



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

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.

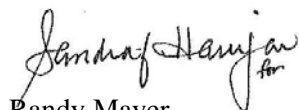
The containers were then subjected to field hazard categorization testing by START. All containers were found to contain non-hazardous petroleum products and commercial concrete sealers (see Appendix C).

OFF-SITE DISPOSAL

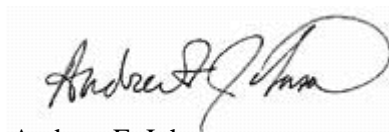
OSC Hughes will assist the owner of the property with the necessary steps to dispose of the containers and their contents. EPA, START, and ER secured all entrances to the facility and demobilized from the site the same day.

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.



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 Pozzoloth 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)

DM002

EPA REGION 4 START				CONTAINER INVENTORY LOG										Container Number:								
Site Name: HARRELL CONSTRUCTION				Location: Johnson City, TN						Date: 7-May-09												
TDD #: TTM1-05-001-0097				Sampler(s): R. MAYER / E. DRAPER						Time:												
Weather/Temperature:																						
Container Type: Steel				Poly or Poly-lined				Fiber				Stainless Steel										
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										
Physical State					Color					Clarity			Layer Thickness		Field Analysis							
Layers	Liquid	Solid	Gel	Sludge	Use standard colors					Clear	Cloudy	Opaque	(Inches)	pH		TVAP 0.0						
														4-Gas		TVA FID						
A	X				BLACK (OIL)									Drum Labels / Markings								
B														DOT								
C														UN / NA								
Mfg. Name and Address:																						
Chemical Name:																						
Additional Information: MARKED BY ERRS: 1/2 CUT DRUM OIL & DEBRIS APPROX 15 GAL 1/2 A SS IN YELLOW 85 GAL O/P																						
Haz-Cat Data																						
Radiation: Positive *					mR/Hour					Hazard Category:												
Negative					Counts/Minute					Analyst(s):												
										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	+ or -	+ or -	+ or -	XF, F, C, or NF	Sul, CN, or As	Sul + - CN + -
A																						
B																						
C																						
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.																						

