL-037-01	10/30/2007	Thorium 230	1.01	0.23	0.03	0.79	0.2	0.08	24.4%	0.78	1.24	0.59	0.99	Overlaps
B03SL-037-01	10/30/2007	Thorium 232	0.83	0.2	0.05	0.77	0.2	0.05	7.5%	0.63	1.03	0.57	0.97	Overlaps
B08SL-003-01	10/30/2007	Thorium 228	1.47	0.38	0.2	1.57	0.29	0.1	6.6%	1.09	1.85	1.28	1.86	Overlaps
B08SL-003-01	10/30/2007	Thorium 230	2.27	0.48	0.1	2.27	0.37	0.03	0.0%	1.79	2.75	1.9	2.64	Overlaps
B08SL-003-01	10/30/2007	Thorium 232	1.86	0.43	0.1	1.36	0.27	0.03	31.1%	1.43	2.29	1.09	1.63	Overlaps
B08SL-015-09	10/30/2007	Thorium 228	1.57	0.67	0.31	2.67	0.44	0.1	51.9%	0.9	2.24	2.23	3.11	Overlaps
B08SL-015-09	10/30/2007	Thorium 230	1.08	0.58	0.47	1.39	0.29	0.06	25.1%	0.5	1.66	1.1	1.68	Overlaps
B08SL-015-09	10/30/2007	Thorium 232	1.28	0.63	0.47	2.54	0.42	0.06	66.0%	0.65	1.91	2.12	2.96	No Overlap
B08SL-017-01	10/30/2007	Thorium 228	0.48	0.17	0.11	0.88	0.24	0.09	58.8%	0.31	0.65	0.64	1.12	Overlaps
B08SL-017-01	10/30/2007	Thorium 230	7.93	0.92	0.03	9.1	1	0.04	13.7%	7.01	8.85	8.1	10.1	Overlaps
B08SL-017-01	10/30/2007	Thorium 232	0.4	0.15	0.07	0.62	0.19	0.07	43.1%	0.25	0.55	0.43	0.81	Overlaps

NC = Not Calculable (result less than MDC in one or both analyses).



TABLE B.2.4-4  
COMPARISON OF LONG-COUNT VS. SHORT-COUNT ALPHA SPECTROSCOPY DATA FOR URANIUM ISOTOPES  
REMEDIAL INVESTIGATION FORMER GUTERL SPECIALTY STEEL CORPORATION FUSRAP SITE

Sample ID	Sample Date	Parameter	Long Count results			Short Count Result			Precision Assessment					Do Results Overlap?
			Result	Error	MDC	Result	Error	MDC	RPD	Long Count Range		Short Count Range		
Uranium isotopes in solids by alpha spectroscopy (pCi/g)														
A02SL-028-01	9/24/2007	Uranium 234	86	10	1	46	10	3	60.6%	76	96	36	56	No overlap
A02SL-028-01	9/24/2007	Uranium 235/236	6	2.3	1.2	4.7	3.5	3	24.3%	3.7	8.3	1.2	8.2	Overlaps
A02SL-028-01	9/24/2007	Uranium 238	314	30	0.4	178	24	4	55.3%	284	344	154	202	No overlap
A02SL-028-01-LD	9/24/2007	Uranium 234	55.4	7.6	1.1	85	14	2	42.2%	47.8	63	71	99	No overlap
A02SL-028-01-LD	9/24/2007	Uranium 235/236	4.5	2	0.6	11.4	5.2	2.5	86.8%	2.5	6.5	6.2	16.6	Overlaps
A02SL-028-01-LD	9/24/2007	Uranium 238	232	23	0.7	370	41	1	45.8%	209	255	329	411	No overlap
A03SL-217-13	10/24/2007	Uranium 234	105	11	0.7	152	17	1	36.6%	94	116	135	169	No overlap
A03SL-217-13	10/24/2007	Uranium 235/236	3.4	1.4	0.4	4.5	2.2	1.1	27.8%	2	4.8	2.3	6.7	Overlaps
A03SL-217-13	10/24/2007	Uranium 238	105	11	0.5	167	18	0.9	45.6%	94	116	149	185	No overlap
A04ASL-051-01	9/5/2007	Uranium 234	174	18	1	132	15	0.8	27.5%	156	192	117	147	Overlaps
A04ASL-051-01	9/5/2007	Uranium 235/236	9.4	2.6	0.5	6.6	2.6	1	35.0%	6.8	12	4	9.2	Overlaps
A04ASL-051-01	9/5/2007	Uranium 238	186	19	0.8	130	15	0.5	35.4%	167	205	115	145	No overlap
A04ASL-214-05	10/25/2007	Uranium 234	190	21	2	213	26	2	11.4%	169	211	187	239	Overlaps
A04ASL-214-05	10/25/2007	Uranium 235/236	11.8	3.9	1.4	8	4.3	2.3	38.4%	7.9	15.7	3.7	12.3	Overlaps
A04ASL-214-05	10/25/2007	Uranium 238	182	20	1	244	29	1	29.1%	162	202	215	273	No overlap
A04ASL-278-10	10/25/2007	Uranium 234	329	32	0.9	356	41	3	7.9%	297	361	315	397	Overlaps
A04ASL-278-10	10/25/2007	Uranium 235/236	17.2	4.3	0.6	18.8	7.3	2.9	8.9%	12.9	21.5	11.5	26.1	Overlaps
A04ASL-278-10	10/25/2007	Uranium 238	325	32	0.9	389	44	3	17.9%	293	357	345	433	Overlaps
A05ASL-301-01	11/9/2007	Uranium 234	4200	450	30	4000	380	10	4.9%	3750	4650	3620	4380	Overlaps
A05ASL-301-01	11/9/2007	Uranium 235/236	245	76	24	205	46	6	17.8%	169	321	159	251	Overlaps
A05ASL-301-01	11/9/2007	Uranium 238	4550	480	30	4230	390	7	7.3%	4070	5030	3840	4620	Overlaps
B03SL-014-05	10/30/2007	Uranium 234	2040	260	20	352	44	4	141.1%	1780	2300	308	396	No overlap
B03SL-014-05	10/30/2007	Uranium 235/236	126	54	25	16.7	8.2	4.6	153.2%	72	180	8.5	24.9	No overlap
B03SL-014-05	10/30/2007	Uranium 238	2060	260	20	348	44	2	142.2%	1800	2320	304	392	No overlap
B03SL-016-05	10/30/2007	Uranium 234	61.5	7.5	0.8	59.9	6.2	0.3	2.6%	54	69	53.7	66.1	Overlaps
B03SL-016-05	10/30/2007	Uranium 235/236	4.1	1.6	0.9	2.99	0.93	0.28	31.3%	2.5	5.7	2.06	3.92	Overlaps
B03SL-016-05	10/30/2007	Uranium 238	60.6	7.4	1	67.2	6.8	0.2	10.3%	53.2	68	60.4	74	Overlaps
B03SL-037-01	10/30/2007	Uranium 234	2.14	0.33	0.07	2.11	0.34	0.05	1.4%	1.81	2.47	1.77	2.45	Overlaps
B03SL-037-01	10/30/2007	Uranium 235/236	0.088	0.063	0.03	0.124	0.081	0.054	34.0%	0.025	0.151	0.043	0.205	Overlaps
B03SL-037-01	10/30/2007	Uranium 238	2.34	0.35	0.05	2.03	0.33	0.04	14.2%	1.99	2.69	1.7	2.36	Overlaps
B08SL-003-01	10/30/2007	Uranium 234	3530	370	30	3040	290	9	14.9%	3160	3900	2750	3330	Overlaps
B08SL-003-01	10/30/2007	Uranium 235/236	185	60	12	161	37	5	13.9%	125	245	124	198	Overlaps
B08SL-003-01	10/30/2007	Uranium 238	3380	360	20	3130	300	6	7.7%	3020	3740	2830	3430	Overlaps
B08SL-015-09	10/30/2007	Uranium 234	1650	190	20	1400	140	7	16.4%	1460	1840	1260	1540	Overlaps
B08SL-015-09	10/30/2007	Uranium 235/236	77	31	14	59	18	6	26.5%	46	108	41	77	Overlaps
B08SL-015-09	10/30/2007	Uranium 238	1660	190	10	1540	150	4	7.5%	1470	1850	1390	1690	Overlaps
B08SL-017-01	10/30/2007	Uranium 234	17100	1700	50	20100	1800	30	16.1%	15400	18800	18300	21900	Overlaps
B08SL-017-01	10/30/2007	Uranium 235/236	1090	260	60	990	180	30	9.6%	830	1350	810	1170	Overlaps
B08SL-017-01	10/30/2007	Uranium 238	15800	1600	50	20600	1800	20	26.4%	14200	17400	18800	22400	No overlap

