



June 4, 2009

Ms. Alyssa Hughes
On-Scene Coordinator (OSC)
U.S. Environmental Protection Agency, Region 4
61 Forsyth Street, SW, 11th Floor
Atlanta, Georgia 30303

**Subject: Final Emergency Response Letter Report
Harrell Construction Abandoned Drum
Johnson City, Washington County, Tennessee
EPA Contract No. EP-W-05-054
TDD No. TTEMI-05-001-0097**

Dear Ms. Hughes:

The Tetra Tech EM Inc. (Tetra Tech) Superfund Technical Assessment and Response Team (START) is submitting this final emergency response letter report for the Harrell Construction Abandoned Drum Site in Johnson City, Washington County, Tennessee. The U.S. Environmental Protection Agency (EPA) requested that Tetra Tech START respond to the scene of abandoned drums and containers at the inactive property previously operated by Harrell Construction. Specifically, START was asked to provide written and photographic documentation, chemical hazard characterization, and prepare and submit a letter report to summarize site activities.

This letter report summarizes field activities conducted during the emergency response and includes five appendices. Appendix A presents the site location figure, Appendix B contains a photographic log, Appendix C contains the drum log, Appendix D provides a copy of the logbook notes, and Appendix E provides a table of witnesses.

BACKGROUND

Harrell Construction is located in a mixed residential/industrial use area at 622 Embreeville Road in Johnson City, Tennessee. The facility consists of several buildings that have been abandoned. Containers were stored throughout the property both inside the buildings and under covered work areas. The facility itself was without power. Previous operations at the facility included manufacturing and delivery of concrete.

The site appeared to be abandoned, but the property owners were contacted and were on site by the time OSCs Alyssa Hughes and Jordan Garrard arrived. OSC Hughes expressed concerns about the site conditions and communicated the steps necessary to secure the site. Site conditions of concern included an open top 55 gallon drum containing some type of petroleum product approximately 20 feet from a nearby tributary of Bruch Creek, several drums in poor condition, and a breach in the fence enabling the potential for access by trespassers.

RESPONSE ACTIVITIES

START members Randy Mayer and Chris Draper and the Emergency and Rapid Response Services (ERRS) contractor Environmental Restoration (ER) mobilized to the site on May 7, 2009, and met with

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OSCs Hughes and Garrard. When START arrived on scene, ER, along with the responsible party were staging drums and containers in an open, but covered building. START monitored the ambient air for volatile organic compounds (VOC), explosive atmospheres (LEL), oxygen (O₂) content, carbon monoxide (CO), and hydrogen sulfide (H₂S). This was performed during the container staging and hazard characterization activities. No elevated readings were noted above background. Background readings were 0 parts per million (ppm) VOCs, 0 % LEL, 20.9% O₂, 0 ppm CO, and 0 ppm H₂S. Readings that were collected from directly inside the containers are reported on the corresponding drum log. VOC readings from inside the containers ranged from 0 to 21.2 ppm.

OSC Hughes, ER, and START discussed the goals and derived a rough plan on how to achieve them. Using Level D personal protective equipment (PPE), ER over-packed all containers that posed an immediate threat of leaking. ER along with the owner of the property staged all containers using the owner's backhoe. START numbered, photographed, and logged each container that was staged by ER and the owner.

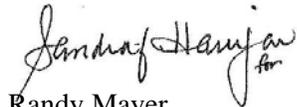
The containers were then subjected to field hazard categorization testing by START. All containers were found to contain non-hazardous petroleum products and commercial concrete sealers (see Appendix C).

OFF-SITE DISPOSAL

OSC Hughes will assist the owner of the property with the necessary steps to dispose of the containers and their contents. EPA, START, and ER secured all entrances to the facility and demobilized from the site the same day.

If you have any questions or need additional copies of this report, please call me (Randy Mayer) at (678) 775-3110 or Chris Draper at (615) 252-4794.

Sincerely,



Randy Mayer
START III Project Manager



Andrew F. Johnson
START III Program Manager

Appendices (5)

cc: Katrina Jones, EPA Project Officer
Darryl Walker, EPA Alternate Project Officer
Angel Reed, START III Document Control Coordinator

APPENDIX A

FIGURE
(One Page)



SOURCE: MODIFIED FROM USDA, 2007.

2009-05-21 s:\cadd\1901700050010097\harrell construction abandoned drums_1.mxd TTEMH-NV andrew.dye



0 50 100 150 Feet



U. S. Environmental Protection Agency

HARRELL CONSTRUCTION
ABANDONED DRUM
622 EMBREEVILLE ROAD
JOHNSON CITY, TENNESSEE
TDD NO. TTEMI-05-001-0097

FIGURE 1
SITE LOCATION



APPENDIX B

PHOTOGRAPHIC LOG
(14 Pages)



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

TDD Number: TTEMI-05-001-0097

Location: Harrell Construction

Orientation: Southeast

Date: May 7, 2009

Photographer: Randy Mayer, Tetra Tech

Witness: Chris Draper, Tetra Tech

Subject: Shed used to stage and store drums and miscellaneous containers.



