



March 2, 2010

Mr. Matthew Huyser
On-Scene Coordinator
U.S. Environmental Protection Agency, Region 4
61 Forsyth Street, SW, 11th Floor
Atlanta, Georgia 30303

**Subject: Final CERCLA Removal Action Letter Report
Seven Out
Waycross, Ware County, Georgia
EPA Contract No. EP-W-05-054
TDD No. TTEMI-05-001-0076**

Dear Mr. Huyser:

The Tetra Tech EM Inc. (Tetra Tech) Superfund Technical Assessment and Response Team (START) is submitting this final letter report summarizing removal action activities at the Seven Out site located in Waycross, Ware County, Georgia, from March 25 through July 28, 2009.

Appendix A contains two figures that illustrate the site location and layout. Appendix B includes a photographic log of field activities. Appendix C contains a copy of Tetra Tech START's field logbook notes for this project. Appendix D presents a table of witnesses.

BACKGROUND

The Seven Out site is located at 901 Francis Street in Waycross, Ware County, Georgia, in a mixed-land-use area. The site is bounded by Francis Street to the north, Folks Street to the east, and property owned by CSX Railroad to the south and west (see Figure 1 in Appendix A). The property has been owned by Seven Out, LLC since 2002, but was used primarily by BCX, Inc., from January 2003 until some time in 2004.

The site consists of a small service building and a tank farm containing dozens of tanks, both horizontal and vertical, with associated piping and valve works (see Figure 2 in Appendix A). A small building fronts the operation on Francis Street, but is not a part of the site and is privately owned. BCX treated industrial wastewater at the site and released the treated water to the City of Waycross (City) publicly owned treatment works (POTW). Because BCX failed to meet the discharge permit requirements, the City terminated BCX's permit on March 1, 2004, and disconnected the effluent connection. BCX, however, continued to accept wastewater for treatment, eventually filling all 37 permanent on-site tanks. Four temporary storage tanks were then brought on site to store additional water. At some time in 2004, BCX abandoned the site, leaving approximately 350,000 gallons of liquid waste and an estimated 150,000 gallons of sludge or solids at the site.

In August 2004, Tetra Tech performed a removal assessment at the site. Thirty-three waste samples and four soil samples were collected. Detectable concentrations of organic and inorganic constituents were found in the tank samples, although not at levels that would qualify any of the materials as hazardous waste. On January 27, 2005, EPA again visited the site in response to a request from the Georgia

Department of Natural Resources Environmental Protection Division. Water was observed overtopping the secondary containment wall and flowing into a nearby drainage ditch at the facility. EPA therefore initiated an emergency removal action to stabilize the facility and remove the water impounded in the secondary containment and the temporary storage units outside the secondary containment. EPA removed almost 350,000 gallons of wastewater and other liquid waste. The sludges were not addressed during this response.

An EPA cost-recovery investigation identified several entities as potentially responsible parties (PRP) for the site. On July 30, 2008, EPA and the PRPs entered into an Administrative Settlement Agreement and Order on Consent (AOC) to conduct removal activities at the Seven Out site in accordance with the National Oil and Hazardous Substances Pollution Contingency Plan. In response, the PRP group hired Winter Environmental Services (Winter), as the prime remediation contractor. Winter submitted a work plan, subsequently approved by EPA, which called for an initial round of sampling to delineate the nature and volume of the remaining wastes at the site. EPA tasked Tetra Tech to provide oversight of Winter's sampling activities to ensure they were conducted in accordance with the work plan. Additionally, Tetra Tech was asked to collect split samples of selected waste to evaluate whether Winter's contracted laboratory was analyzing the waste properly and to ensure that Winter was reporting the results accurately to EPA.

Tetra Tech conducted oversight and sampling activities with Winter in November 2008. Tetra Tech observed Winter sample tanks, drums, and totes during this time. Additionally, Tetra Tech assisted Winter with the collection of samples from various unknown containers in a small storage shed using Level B personal protective equipment (PPE). Tetra Tech collected 10 split samples with Winter, or 12 percent of the total samples collected by Winter as a quality control check. All samples indicated some metals contamination. Volatile organic compounds (VOC) and semivolatile organic compounds (SVOC) also were found in the samples. Comparison of results obtained from Winter's procured laboratory with Tetra Tech's results for the same samples revealed several discrepancies. Tetra Tech's results exceeded Winter's by an order of magnitude for some analytes. Possible explanations for the differences in Winter's and Tetra Tech's data include: (1) liquid samples may have stratified slightly before the samples were split or prior to analysis by the laboratories, thus affecting the homogeneity; (2) solids may not have been completely homogenized before the sample was split; (3) samples may have been improperly stored prior to shipment and/or at the lab; (4) laboratory analysis error(s) may have occurred. Tetra Tech was not tasked with determining the cause of the discrepancy between analytical results of Tetra Tech's and Winter's data, and Winter proceeded with the data generated from its laboratory. For a complete discussion of the characterization sampling event, refer to Tetra Tech's Final Sampling Event Letter Report submitted on November 30, 2009.

Winter received sampling results in late December 2008. In contrast to the sampling performed during the removal assessment in 2004, several tanks were found to contain constituents at concentrations exceeding limits for disposal of non-hazardous substances specified in the *Code of Federal Regulations* (CFR) Part 40, Section 261. Additionally, the sheer volume of material was twice the original estimate of 130,000 gallons. Winter estimated a final volume of 245,000 gallons, not including the impounded rainwater in the secondary containment. Winter altered its work plan to deal with the inclusion of hazardous wastes and the increased volume requiring additional funding by the PRP group to cover the unexpected costs. This led to a delay in mobilization later than the date negotiated in the AOC. In response to Winter's request, EPA agreed to extending the mobilization date to March 25, 2009.

REMOVAL ACTION ACTIVITIES

In order to gauge the PRP group's progress in removing the waste from the site, EPA On-scene Coordinator (OSC) Huyser made several site visits throughout the duration of the removal action. During periods when direct EPA oversight was not possible, OSC Huyser requested Tetra Tech oversee work being conducted at the site. Tetra Tech was provided a copy of the approved work plan, and made periodic reports back to OSC Huyser on site progress and activities within the context of the approved work plan. It was, however, the sole responsibility of OSC Huyser to determine if fundamental deviations from the approved work plan had occurred. The following section summarizes Winter's reports (both weekly and final) detailing its activities between Tetra Tech and EPA site visits. For complete details of activities observed by Tetra Tech, see the logbook notes in Appendix C. Details of Winter's interim activities derive from conversations with Winter personnel during site visits, biweekly progress reports provided by Winter, and Winter's *Removal Action Report, Seven Out Tank Superfund Site*, submitted to EPA on September 17, 2009.

On March 25, 2009, Tetra Tech START and Winter arrived at the Seven Out property to initiate removal action activities. A significant amount of standing water from recent rain events was observed within the containment areas. Winter used a vacuum truck to pump rainwater from the containment areas into temporary storage tanks (also known as "frac" tanks). Winter also re-secured safety fencing previously installed around the tank farm. Tetra Tech demobilized from the site on March 27, 2009.

During Tetra Tech's absence from the site, Winter continued to collect stormwater from the containment areas and place it into frac tanks. After Winter obtained a stormwater discharge permit from the City of Waycross publicly owned treatment works (POTW) on March 31, 2009, this water was pumped from the frac tanks into the sanitary sewer system. Per an ongoing arrangement, the City analyzed samples from the frac tanks and notified Winter verbally that the material was allowable for release into the POTW. The City provided no documentation of the acceptance, and only verbal notification was provided to Winter. Winter also removed waste from tanks ST-1, ST-2, CT-2, CT-3, CT-4, CT-5, T-1, T-3, T-7, T-8, T-9, T-12, T-15, DAF, DAF2, DP-2, CD-1, and CD-3. These wastes were placed into containment boxes from March 30 to April 24, 2009.

Also during the interim in site visits, Winter experienced problems obtaining non-hazardous disposal approval from Republic Services, the disposal vendor selected to receive non-hazardous wastes. Republic requested resampling of several wastes due to insufficient profiling. Winter had provided data obtained by Tetra Tech during the removal assessment in 2004 that supported approval of some containers; however, Republic rejected several containers, requesting additional data prior to issuing approval.

Tetra Tech START returned to the site from April 22-24, 2009, to observe removal activities. Tetra Tech observed Winter pumping and vacuuming materials from tanks CD-1, CD-3, and SS-2 into containment boxes. Winter reported to Tetra Tech that air monitoring was conducted as each tank was opened by either using the access hatch or cutting open the top of the tank. Winter utilized a non-sparking power saw to cut access holes as necessary. Based on air monitoring readings, Winter personnel conducted removal activities in Level C PPE. Winter used blowers to ventilate tanks as necessary prior to conducting removal activities. Tetra Tech observed Winter conducting air monitoring throughout ventilation and removal activities.

Winter informed Tetra Tech of the disposal profiling issues, and that Winter would be re-sampling tanks SH-1, SH-2, SH-4, SS-1, RW-1, RW-2, CT-1, T-2, DP-1, T-4, T-5, T-6, and T-7B on April 27-28 to satisfy Republic's request for additional data. Tetra Tech demobilized from the site on April 24.

From April 27 to May 22, 2009, Winter removed waste from tanks SS-2, CT-1, CT-6, CT-7, CT-8, T-2, DP-1, OP-2, OP-3, SH-1, SH-2, and SH-3, and placed it into containment boxes. Winter also conducted tank decontamination by pressure washing tanks T-1, T-3, T-7, T-8, T-9, T-12, T-15, DAF, DAF-2, CT-2, CT-3, CT-4, CT-5, CT-6, CT-7, CT-8, ST-1, ST-2, and CD-3 from May 4-8, 2009.