TABLE B.2.5-1  
U234-ALPHA SPECTROSCOPY  
REMEDIAL INVESTIGATION FORMER GUTERL SPECIALTY STEEL CORPORATION FUSRAP SITE

Sample ID	Sample Date	Duplicate results			Sample Result			Precision Assessment					Do Ranges Overlap?
		Result	Error	MDC	Result	Error	MDC	RPD	Field Dup Range		Sample Range		
<sup>234</sup> U in solids by alpha spectroscopy (pCi/g)													
A05ASL-031-03-FD	5/21/2008	0.58	0.17	0.05	0.68	0.18	0.05	16%	0.41	0.75	0.50	0.86	Overlaps
A09-SD-008-FD	9/12/2007	0.73	0.19	0.06	0.78	0.22	0.07	7%	0.54	0.92	0.56	1.00	Overlaps
A04BSL-310-07-FD	5/21/2008	0.81	0.2	0.08	0.79	0.19	0.04	3%	0.61	1.01	0.60	0.98	Overlaps
B06-BM-002-FD	10/30/2007	1.04	0.25	0.05	1.40	0.31	0.05	30%	0.79	1.29	1.09	1.71	Overlaps
B06-BM-001-FD	10/30/2007	1.09	0.25	0.06	1.42	0.31	0.05	26%	0.84	1.34	1.11	1.73	Overlaps
A05ASL-020-01-FD	5/21/2008	2.17	0.36	0.05	1.76	0.30	0.06	21%	1.81	2.53	1.46	2.06	Overlaps
A08-A01-SD-006-FD	9/28/2007	1.34	0.28	0.05	1.85	0.35	0.04	32%	1.06	1.62	1.50	2.20	Overlaps
A10SL-303-02-FD	5/21/2008	2.35	0.37	0.07	2.38	0.36	0.05	1%	1.98	2.72	2.02	2.74	Overlaps
A04DSL-023-03-FD	5/21/2008	4.18	0.55	0.06	2.61	0.40	0.06	46%	3.63	4.73	2.21	3.01	No Overlap
B02SL-046-01-FD	5/21/2008	3.74	0.51	0.07	3.60	0.49	0.04	4%	3.23	4.25	3.11	4.09	Overlaps
A02SL-027-01-FD	5/21/2008	5.01	0.61	0.05	5.15	0.63	0.05	3%	4.40	5.62	4.52	5.78	Overlaps
A02SL-703-01-FD	5/21/2008	9.80	1.0	0.03	6.25	0.72	0.04	44%	8.80	10.8	5.53	6.97	No Overlap
B06SL-021-05-FD	5/21/2008	10.2	1.1	0.08	8.99	0.98	0.06	13%	9.10	11.3	8.01	9.97	Overlaps
A08-B3-SD-006-FD	10/1/2007	19.7	2.6	0.07	18.0	2.3	0.05	9%	17.1	22.3	15.7	20.3	Overlaps
A03SL-240-07-FD	5/21/2008	21.8	2.1	0.07	22.4	2.1	0.07	3%	19.7	23.9	20.3	24.5	Overlaps
A08-B6-SD-002-FD	5/21/2008	15.0	1.5	0.05	42.3	6.5	0.60	95%	13.5	16.5	35.8	48.8	No Overlap
A04ASL-224-10-FD	5/21/2008	62.6	5.6	0.07	60.1	5.4	0.06	4%	57	68.2	54.7	65.5	Overlaps
Sample ID	Sample Date	Duplicate results			Sample Result			Precision Assessment					Do Ranges Overlap?
		Result	Error	MDC	Result	Error	MDC	RPD	Field Dup Range		Sample Range		
<sup>234</sup> U in water by alpha spectroscopy (pCi/L)													
A09-SW-008-FD	9/12/2007	0.17	0.13	0.12	0.14	0.13	0.15	NC	0.04	0.30	0.01	0.27	Overlaps
A02MW1-U-FD	8/2/2007	1.43	0.39	0.12	1.32	0.37	0.11	8%	1.04	1.82	0.95	1.69	Overlaps
A02MW1-F-FD	8/2/2007	1.16	0.33	0.12	1.46	0.39	0.14	23%	0.83	1.49	1.07	1.85	Overlaps
A04AMW21-F-FD	8/14/2007	1.57	0.42	0.12	1.69	0.42	0.09	7%	1.15	1.99	1.27	2.11	Overlaps
A04AMW21-U-FD	8/14/2007	1.44	0.39	0.11	1.91	0.48	0.15	28%	1.05	1.83	1.43	2.39	Overlaps
A08-A01-SW-006-FD	9/28/2007	2.66	0.57	0.11	2.82	0.58	0.10	6%	2.09	3.23	2.24	3.4	Overlaps
A04AMW20-F-FD	11/13/2007	4.51	0.84	0.06	3.59	0.68	0.12	23%	3.67	5.35	2.91	4.27	Overlaps
A04AMW20-U-FD	11/13/2007	4.33	0.79	0.11	3.84	0.73	0.11	12%	3.54	5.12	3.11	4.57	Overlaps
A02MW4-U-FD	11/15/2007	18.8	2.6	0.10	17.3	2.4	0.10	8%	16.2	21.4	14.9	19.7	Overlaps
A02MW4-F-FD	11/15/2007	17.5	2.4	0.10	17.9	2.5	0.10	2%	15.1	19.9	15.4	20.4	Overlaps
A08-B3-SW-006-FD	10/1/2007	18.7	2.6	0.10	18.6	2.6	0.10	1%	16.1	21.3	16	21.2	Overlaps

Notes:

All Data in pCi/L or pCi/g, as noted.

MDC = Minimum Detectable Concentration

RPD = Relative Percent Difference

NC = Not Calculable (Result less than MDC in one or both analyses)

TABLE B.2.5-2  
U235-236-ALPHA SPECTROSCOPY  
REMEDIAL INVESTIGATION FORMER GUTERL SPECIALTY STEEL CORPORATION FUSRAP SITE

Sample ID	Sample Date	Duplicate results			Sample Result			Precision Assessment					Do Ranges Overlap?
		Result	Error	MDC	Result	Error	MDC	RPD	Field Dup Range		Sample Range		
<sup>235/6</sup> U in solids by alpha spectroscopy (pCi/g)													
A04BSL-310-07-FD	5/21/2008	0.054	0.054	0.036	0.036	0.042	0.032	40%	0.0	0.108	-0.006	0.078	Overlaps
A08-A01-SD-006-FD	9/28/2007	0.081	0.07	0.068	0.061	0.058	0.054	28%	0.011	0.151	0.003	0.119	Overlaps
B06-BM-002-FD	10/30/2007	0.063	0.063	0.066	0.075	0.074	0.041	NC	0.0	0.126	0.001	0.149	Overlaps
A05ASL-031-03-FD	5/21/2008	0.036	0.049	0.068	0.077	0.065	0.056	NC	-0.013	0.085	0.012	0.142	Overlaps
B06-BM-001-FD	10/30/2007	0.111	0.078	0.054	0.079	0.068	0.058	34%	0.033	0.189	0.011	0.147	Overlaps
A09-SD-008-FD	9/12/2007	0.035	0.047	0.032	0.08	0.073	0.07	78%	-0.012	0.082	0.007	0.153	Overlaps
A05ASL-020-01-FD	5/21/2008	0.097	0.074	0.038	0.087	0.066	0.034	11%	0.023	0.171	0.021	0.153	Overlaps
A10SL-303-02-FD	5/21/2008	0.071	0.062	0.062	0.089	0.069	0.065	23%	0.009	0.133	0.02	0.158	Overlaps
A04DSL-023-03-FD	5/21/2008	0.178	0.0998	0.037	0.141	0.086	0.035	23%	0.0782	0.2778	0.055	0.227	Overlaps
B02SL-046-01-FD	5/21/2008	0.24	0.12	0.07	0.191	0.100	0.034	23%	0.12	0.36	0.091	0.291	Overlaps
A02SL-027-01-FD	5/21/2008	0.26	0.11	0.03	0.30	0.13	0.04	14%	0.15	0.37	0.17	0.43	Overlaps
A02SL-703-01-FD	5/21/2008	0.53	0.17	0.06	0.31	0.12	0.05	52%	0.36	0.7	0.19	0.43	Overlaps
B06SL-021-05-FD	5/21/2008	0.68	0.20	0.07	0.38	0.15	0.04	57%	0.48	0.88	0.23	0.53	Overlaps
A08-B3-SD-006-FD	10/1/2007	0.93	0.25	0.06	1.02	0.26	0.03	9%	0.68	1.18	0.76	1.28	Overlaps
A03SL-240-07-FD	5/21/2008	1.25	0.29	0.06	1.14	0.26	0.05	9%	0.96	1.54	0.88	1.4	Overlaps
A08-B6-SD-002-FD	5/21/2008	0.95	0.24	0.06	2.2	1.1	0.3	79%	0.71	1.19	1.1	3.3	Overlaps
A04ASL-224-10-FD	5/21/2008	3.01	0.54	0.05	2.56	0.49	0.08	16%	2.47	3.55	2.07	3.05	Overlaps
Sample ID	Sample Date	Duplicate results			Sample Result			Precision Assessment					Do Ranges Overlap?
		Result	Error	MDC	Result	Error	MDC	RPD	Field Dup Range		Sample Range		
<sup>235/6</sup> U in water by alpha spectroscopy (pCi/L)													
A02MW1-U-FD	8/2/2007	0.08	0.1	0.07	-0.005	0.056	0.11	NC	-0.02	0.18	-0.061	0.051	Overlaps
A04AMW21-F-FD	8/14/2007	0.16	0.14	0.07	0.046	0.075	0.11	NC	0.02	0.3	-0.029	0.121	Overlaps
A09-SW-008-FD	9/12/2007	0.026	0.073	0.07	0.053	0.086	0.12	NC	-0.047	0.099	-0.033	0.139	Overlaps
A02MW1-F-FD	8/2/2007	-0.013	0.059	0.13	0.07	0.11	0.15	NC	-0.072	0.046	-0.04	0.18	Overlaps
A04AMW21-U-FD	8/14/2007	0.071	0.09	0.11	0.07	0.1	0.14	NC	-0.019	0.161	-0.03	0.17	Overlaps
A08-A01-SW-006-FD	9/28/2007	0.16	0.14	0.14	0.15	0.13	0.07	6%	0.02	0.3	0.02	0.28	Overlaps
A04AMW20-U-FD	11/13/2007	0.24	0.16	0.1	0.17	0.14	0.11	34%	0.08	0.4	0.03	0.31	Overlaps
A04AMW20-F-FD	11/13/2007	0.24	0.17	0.12	0.19	0.14	0.1	23%	0.07	0.41	0.05	0.33	Overlaps
A02MW4-U-FD	11/15/2007	0.92	0.33	0.07	0.66	0.27	0.13	33%	0.59	1.25	0.39	0.93	Overlaps
A02MW4-F-FD	11/15/2007	0.66	0.27	0.12	0.76	0.29	0.12	14%	0.39	0.93	0.47	1.05	Overlaps
A08-B3-SW-006-FD	10/1/2007	0.94	0.33	0.07	0.89	0.33	0.14	5%	0.61	1.27	0.56	1.22	Overlaps

Notes:

All Data in pCi/L or pCi/g, as noted.

MDC = Minimum Detectable Concentration

RPD = Relative Percent Difference

NC = Not Calculable (Result less than MDC in one or both analyses)

TABLE B.2.5-3  
U238-ALPHA SPECTROSCOPY  
REMEDIAL INVESTIGATION FORMER GUTERL SPECIALTY STEEL CORPORATION FUSRAP SITE

Sample ID	Sample Date	Duplicate results			Sample Result			Precision Assessment					Do Ranges Overlap?
		Result	Error	MDC	Result	Error	MDC	RPD	Field Dup Range		Sample Range		
<b><sup>238</sup>U in solids by alpha spectroscopy (pCi/g)</b>													
A05ASL-031-03-FD	5/21/2008	0.66	0.18	0.05	0.50	0.15	0.05	28%	0.48	0.84	0.35	0.65	Overlaps
A09-SD-008-FD	9/12/2007	0.61	0.17	0.05	0.58	0.18	0.06	5%	0.44	0.78	0.4	0.76	Overlaps
A04BSL-310-07-FD	5/21/2008	1.04	0.23	0.07	0.95	0.21	0.04	9%	0.81	1.27	0.74	1.16	Overlaps
B06-BM-002-FD	10/30/2007	1.03	0.25	0.05	1.12	0.27	0.05	8%	0.78	1.28	0.85	1.39	Overlaps
B06-BM-001-FD	10/30/2007	1.31	0.28	0.05	1.43	0.31	0.07	9%	1.03	1.59	1.12	1.74	Overlaps
A05ASL-020-01-FD	5/21/2008	2.6	0.4	0.06	1.93	0.32	0.04	30%	2.2	3.0	1.61	2.25	Overlaps
A08-A01-SD-006-FD	9/28/2007	1.6	0.32	0.05	1.99	0.37	0.04	22%	1.28	1.92	1.62	2.36	Overlaps
A10SL-303-02-FD	5/21/2008	2.32	0.37	0.06	2.4	0.36	0.05	3%	1.95	2.69	2.04	2.76	Overlaps
A04DSL-023-03-FD	5/21/2008	4.19	0.56	0.05	2.41	0.37	0.04	54%	3.63	4.75	2.04	2.78	No Overlap
B02SL-046-01-FD	5/21/2008	3.74	0.51	0.06	3.81	0.51	0.04	2%	3.23	4.25	3.3	4.32	Overlaps
A02SL-703-01-FD	5/21/2008	9.9	1.1	0.06	5.62	0.66	0.05	55%	8.8	11	4.96	6.28	No Overlap
A02SL-027-01-FD	5/21/2008	6.18	0.71	0.04	7.33	0.82	0.04	17%	5.47	6.89	6.51	8.15	Overlaps
B06SL-021-05-FD	5/21/2008	11.4	1.2	0.07	10.1	1.1	0.05	12%	10.2	12.6	9	11.2	Overlaps
A08-B3-SD-006-FD	10/1/2007	21.0	2.7	0.05	19.1	2.5	0.05	9%	18.3	23.7	16.6	21.6	Overlaps
A03SL-240-07-FD	5/21/2008	23.5	2.2	0.06	22.9	2.2	0.04	3%	21.3	25.7	20.7	25.1	Overlaps
A08-B6-SD-002-FD	5/21/2008	15.7	1.6	0.05	41.5	6.4	0.50	90%	14.1	17.3	35.1	47.9	No Overlap
A04ASL-224-10-FD	5/21/2008	63.3	5.7	0.07	60	5.4	0.04	5%	57.6	69	54.6	65.4	Overlaps
Sample ID	Sample Date	Duplicate results			Sample Result			Precision Assessment					Do Ranges Overlap?
		Result	Error	MDC	Result	Error	MDC	RPD	Field Dup Range		Sample Range		
<b><sup>238</sup>U in water by alpha spectroscopy (pCi/L)</b>													
A09-SW-008-FD	9/12/2007	0.10	0.11	0.13	0.21	0.16	0.14	NC	-0.01	0.21	0.05	0.37	Overlaps
A02MW1-U-FD	8/2/2007	0.87	0.29	0.06	1.27	0.36	0.06	37%	0.58	1.16	0.91	1.63	Overlaps
A02MW1-F-FD	8/2/2007	1.05	0.31	0.10	1.3	0.36	0.13	21%	0.74	1.36	0.94	1.66	Overlaps
A04AMW21-F-FD	8/14/2007	1.63	0.43	0.12	1.32	0.37	0.10	21%	1.2	2.06	0.95	1.69	Overlaps
A04AMW21-U-FD	8/14/2007	1.28	0.36	0.10	1.65	0.44	0.12	25%	0.92	1.64	1.21	2.09	Overlaps
A08-A01-SW-006-FD	9/28/2007	2.84	0.59	0.10	2.32	0.51	0.08	20%	2.25	3.43	1.81	2.83	Overlaps
A04AMW20-F-FD	11/13/2007	3.88	0.76	0.11	3.5	0.67	0.09	10%	3.12	4.64	2.83	4.17	Overlaps
A04AMW20-U-FD	11/13/2007	3.42	0.66	0.08	3.86	0.73	0.10	12%	2.76	4.08	3.13	4.59	Overlaps
A02MW4-U-FD	11/15/2007	16.8	2.4	0.10	15.7	2.2	0.10	7%	14.4	19.2	13.5	17.9	Overlaps
A02MW4-F-FD	11/15/2007	15.6	2.2	0.10	16.8	2.3	0.10	7%	13.4	17.8	14.5	19.1	Overlaps
A08-B3-SW-006-FD	10/1/2007	19.0	2.6	0.09	20.3	2.8	0.10	7%	16.4	21.6	17.5	23.1	Overlaps