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

TDD Number: TTEMI-05-001-0097

Location: Harrell Construction

Orientation: South

Date: May 7, 2009

Photographer: Randy Mayer, Tetra Tech

Witness: Chris Draper, Tetra Tech

Subject: Drums and miscellaneous containers staged for hazardous characterization.



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

TDD Number: TTEMI-05-001-0097

Location: Harrell Construction

Orientation: NA

Date: May 7, 2009

Photographer: Randy Mayer, Tetra Tech

Witness: Chris Draper, Tetra Tech

Subject: Drum DM-001 staged in an overpack by Environmental Restoration (ER). Drum DM-002 (left of DM-001) was also place in an overpack by ER.



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

TDD Number: TTEMI-05-001-0097

Location: Harrell Construction

Orientation: NA

Date: May 7, 2009

Photographer: Randy Mayer, Tetra Tech

Witness: Chris Draper, Tetra Tech

Subject: Steel drum DM-003 contained a white paste that Harrell Construction representatives described as a curb sealer.



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

TDD Number: TTEMI-05-001-0097

Location: Harrell Construction

Orientation: NA

Date: May 7, 2009

Photographer: Randy Mayer, Tetra Tech

Witness: Chris Draper, Tetra Tech

Subject: Plastic drum DM-004 labeled Pozzoloth 300-R. This is a concrete additive that allows for a longer setting time for the mixture.



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

TDD Number: TTEMI-05-001-0097

Location: Harrell Construction

Orientation: NA

Date: May 7, 2009

Photographer: Randy Mayer, Tetra Tech

Witness: Chris Draper, Tetra Tech

Subject: Plastic drum DM-005 labeled Pozzolith 300-R.



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

TDD Number: TTEMI-05-001-0097

Location: Harrell Construction

Orientation: NA

Date: May 7, 2009

Photographer: Randy Mayer, Tetra Tech

Witness: Chris Draper, Tetra Tech

Subject: Plastic drum DM-006 labeled Pozzolith 300-R.



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

TDD Number: TTEMI-05-001-0097

Location: Harrell Construction

Orientation: NA

Date: May 7, 2009

Photographer: Randy Mayer, Tetra Tech

Witness: Chris Draper, Tetra Tech

Subject: Plastic drum DM-007 containing an amber color surfactant (soap). Harrell Construction representative stated that the soap was used to aerate the concrete mixture.



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

TDD Number: TTEMI-05-001-0097

Location: Harrell Construction

Orientation: NA

Date: May 7, 2009

Photographer: Randy Mayer, Tetra Tech

Witness: Chris Draper, Tetra Tech

Subject: Plastic drum DM-008 with no labels. It contents were amber in color with a pH of 10.



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

TDD Number: TTEMI-05-001-0097

Location: Harrell Construction

Orientation: NA

Date: May 7, 2009

Photographer: Randy Mayer, Tetra Tech

Witness: Chris Draper, Tetra Tech

Subject: Plastic drum DM-009 labeled Rheobuild 1000. This is a concrete additive used to help decrease the mixtures viscosity.



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

TDD Number: TTEMI-05-001-0097

Location: Deland Leasing

Orientation: NA

Date: May 7, 2009

Photographer: Randy Mayer, Tetra Tech

Witness: Chris Draper, Tetra Tech

Subject: Steel drum DM-010 with contents described as oil and water. Exxon SAE-30 is seen on the label.



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

TDD Number: TTEMI-05-001-0097

Location: Harrell Construction

Orientation: NA

Date: May 7, 2009

Photographer: Randy Mayer, Tetra Tech

Witness: Chris Draper, Tetra Tech

Subject: Steel drum DM-011 with contents described as oily water.



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

TDD Number: TTEMI-05-001-0097

Location: Harrell Construction

Orientation: NA

Date: May 7, 2009

Photographer: Randy Mayer, Tetra Tech

Witness: Chris Draper, Tetra Tech

Subject: Steel drum DM-012 could not be accessed for hazardous characterization. Labeling describes the contents as a sealing compound.



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

TDD Number: TTEMI-05-001-0097

Location: Harrell Construction

Orientation: NA

Date: May 7, 2009

Photographer: Randy Mayer, Tetra Tech

Witness: Chris Draper, Tetra Tech

Subject: Plastic drum DM-013 with the odor of a pesticide or herbicide.