Also during this interim, Winter obtained results of the resampling efforts required to obtain non-hazardous disposal approval from Republic. After reanalysis, all but one of the containers (RW-2) originally determined to be non-hazardous were approved for non-hazardous disposal at the Republic Broadhurst Landfill in Screven, Georgia.

Tetra Tech returned to the Seven Out site on June 3, 2009, to observe ongoing removal activities. Because of operational issues with hose connections to the frac tanks, Winter was observed pumping stormwater directly from the containment to the sanitary sewer. Winter informed Tetra Tech that Winter had obtained verbal approval from the City prior to conducting this activity. At this time, Winter was observed conducting removal activities at tank CD-2. Tetra Tech demobilized at the end of the day on June 3, and Winter continued to remove waste from tanks SS-1, SH-4, OP-4, RW-1, and RW-2 from June 1 to July 17, 2009. Decontamination and closure of tanks CT-1, CT-8, ST-1, ST-2, DAF, DAF2, T-1, T-2, T-3, T-7, T-8, T-9, T-12, T-15, CD-1, CD-2, and CD-3 occurred from June 15-19, 2009. Decontamination of tanks SH-1, SH-2, SH-3, SH-4, OP-1, OP-2, OP-3, OP-4, SS-1, SS-2, DP-1, DP-2, RW-1, RW-2, T-4, T-5, T-6, and T-7B was performed from June 22 to July 17, 2009. On July 17, 2009, Winter reported that all pipes had been vacuumed out and disconnected from all tanks.

Tetra Tech's last observation of site activities occurred on July 28, 2009. Tetra Tech observed Winter bolting down sump grates upon request from OSC Huyser based on concerns of potential trespassers. Winter was also pressure washing concrete areas, and packing equipment and supplies for demobilization from the site. Tetra Tech observed three roll-off boxes and two temporary storage tanks remaining at the site. Winter informed Tetra Tech that removal of the containers was scheduled for July 29, 2009. Winter reported that its equipment and personnel demobilized from the site on July 28, 2009.

As of September 16, 2009, Winter reported approximate final totals of hazardous and non-hazardous waste disposed of from the Seven Out site. Table 1 lists these amounts of waste disposed of and the associated disposal facility. Winter also reported approximately 300,000 additional gallons of stormwater were discharged to the City's POTW.

Table 1
Seven Out Waste Disposal

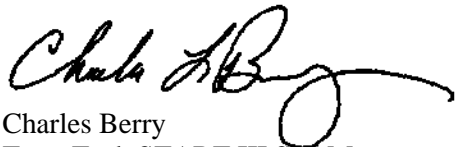
Waste Type	Shipping Name (From Manifests)	RCRA Waste Codes	Disposal Facility/Location	Quantity
Hazardous	Hazardous Waste Liquid, N.O.S., NA3082	D002 D006 D007	Vickery Environmental, Inc 3958 State Route 412 Vickery, OH 43484	4,800 Gallons
Hazardous	Waste Corrosive Liquid, Basic, Inorganic, N.O.S., UN3268 (Sodium Hydroxide)	D002	Vickery Environmental, Inc 3958 State Route 412 Vickery, OH 43484	1,140 Gallons

Mr. M. Huyser
March 2, 2010

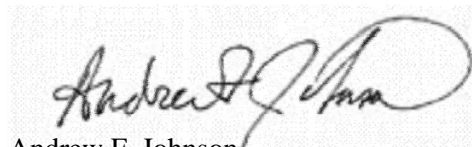
Waste Type	Shipping Name (From Manifests)	RCRA Waste Codes	Disposal Facility/Location	Quantity
Hazardous	Waste Corrosive Liquid, Acidic, Inorganic, N.O.S., UN3264, (Sulfuric Acid)	D002	Vickery Environmental, Inc 3958 State Route 412 Vickery, OH 43484	4,046 Gallons
Hazardous	Hazardous Waste Solid, N.O.S., NA3077	D018	Michigan Disposal WTP 49350 North I94 Service Drive Belleville, MI 48111	107.5 Tons
Non-Hazardous	Non-Hazardous Tank Bottoms and Washout Water	NA	Republic-Broadhurst Screven, Georgia	896.5 Tons
Non-Hazardous	Non-Hazardous Debris	NA	Republic-Broadhurst Screven, Georgia	8.4 Tons
Non-Hazardous	Non-Hazardous, Non-Regulated Materials, (Liquids)	NA	EQ Florida, Inc. 2002 north Orient Blvd. Tampa, FL 33619	1,240 Gallons

If you have any questions or need additional copies of this report, please contact Charles Berry, at (678) 775-3098.

Sincerely,



Charles Berry
Tetra Tech START III Site Manager



Andrew F. Johnson
Tetra Tech START III Program Manager

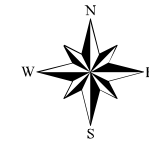
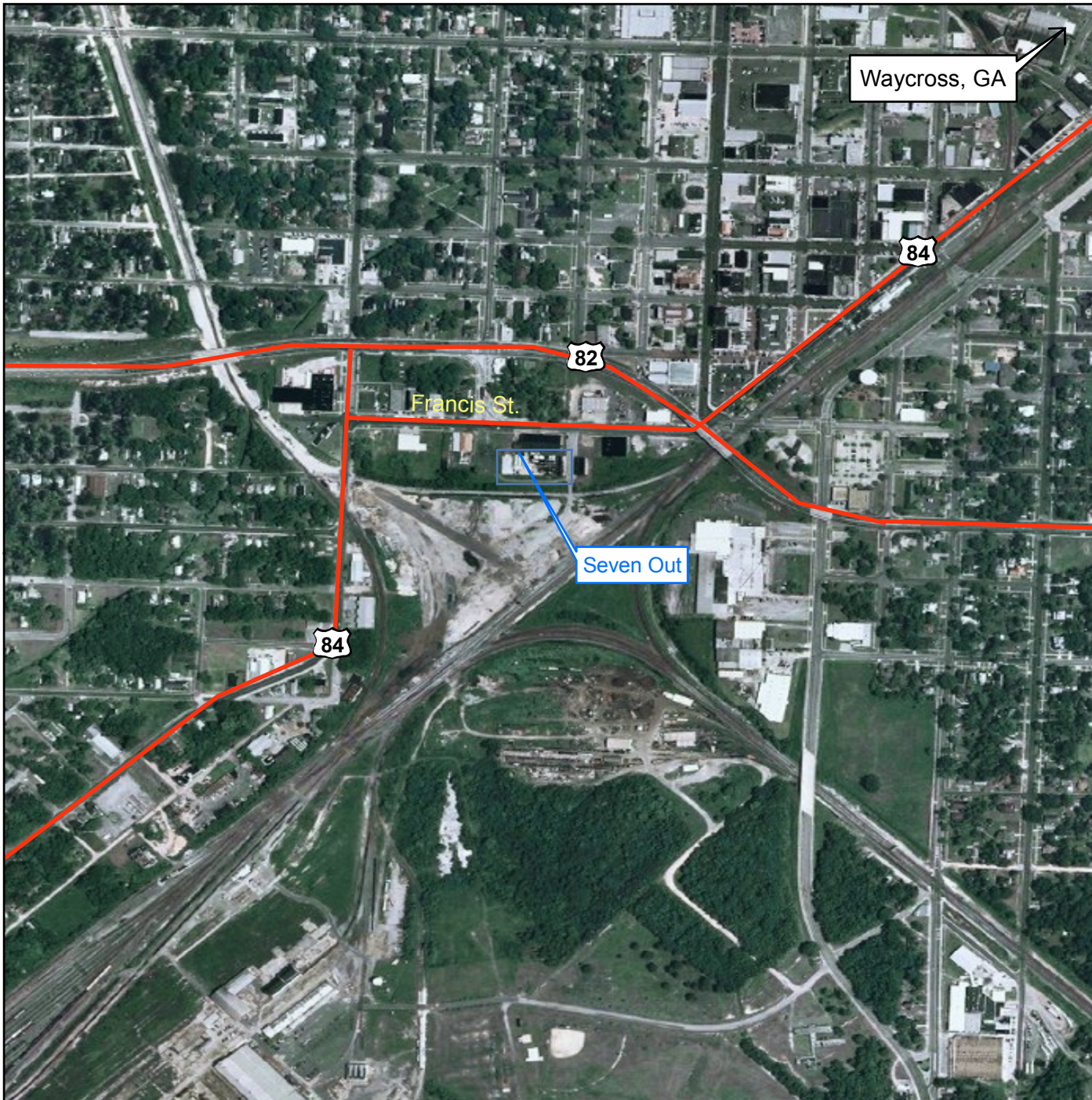
Enclosures (4)

cc: Katrina Jones, EPA Project Officer
Darryl Walker, EPA Alternate Project Officer
Brian Croft, START III Task Order Manager
Angel Reed, START III Document Control Coordinator

APPENDIX A

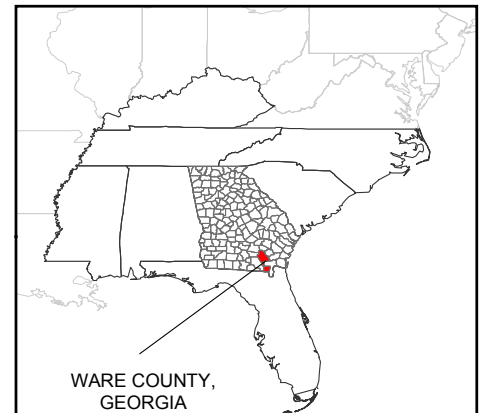
FIGURES

(Two Pages)