Notes:

All Data in pCi/L or pCi/g, as noted.

MDC = Minimum Detectable Concentration

All samples analyzed by TestAmerica (formerly STL) - St. Louis

NC = Not Calculable (Result less than MDC in one or both analyses)

RPD = Relative Percent Difference

TABLE B.2.5-4  
TH228-ALPHA SPECTROSCOPY  
REMEDIAL INVESTIGATION FORMER GUTERL SPECIALTY STEEL CORPORATION FUSRAP SITE

Sample ID	Sample Date	Duplicate results			Sample Result			Precision Assessment					Do Ranges Overlap?
		Result	Error	MDC	Result	Error	MDC	RPD	Field Dup Range		Sample Range		
<b><sup>228</sup>Th in solids by alpha spectroscopy (pCi/g)</b>													
A08-B3-SD-006-FD	10/1/2007	0.24	0.11	0.08	0.29	0.13	0.08	19%	0.13	0.35	0.16	0.42	Overlaps
A08-B6-SD-002-FD	5/21/2008	0.28	0.14	0.07	1.12	0.27	0.08	120%	0.14	0.42	0.85	1.39	No Overlap
A02SL-703-01-FD	5/21/2008	0.32	0.16	0.14	0.23	0.11	0.09	33%	0.16	0.48	0.12	0.34	Overlaps
A08-A01-SD-006-FD	9/28/2007	0.52	0.17	0.07	0.57	0.18	0.07	9%	0.35	0.69	0.39	0.75	Overlaps
A10SL-303-02-FD	5/21/2008	0.65	0.18	0.07	0.71	0.19	0.07	9%	0.47	0.83	0.52	0.9	Overlaps
A03SL-240-07-FD	5/21/2008	0.72	0.20	0.08	0.79	0.21	0.09	9%	0.52	0.92	0.58	1	Overlaps
A09-SD-008-FD	9/12/2007	0.73	0.21	0.06	0.74	0.2	0.06	1%	0.52	0.94	0.54	0.94	Overlaps
A05ASL-020-01-FD	5/21/2008	0.80	0.23	0.11	0.83	0.21	0.09	4%	0.57	1.03	0.62	1.04	Overlaps
A04ASL-224-10-FD	5/21/2008	0.87	0.24	0.1	1.34	0.27	0.08	43%	0.63	1.11	1.07	1.61	Overlaps
A02SL-027-01-FD	5/21/2008	0.97	0.24	0.11	1.11	0.29	0.09	13%	0.73	1.21	0.82	1.4	Overlaps
A05ASL-031-03-FD	5/21/2008	0.99	0.23	0.09	1.09	0.25	0.07	10%	0.76	1.22	0.84	1.34	Overlaps
A04BSL-310-07-FD	5/21/2008	1.10	0.24	0.09	1.1	0.23	0.08	0%	0.86	1.34	0.87	1.33	Overlaps
A04DSL-023-03-FD	5/21/2008	1.30	0.34	0.14	1.29	0.29	0.09	1%	0.96	1.64	1.00	1.58	Overlaps
B02SL-046-01-FD	5/21/2008	1.38	0.32	0.13	0.99	0.31	0.13	33%	1.06	1.70	0.68	1.3	Overlaps
B06-BM-002-FD	10/30/2007	1.43	0.35	0.11	1.33	0.35	0.12	7%	1.08	1.78	0.98	1.68	Overlaps
B06-BM-001-FD	10/30/2007	1.46	0.32	0.07	1.52	0.35	0.09	4%	1.14	1.78	1.17	1.87	Overlaps
B06SL-021-05-FD	5/21/2008	20.2	3.0	0.5	28.9	5.0	1.3	35%	17.2	23.2	23.9	33.9	No Overlap
Sample ID	Sample Date	Duplicate results			Sample Result			RPD	Field Dup Range		Sample Range		Do Ranges Overlap?
		Result	Error	MDC	Result	Error	MDC						
<b><sup>228</sup>Th in water by alpha spectroscopy (pCi/L)</b>													
A08-B3-SW-006-FD	10/1/2007	-0.015	0.095	0.2	0.09	0.16	0.23	NC	-0.11	0.08	-0.07	0.25	Overlaps
A04AMW20-U-FD	11/13/2007	0.003	0.093	0.18	-0.014	0.095	0.19	NC	-0.09	0.096	-0.109	0.081	Overlaps
A04AMW20-F-FD	11/13/2007	0.024	0.078	0.14	-0.019	0.073	0.16	NC	-0.054	0.102	-0.092	0.054	Overlaps
A02MW4-F-FD	11/15/2007	0.025	0.099	0.17	0.07	0.11	0.16	NC	-0.074	0.124	-0.04	0.18	Overlaps
A02MW1-F-FD	8/2/2007	0.04	0.15	0.23	0.11	0.12	0.15	NC	-0.11	0.19	-0.01	0.23	Overlaps
A02MW1-U-FD	8/2/2007	0.07	0.12	0.18	-0.036	0.073	0.16	NC	-0.05	0.19	-0.109	0.037	Overlaps
A02MW4-U-FD	11/15/2007	0.09	0.11	0.14	0.18	0.14	0.13	NC	-0.02	0.20	0.04	0.32	Overlaps
A04AMW21-F-FD	8/14/2007	0.17	0.15	0.16	0.18	0.14	0.12	6%	0.02	0.32	0.04	0.32	Overlaps
A08-A01-SW-006-FD	9/28/2007	0.175	0.094	0.23	0.075	0.096	0.29	NC	0.081	0.269	-0.021	0.171	Overlaps
A04AMW21-U-FD	8/14/2007	0.27	0.16	0.11	0.24	0.15	0.11	12%	0.11	0.43	0.09	0.39	Overlaps
A09-SW-008-FD	9/12/2007	0.28	0.18	0.16	0.25	0.16	0.13	11%	0.10	0.46	0.09	0.41	Overlaps

Notes:

All Data in pCi/L or pCi/g, as noted.

MDC = Minimum Detectable Concentration

RPD = Relative Percent Difference

NC = Not Calculable (Result less than MDC in one or both analyses)

TABLE B.2.5-5  
Th230-ALPHA SPECTROSCOPY  
REMEDIAL INVESTIGATION FORMER GUTERL SPECIALTY STEEL CORPORATION FUSRAP SITE

Sample ID	Sample Date	Duplicate results			Sample Result			Precision Assessment					Do Ranges Overlap?
		Result	Error	MDC	Result	Error	MDC	RPD	Field Dup Range		Sample Range		
<sup>230</sup> Th in solids by alpha spectroscopy (pCi/g)													
A02SL-703-01-FD	5/21/2008	0.47	0.19	0.05	0.25	0.11	0.06	61%	0.28	0.66	0.14	0.36	Overlaps
A08-B3-SD-006-FD	10/1/2007	0.41	0.15	0.07	0.28	0.12	0.05	38%	0.26	0.56	0.16	0.4	Overlaps
A02SL-027-01-FD	5/21/2008	0.61	0.19	0.07	0.39	0.16	0.07	44%	0.42	0.80	0.23	0.55	Overlaps
A09-SD-008-FD	9/12/2007	0.86	0.23	0.05	0.60	0.18	0.04	36%	0.63	1.09	0.42	0.78	Overlaps
A08-B6-SD-002-FD	5/21/2008	0.36	0.16	0.11	0.67	0.20	0.06	60%	0.20	0.52	0.47	0.87	Overlaps
A08-A01-SD-006-FD	9/28/2007	0.61	0.19	0.07	0.68	0.19	0.05	11%	0.42	0.80	0.49	0.87	Overlaps
A04ASL-224-10-FD	5/21/2008	1.17	0.29	0.04	0.78	0.20	0.06	40%	0.88	1.46	0.58	0.98	Overlaps
A03SL-240-07-FD	5/21/2008	1.08	0.25	0.04	0.82	0.21	0.07	27%	0.83	1.33	0.61	1.03	Overlaps
A10SL-303-02-FD	5/21/2008	0.71	0.19	0.05	0.85	0.21	0.06	18%	0.52	0.9	0.64	1.06	Overlaps
A05ASL-031-03-FD	5/21/2008	1.10	0.24	0.05	0.85	0.22	0.07	26%	0.86	1.34	0.63	1.07	Overlaps
B06-BM-002-FD	10/30/2007	1.35	0.33	0.07	0.95	0.28	0.09	35%	1.02	1.68	0.67	1.23	Overlaps
A05ASL-020-01-FD	5/21/2008	0.89	0.24	0.08	0.99	0.22	0.05	11%	0.65	1.13	0.77	1.21	Overlaps
B02SL-046-01-FD	5/21/2008	0.99	0.26	0.07	1.23	0.35	0.12	22%	0.73	1.25	0.88	1.58	Overlaps
B06-BM-001-FD	10/30/2007	0.91	0.24	0.05	1.35	0.32	0.06	39%	0.67	1.15	1.03	1.67	Overlaps
A04BSL-310-07-FD	5/21/2008	1.09	0.24	0.07	1.56	0.29	0.06	35%	0.85	1.33	1.27	1.85	Overlaps
A04DSL-023-03-FD	5/21/2008	1.88	0.41	0.11	1.75	0.35	0.09	7%	1.47	2.29	1.4	2.1	Overlaps
B06SL-021-05-FD	5/21/2008	2.81	0.96	0.38	2.4	1.3	0.70	16%	1.85	3.77	1.1	3.7	Overlaps
Sample ID	Sample Date	Duplicate results			Sample Result			RPD	Field Dup Range		Sample Range		Do Ranges Overlap?
		Result	Error	MDC	Result	Error	MDC						
<sup>230</sup> Th in water by alpha spectroscopy (pCi/L)													
A08-A01-SW-006-FD	9/28/2007	0.23	0.086	0.13	0.025	0.034	0.13	NC	0.145	0.317	-0.009	0.059	No Overlap
A04AMW20-U-FD	11/13/2007	0.30	0.18	0.10	0.062	0.08	0.095	NC	0.12	0.48	-0.018	0.142	Overlaps
A04AMW21-F-FD	8/14/2007	0.11	0.11	0.12	0.19	0.13	0.09	NC	0.0	0.22	0.06	0.32	Overlaps
A04AMW21-U-FD	8/14/2007	0.50	0.21	0.09	0.19	0.13	0.08	90%	0.29	0.71	0.06	0.32	Overlaps
A02MW4-U-FD	11/15/2007	0.23	0.15	0.10	0.20	0.15	0.13	14%	0.08	0.38	0.05	0.35	Overlaps
A02MW4-F-FD	11/15/2007	0.25	0.16	0.13	0.21	0.14	0.11	17%	0.09	0.41	0.07	0.35	Overlaps
A02MW1-F-FD	8/2/2007	0.27	0.15	0.12	0.23	0.13	0.05	16%	0.12	0.42	0.10	0.36	Overlaps
A04AMW20-F-FD	11/13/2007	0.17	0.13	0.11	0.29	0.17	0.11	52%	0.04	0.30	0.12	0.46	Overlaps
A09-SW-008-FD	9/12/2007	0.10	0.10	0.11	0.35	0.18	0.09	NC	0.00	0.20	0.17	0.53	Overlaps
A08-B3-SW-006-FD	10/1/2007	0.43	0.28	0.20	0.43	0.28	0.20	0%	0.15	0.71	0.15	0.71	Overlaps
A02MW1-U-FD	8/2/2007	0.26	0.18	0.18	0.45	0.20	0.12	54%	0.08	0.44	0.25	0.65	Overlaps