APPENDIX C

DRUM LOG
(11 Pages)

EPA REGION 4 START CONTAINER INVENTORY LOG Container Number: DM-001

Site Name: HARRELL CONSTRUCTION Location: JOHANN CITY TN Date: 7-MAY-09
 TDD #: TRM) 05-001-0097 Sampler(s): R. MAYER / C. DRAPER Time:

Weather/Temperature:
 Container Type: Steel Poly or Poly-lined Fiber Stainless Steel Welded Bolted
 Container Lid Type: Ring-top Closed-top Bungs: Present? Y N Hatch Other
 Container Condition: Good Fair Poor Leaking Other
 Container Size: Bbls 55 / 85 Gals 55 Gals 42 Gals 30 Gals 16 Gals 10 Gals 5 Gals Other
 Container Contents: Full 3/4 2/3 1/2 1/3 1/4 <1/4 Other

Layers	Physical State				Color	Clarity			Layer Thickness (Inches)	Field Analysis	
	Liquid	Solid	Gel	Sludge		Clear	Cloudy	Opaque		pH	TVA/FID
A	X				<u>CLOUDY, CLEAR</u>	✓	✓		<u>24</u>	<u>4-Gas</u>	<u>0.0</u>
B											Drum Labels / Markings
C											DOT
											UN / NA

Mfg. Name and Address:
 Chemical Name:

Additional Information: GENERATOR STATES CONCRETE SEALED
DRUM UPSIDE DOWN IN GREEN 85 GAL O/P LABELED DM001

Haz-Cat Data Hazard Category:

Radiation: Positive * Negative					mR/Hour Counts/Minute	Analyst(s):													
Physical State					Color	Clarity			Water Sol	React *	pH	Hex Sol	Oxid	Per	Hal	Combust	Acid	Sul/CN	
Layers	Liquid	Solid	Gel	Sludge		Clear	Cloudy	Opaque											S, PS, or I; Rel. Dens. H or L
A	X				<u>CLEAR</u>	✓	✓		Y	N	7		-						
B																			
C																			

PCB Concentration Other Test

Comments

Bulk Group: Waste Stream:

Bulk Group Number: Waste Stream Number:

* If material is positive for radioactivity or is reactive with air or water, perform no further tests.

DM002

EPA REGION 4 START		CONTAINER INVENTORY LOG						Container Number:											
Site Name: HARRELL CONSTRUCTION				Location: Johnson City, TN			Date: 7-May-09												
TDD #: TTEM1-05-001-0097				Sampler(s): R. MAYER / E. DRAPER			Time:												
Weather/Temperature:																			
Container Type: Steel		Poly or Poly-lined		Fiber		Stainless Steel		Welded Bolted											
Container Lid Type: Ring-top		Closed-top		Bungs: Present? Y N		Hatch		Other											
Container Condition: Good		Fair		Poor		Leaking 1/2 SS		Other											
Container Size: Bbls		85 Gals		55 Gals		42 Gals		30 Gals 16 Gals 10 Gals 5 Gals Other											
Container Contents: Full		3/4		2/3		1/2		1/3 1/4 <1/4 Other											
Layers	Physical State				Color		Clarity			Layer Thickness	Field Analysis								
	Liquid	Solid	Gel	Sludge	Use standard colors		Clear	Cloudy	Opaque	(Inches)	pH	TVAP ¹¹ 0.0							
A	X				BLACK (OIL)						4-Gas	TVA FID							
B												Drum Labels / Markings							
C												DOT							
												UN / NA							
Mfg. Name and Address:																			
Chemical Name:																			
Additional Information: MARKED BY ERRS: 1/2 CUT DRUM OIL & DEBRIS MARK 15 GAL 1/2 R SS IN YELLOW 85 GAL O/P																			
Haz-Cat Data																			
Radiation: Positive * Negative					mR/Hour Counts/Minute			Hazard Category:											
								Analyst(s):											
								Date Performed:											
Layers	Physical State				Color		Clarity			Water Sol	React *	pH	Hex Sol	Oxid	Per	Hal	Combust	Acid	Sul/CN
	Liquid	Solid	Gel	Sludge	Use standard colors		Clear	Cloudy	Opaque	S, PS, or I; Rel. Dens. H or L	Air or Water	Use std. units	S or I	+ or -	+ or -	+ or -	XF, F, C, or NF	Sul, CN, or As	Sul, CN, or As
A																			Sul +
B																			-
C																			CN +
PCB Concentration										Other Test									
Comments: USED OIL 1/2 (cut) SS IN O/P																			
Bulk Group:										Waste Stream:									
Bulk Group Number:										Waste Stream Number:									
* If material is positive for radioactivity or is reactive with air or water, perform no further tests.																			