1:9,000
0 0.05 0.1 0.2 Miles

MAP SOURCE: ArcGIS
WARE COUNTY, GEORGIA

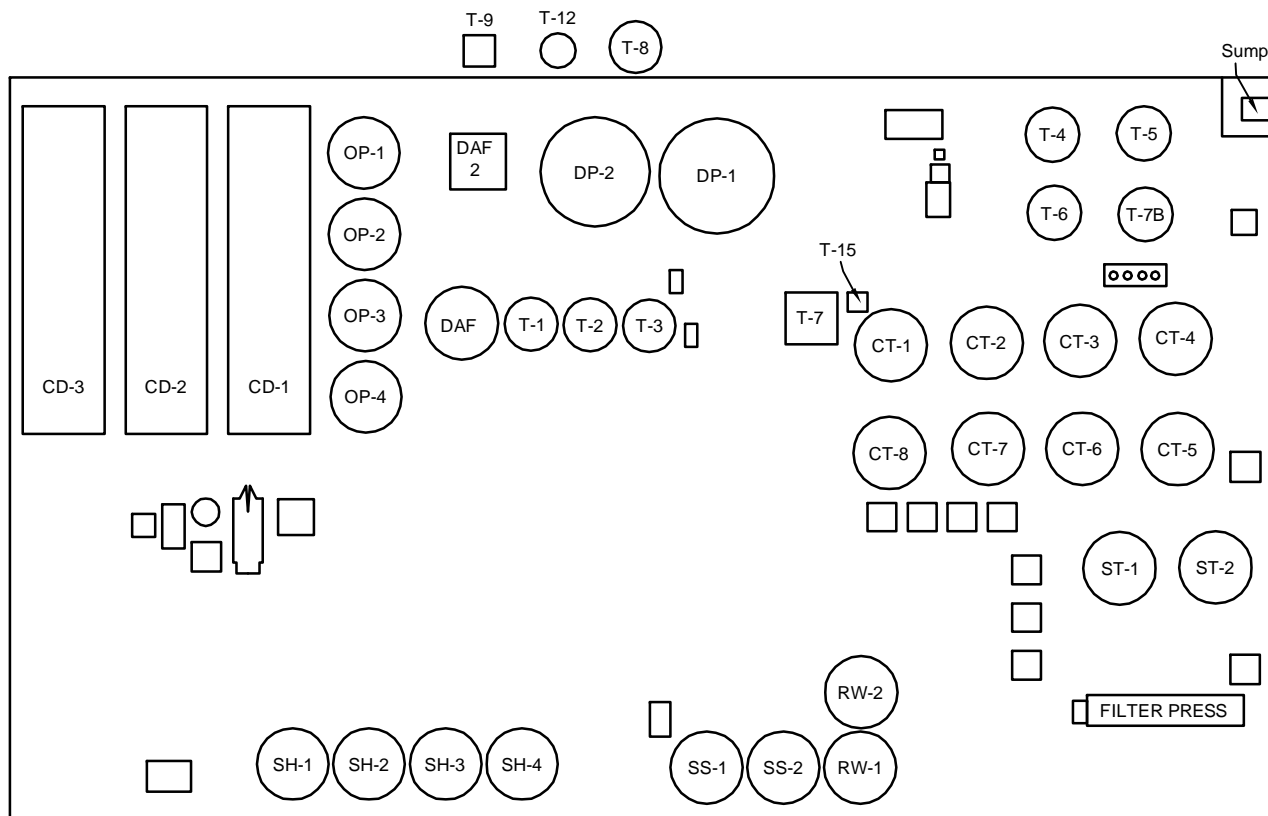


United States Environmental Protection Agency

SEVEN OUT
WAYCROSS, WARE COUNTY, GEORGIA
TDD: TTEMI-05-001-0076

**FIGURE 1
SITE LOCATION**





DRAWING
NOT TO
SCALE



United States Environmental Protection Agency

SEVEN OUT
WAYCROSS,
WARE COUNTY
GEORGIA
TDD No. TTEMI-05-001-0076

**FIGURE 2
FACILITY LAYOUT**



APPENDIX B
PHOTOGRAPHIC LOG
(Thirty-one Pages)



OFFICIAL PHOTOGRAPH NO. 1
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number: TTEMI-05-001-0076

Location: Seven Out Tank

Orientation: West

Date: March 25, 2009

Photographer: Paul Prys, Tetra Tech

Witness: J. Kooms, Winter Environmental

Subject: Standing water in the secondary containment area, located at 901 Francis Street, Waycross, Ware County, Georgia.





OFFICIAL PHOTOGRAPH NO. 2
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0076	Location:	Seven Out Tank
Orientation:	West Northwest	Date:	March 25, 2009
Photographer:	Paul Prys, Tetra Tech	Witness:	J. Kooms, Winter Environmental
Subject:	Standing water inside and surrounding the secondary containment concrete knee wall.		





OFFICIAL PHOTOGRAPH NO. 3
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number: TTEMI-05-001-0076

Location: Seven Out Tank

Orientation: Northwest

Date: March 25, 2009

Photographer: Paul Prys, Tetra Tech

Witness: J. Kooms, Winter Environmental

Subject: Winter Environmental Services (Winter) utilizes generator to power pumping apparatus to collect standing water.





**OFFICIAL PHOTOGRAPH NO. 4
U.S. ENVIRONMENTAL PROTECTION AGENCY**

TDD Number: TTEMI-05-001-0076

Location: Seven Out Tank

Orientation: North Northwest

Date: March 25, 2009

Photographer: Paul Prys, Tetra Tech

Witness: J. Kooms, Winter Environmental

Subject: Winter stages tanker at the northeast corner of the containment area and pumps standing water from the secondary containment area into the frac tanker.





OFFICIAL PHOTOGRAPH NO. 5
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number: TTEMI-05-001-0076

Location: Seven Out Tank

Orientation: Southeast

Date: March 25, 2009

Photographer: Paul Prys, Tetra Tech

Witness: J. Kooms, Winter Environmental

Subject: Winter continues to remove standing rain water from the secondary containment area.





OFFICIAL PHOTOGRAPH NO. 6
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number: TTEMI-05-001-0076

Location: Seven Out Tank

Orientation: Northwest

Date: March 26, 2009

Photographer: Paul Prys, Tetra Tech

Witness: J. Kooms, Winter Environmental

Subject: Winter stages a second frac tanker to collect the standing water.





OFFICIAL PHOTOGRAPH NO. 7
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number: TTEMI-05-001-0076

Location: Seven Out Tank

Orientation: West

Date: March 26, 2009

Photographer: Paul Prys, Tetra Tech

Witness: J. Kooms, Winter Environmental

Subject: Standing water is receding from the southwest portion of the facility.





OFFICIAL PHOTOGRAPH NO. 8
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number: TTEMI-05-001-0076

Location: Seven Out Tank

Orientation: North Northwest

Date: March 26, 2009

Photographer: Paul Prys, Tetra Tech

Witness: J. Kooms, Winter Environmental

Subject: Winter collects rain water from the northeast section of the primary containment area.





OFFICIAL PHOTOGRAPH NO. 9
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number: TTEMI-05-001-0076

Location: Seven Out Tank

Orientation: Northwest

Date: March 26, 2009

Photographer: Paul Prys, Tetra Tech

Witness: J. Kooms, Winter Environmental

Subject: Winter completes rain water collection in the primary containment area.





OFFICIAL PHOTOGRAPH NO. 10
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number: TTEMI-05-001-0076

Location: Seven Out Tank

Orientation: East Southeast

Date: March 26, 2009

Photographer: Paul Prys, Tetra Tech

Witness: J. Kooms, Winter Environmental

Subject: Winter completes removal of rain water from the primary containment area.





OFFICIAL PHOTOGRAPH NO. 11
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0076	Location:	Seven Out Tank
Orientation:	N/A	Date:	March 26, 2009
Photographer:	Paul Prys, Tetra Tech	Witness:	J. Kooms, Winter Environmental
Subject:	A turtle survives the flooding but has a slight sheen of rain water and organic muck.		





OFFICIAL PHOTOGRAPH NO. 12
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number: TTEMI-05-001-0076

Location: Seven Out Tank

Orientation: East Northeast

Date: March 26, 2009

Photographer: Paul Prys, Tetra Tech

Witness: J. Kooms, Winter Environmental

Subject: Winter stages totes along the southern perimeter of the primary containment area.





OFFICIAL PHOTOGRAPH NO. 13
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number: TTEMI-05-001-0076

Location: Seven Out Tank

Orientation: East Southeast

Date: March 26, 2009

Photographer: Paul Prys, Tetra Tech

Witness: J. Kooms, Winter Environmental

Subject: Winter completes removal of rain water located along the south to southwestern boundary of the primary containment area.





OFFICIAL PHOTOGRAPH NO. 14
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number: TTEMI-05-001-0076

Location: Seven Out Tank

Orientation: Southeast

Date: April 22, 2009

Photographer: Paul Prys, Tetra Tech

Witness: J. Kooms, Winter Environmental

Subject: Winter utilizes vacuum truck to remove sludge from tank CD-3 into a containment box.





OFFICIAL PHOTOGRAPH NO. 15
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number: TTEMI-05-001-0076

Location: Seven Out Tank

Orientation: Northeast

Date: April 22, 2009

Photographer: Paul Prys, Tetra Tech

Witness: J. Kooms, Winter Environmental

Subject: Winter pressure washes tank CD-3.