Notes:

All Data in pCi/L or pCi/g, as noted.

MDC = Minimum Detectable Concentration

RPD = Relative Percent Difference

NC = Not Calculable (Result less than MDC in one or both analyses)

B.2.5-6  
Th232-ALPHA SPECTROSCOPY  
REMEDIAL INVESTIGATION FORMER GUTERL SPECIALTY STEEL CORPORATION FUSRAP SITE

Sample ID	Sample Date	Duplicate results			Sample Result			Precision Assessment					Do Ranges Overlap?
		Result	Error	MDC	Result	Error	MDC	RPD	Field Dup Range		Sample Range		
<sup>232</sup> Th in solids by alpha spectroscopy (pCi/g)													
A08-B3-SD-006-FD	10/1/2007	0.29	0.12	0.05	0.165	0.09	0.047	55%	0.17	0.41	0.075	0.255	Overlaps
A02SL-703-01-FD	5/21/2008	0.28	0.14	0.08	0.34	0.13	0.03	19%	0.14	0.42	0.21	0.47	Overlaps
A08-A01-SD-006-FD	9/28/2007	0.43	0.16	0.06	0.36	0.13	0.05	18%	0.27	0.59	0.23	0.49	Overlaps
A09-SD-008-FD	9/12/2007	0.62	0.19	0.06	0.65	0.19	0.05	5%	0.43	0.81	0.46	0.84	Overlaps
A10SL-303-02-FD	5/21/2008	0.58	0.17	0.05	0.68	0.19	0.05	16%	0.41	0.75	0.49	0.87	Overlaps
A03SL-240-07-FD	5/21/2008	0.66	0.19	0.05	0.79	0.2	0.05	18%	0.47	0.85	0.59	0.99	Overlaps
B02SL-046-01-FD	5/21/2008	1.08	0.27	0.08	0.86	0.29	0.11	23%	0.81	1.35	0.57	1.15	Overlaps
A08-B6-SD-002-FD	5/21/2008	0.21	0.12	0.08	0.91	0.24	0.07	125%	0.09	0.33	0.67	1.15	No Overlap
A05ASL-020-01-FD	5/21/2008	0.76	0.22	0.05	0.96	0.22	0.04	23%	0.54	0.98	0.74	1.18	Overlaps
A04BSL-310-07-FD	5/21/2008	0.87	0.21	0.06	0.96	0.21	0.03	10%	0.66	1.08	0.75	1.17	Overlaps
A05ASL-031-03-FD	5/21/2008	0.83	0.21	0.05	1.00	0.24	0.05	19%	0.62	1.04	0.76	1.24	Overlaps
A02SL-027-01-FD	5/21/2008	0.98	0.24	0.06	1.02	0.27	0.04	4%	0.74	1.22	0.75	1.29	Overlaps
A04ASL-224-10-FD	5/21/2008	0.99	0.26	0.07	1.23	0.26	0.06	22%	0.73	1.25	0.97	1.49	Overlaps
B06-BM-002-FD	10/30/2007	1.37	0.33	0.06	1.32	0.34	0.07	4%	1.04	1.7	0.98	1.66	Overlaps
B06-BM-001-FD	10/30/2007	1.42	0.31	0.06	1.38	0.33	0.06	3%	1.11	1.73	1.05	1.71	Overlaps
A04DSL-023-03-FD	5/21/2008	1.53	0.37	0.09	1.51	0.32	0.06	1%	1.16	1.9	1.19	1.83	Overlaps
B06SL-021-05-FD	5/21/2008	21.4	3.1	0.3	26.3	4.7	0.7	21%	18.3	24.5	21.6	31	Overlaps
Sample ID	Sample Date	Duplicate results			Sample Result			Precision Assessment					Do Ranges Overlap?
		Result	Error	MDC	Result	Error	MDC	RPD	Field Dup Range		Sample Range		
<sup>232</sup> Th in water by alpha spectroscopy (pCi/L)													
A08-A01-SW-006-FD	9/28/2007	0.042	0.047	0.16	-0.023	0.041	0.18	NC	-0.005	0.089	-0.064	0.018	Overlaps
A04AMW21-U-FD	8/14/2007	-0.007	0.047	0.098	-0.007	0.046	0.096	NC	-0.054	0.04	-0.053	0.039	Overlaps
A02MW1-U-FD	8/2/2007	-0.039	0.086	0.19	0.005	0.048	0.11	NC	-0.125	0.047	-0.043	0.053	Overlaps
A04AMW21-F-FD	8/14/2007	-0.009	0.057	0.12	0.009	0.054	0.12	NC	-0.066	0.048	-0.045	0.063	Overlaps
A02MW4-U-FD	11/15/2007	0.046	0.081	0.063	0.01	0.055	0.12	NC	-0.035	0.127	-0.045	0.065	Overlaps
A09-SW-008-FD	9/12/2007	0.036	0.068	0.11	0.022	0.062	0.059	NC	-0.032	0.104	-0.04	0.084	Overlaps
A04AMW20-F-FD	11/13/2007	0.023	0.064	0.061	0.023	0.073	0.13	NC	-0.041	0.087	-0.05	0.096	Overlaps
A02MW4-F-FD	11/15/2007	0.063	0.08	0.095	0.023	0.073	0.13	NC	-0.017	0.143	-0.05	0.096	Overlaps
A08-B3-SW-006-FD	10/1/2007	-0.008	0.088	0.17	0.025	0.094	0.2	NC	-0.096	0.08	-0.069	0.119	Overlaps
A02MW1-F-FD	8/2/2007	0.031	0.077	0.12	0.035	0.061	0.047	NC	-0.046	0.108	-0.026	0.096	Overlaps
A04AMW20-U-FD	11/13/2007	-0.013	0.059	0.13	0.062	0.079	0.094	NC	-0.072	0.046	-0.017	0.141	Overlaps

Notes:

All Data in pCi/L or pCi/g, as noted.

MDC = Minimum Detectable Concentration

RPD = Relative Percent Difference

NC = Not Calculable (Result less than MDC in one or both analyses)

TABLE B.2.5-7  
Ra226-GFPC AND GAMMA SPECTROSCOPY  
REMEDIAL INVESTIGATION FORMER GUTERL SPECIALTY STEEL CORPORATION FUSRAP SITE