EPA REGION 4 START		CONTAINER INVENTORY LOG						Container Number:													
Site Name: HARRELL CONSTRUCTION				Location: Johnson City, TN			Date: 7-MAY-09														
TDD #: TTEM1-05-001-0097				Sampler(s): R. MAYER / C. DRAPER			Time:														
Weather/Temperature:																					
Container Type: Steel		Poly or Poly-lined			Fiber		Stainless Steel		Welded Bolted												
Container Lid Type: Ring-top		Closed-top			Bungs: Present? Y		N		Hatch Other												
Container Condition: Good				Fair		Poor		Leaking Other													
Container Size: Bbls		85 Gals		55 Gals		42 Gals		30 Gals 16 Gals 10 Gals 5 Gals Other													
Container Contents: Full		3/4		2/3		1/2		1/3 1/4 <1/4 Other													
Physical State					Color			Clarity		Layer Thickness	Field Analysis										
Layers	Liquid	Solid	Gel	Sludge	Use standard colors			Clear	Cloudy	Opaque	(Inches)	pH	TVA PID 0.0								
					4-Gas		TVA FID														
A	X				WHITE (PASTE)					✓			Drum Labels / Markings								
B													DOT								
C													UN / NA								
Mfg. Name and Address:																					
Chemical Name:																					
Additional Information:																					
Haz-Cat Data										Hazard Category:											
Radiation: Positive *					mR/Hour					Analyst(s):											
Negative					Counts/Minute					Date Performed:											
Physical State					Color			Clarity			Water Sol	React *	pH	Hex Sol	Oxid	Per	Hal	Combust	Acid	Sul/CN	
Layers	Liquid	Solid	Gel	Sludge	Use standard colors			Clear	Cloudy	Opaque	S, PS, or I; Rel. Dens. H or L	Air or Water	Use std. units	S or I	+	+	+	XF, F, C, or NF	Sul, CN, As	+	
					Sul																
A	X				WHITE (PASTE)																
B																					
C																					
PCB Concentration										Other Test											
Comments: GENERATOR (HARRELL) STATES: CURB SEALER																					
Bulk Group:										Waste Stream:											
Bulk Group Number:										Waste Stream Number:											
* If material is positive for radioactivity or is reactive with air or water, perform no further tests.																					

DM006 / DM005 / DM004

EPA REGION 4 START		CONTAINER INVENTORY LOG						Container Number:											
Site Name: HARRELL CONSTRUCTION				Location: Johnson City TN			Date: 7-MAY-09												
TDD #: TTEM1-05-001-0097				Sampler(s): R. MAYOR / E. DRAPER			Time:												
Weather/Temperature:																			
Container Type: Steel		<input checked="" type="checkbox"/> Poly or Poly-lined		Fiber		Stainless Steel		Welded Bolted											
Container Lid Type: Ring-top		Closed-top		Bungs: Present?		Y N		Hatch Other											
Container Condition: Good		<input checked="" type="checkbox"/> Fair		Poor		Leaking		Other											
Container Size: Bbls		85 Gals		55 Gals		42 Gals		30 Gals 16 Gals 10 Gals 5 Gals Other											
Container Contents: <input checked="" type="checkbox"/> Full		3/4		2/3		1/2		1/3 1/4 <1/4 Other											
Physical State			Color			Clarity			Layer Thickness			Field Analysis							
Layers	Liquid	Solid	Gel	Sludge	Use standard colors	Clear	Cloudy	Opaque	(Inches)	pH			TVAPID						
										4 Gas			TVA FID						
A	X				BLACK / NON-VISCOUS			✓		Drum Labels / Markings									
B										DOT									
C										UN / NA									
Mfg. Name and Address:																			
Chemical Name:																			
Additional Information:													<p style="text-align: center;">LABELED: POZZOLITH 300-R (HAVE MSDS)</p> <p style="text-align: center;">GENERATOR STATES: CONCRETE ACCELERATOR OR RETARDER</p>						
Haz-Cat Data									Hazard Category:										
Radiation: Positive *			mR/Hour			Analyst(s):													
Negative			Counts/Minute			Date Performed:													
Physical State			Color			Clarity			Water Sol	React	pH	Hex Sol	Oxid	Per	Hal	Com-bust	Acid	Sul/CN	
Layers	Liquid	Solid	Gel	Sludge	Use standard colors	Clear	Cloudy	Opaque	S, PS, or I; Rel. Dens. H or L	Air or Water	Use or std. units	S or I	+ or -	+ or -	+ or -	XF, F, C, or NF	Sul, or As	+ - +	
A	X				BLACK			✓			7								
B																			
C																			
PCB Concentration									Other Test										
Comments																			
<p>THIS IS 1 OF 3 POLY DRUMS LABELED THE SAME</p> <p>DM005 IS EXACT SAME / DM006 - SAME ALSO - ALL FULL</p>																			
Bulk Group:									Waste Stream:										
Bulk Group Number:									Waste Stream Number:										
* If material is positive for radioactivity or is reactive with air or water, perform no further tests.																			