OFFICIAL PHOTOGRAPH NO. 16
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number: TTEMI-05-001-0076

Location: Seven Out Tank

Orientation: N/A

Date: April 22, 2009

Photographer: Paul Prys, Tetra Tech

Witness: J. Kooms, Winter Environmental

Subject: Winter pumps out tank CT-5.





OFFICIAL PHOTOGRAPH NO. 17
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number: TTEMI-05-001-0076

Location: Seven Out Tank

Orientation: Southwest

Date: April 22, 2009

Photographer: Paul Prys, Tetra Tech

Witness: J. Kooms, Winter Environmental

Subject: Seven Out tanks and concrete containment pad.





OFFICIAL PHOTOGRAPH NO. 18
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number: TTEMI-05-001-0076

Location: Seven Out Tank

Orientation: South

Date: April 22, 2009

Photographer: Paul Prys, Tetra Tech

Witness: J. Kooms, Winter Environmental

Subject: Absorbent boom is placed around a leaking drum of super-flocculant.





OFFICIAL PHOTOGRAPH NO. 19
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number: TTEMI-05-001-0076

Location: Seven Out Tank

Orientation: West

Date: April 22, 2009

Photographer: Paul Prys, Tetra Tech

Witness: J. Kooms, Winter Environmental

Subject: Winter utilizes saw to cut inlet into tank CD-1.





OFFICIAL PHOTOGRAPH NO. 20
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number: TTEMI-05-001-0076

Location: Seven Out Tank

Orientation: West

Date: April 23, 2009

Photographer: Paul Prys, Tetra Tech

Witness: J. Kooms, Winter Environmental

Subject: Winter utilizes engineering controls to remove standing vapor from tank CD-1 prior to removal efforts.





OFFICIAL PHOTOGRAPH NO. 21
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number: TTEMI-05-001-0076

Location: Seven Out Tank

Orientation: South

Date: April 23, 2009

Photographer: Paul Prys, Tetra Tech

Witness: J. Kooms, Winter Environmental

Subject: Winter conducts air monitoring of ambient conditions outside of tank CD-1.





OFFICIAL PHOTOGRAPH NO. 22
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number: TTEMI-05-001-0076

Location: Seven Out Tank

Orientation: North

Date: April 23, 2009

Photographer: Paul Prys, Tetra Tech

Witness: J. Kooms, Winter Environmental

Subject: Winter continues to force vent tank CD-1 in an effort to remove additional harmful vapors prior to removal activities.





OFFICIAL PHOTOGRAPH NO. 23
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0076	Location:	Seven Out Tank
Orientation:	North northeast	Date:	April 23, 2009
Photographer:	Paul Prys, Tetra Tech	Witness:	J. Kooms, Winter Environmental
Subject:	Winter utilizes a pressure washer to loosen sludge from the interior walls of the tank.		





OFFICIAL PHOTOGRAPH NO. 24
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0076	Location:	Seven Out Tank
Orientation:	Southeast	Date:	April 24, 2009
Photographer:	Paul Prys, Tetra Tech	Witness:	J. Kooms, Winter Environmental
Subject:	Winter utilizes a lift boom to gain access to tanks SS-2 and RW-1.		





OFFICIAL PHOTOGRAPH NO. 25
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number: TTEMI-05-001-0076

Location: Seven Out Tank

Orientation: Southwest

Date: April 24, 2009

Photographer: Paul Prys, Tetra Tech

Witness: J. Kooms, Winter Environmental

Subject: Winter utilizes pump to remove contents of tank SS-2.



TETRA TECH EM INC

B-25

TDD No. TTEMI-05-001-0076
Seven Out Tank



OFFICIAL PHOTOGRAPH NO. 26
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number: TTEMI-05-001-0076

Location: Seven Out Tank

Orientation: West

Date: June 02, 2009

Photographer: Chuck Berry, Tetra Tech

Witness: J. Kooms, Winter Environmental

Subject: Winter removes waste from the pipe lines that transfer product to the tanks.





OFFICIAL PHOTOGRAPH NO. 27
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number: TTEMI-05-001-0076

Location: Seven Out Tank

Orientation: North

Date: June 02, 2009

Photographer: Chuck Berry, Tetra Tech

Witness: J. Kooms, Winter Environmental

Subject: Winter utilizes saw to gain access to tank CD-2.





OFFICIAL PHOTOGRAPH NO. 28
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number: TTEMI-05-001-0076

Location: Seven Out Tank

Orientation: North

Date: June 02, 2009

Photographer: Chuck Berry, Tetra Tech

Witness: J. Kooms, Winter Environmental

Subject: Winter pressure washes tank CD-2.





OFFICIAL PHOTOGRAPH NO. 29
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number: TTEMI-05-001-0076

Location: Seven Out Tank

Orientation: North

Date: June 02, 2009

Photographer: Chuck Berry, Tetra Tech

Witness: J. Kooms, Winter Environmental

Subject: Winter pressure washes tank CD-2.





OFFICIAL PHOTOGRAPH NO. 30
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number: TTEMI-05-001-0076

Location: Seven Out Tank

Orientation: South

Date: June 02, 2009

Photographer: Chuck Berry, Tetra Tech

Witness: J. Kooms, Winter Environmental

Subject: Winter removes rain water utilizing submersible pump.





OFFICIAL PHOTOGRAPH NO. 31
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0076	Location:	Seven Out Tank
Orientation:	North	Date:	June 02, 2009
Photographer:	Chuck Berry, Tetra Tech	Witness:	J. Kooms, Winter Environmental
Subject:	Winter collects sludge from tank CD-2.		

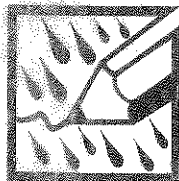


APPENDIX C
LOGBOOK NOTES
(Twenty-nine Pages)

SEVEN CUT

ITEM# 05-001-0076

Logbook #1



"Rite in the Rain"

ALL-WEATHER

JOURNAL

No. 391

Project _____

Clear Vinyl Protective Slipcovers (Item No. 30) are available for this style of notebook. Helps protect your notebook from wear & tear. Contact your dealer or the J. L. Darling Corporation.

DATE _____

A large, empty grid with a vertical line on the left and a horizontal line at the bottom, resembling graph paper. The grid is composed of many small squares. There is a vertical line on the left side and a horizontal line at the bottom. The grid is mostly empty, with some faint, illegible markings in the center.

11/10/08

0645 START ON site. Winters on site
 0745 Review + sign HASP.
 0750 Winters begins site prep. Waiting
 on lift to arrive.
 0800 Winter Personnel Project Manager
 is Brent Sasser. 675 3627619 cell
 Joseph King 404 925 8818 cell

0940 Winter has set up a decont ge
 wash system outside the secondary
 containment on west side.

0950 winter is set up inside secondary contain-
 ment and will go up on lift to open top.
 will open 5 at a time, air monitor, then let
 vent. Then will go back up and sample.
 Safety wres will include harness + 3 point
 connection at all times in Lift. Will use
 4-gas + PID to air monitor.

0950 Winter personnel is attached to lift
 and goes up in Lift to check tank
 tops.

Earlier START Berry + Russell with OSC
 Huyser and winter did site walk
 through. Went through buildings on
 SW side of site. Various drums + 5-gal
 buckets were observed in buildings

11/10/08

empty ~~the~~ jars + full bags of gravel
 perlite, and calcium chloride (Dow)
 B was observed. Photos document this
 1000 SH-1 Tank does not have a ~~man~~^{VR}
 man hole on top. Going to open any way
 10¹⁰~~00~~^{VR} SH-1 tank read on PID-~~3.7~~^{VR}
 H₂S-3.0 LEL-5% CO-2.0 O₂ 20.9
 10¹⁰~~40~~^{VR} SH-2 tank PID-224 CO-6
 LEL 6%. 2 inch port on top O₂ 20.9
 11¹⁵~~40~~^{VR} SH-3 tank reading PID-1.1 ppm LEL-
 CO-0.0 H₂S 0.0 O₂-20.9.
 1120 SH-4 tank PID 3.6 ppm LEL 0.0 CO 0.0
 H₂S 0.0 O₂ 20.9
 1145 START breaks for lunch
 1225 START returns onsite to relieve OSC Huyser
 from watch so he can go to lunch. Winter
 is out looking for new bolts so we can remove
 plates. START is waiting to resume work
 once OSC + Winter arr. return
 1320 Winter goes back up in lift to
 check more tanks
 1325 Tank SS1 reading PID-0.0 ppm ^{VR}
 CO-3.0 LEL 8% O₂-20.5 H₂S-0
 1327 TANK SS2 reading PID 0.0 ppm
 CO-2.0 LEL-0.0 H₂S-0.0 O₂ 20.9

11/10/08

13 RW-1 reading PID 0.0ppm CO 0.0
LEL 0.0 H₂S 0.0 O₂ 20.6

	VOC	H ₂ S	LEL	O ₂	CO	%Full
RW-2	0.0	0.0	0.0	20.7	1.0	75
DP-1	5.6	0.0	0.0	20.9	0.0	50
DP-2	0.0	0.0	0.0	20.9	0.0	100
T-3	0.0	0.0	0.0	20.9	0.0	100
T-2	0.0	0.0	0.0	20.9	0.0	100
T-1	0.0	0.0	0.0	20.9	0.0	100
OP-2	0.0	0.0	0.0	20.9	0.0	
OP-3	15.5	0.0	0.0	20.6	0.0	
OP-4	6.5	0.0	0.0	20.9	0.0	
DAF	0.0	0.0	0.0	20.9	0.0	
DAF						
RW-1	0.0	0.0	0.0	20.6	0.0	
SS-2	0.0	0.0	0.0	20.9	2.0	
SS-1	0.0	0.0	8%	20.5	3.0	
SH-4	3.6	0.0	0.0	20.9	0.0	
SH-3	1.1	0.0	0.0	20.9	0.0	
SH-2	20.4	0.0	6%	20.9	6.0	
SH-1	3.7	3.0	5%	20.9	2.0	