Sample ID	Sample Date	Duplicate results			Sample Result			Precision Assessment					Do Ranges Overlap?
		Result	MDC	Error	Result	MDC	Error	RPD	Field Dup Range		Sample Range		
<sup>226</sup> Ra in Water by EPA 903.0 Mod (pCi/L)													
A02MW1-F-FD	8/2/07	0.14	0.19	0.13	0.20	0.18	0.13	NC	0.01	0.27	0.07	0.33	Overlaps
A02MW1-U-FD	8/2/07	0.33	0.18	0.16	0.23	0.22	0.15	36%	0.17	0.49	0.08	0.38	Overlaps
A02MW4-F-FD	11/15/07	0.12	0.19	0.12	0.22	0.23	0.16	NC	0	0.24	0.06	0.38	Overlaps
A02MW4-U-FD	11/15/07	0.22	0.22	0.16	0.41	0.21	0.18	60%	0.06	0.38	0.23	0.59	Overlaps
A04AMW20-F-FD	11/13/07	0.02	0.21	0.12	0.13	0.18	0.12	NC	-0.1	0.14	0.01	0.25	Overlaps
A04AMW20-U-FD	11/13/07	0.08	0.20	0.12	0.02	0.21	0.11	NC	-0.04	0.2	-0.09	0.13	Overlaps
A04AMW21-F-FD	8/14/2007	0.31	0.21	0.17	0.35	0.14	0.14	12%	0.14	0.48	0.21	0.49	Overlaps
A04AMW21-U-FD	8/14/2007	0.22	0.21	0.15	0.23	0.17	0.14	4%	0.07	0.37	0.09	0.37	Overlaps
A08-A01-SW-006-FD	9/28/2007	0.11	0.19	0.12	0.17	0.18	0.13	NC	-0.01	0.23	0.04	0.3	Overlaps
A08-B3-SW-006-FD	10/1/2007	0.23	0.22	0.16	0.11	0.28	0.17	NC	0.07	0.39	-0.06	0.28	Overlaps
A09-SW-008-FD	9/12/2007	0.10	0.23	0.14	0.13	0.17	0.11	NC	-0.04	0.24	0.02	0.24	Overlaps
<sup>226</sup> Ra in solids by EPA 903.0 Mod (pCi/g)													
A08-A01-SD-006-FD	9/28/2007	0.56	0.15	0.18	0.55	0.15	0.18	2%	0.38	0.74	0.37	0.73	Overlaps
A08-B3-SD-006-FD	10/1/2007	0.19	0.17	0.13	0.23	0.15	0.12	19%	0.06	0.32	0.11	0.35	Overlaps
A08-B6-SD-002-FD	5/21/2008	0.52	0.12	0.16	0.73	0.17	0.21	34%	0.36	0.68	0.52	0.94	Overlaps
A09-SD-008-FD	9/12/2007	1.17	0.20	0.28	0.86	0.09	0.22	31%	0.89	1.45	0.64	1.08	Overlaps
A10SL-303-02-FD	5/21/2008	0.76	0.10	0.19	1.19	0.14	0.25	44%	0.57	0.95	0.94	1.44	Overlaps
B06-BM-001-FD	10/30/2007	1.23	0.22	0.28	1.13	0.19	0.26	8%	0.95	1.51	0.87	1.39	Overlaps
B06-BM-002-FD	10/30/2007	1.36	0.18	0.28	1.31	0.18	0.29	4%	1.08	1.64	1.02	1.6	Overlaps
B06SL-021-05-FD	5/21/2008	4.24	0.14	0.53	2.94	0.12	0.41	36%	3.71	4.77	2.53	3.35	No Overlap
Sample ID	Sample Date	Duplicate results			Sample Result			Precision Assessment					Do Ranges Overlap?
		Result	MDC	Error	Result	MDC	Error	RPD	Field Dup Range		Sample Range		
<sup>226</sup> Ra in solids by gamma spectroscopy (pCi/g)													
B08SL-015-01-FD	5/21/2008	-0.12	0.37	0.3	0.008	0.32	0.19	NC	-0.42	0.18	-0.182	0.198	Overlaps
A08-A01-SD-006-FD	9/28/2007	-0.04	0.43	0.3	0.11	0.40	0.22	NC	-0.34	0.26	-0.11	0.33	Overlaps
A08-B3-SD-006-FD	10/1/2007	0.13	0.17	0.1	0.21	0.23	0.15	NC	0.03	0.23	0.06	0.36	Overlaps
A08-B6-SD-002-FD	5/21/2008	0.25	0.13	0.1	0.161	0.16	0.099	43%	0.15	0.35	0.062	0.26	Overlaps
A05ASL-305-03-FD	5/21/2008	0.67	0.11	0.14	0.65	0.23	0.18	3%	0.53	0.81	0.47	0.83	Overlaps
B24SL-019-01-FD	5/21/2008	0.68	0.18	0.2	0.88	0.17	0.21	26%	0.48	0.88	0.67	1.09	Overlaps
BKGSL-010-01-FD	5/21/2008	0.88	0.15	0.2	0.78	0.29	0.24	12%	0.68	1.08	0.54	1.02	Overlaps
A04DSL-021-01-FD	5/21/2008	1.19	0.13	0.22	0.92	0.21	0.19	26%	0.97	1.41	0.73	1.11	Overlaps
A09-SD-008-FD	9/12/2007	1.19	0.23	0.3	1.06	0.17	0.24	12%	0.89	1.49	0.82	1.3	Overlaps
A04CSL-013-02-FD	5/21/2008	1.27	0.08	0.21	0.94	0.24	0.23	30%	1.06	1.48	0.71	1.17	Overlaps
B06-BM-001-FD	10/30/2007	1.53	0.15	0.24	1.07	0.21	0.21	35%	1.29	1.77	0.86	1.28	No Overlap
B06-BM-002-FD	10/30/2007	1.46	0.19	0.29	1.36	0.21	0.22	7%	1.17	1.75	1.14	1.58	Overlaps

Notes:

All Data in pCi/L or pCi/g, as noted.

MDC = Minimum Detectable Concentration

RPD = Relative Percent Difference

NC = Not Calculable (Result less than MDC in one or both analyses)



TABLE B.2.5-8  
Ra228 GFPC AND GAMMA SPECTROSCOPY  
REMEDIAL INVESTIGATION FORMER GUTERL SPECIALTY STEEL CORPORATION FUSRAP SITE

Sample ID	Sample Date	Duplicate results			Sample Result			Precision Assessment					Do Ranges Overlap?
		Result	Error	MDC	Result	Error	MDC	RPD	Field Dup Range	Sample Range			
<sup>228</sup> Ra in Water by EPA 904.0 Mod (pCi/L)													
A02MW4-F-FD	11/15/2007	-0.09	0.44	0.75	0.1	0.39	0.65	NC	-0.53	0.35	-0.29	0.49	Overlaps
A04AMW20-U-FD	11/13/2007	-0.04	0.37	0.64	0.22	0.40	0.67	NC	-0.41	0.33	-0.18	0.62	Overlaps
A04AMW20-F-FD	11/13/2007	0.04	0.42	0.72	0.29	0.38	0.63	NC	-0.38	0.46	-0.09	0.67	Overlaps
A02MW4-U-FD	11/15/2007	0.12	0.30	0.51	0.21	0.27	0.45	NC	-0.18	0.42	-0.06	0.48	Overlaps
A09-SW-008-FD	9/12/2007	0.28	0.42	0.70	0.95	0.56	0.87	NC	-0.14	0.7	0.39	1.51	Overlaps
A04AMW21-F-FD	8/14/2007	0.32	0.33	0.54	0.08	0.25	0.42	NC	-0.01	0.65	-0.17	0.33	Overlaps
A04AMW21-U-FD	8/14/2007	0.43	0.35	0.55	0.11	0.27	0.45	NC	0.08	0.78	-0.16	0.38	Overlaps
A08-B3-SW-006-FD	10/1/2007	0.50	0.40	0.64	0.61	0.42	0.67	NC	0.1	0.9	0.19	1.03	Overlaps
A08-A01-SW-006-FD	9/28/2007	0.73	0.56	0.89	0.19	0.42	0.70	NC	0.17	1.29	-0.23	0.61	Overlaps
A02MW1-F-FD	8/2/2007	1.02	0.42	0.60	0.75	0.35	0.50	31%	0.6	1.44	0.4	1.1	Overlaps
A02MW1-U-FD	8/2/2007	1.4	0.41	0.51	1.41	0.45	0.59	1%	0.99	1.81	0.96	1.86	Overlaps
<sup>228</sup> Ra in solids by EPA 904.0 Mod (pCi/g)													
A09-SD-008-FD	9/12/2007	0.88	0.42	0.63	0.90	0.44	0.66	2%	0.46	1.3	0.46	1.34	Overlaps
A08-A01-SD-006-FD	9/28/2007	0.53	0.40	0.63	0.43	0.46	0.75	NC	0.13	0.93	-0.03	0.89	Overlaps
A08-B3-SD-006-FD	10/1/2007	0.14	0.19	0.32	0.11	0.22	0.37	NC	-0.05	0.33	-0.11	0.33	Overlaps
B06-BM-001-FD	10/30/2007	1.0	0.39	0.58	0.70	0.42	0.65	35%	0.61	1.39	0.28	1.12	Overlaps
B06-BM-002-FD	10/30/2007	0.95	0.40	0.59	1.27	0.51	0.74	29%	0.55	1.35	0.76	1.78	Overlaps
A08-B6-SD-002-FD	5/21/2008	0.37	0.25	0.38	0.67	0.41	0.64	NC	0.12	0.62	0.26	1.08	Overlaps
A10SL-303-02-FD	5/21/2008	0.42	0.29	0.44	0.76	0.24	0.29	NC	0.13	0.71	0.52	1.0	Overlaps
B06SL-021-05-FD	5/21/2008	15.6	1.5	0.40	12.2	1.2	0.50	24%	14.1	17.1	11	13.4	No Overlap
Sample ID	Sample Date	Duplicate results			Sample Result			Precision Assessment					Do Ranges Overlap?
		Result	Error	MDC	Result	Error	MDC	RPD	Field Dup Range	Sample Range			
<sup>228</sup> Ra in solids by gamma spectroscopy (pCi/g)													
A09-SD-008-FD	9/12/2007	0.74	0.31	0.41	0.37	0.23	0.53	NC	0.43	1.05	0.14	0.60	Overlaps
A08-A01-SD-006-FD	9/28/2007	0.34	0.23	0.65	0.34	0.33	0.49	NC	0.11	0.57	0.01	0.67	Overlaps
A08-B3-SD-006-FD	10/1/2007	0.16	0.16	0.24	0.34	0.19	0.38	NC	0.0	0.32	0.15	0.53	Overlaps
B06-BM-001-FD	10/30/2007	1.95	0.31	0.19	1.61	0.31	0.38	19%	1.64	2.26	1.3	1.92	Overlaps
B06-BM-002-FD	10/30/2007	1.42	0.32	0.49	1.26	0.30	0.39	12%	1.1	1.74	0.96	1.56	Overlaps
A04CSL-013-02-FD	5/21/2008	0.93	0.24	0.36	0.84	0.30	0.43	10%	0.69	1.17	0.54	1.14	Overlaps
A04DSL-021-01-FD	5/21/2008	1.44	0.29	0.20	1.59	0.29	0.09	10%	1.15	1.73	1.3	1.88	Overlaps
A05ASL-305-03-FD	5/21/2008	1.19	0.20	0.25	1.21	0.27	0.36	2%	0.99	1.39	0.94	1.48	Overlaps
A08-B6-SD-002-FD	5/21/2008	0.20	0.15	0.23	0.42	0.15	0.23	NC	0.05	0.35	0.27	0.57	Overlaps
B08SL-015-01-FD	5/21/2008	0.77	0.26	0.33	0.49	0.24	0.34	44%	0.51	1.03	0.25	0.73	Overlaps
B24SL-019-01-FD	5/21/2008	0.64	0.21	0.38	0.93	0.25	0.31	37%	0.43	0.85	0.68	1.18	Overlaps
BKGS�-010-01-FD	5/21/2008	0.89	0.25	0.35	0.94	0.36	0.57	5%	0.64	1.14	0.58	1.3	Overlaps

Notes:

All Data in pCi/L or pCi/g, as noted.

MDC = Minimum Detectable Concentration

RPD = Relative Percent Difference

NC = Not Calculable (Result less than MDC in one or both analyses)

TABLE B.2.5-9  
U235 AND U238-GAMMA SPECTROSCOPY  
REMEDIAL INVESTIGATION FORMER GUTERL SPECIALTY STEEL CORPORATION FUSRAP SITE