DM007

EPA REGION 4 START		CONTAINER INVENTORY LOG					Container Number:	
Site Name: Harrell Construction			Location: Johnson City, TN			Date: 7-MAY-09		
TDD #: TEM1-05-001-0097			Sampler(s): R. MAYOR / C. DRAPER			Time:		
Weather/Temperature:								
Container Type: Steel		Poly or Poly-lined BLUE		Fiber		Stainless Steel		Welded Bolted
Container Lid Type: Ring-top		Closed-top		Bungs: Present? Y N		Hatch		Other
Container Condition: Good			Fair		Poor		Leaking Other	
Container Size: Bbls		85 Gals		55 Gals		42 Gals		30 Gals 16 Gals 10 Gals 5 Gals Other
Container Contents: Full		3/4		2/3		1/2		1/3 1/4 <1/4 Other
Physical State		Color		Clarity		Layer Thickness		Field Analysis
Layers Liquid Solid Gel Sludge		Use standard colors		Clear Cloudy Opaque		(Inches)		pH TVA PID 0.0 A-Gas: TVA FID Other
A ✓		CLEAR AMBER		✓				Drum Labels / Markings
B								DOT
C								UN / NA
Mfg. Name and Address:								
Chemical Name:								
Additional Information: GENERATOR STATES: AERATOR (SOAP) TO PUT AIR BUBBLES IN CONCRETE APPEARS TO BE SURFACTANT NO MARKINGS								
Haz-Cat Data					Hazard Category:			
Radiation: Positive *		mR/Hour		Analyst(s):				
Negative		Counts/Minute		Date Performed:				
Physical State		Color		Clarity		Water Sol		React * pH Hex Sol Oxid Per Hal Combust Acid Su/CN
Layers Liquid Solid Gel Sludge		Use standard colors		Clear Cloudy Opaque		S PS, or I; Rel. Dens. H or L		Air Use S + + + XF, F, C, or NF Sul, CN, As + - CN + -
A X		AMBER				10		
B								
C								
PCB Concentration					Other Test			
Comments SOAP								
Bulk Group:					Waste Stream:			
Bulk Group Number:					Waste Stream Number:			
* If material is positive for radioactivity or is reactive with air or water, perform no further tests.								

DM008

EPA REGION 4 START		CONTAINER INVENTORY LOG					Container Number:									
Site Name: <i>Hairrell Construction</i>			Location: <i>Johnson City TN</i>			Date: <i>7-MAY-09</i>										
TDD #: <i>ITEM1-05-001-0097</i>			Sampler(s): <i>R. MAYER / E. DRAPER</i>			Time:										
Weather/Temperature:																
Container Type: Steel		<input checked="" type="radio"/> Poly or Poly-lined		Fiber		Stainless Steel		Welded Bolted								
Container Lid Type: Ring-top		<input checked="" type="radio"/> Closed-top BLUE		Bungs: Present? <input checked="" type="radio"/> Y N		Hatch		Other								
Container Condition: Good			<input checked="" type="radio"/> Fair		Poor		Leaking Other									
Container Size: Bbls		85 Gals		<input checked="" type="radio"/> 65 Gals		42 Gals		30 Gals 16 Gals 10 Gals 5 Gals Other								
Container Contents: Full		3/4		2/3		<input checked="" type="radio"/> 1/2		1/4 <1/4 Other								
Physical State		Color		Clarity		Layer Thickness		Field Analysis								
Layers	Liquid	Solid	Gel	Sludge	Use standard colors		(Inches)	pH	TVA FID 0.2							
					Clear	Cloudy		Opaque	<input checked="" type="radio"/> Gas	TVA FID						
A					AMBER				Drum Labels / Markings							
B									DOT							
C									UN / NA							
Mfg. Name and Address:																
Chemical Name:																
Additional Information: NO MARKINGS																
Haz-Cat Data						Hazard Category:										
Radiation: Positive *			mR/Hour			Analyst(s):										
Negative			Counts/Minute			Date Performed:										
Physical State		Color		Clarity		Water Sol	React *	pH	Hex Sol	Oxid	Per	Hal	Com-bust	Acid	Sul/CN	
Layers	Liquid	Solid	Gel	Sludge	Use standard colors		S, PS, or I; Rel. Dens. H or L	Air or Water	Use std. units	S or I	+ or -	+ or -	XF, F, C, or NF	Sul, or As	Sul	
					Clear	Cloudy									Opaque	
A	X				AMBER				10							
B																
C																
PCB Concentration						Other Test										
Comments: DOESN'T BUBBLE LIKE DM007, BUT NO BUBBLES NO FLASH / NO CI																
Bulk Group:						Waste Stream:										
Bulk Group Number:						Waste Stream Number:										
* If material is positive for radioactivity or is reactive with air or water, perform no further tests.																