11/10/08

1530 START, Winter, and OSC Finish
for the day. Winter was able to Air
monitor 17 tanks. Waiting for equipment
to cut open access ports. START
off site

11/11/03

0700 START Berry and Russell
Arrive on-site. Winters Env. is already
here setting up decon pad and getting
ready for today

0710 OSC Arrives onsite. Winter goes
over safety meeting on days activities
opening tanks & down sampling.

START will collect Two 2-oz & three 4-oz
sample jars per sample collected by Winter
0745 START & Winters begin sampling Downer
& containers in storage area

	VOL	CO	H ₂ S	LEL	O ₂
TO-01	1.7	0	0	0	20.9
Blue Down	0.3	0	0	0	20.9
Black (P)	2.6	1.0	0	0	20.7
Black (M)	105↑	145	0	0	20.9
Black-RS		0	0	0	20.9
Hyperon 22(4)		4	0	0	18.7
" (3)		460 460 KR	0	18	14.9
" (3)		4	0	0	14.9

~~KR~~
~~KR~~
~~compressor~~

0845 collected split sample from tank

TO-01

0935 collected CT-5 split and dup

0950 collected CT-5 Dup

	PID	H ₂ S	CO	LEL	O ₂
CD ³⁴⁵ 50%	0	0	30	5%	20.5
CD-2 50%	0.1	0	0	0	20.9
CD-1 15%	0	0	0	0	20.9
ST-1 60%	0	0	0	0	20.9
KR ^{TO-10} 1	0	0	0	0	20.9
ST-2 45	0	0	0	0	20.9
TO-10 45	0	0	0	0	20.9
TO-12 45	0.1	0	0	0	20.9
Empty					
Empty					
Empty					
DR-1 80	0.1	0	0	0	20.9
KR ^{DR-2} 1	0	0	0	0	20.9
TO-13					
TO-14 25	0	0	0	0	20.9
Empty					
DAF-2		0	0	0	20.9

1130 START breaks for lunch

1200 START back on site. Waiting to start

background everyone returns from lunch

	PID	H ₂ S	CO	LEL	O ₂
1240 KR	0	0	0	0	20.9
T-5 7%	0	0	0	0	20.5
T-7 40%	0	0	0	0	20.9
T-6 50	0	0	0	0	20.9
T-4 10	0	0	0	0	20.9

11/12/08

0930 new rubbers for tank volumes.

SH-1 20,800 gallon SH-2-SH-4 19,500 gallon

SS-1, SS-2 are 33.25 Ft cir.

RW1, RW2 are 25.10 Ft cir.

CD-1 - CD-4 cir = 33.50 Ft

OP-1 - OP4 cir = 33.25 Ft DTW

Top of water
to sed

9.10"

CT-1

CT-2

CT-3

CT-4

CT-5

CT-6

CT-7

CT-8

CT-1-

CT-8

CT-1 11.70

CT-2 10.66

CT-3 12.15

CT-4 13.00

CT-5 12.60

CT-6 12.60

CT-7 12.40

CT-8 12.60

1150 START left to fill up air tank
for level B work

1215 START breaks for lunch

1245 START back on site, begins
set up for sample collection in
level B.1430 START enters storage area and samples
drums that have liquid1505 START exits and discons and
CEN

undresses

~~Enter Coal Ror L2 P~~

Tank	Line	h	Eff
DAF	30'	9'	
DAF-2	$l_1 = 5'$	$l_2 = 10'$	$d = 2.2/8$
VP2	57'		
T1	19	7.5	
T2	19	7.5	
T3	19	7.5	
DP1	57'		
ST1	dia = 7'	10	5/8
ST2	dia = 7'	10	7/8
Oil Coal	$L_1 = 8$	$L_2 = 5$	$D = 7$
T4 (6K)	32		
T5 (6K)	32		
T6 (6K)	32		
T7 (6K)	30		
T15	$L_1 = 6$	$L_2 = 3$	$d = 4$
T8	2500 gal		
T9	$8.5 \times 8 \times 7.5$		
T12	dia = 4	4.5	

1700 TT alt site.

CEN

11/13/08

Thurs

0700 START onsite

Winter, START, EPA has safety meeting. Thunderstorms etc. possible this afternoon

Weather: 70°s today. Winds 5-10 mph
Humidity, 100%, Cloudy, isolated
thunderstorms

0730 Winter goes in to begin sampling
START works on COC and getting
samples ready for shipment

1000 Winter Filled START split sample
jars for tank OP-4

1030 Winter backs off SH-1 due to
foul odor. Don APRs + reattempt
to collect samples. START will
split + sludge.

1050 Winter collects split sample
of tank SH-2

1200 START off site for lunch

1230 START onsite for work

1500 OSC Huyser has asked that
Winter fix the leaks that have
formed around tanks SH-2, 3, 4
+ OP-4, 3

1535 Danger + caution tape is placed
over

around perimeter of secondary containment
and around leaking tanks.
1630 START off site

START

11/14/08

OGIS START onsite. Winters setting up this morning.

Tank appear to be leaking more heavily this morning.

Tetra Tech will collect aliquot from SH-3 and Skelge DP-2
Weather 70°F, Mostly Cloudy, 94% humid
wind 6 mph - SSE

50% chance of thunderstorms this morning and through out today
0800 Sample for DP-2 S collected

0930 Winters has completed sampling all high tanks reachable from inside the containment. Will use the lift to close up everything they can + will remove to get the 3 high tanks outside the containment.

1030 Winters collects from SH-4, ~ 1" of oil on 24 ft water w/ 3 ft sludge. —

1050 Setting up on SH-3. —

1130 Winters off site for lunch. START remains behind for site security. —

1205 START off site for lunch + i-DEX.

1345 START returns to site. —

CEM

11/14/08

MSDSs found on site

- Aluminum Sulfate Solution
- Calcium Hydrated Lime
- Calcium Oxide Lime (Quicklime)
- Carbon, Activated
- Caustic Soda Liquid
- COD Digestion Solution

Hatch Co. catalog # 2125915

- COD Reagent High Range

Hatch Co. 2415915

- Ferric Chloride Sol
- Ferric Sulfate 50%
- H_2O_2 20-51%
- NaI clear 7744 ~~Gas No. 64742-47-8~~

ONDRO Co. Flocculant

- Na/mct 8702 ONDRO Na/mct
- pH Buffer pH 4.0 Fisher Scientific # SB1014
- pH 7.0 SB1074
- pH 10.0 SB1154

- Polychem 7 Ondro Na/mct
- Caprox Potassium Permanganate
- Sulfuric Acid 777006
- Superfloc SD-2081 Cytec Flocculant
- Ultrion 8185 Ondro Na/mct

CEM

11/14/08

1515 Winters pulling off site.

- Tank OP-1 was empty, no sample collected

- A construction barrier fence has erected around the entire secondary containment area.

- Winters is beginning to pack up the site

- 1550 Tetra Tech + Winters off site.

* Tetra Tech will not return Monday when Winters returns. OSC Huyser feels that enough split samples have been collected to gauge Winters' responsiveness + laboratory's quality, and asked TT to depart Saturday.

11/15/08

0820 TT departs Waycross

1400 TT arrived at Benny's house. KR will continue to Duluth office + thence to Huntsville, AL.

Cepz

Photo log

Photo #

Subject

P O W

S16

S17

S18

S19

S20

S21

S22

S23

S24

S25

S26

S27

S28

S29

S30

S31

S32

S33

S34

S35

S36

S37

S38

S39

#

Subject

P O W

S40

S41

S42

S43

S44

S45

S46

S47

S48

S49

S50

S51

S52

S53

S54

S55

S56

S57

S58

S59

S60

S61

S62

S63

S64

#

Subject

POW

S65

S66

S67

S68

S69

S70

S71

S72

S73

S74

S75

S76

S77

S78

S79

S80

Photolog

#

Subj

POW

480

Interior of Mr. red of bldg

CLB S KR G

481

Same

" " "

482

Mr. Richards explaining the vats

CLB S G G

483

516 Tank farm from parking lot

CLB E KR

517 Piping in main corridor

CLB E KR

518 Evidence of trespassing

KR N CLB

519 Small 5-gallon containers in

KR W CB

western shed

520 Drums & Totes in shed

KR W CB

521

"

" " "

522

"

" " "

523

Decon pad. This is

KR E CB

eventually moved inside the containment

524

Tank farm

KR N CB

525

Tank farm

KR W CB

526

Filter Press - note

KR N CB

standing water

527

Gus's Operations house

KR N CB

528

Items inside Ops

KR W CB

house - note chemical bottles

529

Chem bottles

KR NA CB

530

"