Sample ID	Sample Date	Duplicate results			Sample Result			Precision Assessment					Do Ranges Overlap?
		Result	Error	MDC	Result	Error	MDC	RPD	Field Dup Range		Sample Range		
<sup>235</sup> U in solids by gamma spectroscopy (pCi/g)													
A04DSL-021-01-FD	5/21/2008	0.15	0.31	0.52	0.03	0.31	0.54	NC	-0.16	0.46	-0.28	0.34	Overlaps
B06-BM-001-FD	10/30/2007	0.08	0.37	0.63	0.06	0.33	0.57	NC	-0.29	0.45	-0.27	0.39	Overlaps
A09-SD-008-FD	9/12/2007	0.12	0.30	0.52	0.09	0.32	0.56	NC	-0.18	0.42	-0.23	0.41	Overlaps
A08-A01-SD-006-FD	9/28/2007	0.25	0.39	0.67	0.09	0.45	0.82	NC	-0.14	0.64	-0.36	0.54	Overlaps
B06-BM-002-FD	10/30/2007	0.34	0.33	0.53	0.09	0.38	0.65	NC	0.01	0.67	-0.29	0.47	Overlaps
A04CSL-013-02-FD	5/21/2008	0.28	0.31	0.51	0.11	0.35	0.60	NC	-0.03	0.59	-0.24	0.46	Overlaps
A05ASL-305-03-FD	5/21/2008	0.06	0.26	0.44	0.18	0.35	0.58	NC	-0.2	0.32	-0.17	0.53	Overlaps
BKGSL-010-01-FD	5/21/2008	0.17	0.30	0.50	0.22	0.40	0.68	NC	-0.13	0.47	-0.18	0.62	Overlaps
B24SL-019-01-FD	5/21/2008	0.37	0.26	0.40	0.32	0.27	0.43	NC	0.11	0.63	0.05	0.59	Overlaps
A08-B6-SD-002-FD	5/21/2008	0.52	0.24	0.36	0.79	0.28	0.33	41%	0.28	0.76	0.51	1.07	Overlaps
A08-B3-SD-006-FD	10/1/2007	0.32	0.29	0.47	1.04	0.35	0.43	NC	0.03	0.61	0.69	1.39	No Overlap
B08SL-015-01-FD	5/21/2008	23.8	1.8	1.5	21.6	1.8	1.3	10%	22	25.6	19.8	23.4	Overlaps
Sample ID	Sample Date	Duplicate results			Sample Result			Precision Assessment					Do Ranges Overlap?
		Result	Error	MDC	Result	Error	MDC	RPD	Field Dup Range		Sample Range		
<sup>238</sup> U in solids by gamma spectroscopy (pCi/g)													
B06-BM-001-FD	10/30/2007	2.9	1.5	1.7	0.5	1.3	2.2	NC	1.4	4.4	-0.8	1.8	Overlaps
A04DSL-021-01-FD	5/21/2008	1.2	1.3	2.2	0.98	0.57	1.2	NC	-0.1	2.5	0.41	1.55	Overlaps
A09-SD-008-FD	9/12/2007	0.5	1.2	2.1	1.0	1.2	2.0	NC	-0.7	1.7	-0.2	2.2	Overlaps
BKGSL-010-01-FD	5/21/2008	1.69	0.73	1.5	1.9	3.0	5.1	NC	0.96	2.42	-1.1	4.9	Overlaps
B06-BM-002-FD	10/30/2007	1.18	0.93	2.5	1.95	0.82	1.9	NC	0.25	2.11	1.13	2.77	Overlaps
B24SL-019-01-FD	5/21/2008	3.13	0.87	1.7	2.7	0.85	1.5	15%	2.26	4.0	1.85	3.55	Overlaps
A05ASL-305-03-FD	5/21/2008	2.0	1.0	5.7	3.6	1.1	1.8	NC	1.0	3.0	2.5	4.7	Overlaps
A08-A01-SD-006-FD	9/28/2007	2.4	1.1	2.6	3.7	1.5	2.6	NC	1.3	3.5	2.2	5.2	Overlaps
A04CSL-013-02-FD	5/21/2008	3.51	0.85	2.2	3.9	1.0	1.6	11%	2.66	4.36	2.9	4.9	Overlaps
A08-B3-SD-006-FD	10/1/2007	9.9	1.3	1.4	9.5	1.4	2.1	4%	8.6	11.2	8.1	10.9	Overlaps
A08-B6-SD-002-FD	5/21/2008	8.0	0.97	1.5	14.2	1.7	1.8	56%	7.03	8.97	12.5	15.9	No Overlap
B08SL-015-01-FD	5/21/2008	205	16	5.0	163	13	4.0	23%	189	221	150	176	No Overlap

Notes:

Solid Matrix Data in pCi/g

MDC = Minimum Detectable Concentration

All samples analyzed by TestAmerica (formerly STL) - St. Louis

NC = Not Calculable (Result less than MDC in one or both analyses)

RPD = Relative Percent Difference

TABLE B.2.5-10  
Th232-GAMMA SPECTROSCOPY  
REMEDIAL INVESTIGATION FORMER GUTERL SPECIALTY STEEL CORPORATION FUSRAP SITE

Sample ID	Sample Date	Duplicate results			Sample Result			Precision Assessment					Do Ranges Overlap?	
		Result	Error	MDC	Result	Error	MDC	RPD	Field Dup Range		Sample Range			
<sup>232</sup> Th in solids by gamma spectroscopy (pCi/g)														
A08-B3-SD-006-FD	10/1/2007	0.16	0.16	0.24	0.34	0.19	0.38	NC	0.0	0.32	0.15	0.53	Overlaps	
A08-A01-SD-006-FD	9/28/2007	0.34	0.23	0.65	0.34	0.33	0.49	NC	0.11	0.57	0.01	0.67	Overlaps	
A09-SD-008-FD	9/12/2007	0.74	0.31	0.41	0.37	0.23	0.53	NC	0.43	1.05	0.14	0.60	Overlaps	
A08-B6-SD-002-FD	5/21/2008	0.20	0.15	0.23	0.42	0.15	0.23	NC	0.05	0.35	0.27	0.57	Overlaps	
B08SL-015-01-FD	5/21/2008	0.77	0.26	0.33	0.49	0.24	0.34	44%	0.51	1.03	0.25	0.73	Overlaps	
A04CSL-013-02-FD	5/21/2008	0.93	0.24	0.36	0.84	0.3	0.43	10%	0.69	1.17	0.54	1.14	Overlaps	
B24SL-019-01-FD	5/21/2008	0.64	0.21	0.38	0.93	0.25	0.31	37%	0.43	0.85	0.68	1.18	Overlaps	
BKGSL-010-01-FD	5/21/2008	0.89	0.25	0.35	0.94	0.36	0.57	5%	0.64	1.14	0.58	1.3	Overlaps	
A05ASL-305-03-FD	5/21/2008	1.19	0.20	0.25	1.21	0.27	0.36	2%	0.99	1.39	0.94	1.48	Overlaps	
B06-BM-002-FD	10/30/2007	1.42	0.32	0.49	1.26	0.30	0.39	12%	1.1	1.74	0.96	1.56	Overlaps	
A04DSL-021-01-FD	5/21/2008	1.44	0.29	0.2	1.59	0.29	0.09	10%	1.15	1.73	1.3	1.88	Overlaps	
B06-BM-001-FD	10/30/2007	1.95	0.31	0.19	1.61	0.31	0.38	19%	1.64	2.26	1.3	1.92	Overlaps	

Notes:

Solid Matrix Data in pCi/g

MDC = Minimum Detectable Concentration

All samples analyzed by TestAmerica (formerly STL) - St. Louis

NC = Not Calculable (Result less than MDC in one or both analyses)

RPD = Relative Percent Difference

TABLE B.2.5-11  
GROSS ALPHA AND GROSS BETA  
REMEDIAL INVESTIGATION FORMER GUTERL SPECIALTY STEEL CORPORATION FUSRAP SITE

Sample ID	Sample Date	Duplicate results			Sample Result			Precision Assessment					Do Ranges Overlap?
		Result	MDC	Error	Result	MDC	Error	RPD	Field Dup Range		Sample Range		
Gross Alpha													
A02MW1-F-FD	8/2/07	8.6	9.6	5.9	1.2	9.3	4.0	NC	2.7	14.5	-2.8	5.2	Overlaps
A02MW1-U-FD	8/2/07	8.1	9.9	5.8	1.0	9.1	3.9	NC	2.3	13.9	-2.9	4.9	Overlaps
A02MW4-F-FD	11/15/07	45.5	3.0	7.9	38.7	3.7	7.3	16%	37.6	53.4	31.4	46	Overlaps
A02MW4-U-FD	11/15/07	31.1	5.1	7.0	34.4	3.8	7.2	10%	24.1	38.1	27.2	41.6	Overlaps
A04AMW20-F-FD	11/13/07	9.1	5.4	4.1	9.9	4.8	4.2	8%	5.0	13.2	5.7	14.1	Overlaps
A04AMW20-U-FD	11/13/07	12.7	4.9	4.8	9.6	7.0	4.8	28%	7.9	17.5	4.8	14.4	Overlaps
A04AMW21-F-FD	8/14/07	0.6	12	5.0	8.6	12	7.0	NC	-4.4	5.6	1.6	15.6	Overlaps
A04AMW21-U-FD	8/14/2007	4.5	11	5.5	5.5	11	5.7	NC	-1.0	10	-0.2	11.2	Overlaps
Gross Beta													
A02MW1-F-FD	8/2/07	-3.9	12	5.3	3.3	10	5.0	NC	-9.2	1.4	-1.7	8.3	Overlaps
A02MW1-U-FD	8/2/07	6.7	10	5.1	-0.03	11	4.8	NC	1.6	11.8	-4.83	4.77	Overlaps
A02MW4-F-FD	11/15/07	5.4	3.9	2.4	8.6	3.9	2.6	46%	3.0	7.8	6.0	11.2	Overlaps
A02MW4-U-FD	11/15/07	4.8	3.2	2.1	8.2	2.9	2.3	52%	2.7	6.9	5.9	10.5	Overlaps
A04AMW20-F-FD	11/13/07	5.2	6.8	3.5	4.2	6.7	3.4	NC	1.7	8.7	0.8	7.6	Overlaps
A04AMW20-U-FD	11/13/07	2.3	4.2	2.2	2.2	4.1	2.1	NC	0.1	4.5	0.1	4.3	Overlaps
A04AMW21-F-FD	8/14/2007	2.3	7.1	3.4	-2.0	7.8	3.4	NC	-1.1	5.7	-5.4	1.4	Overlaps
A04AMW21-U-FD	8/14/2007	1.1	6.8	3.2	0.5	7.1	3.3	NC	-2.1	4.3	-2.8	3.8	Overlaps

Notes:

All Data in pCi/L

MDC = Minimum Detectable Concentration

RPD = Relative Percent Difference

NC = Not Calculable (Result less than MDC in one or both analyses)

TABLE B.2.5-12  
TOTAL SUSPENDED SOLIDS  
REMEDIAL INVESTIGATION FORMER GUTERL SPECIALTY STEEL CORPORATION FUSRAP SITE

Sample ID	Sample Date	Parameter	Duplicate results		Sample Result		Precision (RPD)
			Result	Units	Result	Units	
Total Suspended Solids in Unfiltered Groundwater (mg/L)							
A02MW1-U-FD	8/2/07	TSS by EPA 160.2	4	mg/L	20	mg/L	133%
A02MW4-U-FD	11/15/07	TSS by EPA 160.2	2	mg/L	1	mg/L	67%
A04AMW20-U-FD	11/13/07	TSS by EPA 160.2	16	mg/L	20	mg/L	22%
A04AMW21-U-FD	8/14/2007	TSS by EPA 160.2	6	mg/L	1	mg/L	143%

Notes:

Data in mg/L or pCi/g

RPD = Relative Percent Difference

NC = Not Calculable (Result less than MDC in one or both analyses)

## EXHIBIT B.2-1 - DATA VERIFICATION CHECKLIST, GUTERL STEEL RI

To satisfy the elements of EM-200-1-6, EM 200-1-6 (10 October 1997), *Environmental Quality - Chemical Quality Assurance for Hazardous, Toxic and Radioactive Waste (HTRW) Projects*, Section 3-1a. and 3-3a., Earth Tech performed data verification of radiological laboratory deliverables for the Guterl Steel RI. The specific data verification elements performed for the analyses performed on Guterl Steel Site radiological samples included:

- Review chain of custody form; verify that analyses requested were consistent with the FSP and QAPP.
- Review laboratory sample log-in. Verify that all samples are accounted for and log-ins consistent with chain-of-custody form and FSP/QAPP. Check for transcription errors.
- Review data reports.
  - Check data report for each chain-of-custody and log-in to verify that all samples are accounted for.
  - Check for problems or non-compliance issues noted by the laboratory (as documented in the narrative).
  - Verify that all samples were analyzed for the parameters requested by the method specified (including 'long count' analyses when requested).
  - Verify that the reported result is complete for each field sample. The report for each sample should include:
    - For all data packages, regardless of analyses and matrix, general items include:
      - Cover page, with lab name; project name; laboratory lot ID; client (Earth Tech); and laboratory project manager signature.
      - Case narrative; including observations and non-conformances.
      - Methodology summary (should be specific to the package; not a listing of every analytical method used by the laboratory).
      - Sample summary – cross-references laboratory ID and field sample ID; and date sample collected (transcribed from chain of custody form). Check for transcription errors (lab misinterpreting hand-written sample IDs).
      - Result for each sample.
      - QC data (at end of data package) which should include
        - Method blank (ideally all parameters should be "U" (not detected); occasionally a "J" value may be reported; in no cases should a method blank be reported with a target analyte present at a concentration greater than the RL).
        - Laboratory Control Sample (LCS); should show spike amount (concentration units); result (concentration units); and recovery (percent).