DM009

EPA REGION 4 START CONTAINER INVENTORY LOG Container Number:

Site Name: Harrell Construction Location: Johnson City Date: 7-MAY-09
 TDD #: ITEM 05-001-0097 Sampler(s): R. MAYER / C. DRAPER Time:

Weather/Temperature:
 Container Type: Steel Poly or Poly-lined BLUE Fiber Stainless Steel Welded Bolted

Container Lid Type: Ring-top Closed-top Bung: Present? Y N Hatch Other

Container Condition: Good Fair Poor Leaking Other

Container Size: Bbls 85 Gals 55 Gals 42 Gals 30 Gals 16 Gals 10 Gals 5 Gals Other

Container Contents: Full 3/4 2/3 1/2 1/3 1/4 <1/4 Other

Layers	Physical State					Color	Clarity			Layer Thickness (Inches)	Field Analysis	
	Liquid	Solid	Gel	Sludge	Use standard colors		Clear	Cloudy	Opaque		pH	TVA
A	X					<u>DARK BROWN</u>			✓	<u>2"</u>	<u>1.6</u>	<u>Drum Labels / Markings</u>
B				X		<u>BLACK</u>			✓	<u>24"</u>		
C												

Mfg. Name and Address:
 Chemical Name:

Additional Information: LABEL: RHEOBUILD 1000 GENERATOR STATES: CONCRETE ACCELERATOR OR RETARDER

Haz-Cat Data Hazard Category:

Radiation: Positive * mR/Hour Analyst(s):
 Negative Counts/Minute Date Performed:

Layers	Physical State					Color	Clarity			Water Sol	React *	pH	Hex Sol	Oxid	Per	Hal	Com-bust	Acid	Sul/CN
	Liquid	Solid	Gel	Sludge	Use standard colors		Clear	Cloudy	Opaque										
A	X					<u>DARK BROWN BLACK</u>			✓		<u>8</u>								<u>Sul</u>
B				X		<u>"</u>			✓										<u>+</u>
C																			<u>-</u>

PCB Concentration Other Test

Comments: NOT LIKE ANY OTHERS

Bulk Group: Waste Stream:

Bulk Group Number: Waste Stream Number:

* If material is positive for radioactivity or is reactive with air or water, perform no further tests.

EPA REGION 4 START		CONTAINER INVENTORY LOG					Container Number:	
Site Name: Harrell Construction				Location: Johnson City TN		Date: 7-MAY-09		
TDD #: TRMI 05-001-0097				Sampler(s): R. MAYER / C. DRAPER		Time:		
Weather/Temperature:								
Container Type: Steel		Poly or Poly-lined		Fiber		Stainless Steel		
Welded		Bolted						
Container Lid Type: Ring-top		closed-top		RED : WHITE		Bungs: Present? <input checked="" type="radio"/> N		
Hatch		Other						
Container Condition: Good		Fair		Poor		Leaking		
Other								
Container Size: Bbls		85 Gals		55 Gals		42 Gals		
30 Gals		16 Gals		10 Gals		5 Gals		
Other								
Container Contents: Full		3/4		2/3		1/2		
1/3		1/4		1/4		1/4		
Other								
Physical State		Color		Clarity		Layer Thickness		
Field Analysis								
Layers		Use standard colors		Clear		(Inches)		
Liquid				Cloudy		pH		
Solid				Opaque		TVA <input checked="" type="radio"/> 0.2		
Gel						TVA FID		
Sludge						Other		
A		OFF ANGER				4"		
B						Drum Labels / Markings		
C						DOT		
						UN / NA		
Mfg. Name and Address:								
Chemical Name:								
Additional Information: LABEL : EXXON SAE-30 ENGINE OIL								
OIL : WATER								
Haz-Cat Data:				Hazard Category:				
Radiation: Positive *		mR/Hour		Analyst(s):		Date Performed:		
Negative		Counts/Minute						
Physical State		Color		Clarity		Water Sol		
Layers		Use standard colors		Clear		React *		
Liquid				Cloudy		pH		
Solid				Opaque		Hex Sol		
Gel						Oxid		
Sludge						Per		
A						Hal		
B						Com-bust		
C						Acid		
						Sul/CN		
						Sul		
						+		
						-		
						CN		
						+		
						-		
PCB Concentration				Other Test				
Comments								
Bulk Group:				Waste Stream:				
Bulk Group Number:				Waste Stream Number:				

* If material is positive for radioactivity or is reactive with air or water, perform no further tests.