" " "

ceter

Photolog 11/10

#	Subj	P	O	W
531	chem bottles in Ops building	KR	S	CB
532	Main 7-OUT Office building	KR	W E	CB
533	Winter preparing to open tanks in articulating lift	KR	E	CB
534	"	"	"	"
535	Winter ascending in lift	"	"	"
536	Winter examining tank SH-1	KR	E	CB
537	Winter attempting to remove bolts on SH-2 hatch	KR	N	CB
538	Winter at SH-3	KR	E	CB
539	Deleted	---	---	---
540	Winter sampling drums + notes in Level CPPE	KR	E	CB
541	"	"	"	"
542	"	"	"	"
543	"	"	"	"
544	Tank CT-1	CB	NA	KR
545	Tank CT-5	CB	NA	KR
546	Winter bailing liquid from CT-5	CB	E	KR
547	Tank farm	KR	S	CB

CWR

Photolog 11/11

#	Subj	P	O	W
548	Tank farm Note H ₂ O	KR	S	CB
549	Winter collecting ^{gas} containerizing Sample CT-1-S a split sample w/TT	KR	E	CB
550	Winter decans Power	KR	E	CB
551	Winter collecting CT-4S	CB	E	KR
552	"	"	"	"
553	Kyle Russell doing paperwork	CB	S	KR
554	Winter atop SH-2 w/ can			

pneumatic

11/12/08

554	Winter atop SH-2 w/ pneumatic deheader	KR	E	CB
555	Winter collecting CT-2S	KR	N	CB
556	START preparing for level B	MH	E	CB
557	START in level B	MH	W	CB
558	"	"	"	"
559	"	"	"	"
560	"	"	"	"
561	"	"	"	"
562	"	"	"	"

CWR

Photology 11/13/05

#	Subj	P	O	W
563	Winter sampling tanks	KR	NA	CB
564	Winter sampling GP-4	KR	N	CB
565	Winter in Level Cduc to odor	KR	NA	CB
566	Leaks from tanks caused by vibration from de heading	KR	S	CB
567	Boom put out by winter	KR	E	CB
568	"	"	"	"
569	Barrier tape surrounding facility	KR	E	CB
570	"	"	N	"
571	Winter at SS1	KR	N	CB
572	Barrier tape	KR	W	CB
573	"	KR	W	CB
574	"	KR	W	CB
575	Facility across parking lot	KR	E	CB
576	Support zone & paperwork	CB	N	KR

Cef

Photology 11/14/05

#	Subj	P	O	W
576	Support zone & paperwork	CB	N	KR
577	Winter setting up barrier Fencing	CB	N	KR
578	Leaking	KR	S	CB
579	"	KR	S	CB
580	"	"	E	"
581	Barrier fencing	CB	E	KR

Cef

25 MAR 09

WEATHER: Light showers High of 76°F

50GB: Project Oversight.

0800 START on-site. Contractor was not on-site at this time.

0900 Contractor had not yet arrived on-site. There was standing water in the secondary containment AREA. ~~There~~ The water did not contain a sheen and it is assumed that the standing water came from previous rains.

1000 PRP contractor had not yet arrived on site.

1100 PRP contractor had not yet arrived on-site.

1200 PRP contractor had not yet arrived on-site.

1300 PRP contractor has not yet arrived on-site.

1315 WINTER (PRP contractor) arrived on-site.

START PAYS spoke w/ JAMES KOON

(SUPERINTENDENT) - HE SAID THEY WOULD SPEND THE REST OF THE DAY PUMPING THE STANDING RAIN WATER FROM THE CONTAINMENT AREA.

1330 THE "FRACK" TANK ARRIVED ON-SITE AND

Paul E. [Signature]

25 MAR 09

was placed ^{at (P)} on the northeast corner of the containment AREA.

1345 WINTER off-site to pick up a water meter.

NOTE: WEATHER IS CURRENTLY 77°F AND SUNNY.

RAIN WILL BECOMING IN LATER TONIGHT.

WIND IS AT 11 MPH FROM THE SOUTH.

1425 WINTER RETURNED TO THE SITE.

1445 WINTER BEGAN PUMPING RAIN WATER FROM SECONDARY CONTAINMENT AREA LOCATED ON THE EAST SIDE OF THE SITE.

1530 WINTER PLACED THE PUMP INSIDE THE PRIMARY CONTAINMENT AREA ON THE EAST SIDE OF THE SITE. SOME WATER WAS LEFT IN THE SECONDARY CONTAINMENT, BUT ONLY A SMALL AMOUNT.

NOTE: WINTER USED A GAS-POWERED DEWALT DGL00DE GENERATOR TO ^{plug (P)} pump this pump into. THE RATE AT WHICH THE PUMP OPERATES IS UNKNOWN.

1645 WINTER TURNED OFF THE PUMP AND BEGAN closing up for the day. SUPERVISOR INFORMED MR. PAYS THAT HE CALCULATED THE PUMP TO OPERATE AT 16.6 gal/min.

1700 START AND WINTER off-site.

[Signature]

25 MAR 09

25 MAR 09

Photo #	Time	Location	O	P
IMG-0001	1345	901 FRANCIS ST	W	PP
-0002	1346		NW	
-0003	1346		WNW	
-0004	1346		SW	
-0005	1346		W	
SEPL0041	1451		NW	
42	1452		NNW	
43	1452		N/A	
44	1452		SE PP SW	
45	1453		W	
46	1453		S	
47	1454		SW	
48	1454		SW	
49	1455		E	
50	1455		E	
51	1456		NE	
52	1456		E	
53	1457		N	
54	1458		NE	
55	1458		N	
56	1510		WNW	
57	1510		SE	
58	1531		SE	
59	1531		NNW	

Paul E. [Signature]

26 MAR 09

WEATHER: Partly cloudy 72°F. chance of rain

SURGE: Project oversight.

0700 Start and Winter on-site. Winter began setting up pump to remove water from primary containment area.

0730 Winter began pumping water from the primary containment area.

0900 A second "frack" tank was delivered to the site. Start Page updated OSC Nuyser on the progress of the site. OSC Nuyser asked Start Page to determine the total linear feet of pipe. NE also asked Start Page to ask Winter to estimate how much piping is to be disposed of versus how much piping can be flushed. Also, how many tanks can be entered by manhole versus how many tanks must be cut into for entry. Winter began fixing the flexible fence surrounding the ~~frack~~ ^{PP} ^{PP} site.

1030 Pump had been moved to the northeast corner of the primary containment area. A large amount of rainwater has been removed and the first "frack" tank is nearly filled.

Paul E. [Signature]

26 MAR 09

1100 START PRYS BEGAN ESTIMATING THE LINEAR FEET OF PIPING AT THE SITE.

1130 CHARLES TEGLON (MORTGAGE OWNER) AND VINCE MISURACA (MORTGAGE OWNERS REP) WERE ON-SITE. TO TAKE PHOTOS OF THE SITE.

1200 WINTER OFF-SITE FOR LUNCH AND TO GET SUPPLIES.

1215 CONTRACTOR DELIVERED A LIFT AND AN AIR COMPRESSOR TO THE SITE.

1330 WINTER ARRIVED BACK ON-SITE AND RESUMED PUMPING RAIN WATER FROM CONTAINMENT AREA. MR. TEGNON AND MR. MISURACA WERE OFF-SITE.

1430 START CHECKED ON THE PROGRESS OF THE RAINWATER REMOVAL. ALMOST ALL OF THE RAINWATER HAD BEEN REMOVED FROM THE PRIMARY CONTAINMENT AREA EXCEPT FOR THE SUMPS LOCATED AT THE NORTHEAST CORNER. ONCE THE SUMPS IS DRAINED, THE SUMP AREA IN THE SECONDARY CONTAINMENT WILL BE DRAINED. THERE WAS A SLIGHT SHEAR NOTICED IN THE SUMPS AREA OF THE PRIMARY CONTAINMENT.

1535 WINTER COMPLETED PUMPING THE PRIMARY AND SECONDARY CONTAINMENT

Paul E. B. [Signature]

26 MAR 09

AREAS. START PRYS TOOK ADDITIONAL PHOTOS OF THE AREA.

NOTE: START PRYS ESTIMATED 6850 LINEAR FEET OF PIPE ON-SITE. WINTER SUPERVISOR ESTIMATED APPROX 10,000 LINEAR FEET.

WINTER ALSO INFORMED START PRYS THAT THEY WOULD NOT KNOW HOW MANY TRUNKS COULD BE ENTERED THROUGH A MANHOLE ^{PP} OR A CUT HOLE UNTIL THEY WERE PUMPED OUT. AND THEY DID NOT KNOW HOW MUCH PIPING COULD BE FLUSHED OUT OR DISPOSED OF UNTIL LATER IN THE PROJECT.

1600 START AND WINTER WERE OFF-SITE.

Photo #	Time	Location	O	P
SSPR0060	1055	901 FRANCIS ST.	NW	PP
61	1056		NNW	
62	1056		W	
63	1056		NNW	
64	1057		NNW	
65	1057		NNW	
66	1058		SSW	
67	1059		NW	
68	1100		N	
69	1100		NE	

Paul E. B. [Signature]

26 MAR 09

Photo #	Time	Location	D	P
SSPL0070	1101	901 FRANCIS ST	ENE	PP
71	1102		E	
72	1102		NE	
73	1425		N/A	
74	1429		N/A	
75	1456		N/A	
76	PP 1456 1535		N/A SE	
77	1535		SE	
78	1535		PP SE	
79	1535		PP SW SE	
80	1535		SE	
81	1537		ENE	
82	1537		ESE	
83	1537		NE	
84	1539		N	
85	1539		NW	

Paul E. [Signature]
26 MAR 09 PP
26 MAR 09

27 MAR 09

WEATHER: Cloudy High 76°F Possible Thunderstorms
SCORE: Project oversight

0730 START AND WINTER on-site. Winter began organizing equipment prior to leaving the site. Since it did not rain there was no additional water to pump from the containment area. Also START Pags noticed a slight smell of possible natural gas located in the northeast corner of the site near the southeast corner of 901 Francis St.