- LCS duplicate (LCSD) or matrix spike (MS)/MS duplicate; with raw results, recovery (%); and precision (relative percent difference; RPD).
- Percent solids log (non-aqueous samples only).
- Copy of the chain-of-custody form.
- Copy of the laboratory's "Condition Upon Receipt" form.
- Client Analysis Summary – should list in detail each individual sample and all analyses performed on that sample (including sample preparation steps).
- For alpha spectroscopy (isotopic uranium and thorium); radium 226 and radium 228 (EPA 903.0 MOD and EPA 904 MOD); and gross alpha and gross beta (SW-846 9310 MOD) – result should include:
  - Parameter/isotope; and method (e.g., "DOE A-01-R MOD"); and units in pCi/volume or mass (mass in L or g, depending on whether sample is aqueous or non-aqueous, respectively).
  - Result (number); should be two or three significant figures; except values less than 0.10 may be reported to one (non-zero) significant figure. Results should be reported on dry weight basis for non-aqueous samples.
  - Qualifier. If result is greater than value in the Reporting Limit (RL) field, no qualifier (field is blank). If result is greater than the minimum detectable concentration (MDC) but less than RL, the qualifier should be "J". If result is less than MDC (including any negative number), the qualifier should be "U".
  - Total uncertainty ( $\pm 2 \sigma$ ); reported to two significant figures.
  - MDC – reported to two significant figures.
  - Preparation date.
  - Analysis date.
  - Tracer yield (%) (not applicable to gross alpha/beta).
- Isotopic uranium by ICP-MS (SW-846 method 6020 MOD).
  - Result should contain the same items as listed above for alpha spectroscopy; except:
    - Sample preparation method (e.g., 3050B) should be specified.
    - Total uncertainty is not applicable.
    - Tracer yield is not applicable.
    - Internal standard(s) should be reported.

- Serial dilution analysis should be included in the QC (note that the laboratory standard operating procedure (SOP) requires serial dilution for each analytical batch); post-digestion spike is not required.
- Wet chemistry / conventional analyses
  - Total suspended solids (EPA MCAWW Method 160.2); aqueous samples only. Data should be reported in mg/L. Each result should also include the RL (nominally 1.0 mg/L); and QC should include a method blank; LCS; and sample duplicate (including RPD calculation).
  - Total Organic Carbon (SW-846 method 9060); non-aqueous samples only. Data should be reported in mg/kg, dry weight basis. Each result should also include the RL (nominally 10 mg/kg); and QC should include a method blank; LCS; and sample duplicate (including RPD calculation).

Data were also reviewed for reasonableness (concentrations reported are within expected range) and also for comparability (e.g., comparison of results achieved by different methods – on-site gamma spectroscopy, off-site gamma spectroscopy, alpha spectroscopy, ICP-MS).



TABLE EXHIBIT B.2-1  
OFF-SITE LABORATORY DATA VERIFICATION SUMMARY  
REMEDIAL INVESTIGATION FORMER GUTERL SPECIALY STEEL CORPORATION FUSRAP SITE

SDG (Lab Project No.)	Collection Date	Sample Types	Environmental Samples	Field Duplicates	Field Blanks	Gamma Spec	Alpha Spec (S or L)	Ra 226 and 228	Th-230 α-spec MB	Other Analyses	Comments/Non-conformance
F7H040188	7/31-8/1/07	GW U+F	8	0	0	--	U + Th (S)	√	0.26 J	α/β, TSS	Ra LCS out; data not affected. Report reissued 6/17/08
F7H060163	8/2/2007	GW U+F	4	2	0	--	U + Th (S)	√	0.26 J	α/β, TSS	α/β RLs elevated (2-3x) due to matrix; rept reissued 6/17/08
F7H080339	8/6-8/7/07	GW U+F	10	0	1 (Bkg)	--	U + Th (S)	√	0.20 J	α/β, TSS	Th-230=0.17 J in FB; report reissued to fix α-spec anomalies. Iso-U by ICP MS in SDG F7I050113.
F7H100131	8/8 - 8/9/07	GW U+F	10	0	0	--	U + Th (S)	√	0.31 J	α/β, TSS	U234=0.13 J pCi/L in MB; Gross α/β RL elevated
F7H100136	8/8/2007	FB	0	0	1	--	Th (S)	√	0.31 J	α/β	Th-230=0.25 J in FB
F7H110153	8/10/2007	GW U+F	2	0	2	--	U + Th (S)	√	0.31 J	α/β, TSS	U234=0.13 J pCi/L in MB; Gross α/β RL elevated
F7H150260	8/13 - 8/14/07	GW U+F	8	2	0	--	U + Th (S)	√	ND	α/β, TSS	α/β RLs elevated (2-3x) due to matrix
F7H170300	8/15-8/16/07	GW U+F	10	0	1 (A04D)	--	U + Th (S)	√	ND	α/β, TSS	α/β RLs elevated (2-3x) due to matrix
F7H180124	8/17/2007	GW U+F	4	0	0	--	U + Th (S)	√	ND	α/β, TSS	α/β RLs elevated (2-3x) due to matrix
F7H210198	8/20/2007	GW U+F	4	0	2	--	U + Th (S)	√	ND	α/β, TSS	Th tracer out in MS; lab states isolated anomaly; α/β RLs elevated. Th-230 = 1.21 pCi/L in FB "F".
F7H240274	8/23/2007	FB	0	0	1	--	Th (S)	√	ND	α/β	Gross α=1.39pCi/L in FB (A04B-FB-903)
F7I010155	8/28/2007	FB	0	0	1	--	U + Th (S)	√	0.11 J	None	Th-230 ND in FB A05A-FB-904
F7I050113	8/7/2007	FB	0	0	1	--	--	--	--	IsoU by 6020	BKG-FB-900 (U = ND at RL 1.0 ug/L); add'l request. Originally reported in F7H080339.
F7I060138	8/2/2007	BKGSL	24	0	0	--	U + Th (Long)	√	0.038 J	Gross α/β IsoU by 6020	α/β RLs elevated in some sample due to matrix. MS for α recovered high. Iso-Th QC issues on sample -001. All ICP-MS U and Th analyzed at DF of 2.5. Lab dup all params on F7I060138-011.
F7I070329	9/6/2007	FB	0	0	1	--	U + Th (S)	√	0.11 J	None	Th-230 0.18 pCi/L in FB B04-B09 FB 905
F7I130169	9/11 - 9/12/07	SW,SD	38	2	2	√ (SD only)	U + Th (S)	√	.144 (SD); .34 (SW)	TOC + moisture (both SD only)	Th-230 0.27 pCi/L in FB B03-FB-90 and 0.21 pCi/L in FB A09-FB-001. Also MS/MSD on A09-SW11+SD-11. Two SD samples insufficient volume to fill tuna can for rad analysis.
F7I140183	9/13/2009	FB	0	0	1	--	U + Th (S)	√	0.34 J	None	Th-228 0.40 pCi/L in FB A09-FB002; Th-230 ND in FB.
F7I210272	9/20/2009	FB	0	0	1	--	U + Th (S)	√	ND	None	Th-230 0.309 in B04-B09-FB 907
F7I260198	9/25/2009	SD	7	0	0	√	U + Th (S)	√	0.23 J	moisture	Matrix effect (oily sample) [A08 B24] caused insufficient sample after grinding.
F7I290124	9/26/2006	SW,SD	7	0	0	√ (SD only)	U + Th (S)	√	0.14 (SD); ND (SW)	None	Sample A08-B3-SW001 was oily and could not be put in tuna can; no alpha spec.
F7I290129	9/27/2008	FB	0	0	1	--	U + Th (S)	√	0.24 J	None	Th-230 0.13 in B24-FB 908
F7I290130	9/27/2009	SW,SD	10	0	0	√ (SD only)	U + Th (S)	√	0.054 (SD); ND (SW)	None	No issues reported by laboratory.
F7I290132	9/28/2009	SW,SD	12	0	0	√ (SD only)	U + Th (S)	√	0.116 (SD); ND (SW)	None	No issues reported by laboratory.
F7I290135	9/28/2009	SW,SD	8	2	2	√ (SD only)	U + Th (S)	√	0.21 (SD); ND (SW)	None	No issues reported by laboratory. Dups are A08/A01-SW056 and -SD056. Th-230=.367 pCi/L and Th 232=.111 pCi/L in FB A08-FB-001; all ND in A08-FB002
F7J030280	10/1/2007	SW,SD	15	2	1	√ (SD only)	U + Th (S)	√	0.21 (SD); 0.24 (SW)	None	No issues relevant to Guterl COPCs reported by laboratory. Dups are A08-B3-SW-056 and -SD056. All ND in FB A08-FB003
F7J040134	10/3/2007	SW,SD	11	0	1	√ (SD only)	U + Th (S)	√	0.06 (SD); 0.15 (SW)	None	Oily substance in A08-B3-SD014; elevated Ra-228 RLTh-230=.104 pCi/L in FB A08-FB004
F7J050302	10/4/2007	SW,SD	6	0	1	√ (SD only)	U + Th (S)	√	0.075 (SD); 0.15 (SW)	None	No issues relevant to Guterl COPCs reported by laboratory. All ND in FB B02-FB-909
F7J120265	10/11/2007	SD	1	0	1	√ (SD only)	U + Th (S)	√	0.083 (SD); 0.22 (SW)	None	No issues reported by laboratory. Th-230=0.18 pCi/L in FB A10-FB-910 (logged as A1U-FB-910 by lab).
F7J190223	10/18/2007	FB	0	0	1	--	U + Th (S)	√	0.11 J	None	No issues reported by laboratory. Th-230=0.23 pCi/L and Ra-226=0.24 pCi/L in FB B08-FB-911.
F7J220140	8/14 - 9/19/07	SL	22	0	0	√	U + Th (S)	√	See comments	None	U238 detected in 2 of 3 MB (ND, .046, .094 pCi/g). Th-230 in both MB (.067, .021 pCi/g). 3 Samples high U activity and were diluted (B24-SL001-01, -02, -03)
F7J250223	10/24/2007	SW,SD, SL	6	0	0	√ (SD and SL only)	U + Th (S)	√	0.137 (SD); ND (SW)	None	No issues reported by laboratory.
F7J260180	10/25/2007	FB	0	0	1	--	U + Th (S)	√	0.11 J	None	No issues reported by laboratory. Th-230=0.22; U-234=0.55, and U-238 = pCi/L in FB B03-FB-912.
F7K020238	10/30/2007	BM	20	0	0	√	U + Th (S)	√	ND	None	No issues reported by laboratory.
F7K020331	10/30/2007	BM	18	2	0	√	U + Th (S)	√	0.15 J	None	Dups are B06-BM051 and -BM052
F7K020335	10/30/2007	BM	2	0	2	√	U + Th (S)	√	See comments	None	Th-230 = 0.30 pCi/L in aqueous MB; U-238 = 0.059 pCi/g in soil MB. Th-230 = 0.34 pCi/L in FB BM 001; ND in BM FB 003
F7K020337	11/1/2007	FB	0	0	1	--	U + Th (S)	√	0.30 J	None	No issues reported by laboratory. Th-230=0.23 pCi/L in FB A04-FB-913.
F7K090252	11/8/2007	SL	1	0	0	√	U + Th (S)	√	ND	None	No issues reported by laboratory. Sample ID A08-B1-SL001.
F7K090259	11/7/2007	FB	0	0	1	--	U + Th (S)	√	ND	None	No issues reported by laboratory. Th-230=0.13 pCi/L in FB AI010-FB-914.
F7K140153	11/12-11/13/07	MW	10	0	0	--	U + Th (S)	√	0.15 J	α/β, TSS	α/β RLs elevated due to matrix; no other issues noted. Th-228 also in MB at 0.18 J pCi/L