EPA REGION 4 START		CONTAINER INVENTORY LOG						Container Number:											
Site Name: Harrell Construction				Location: Johnson City			Date: 7-MAY-09												
TDD #: ITEM1-05-001-0097				Sampler(s): R. Mayer / C. Draper			Time:												
Weather/Temperature:																			
Container Type: Steel		Poly or Poly-lined		Fiber		Stainless Steel		Welded Bolted											
Container Lid Type: Ring-top		Closed-top		RED		Bungs: Present? (Y) N		Hatch Other											
Container Condition: Good			Fair		Poor		Leaking Other												
Container Size: Bbls		85 Gals		55 Gals		42 Gals 30 Gals 16 Gals 10 Gals 5 Gals		Other											
Container Contents: Full		3/4		2/3		1/2		1/3 (1/4) <1/4 Other											
Physical State			Color			Clarity			Layer Thickness			Field Analysis							
Layers	Liquid	Solid	Gel	Sludge	Use standard colors			Clear	Cloudy	Opaque	(Inches)	pH	TVA (CID) 0.6						
A	X				AMBER							4-Gas:	TVA FID						
B												Other	Drum Labels / Markings						
C													DOT						
Mfg. Name and Address:																			
Chemical Name:																			
Additional Information: NO MARKINGS OILY WATER																			
Haz-Cat Data										Hazard Category:									
Radiation: Positive *					mR/Hour					Analyst(s):									
Negative					Counts/Minute					Date Performed:									
Physical State			Color			Clarity			Water Sol	React *	pH	Hex Sol	Oxid	Per	Hal	Com-bust	Acid	Sul/CN	
Layers	Liquid	Solid	Gel	Sludge	Use standard colors			Clear	Cloudy	Opaque	S, PS, or I, Rel. Dens. H or L	Air Use or std. units	S or I	+ or -	+ or -	+ or -	XF, F, C, or NF	Sul, CN, or As	Sul + - CN + -
A												7							
B																			
C																			
PCB Concentration										Other Test									
Comments																			
Bulk Group:										Waste Stream:									
Bulk Group Number:										Waste Stream Number:									
* If material is positive for radioactivity or is reactive with air or water, perform no further tests.																			

DMD12

EPA REGION 4 START		CONTAINER INVENTORY LOG					Container Number:												
Site Name: Horrell Construction				Location: Johnson City TN			Date: 7-MAY-09												
TDD #: TTEM1-05-001-0097				Sampler(s): R. Mayer / C. Draper			Time:												
Weather/Temperature:																			
Container Type: (Steel)		Poly or Poly-lined		Fiber		Stainless Steel		Welded Bolted											
Container Lid Type: Ring-top		(Closed-top) GREEN		Bungs: Present? (Y) N		Hatch		Other											
Container Condition: Good		(Fair)		Poor		Leaking		Other											
Container Size: Bbls		85 Gals		(65 Gals)		42 Gals		30 Gals 16 Gals 10 Gals 5 Gals Other											
Container Contents: Full		3/4		2/3		1/2		1/3 (1/4) <1/4 Other											
Physical State					Color		Clarity		Layer Thickness	Field Analysis									
Layers	Liquid	Solid	Gel	Sludge	Use standard colors		Clear	Cloudy	Opaque	(Inches)	pH	TVA PID							
											4-Gas:	TVA FID							
A					COULD NOT OPEN							Drum Labels / Markings							
B												DOT							
C												UN / NA							
Mfg. Name and Address:																			
Chemical Name:																			
Additional Information: MARKED : VOCOMP-20, WATER EMULSION ACRYLIC CURING ; SEALING COMPOUND																			
Haz-Cat Data																			
Radiation: Positive *					mR/Hour			Hazard Category:											
Negative					Counts/Minute			Analyst(s):											
								Date Performed:											
Layers	Physical State				Color		Clarity			Water Sol	React *	pH	Hex Sol	Oxid	Per	Hal	Com-bust	Acid	Sul/CN
		Liquid	Solid	Gel	Sludge	Use standard colors		Clear	Cloudy	Opaque	S, PS, or I; Rel. Dens. H or L	Air or Water	Use std. units	S or I	+ or -	+ or -	+ or -	XF, F, C, or NF	Sul, or As
A																			
B																			
C																			
PCB Concentration							Other Test												
Comments																			
COULD NOT OPEN																			
Bulk Group:										Waste Stream:									
Bulk Group Number:										Waste Stream Number:									
* If material is positive for radioactivity or is reactive with air or water, perform no further tests.																			

DM013

EPA REGION 4 START		CONTAINER INVENTORY LOG					Container Number:														
Site Name: Harrell Construction				Location: Johnson City TN			Date: 7-MAY-09														
TDD #: TDM1-05-001-0097				Sampler(s): R. Meyer / C. Propper			Time:														
Weather/Temperature:																					
Container Type: Steel		<input checked="" type="radio"/> Poly or Poly-lined		BLUE		Fiber	Stainless Steel	Welded	Bolted												
Container Lid Type: Ring-top		<input checked="" type="radio"/> Closed-top		Bungs: Present? <input checked="" type="radio"/> Y		N	Hatch	Other													
Container Condition: Good		<input checked="" type="radio"/> Fair		Poor	Leaking	Other															
Container Size: Bbls		85 Gals	<input checked="" type="radio"/> 55 Gals	42 Gals	30 Gals	16 Gals	10 Gals	5 Gals	Other												
Container Contents: Full		<input checked="" type="radio"/> 3/4	2/3	1/2	1/3	1/4	<1/4	Other													
Physical State		Color			Clarity			Layer Thickness	Field Analysis												
Layers	Liquid	Solid	Gel	Sludge	Use standard colors			Clear	Cloudy	Opaque	(Inches)	pH	TV (PID) 21.1								
															4-Gas:	TVA FID					
A	<input checked="" type="checkbox"/>				BROWN					<input checked="" type="checkbox"/>			Other	CO: 200							
B													Drum Labels / Markings								
C													DOT								
Mfg. Name and Address:													UN / NA								
Chemical Name:																					
Additional Information: SMELLS: LIKE PESTICIDE / HERBICIDE																					
Haz-Cat Data										Hazard Category:											
Radiation: Positive *					mR/Hour					Analyst(s):											
Negative					Counts/Minute					Date Performed:											
Physical State		Color			Clarity			Water Sol	React *	pH	Hex Sol	Oxid	Per	Hal	Com-bust	Acid	Sul/CN				
Layers	Liquid	Solid	Gel	Sludge	Use standard colors			Clear	Cloudy	Opaque	S, PS, or I; Rel. Dens. H or L	Air	Use	S	+	+	+	XF, F, C, or NF	Sul, CN, or As	Sul	
																or	std. units	or	or	or	or
A													7								
B																					
C																					
PCB Concentration										Other Test											
Comments																					
THERE IS A 30-GAL DRUM OF ROUNDUP PRO THAT IS EMPTY																					
Bulk Group:										Waste Stream:											
Bulk Group Number:										Waste Stream Number:											
* If material is positive for radioactivity or is reactive with air or water, perform no further tests.																					