0830 Winter began cleaning out the electrical panel bldg. located at the northwest corner of the site. Winter will use this building as office space during the project.

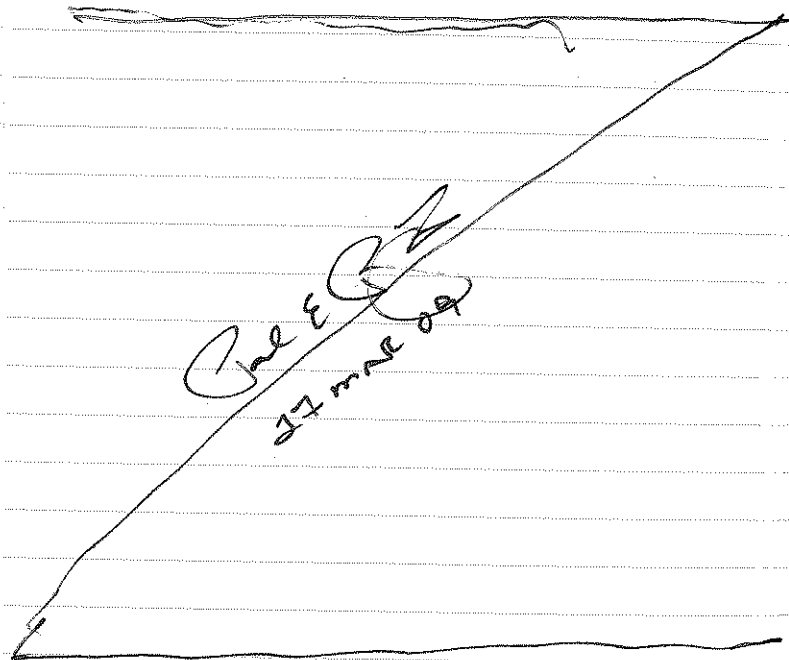
0930 Winter completed office PP set up.
1030 PP START AND WINTER WERE off-site.

Paul E. [Signature]
27 MAR 09

27 Mar 09

Photo #	Time	Location	O	P
SSPX0086	0924	901 FRANCIS ST	N	PP
87	0924		NE	
88	0924		E	
89	0926		NNW	
90	0926		NE	
91	0926		N	
92	0927		NW	
93	0927		E	
94	0928		S	
95	0928		SW	

(PP) SW



22 Apr 09

Weather: Mostly Sunny High of 80°F.

Scope: Project Oversight.

0700 Start and Winter were on-site.

0730 Winter continued pumping out tank CD-3.

Winter is using a vac truck and pumping the sludge into a containment box.

Winter supervisor informed START that they received a discharge permit from the city of Weycross on Mar 31, 2009 to pump the rainwater collected from the primary and secondary containments into the sanitary sewer system. Winter tested the collected rainwater and at (PP) levels were low enough to (PP) allow discharge into the sewer system. Winter has pumped approximately 120,000 gallons of rainwater into the sewer system to date.

0900 Winter completed vacuuming sludge from tank CD-3. Crew was moving to tank CD-1. Pumping will begin from the manhole on top of the tank. Once levels are low enough, Winter will cut access holes as necessary to assist with removing additional sludge.

Cal E 078

22 Apr 05

- 1000 Winter continued pumping contents of Tank CD-1 into containment box.
- 1030 Winter filled current containment box. CREW connected vac truck to new containment box and resumed pumping the contents of Tank CD-1.
- 1100 Winter continued to pump the contents of Tank CD-1.
- 1145 Contractor on-site to pick up filled containment box for delivery to the landfill. Contractor also moved empty container boxes closer to vac. truck.

1210 Winter off-site for lunch.

NOTE: At approximately 1050, START spoke with OSC Nuyser about the progress at the site. START informed OSC Nuyser that Winter complete pumping Tank CD-3 and began pumping Tank CD-1. Pumping began from the manhole on top of Tank CD-1. OSC Nuyser asked if Winter used a 4-gas meter to check the air at the manhole prior to pumping. START did not witness it, but would ask.

Call [Signature]

22 Apr 09

Photo #	Time	Location	U	P
2358 (1)	0728	Vac Truck + Containment box	SE	PP
2359 (2)	0728	Tank CD-3	S	
2360 (3)	0729	Tank CD-3	NE	
2361 (4)	0729	↓	WNW	
2362 (5)	0749	Tank CT-5	N/A	
2363 (6)	0749	↓	N/A	
2364 (7)	0749	Tank CT-4	N/A	
2365 (8)	0750	Seven out Tanks	WSW	
2366 (9)	0750	↓	WNW	
2367 (10)	0750	↓	W	
2368 (11)	0751	↓	SW	
2369 (12)	0751	Leaking Drain of Superfloc.	S	
2370 (14)	0752	↓	S	
2371 (15)	0755	Inside Tank CD-3	N	
2372 (16)	0755	↓	N	
2373 (17)	0756	↓	S	
2374 (18)	0756	↓	N	
2375 (19)	0910	On Top of Tank CD-1	SSE	
2376 (20)	0910	new containment box	NE	
2377 (21)	0927	new containment box	NE	
2378 (22)	1416	using PID + F2D on Tank CD-1	SE	
2379 (23)	1447	cutting access hole in	NW	
2380 (24)	1447	Tank CD-1	NW (PP)	

Call [Signature]

PP [Signature]

22 Apr 09

Winter informed START that they checked it yesterday once the man hole was removed, but not prior to pumping. The manhole cover was left off overnight to allow tank CD-1 to ventilate. START informed Winter that USC Nuyser wanted the air measured using the 4 gas meter when a tank was opened and all readings needed to be recorded.

1300 Winter return to site and continued pumping Tank CD-1. Personnel on tank were wearing Tyvek suits, full face respirators w/ organic vapor cartridges, hard hats, gloves, rubber boots and safety harnesses. A lift was used to access the top of the tank.

1400 Winter continued pumping tank CD-1.

1430 Winter calibrated 4-gas meter and PFD.

1500 Winter checked atmospheric levels inside Tank CD-1. Iso readings 10.8 ppm, 45.7 ppm and 36.2 ppm. 4-gas CD-1 ppm LEL & H₂S: Open 02: 20.9%

Cal ECR

22 Apr 09

1520 Contractor dropped off an empty containment box to the site.

1545 Winter began cutting an access hole in the south end of Tank CD-1 using a non-sparking power saw (Morse Metal Devil).

1620 Winter began cutting an access hole on the northeast side of Tank CD-1.

1725 Winter completed cutting the access hole on the northeast end of Tank CD-1.

1735 START and Winter were off-site.

Note: All times of photos taken were identified in CST ~~and~~ instead of EST. Starting on Apr 23, 2009, all photos will be documented in EST.

Cal ECR
22 Apr 09

23 Apr 09

Weather: Mostly Sunny High 58°F

SCRB: Project Oversight

0700 Winter was on-site. Winter began setting up blower at northeast side of Tank CD-1 to ventilate tank. Southland on-site to pick up containment box filled from yesterday.

0800 START on-site. Winter pumping sludge from south end of tank.

0900 Winter continued pumping sludge from Tank CD-1.

0930 Southland returned to site to dig off m. empty containment box and to pick up a full one.

0945 Winter moved to the ^(PP) southeast northeast side of Tank CD-1 to remove the sludge from that area of the Tank.

1030 Winter continued to pump from the northeast side of Tank CD-1.

NOTE: Winter continued to ^(PP) monitoring monitor air levels from Tank CD-1 using PED and FID. Levels were taken at work location and near the blower during ventilation.

23 Apr 09

Photo #	Time	Location	O	P
2382 (1)	0720	Blower NE side of Tank CD-1	W	PP
2383 (2)	0721	↓	W	PP
2384 (3)	0721	Pumping Tank CD-1 @ S. End	W	↓
2385 (4)	0721	↓	W	↓

NOTE: Photo times indicate CST rather than EST.

All future photos will reflect EST.

2386 (5)	1045	Air monitoring w/ PED & FID	S	PP
2387 (6)	1311	Ventilation of Tank CD-1	N	
2388 (7)	1334	Cutting SE access hole	SW	
2389 (8)	1450	INSIDE TANK CD-1	N	
2390 (9)	1451		NNE	
2391 (10)	1602		SSW	
2392 (11)	1602		SW	
2393 (12)	1602		NDW	
2394 (13)	1603		NASW	
2395 (14)	1603		SSW	

Paul B
23 Apr 09

23 Apr 09

- 1100 Winter broke for lunch. Also, had to stop pumping from Tank CD-1 because vac tank needed gas. Winter to refuel tank during lunch.
- 1210 Winter returned to site after lunch.
- 1230 Winter resumed pumping the northeast side of Tank CD-1.
- 1315 Winter prepared to cut a new access hole on the east side of Tank CD-1 to assist in the removal of more sludge. Panel located on southeast side of Tank CD-1. Winter was also having problems with their air compressor that was operating the blower ventilating the Tank CD-1.
- 1400 Winter completed cutting the access hole in the southeast side of the tank. Air compressor seems to be working okay at this time.
- 1445 Winter was still pumping sludge from the southeast side of Tank CD-1. Air compressor was no longer working. Winter is getting it replaced.
- 1515 Winter supervisor (Jim Koon) informed START they would complete remaining

23 Apr 09

- the sludge from Tank CD-1 today. AND they would start removal on Tanks CT-6, CT-7, CT-8 and SS-2 next week.
- 1600 Winter completed removing the sludge from Tank CD-1 and began doing a general cleaning.
- 1610 Winter informed START that they would have to resample Tanks SN-1, SN-2, SN-4, SS-1, RW-1, RW-2, CT-1, T-2, DP-1, T-4, T-5, T-6 and T-7B. This was due to the landfill requiring more data disposal profiling. Tanks completed to date: CD-1, CD-3, T-8, T-9, T-12, DP-2, DAF2, T-1, T-3, T-7, T-15, CT-2, CT-3, CT-4, CT-5, ST-1, ST-2.
- 1625 Sunbelt rentals arrived on-site to fix the air compressor.
- ~~START and Winter were off-site.~~ (PP)
- 1630 Southland arrived on-site to drag off a new containment box.
- 1645 START and WINTER WERE off-site.