TABLE EXHIBIT B.2-1  
OFF-SITE LABORATORY DATA VERIFICATION SUMMARY  
REMEDIAL INVESTIGATION FORMER GUTERL SPECIALY STEEL CORPORATION FUSRAP SITE

SDG (Lab Project No.)	Collection Date	Sample Types	Environmental Samples	Field Duplicates	Field Blanks	Gamma Spec	Alpha Spec (S or L)	Ra 226 and 228	Th-230 α-spec MB	Other Analyses	Comments/Non-conformance
F7K150281	11/13-11/14/07	MW	18	2	0	--	U + Th (S)	√	0.33 J	α/β, TSS	α/β RLs elevated due to matrix; no other issues noted. Dups are A04AMW-70F & -70U.
F7K160262	11/14-11/15	MW	18	2	2	--	U + Th (S)	√	0.13 J	α/β, TSS	α/β RLs elevated due to matrix; no other issues noted. Dups are A02DMW-54F & -54U.
F7K190189	11/15-11/16/07	MW	14	0	0	--	U + Th (S)	√	0.18 J	α/β, TSS	α/β RLs elevated due to matrix; no other issues noted. Also U234 at .10 and U238 at .17 in MB.
F7K270118	11/26/2007	IDW-L	1	0	TB	--	--	--	NA	VOC, PCB, Metal	Minor VOC exceedances; data quality not affected.
F7L200110	11/9/2007	SL	12	0	0	√	U + Th (S)	√	0.096 J	None	See report for discussion of alpha spec issues. No issues noted for other analyses.
F7L200114	9/3-11/7/07	SL	31	0	0	√	U + Th (S)	√	See comments	None	See lab report for discussion of alpha spec issues. No issues noted for other analyses. Th-230 in all 4 MB from 0.070 to 0.116 pCi/g; Th-232 in 1 of 4 at 0.062 pCi/g.
F7L200115	9/4/2007	SL	24	0	0	√	U + Th (S)	√	See comments	None	alpha-spec Th: one low tracer recovery; re-prepped - then OK. No issues noted for other analyses. Th-230 in 2 of 3 MB at 0.074 and 0.172 pCi/g; Th-228 in 1 of 3 at 0.119 pCi/g.
F7L200116	9/4-11/9/07	SL	23	0	0	√	U + Th (S)	√	See comments	None	2 iso-U samples diluted due to high activity. No issues noted for other analyses. Th-230 in both MB at 0.074 and 0.084 pCi/g; Th-228 in 1 of 2 at 0.119 pCi/g. U-234 (.054) and U-238 (.109) in 1 of 3 MB.
F7L200117	10/23-11/9/07	SL	25	0	0	√	U + Th (S)	√	See comments	None	No issues noted by laboratory. Th-230 in both MB at 0.084 and 0.172 pCi/g; U not detected in MBs.
F7L200118	9/4-10/24/07	SL	41	0	0	√	U + Th (S)	√	See comments	None	No issues noted by laboratory. MB#1 - Th228 = 0.087; Th230= 0.053; U234 = 0.059; U238 = 0.067 pCi/g. MB#2 U - Th-230 228 = 0.104; Th 230= 0.117; U238 = 0.054 pCi/g.
F7L200120	9/1-11/15/07	SL	42	0	0	√	U + Th (S)	√	See comments	None	One sample - insufficient volume for Ra226 (gamma). IsoTh - RPD/RER outside criteria, LCS OK; sample heterogenous (10 samples). MB#1 - Th230 = 0.125; Th232= 0.030; U = ND. MB#2 - Th230 = 0.033; U234= 0.080; U238 = 0.111 pCi/g. MB#3 - Th230 = .060, U=ND.
F7L200121	9/24-11/13/07	SL	35	0	0	√	U + Th (S)	√	See comments	None	Data OK after re-extract/re-prep. MB#1 - all ND. MB#2 - Th230 = 0.069; U234= 0.068. MB#3 - Th230 = ND (U not analyzed).
F7L200122	10/3-10/24/07	SL	22	0	0	√	U + Th (S)	√	0.119	None	No issues noted by laboratory. U234 also detected in MB at 0.029 pCi/g.
F7L200356	9/24-11/7/07	SL	24	0	0	--	U + Th (S)	√	See comments	None	Ra(GFPC) - RPD/RER outside criteria, LCS OK; sample heterogenous (11 samples). MB#1 - Th230 = 0.083; U234 = 0.068. MB#2 - Th228 = 0.089, Th230 = 0.173; U235/6= 0.036; U238 = 0.047 pCi/g.
F7L200384	9/24/2007	SL	25	0	0	√	U + Th (S)	√	See comments	None	No issues noted by laboratory. MB#1 - Th230 = 0.112, U=ND. MB#2 - Th30 = 0.085, U238 = 0.046 pCi/g.
F7L200385	9/24-10/25/07	SL	25	0	0	√	U + Th (S)	√	See comments	None	Data OK after re-extract/re-prep (1 sample). MB#1 - Th 228 = 0.065, Th230 = 0.081, Th232 = 0.046, U = ND. MB#2 - Th228 = 0.054, Th230 = 0.068, U = ND.
F7L200386	10/30-11/15/07	SL	24	0	0	√	U + Th (S)	√	See comments	None	Data OK after re-extract/re-prep (1 sample). 9 samples high U; diluted. MB#1 - Th230 = 0.140, U234 = 0.189, U238 = 0.34. MB#2 - Th228 = 0.124, Th230 = 0.077, U = ND. MB#3 Th230 = 0.34.
F7L200387	9/1 & 11/9/07	SL	2	0	0	√	U + Th (S)	--	0.228		1 sample for gamma, 1 sample for alpha spec. Data OK after re-extract/re-prep (iso Th).
F7L200388	10/3-11/15/07	SL	40	0	0	√	U + Th (S)	√	See comments	None	Data OK after re-extract/re-prep (iso-Th). Ra226(GPFC) 2 samples possible low bias, carrier yield high. MB#1 - Th230 = 0.116, U = ND. MB#2 - Th228 = 0.106, Th230 = 0.080, U238 = 0.049. MB#3 Th230 = 0.128 (U not analyzed).
F7L200389	10/8 - 11/6/07	SL	38	0	0	√	U + Th (S)	√	See comments	None	Data OK after re-extract/re-prep (iso-Th). MB#1 - Th230 = 0.128, Th232=0.170, U234 = 0.049. MB#2 Th228 = 0.149, Th230 = 0.122, U234 = 0.028. MB#3- Th228 = 0.106, Th230 = 0.080.
F7L200390	9/3 & 11/9/07	SL	23	0	0	√	U + Th (S)	√	See comments	None	No issues noted by laboratory. MB#1 - Th228 = 0.087, Th230 = 0.071, U234 = 0.030. MB#2 - Th30 = 0.073, U234 = 0.036, U238 = 0.087 pCi/g.
F7L210144	9/5/2007	SL	23	0	0	√	U + Th (S)	√	See comments	None	Data OK after re-extract/re-prep (iso-Th and iso-U). MB#1 - Th228 = 0.065, Th230 = 0.098, Th232 = 0.050, U=ND. MB#2 and MB#3 - all ND.
F7L210146	9/5 - 10/30/07	SL	12	0	0	√	U + Th (S)	√	See comments	IsoU by 6020; gross α/β	All α/β re-prepped due to MB contamination. MS for α/β outside limit, LCS OK, "matrix interference physically evident." Ra228(GPFC) 1 samples possible low bias, carrier yield high. Alpha spec - U RPD outside limits; LCS OK; sample heterogenous. MB#1 - Th 230 = 0.158, U234 = .052, U238 = 0.082. MB#2 - Th = ND. 6020-all samples diluted - high U concentrations - MS did not recover (sample conc > 4X spike conc).
F8D020249	10/9 - 11/9/07	SL	20	0	0	√	U + Th (S)	√	See comments	None	No issues noted by laboratory. MB#1 - Th230 = 0.034, U = ND. MB#2 - Th30 = ND, U238 = 0.122 pCi/g.
F8D030261	9/5 - 11/5/07	SL	3	0	0	--	U + Th (S)	√	ND	None	No issues noted by laboratory.
F8D110275	4/10/2008	SL	13	0	0	--	--	--	NA	TOC	Not dry wt corrected but samples dried before analysis. TOC = 6.5 J mg/kg in MB (RL = 100 mg/kg). Lab MS/D + dup OK.
F8D190143	9/24/2007	SL	12	0	0	--	U+Th (L)	--	ND	None	Rerun as long count (initial short count as F7L210146). U234 and Th230 - RPD/RER not met, LCS OK; heterogenous sample. Iso-Th low tracer recovery (initial & re-prep) (3 samples).

TABLE EXHIBIT B.2-1  
OFF-SITE LABORATORY DATA VERIFICATION SUMMARY  
REMEDIAL INVESTIGATION FORMER GUTERL SPECIALY STEEL CORPORATION FUSRAP SITE

SDG (Lab Project No.)	Collection Date	Sample Types	Environmental Samples	Field Duplicates	Field Blanks	Gamma Spec	Alpha Spec (S or L)	Ra 226 and 228	Th-230 α-spec MB	Other Analyses	Comments/Non-conformance
F8E220295	5/21/2008	SL	34	34	0	√	U + Th (S)	√	See comments	None	This SDG is all field duplicates of previously analyzed samples. A05BSL-001-053 ID corrected to A05BSL-001-063. Ra226(GPFC) carrier yield high; truncated; poss low bias. Gamma spec - 2 samples insufficient volume (tuna can not full). Alpha spec OK after re-prep/re-extract (3 samples). MB#1 - Th228 = 0.050, Th230 = 0.052, U = ND. MB#2 - Th230 = 0.164, U = ND.
F8H290189	8/21/2008	SL	12	12	0	--	U+Th (S)	--	ND	None	All duplicates. No issues noted by laboratory.
F8J060169	8/15-11/9/07	SL	12	12	0	--	--	√	NA	None	All duplicates. Submitted to lab 10/3/08. Carrier recovery high, truncated; LCS OK; poss low bias (all 12 samples affected).

**Notes:**  
GW = groundwater; U = unfiltered; F = filtered  
SW = surface water; SD = sediment  
BM = building material  
IDW-L = investigation derived waste (liquid)  
SL = soil  
BKGSL = background soil  
FB = field (rinsate) blank  
MB = laboratory method blank  
ND = not detected; NA = not applicable  
TSS = total suspended solids  
SDG = sample delivery ground  
LCS = laboratory control sample  
RL = reporting limit  
pCi/L = picocurie per liter  
SD = sediment  
TOC = total organic carbon  
VOC = volatile organic compound