APPENDIX D

LOGBOOK NOTES
(Three Sheets)

**"Outdoor writing products...
...for outdoor writing people."**



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JOURNAL**
No. 391

ITEM 1-05-001-0097

HARBELL CONSTRUCTION

ABANDONED DRUMS

6-MAY-2009 HAROLD CONSTRUCTION
ABANDONED DRUMS

R. May

COORDINATES - N. 36.29982 W - 82.38739

1840 - START MAYOR IS CONTACTED BY START BERRY ABOUT AN EMERGENCY RESPONSE.

1910 - START MAYOR CONTACTS OSC ALYSSA HUGHES. OSC HUGHES BRIEFS START MAYOR ABOUT THE RESPONSE. EPA OSC HUGHES FORWARDS INCIDENT REPORT # 904804 TO START MAYOR, AND REQUEST THAT START MOBILIZE TO THE SITE IN JOHNSON CITY, TENN. AT 622 EMBREVILLE RD. WASHINGTON COUNTY.

2030 - START MAYOR ARRIVES AT TBM1 START OFFICE IN DULUTH, GA TO PREPARE MATERIALS FOR SAMPLING OF DRUMS.

START DRAPER FROM THE TBM1 NASHVILLE OFFICE WILL MEET START MAYOR AROUND 1200 HOURS ON SITE, THURSDAY 7-MAY-09.

- APPROXIMATELY 15 DRUMS AT AN ABANDONED SITE WERE REPORTED. DRUMS WERE NOTED AS BEING LABELED RHEOBUILD 1000 AND POZZOLITH 300-R.

2200 - START MAYOR LEAVES THE DULUTH OFFICE FOR THE NIGHT.

R. May

7-MAY-09 HAROLD CONSTRUCTION

R. May

0730 - START MAYOR ARRIVES AT ENTERPRISE TO PICKUP RENTAL CAR.

0745 - START MAYOR ARRIVES AT START DULUTH OFFICE TO LOAD SUPPLIES AND EQUIPMENT.

0800 - START MAYOR LEAVES DULUTH OFFICE ENROUTE TO SITE IN JOHNSON CITY.

1215 - START MAYOR ARRIVES ON SITE. OSC GERARD AND HUGHES ARE ON SITE WITH ENVIRONMENTAL RESTORATION (ER). OSC HUGHES IS IN CONTACT WITH THE PROPERTY OWNER AND HE IS ON SITE AND AHEAD TO CLEANUP AND DISPOSE OF ALL CHEMICALS ON SITE. OSC HUGHES IS REQUESTING THAT START PERFORM HAZCAT ON A FEW DRUMS.

1230 - ETZ AND PROPERTY OWNER HAVE STAGED ALL CONTAINERS IN A COVERED SHED.

- WEATHER 72°F PARTLY CLOUDY, SLIGHT WIND.

1245 - START DRAPER ARRIVES ON SITE. START GO PERFORM AN INVENTORY AND HAZCAT AS PER OSC HUGHES DIRECTION.

1500 - START FINISHES HAZCAT OF 13 DRUMS. DRUM 13 WAS POSSIBLY HARB/POST.

1510 - START AND OSC HUGHES REVIEW DOCUMENTS
 1545 - START MAYOR AND DRAPER LEAVE SITE AND
 DEMOBE BACK TO OFFICE. OSC GERRARD AND
 HUGHES LEAVE SITE. CUNBER HAS LOCKED AND
 SECURED THE SITE.

~~2000~~

2020 - START MAYOR ARRIVES BACK AT STATE
 OFFICE IN PULASKI.

~~RM
 7-MAY-09~~

~~RM~~

APPENDIX E

TABLE OF WITNESSES
(One Page)

**HARRELL CONSTRUCTION ABANDONED DRUM
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