Paul [Signature]
23 Apr 09

24 Apr 09

WEATHER: Sunny High of 89°F

SLUG: Project Oversight

0700 START AND Winter on-site.

0730 Winter began moving VAC hoses to the east side of the site and other equipment to prepare for next weeks activities. Personnel also used the lift to open the tops of Tanks SS-2 and RW-1. PID levels upon opening the tanks were 1.3ppm and 1.9 ppm respectively (at the top of the tanks) PID levels were normal.

0815 Winter began preparing to pump the contents of Tank SS-2. There ^(PP)are 15 3 ft of product in the tank. Winter will pump from the top of the tank and not open the manhole on the side until Monday (Apr 27).

0930 Winter ^(PP)began completed the sludge removal from Tank SS-2. Personnel began also cleaning.

1030 Winter crew off-site. Supervisor Koon remained on-site to wait for Southland to return with an empty containment box and to pick up the one remaining box.
Paul [Signature]

24 Apr 09

<u>Photo #</u>	<u>Time</u>	<u>Location</u>	<u>O</u>	<u>P</u>
2396 (1)	0757	check air levels @ Tank RW-1	SE	PP
2397 (2)	0757	↓	SE	
2398 (3)	0800		SW	
2399 (4)	0802	open Tanks SS-2 & RW-1	SW	
2400 (5)	0826	pumping out Tank SS-2	NW	
2401 (6)	0828	↓	SW	

Once Southland returns, HB will be off-site.

1035 START off-site.

~~6-2-9~~ 6-3-9

0800 START on-site.

WEATHER - sunny & hot.

Highs in the low 90s. 20%

chance of afternoon storms.

WORKPLAN - Continue removal of waste from CD2.

0805 Winter is waiting on a metal saw to be delivered from their Atlanta warehouse.

Current Schedule - Winter is behind project schedule on waste removal by about 2 weeks. However they pushed ahead of schedule with tank cleaning by \approx 1 week. 22 tanks cleaned - still need so be pumped out.

0830 - Crews currently inactive waiting on saw
- One sludge box full w/ CD2 material awaiting transport to the landfill.

0915 Southland returns a sludge box. Will remove the 1 full one.

- Winter begins to pump lines out while waiting for saw.

1000 Saw arrives.

1030 Cutting begins, but ?'s arise over height of waste in the tank. ~~CD2~~

6-3-9

1045 Waste Stream totals to date

Now H₂O Tank bottoms: 714.56T

Rainwater (exported totals as of 6-5-9) released to POTW: 220,000 gal (200K lbs CO₂)

1130 Hole still being cut. Brace on the end cap giving Winter Problems.

- the containment is starting to dry out in the heat of the sun.

- Winter is pumping \approx 150 gal/min out of the prac tanks into the POTW.

~~1140 Total~~ ~~CD2~~

1200 Break for lunch

1300 Return to site.

1315 Winter completes cut in CD2 endcap
more on to center cut.

- Moving Vac line to new ~~set~~ of piping.

CD-2 -

1400 Winter collecting sample from RW1 for additional characterization analysis.

1430 RW1 is close to RCRT empty. NO sample.

1445 I storm on horizon. Lightning
Winter buttoning down site.
~~CD2~~

6-3-9
Photo/OG

- # Subj P O U
- 001 Pumping/Vacuuming of supply CIB W JK
lines directly: Marking paint
on the affected lines
- 002 Cutting CD-2 end cap CIB N JK
- 003 Cutting CD-2 middle access CIB N JK

CIB

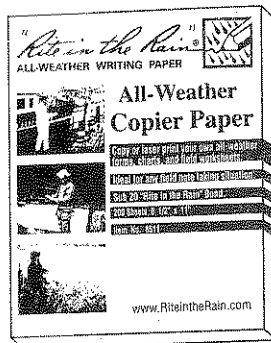
- 1445 Cans - 3" trash pump on fire tanks
declared inoperable. Water disposal
can't wait until a new one can be
brought on site.
- A 2" pump has taken its place
 - Light rain starting

1545 After further investigation, Winter
is pumping directly from the container
into the POTW. This was done
with verbal approval of the CIB,
according to J. Koons.

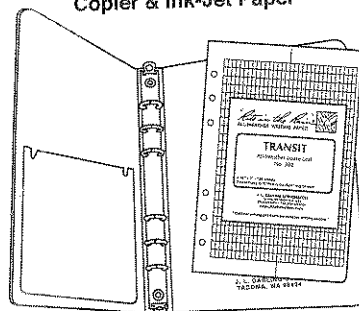
- Winter is trying to pump waste
today. Will work late if necessary.

CIB

"Rite in the Rain"
ALL-WEATHER WRITING PAPER



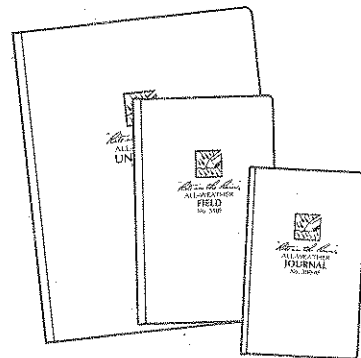
Copier & Ink-Jet Paper



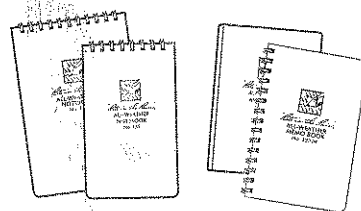
Loose Leaf / Ring Binder



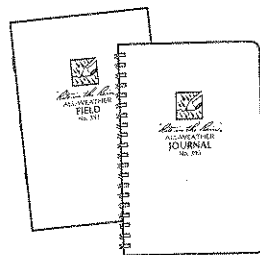
All-Weather Pens



Bound Books



Memo Books



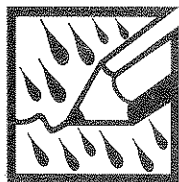
Notebooks

www.RiteintheRain.com

Seven Out

TTEMI-05-001-0076

Logbook # 2



"Rite in the Rain"®

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No. 391

"Rite in the Rain"
ALL-WEATHER WRITING PAPER



Name _____

Address _____

Phone _____

Project _____

PAGE

REFERENCE

DATE _____

6/3/9

1600 Winter setting up for pumping.

- Dark clouds on the horizon. Literally,
not metaphorically. Rain likely within
the hour. _____

1630 - Rain continues its approach

- Winter continues to vacuum

sludge from CD-2 _____

1700 Rain imminent. Winter packing
up. START off site. Will
return tomorrow morning prior to
demobe. _____

CefB

6/3/9

✓ 11010/06

#	Subj	P	C	W
004	Winter pumped CD-2	CB	N	JK
005	"	"	"	"
006	Sump pump removing water directly from the containment into the POTW	CB	S	JK
007	"	"	"	*
008	Pumping of CD-2	CB	N	*
009	"	"	"	*

= ~~Cannon~~ Norman Cordera

7/27/09

0700 START RUSSELL LEAVES FOR DULUTH
1300 START ARRIVES IN DULUTH TO PICK
UP PAUL FOR SEVEN OUT.

1800 START ARRIVES IN WYAN CROSS GA

[Signature]

7/28/09

0800 START ARRIVES ONSITE AT
SEVEN OUT. MEETS WITH TWO
REPS FROM WINTER ENVIRONMENTAL
WINTER BOLTED DOWN SUMP GRATES
UPON OSL REQUEST FROM CONCERNS
OF TRESPASSERS.

0830 START CONDUCTING INVENTORY
OF WHAT LEFT ON SITE.

3-ROLLOFFS & 2 BAKER TANKS
ARE STILL ONSITE. WINTER INFORMED
START THAT THE ^{OR} ROLLOFFS & FRACS SHOULD
HAVE BEEN REMOVED YESTERDAY. HOPING THEY
WILL BE REMOVED TODAY.

WINTER IS FINISHING UP TODAY PRESSURE
WASHING ANY ALGAE LEFT. ROLLING UP HOSES
AND EMPTYING OFF ICE BUILDING.

1000 START LEAVES SITE FOR H&V

IN SPEAKING WITH WINTER, THE

7/28/09

ROLLOFF BOX + TWO VAC BOXES
WILL BE REMOVED FROM THE SITE
BY EQ. THE ROLLOFF DOES NOT
LEAK ANYMORE & THE CONCRETE
AREA WAS PRESSURE WASHED. TWO
BAKER TANKS WILL GO OFF AS WELL.
START UPDATED MAPS FOR SITE
TO DENOTE WHAT WAS LEFT.
1600 START HOME

[Signature]

APPENDIX D
TABLE OF WITNESSES
(One Page)

**SEVEN OUT
TABLE OF WITNESSES**

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