DM003

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: <u>Steel</u>		Poly or Poly-lined				Fiber		Stainless Steel				Welded		Bolted							
Container Lid Type: Ring-top		<u>Closed-top</u>				Bungs: Present? <u>Y</u>		N		Hatch		Other									
Container Condition: Good		<u>Fair</u>				Poor		Leaking		Other											
Container Size: Bbls		85 Gals		<u>55 Gals</u>		42 Gals		30 Gals		16 Gals		10 Gals		5 Gals		Other					
Container Contents: Full		3/4		<u>2/3</u>		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 <u>PID</u> 0.0								
A	X				WHITE (PASTE)					✓		4-Gas	TVA FID								
B												Other	Drum Labels / Markings								
C													DOT								
Mfg. Name and Address:																					
Chemical Name:																					
Additional Information:																					
Haz-Cat Data																					
Radiation: Positive *				mR/Hour				Hazard Category:													
Negative				Counts/Minute				Analyst(s):													
								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	<u>S, PS, or I; Rel. Dens. H or L</u>	Air	Use	S	+	+	+	XF, F, C, or NF	Sul, CN, or 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 #: ITEM1-05-001-0097						Sampler(s): R. MAYOR / E. DRAPER						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		Closed-top				Bungs: Present? Y		N		Hatch		Other							
Container Condition: Good		<input checked="" type="radio"/> 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="radio"/> 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							
											<input checked="" type="radio"/> Gas	TVA FID							
											Other								
												Drum Labels / Markings							
A	X				BLACK / NON-VISCOUS				✓										
B											DOT								
C											UN / NA								
Mfg. Name and Address:																			
Chemical Name:																			
Additional Information: LABELED: POZZOLITH 300-R (HAVE MSDS) GENERATOR STATES: CONCRETE ACCELERATOR OR RETARDER																			
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 std. units	S or I	+	+	+	XF, F, C, or NF	Sul, CN, or As	Sul + - CN + -
A	X				BLACK				✓			7							
B																			
C																			
PCB Concentration										Other Test									
Comments: THIS IS 1 of 3 POLY DRUMS LABELED THE SAME DM005 IS EXACT SAME / DM006 - SAME ALSO - ALL FULL																			
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: <u>Harrell Construction</u>					Location: <u>Johnson City, TN</u>					Date: <u>7-MAY-09</u>									
TDD #: <u>ITEM1-05-001-0097</u>					Sampler(s): <u>R. MAYOR / C. DRAPER</u>					Time:									
Weather/Temperature:																			
Container Type: Steel		<u>(Poly)</u> or Poly-lined <u>BLUE</u>			Fiber		Stainless Steel		Welded		Bolted								
Container Lid		<u>(Closed-top)</u>			Bungs: Present? <u>(Y)</u> N		Hatch		Other										
Type:																			
Container Condition:		Good			<u>(Fair)</u>		Poor		Leaking		Other								
Container Size:		Bbls			85 Gals		<u>(55 Gals)</u>		42 Gals		30 Gals 16 Gals 10 Gals 5 Gals Other								
Container Contents:		<u>(Full)</u>			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 <u>(PID)</u> <u>0.0</u>							
A	✓				<u>clear AMBER</u>		✓				<u>(A-Gas)</u>	TVA FID							
B											Other	Drum Labels / Markings							
C												DOT							
Mfg. Name and Address:																			
Chemical Name:																			
Additional Information: <u>GENERATOR STATES: AERATOR (SOAP) TO PUT AIR BUBBLES IN CONCRETE</u> <u>APPEARS TO BE SURFACTANT</u> <u>NO MARKINGS</u>																			
Haz-Cat Data																			
Radiation: Positive *				mR/Hour				Hazard Category:											
Negative				Counts/Minute				Analyst(s):											
Physical State				Color		Clarity		Water Sol		Date Performed:									
Layers	Liquid	Solid	Gel	Sludge	Use standard colors		Clear	Cloudy	Opaque	React	pH	Hex Sol	Oxid	Per	Hal	Com-bust	Acid	Sul/CN	
A	X				<u>AMBER</u>					<u>(S) PS, or I; Rel. Dens. H or L</u>	Air	Use	S	+	+	+	XF, F, C, or NF	Sul, CN, or As	Sul + - CN + -
B											10								
C																			
PCB Concentration										Other Test									
Comments																			
<u>SOAP</u>																			
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: <u>Harell Construction</u>				Location: <u>Johnson City TN</u>						Date: <u>7-MAY-09</u>													
TDD #: <u>ITEM1-05-001-0097</u>				Sampler(s): <u>R. MAYER / E. DRAPER</u>						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				<u>BLUE</u>				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				1/2				<input checked="" type="radio"/> 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 FID <u>0.2</u>									
														<input checked="" type="radio"/> Gas		TVA FID		Other					
A					<u>AMBER</u>									Drum Labels / Markings									
B														DOT									
C														UN / NA									
Mfg. Name and Address:																							
Chemical Name:																							
Additional Information: <u>NO MARKINGS</u>																							
Haz-Cat Data																							
Radiation: Positive *				mR/Hour				Hazard Category:															
Negative				Counts/Minute				Analyst(s):															
								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 std. units	S or I	+ or -	+ or -	+ or -	XF, F, C, or NF	Sul, CN, or As	Sul + - CN + -	
A	<u>X</u>				<u>AMBER</u>																		
B																							
C																							
PCB Concentration										Other Test													
Comments: <u>DOESN'T BUBBLE LIKE DM007, BUT NO BUBBLES</u> <u>NO FLASH / NO CI</u>																							
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: <u>Harrell Construction</u>					Location: <u>Johnson City</u>					Date: <u>7-MAY-09</u>													
TDD #: <u>ITEM 05-001-0097</u>					Sampler(s): <u>R. MAYER / C. DRAPER</u>					Time:													
Weather/Temperature:																							
Container Type: Steel		<u>Poly</u> or Poly-lined <u>BLUE</u>			Fiber		Stainless Steel		Welded		Bolted												
Container Lid Type: Ring-top		<u>Closed-top</u>			Bungs: Present? Y N		Hatch		Other														
Container Condition: Good		<u>Fair</u>			Poor		Leaking		Other														
Container Size: Bbls		85 Gals		<u>55 Gals</u>		42 Gals		30 Gals		16 Gals		10 Gals		5 Gals		Other							
Container Contents: <u>Full</u>		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 <u>FID</u> 1.6									
													<u>Gas</u>	TVA FID									
A	X				<u>DARK BROWN</u>							<u>2"</u>	<u>Drum Labels / Markings</u>										
B				X	<u>BLACK</u>							<u>24"</u>	DOT										
C													UN / NA										
Mfg. Name and Address:																							
Chemical Name:																							
Additional Information: <u>LABEL: RHEOBUILD 1000</u> <u>GENERATOR STATES: CONCRETE ACCELERATOR <u>OR</u> RETARDER</u>																							
Haz-Cat Data																							
Radiation: Positive *				mR/Hour				Hazard Category:															
Negative				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	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	CN		
A	X				<u>DARK BROWN BLACK</u>																	Sul +	
B				X	<u>"</u>																		-
C																							CN +
PCB Concentration										Other Test													
Comments: <u>NOT LIKE ANY OTHERS</u>																							
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: <u>Harrell Construction</u>				Location: <u>Johnson City TN</u>				Date: <u>7-MAY-09</u>			
TDD #: <u>REM1 05-001-0097</u>				Sampler(s): <u>R. MAYER / C. DRAPER</u>				Time:			
Weather/Temperature:											
Container Type: <u>Steel</u>		Poly or Poly-lined		Fiber		Stainless Steel		Welded		Bolted	
Container Lid Type: <u>Ring-top</u>		<u>closed-top</u>		<u>RED : WHITE</u>		Bungs: Present? <u>Y</u> N		Hatch		Other	
Container Condition: <u>Good</u>				<u>Fair</u>		Poor		Leaking		Other	
Container Size: <u>Bbls</u>		<u>85 Gals</u>		<u>55 Gals</u>		<u>42 Gals</u>		<u>30 Gals</u>		<u>16 Gals</u>	
Container Contents: <u>Full</u>		<u>3/4</u>		<u>2/3</u>		<u>1/2</u>		<u>1/3</u>		<u>1/4</u>	
Physical State		Color		Clarity		Layer Thickness		Field Analysis			
Layers	Liquid	Solid	Gel	Sludge	Use standard colors	Clear	Cloudy	Opaque	(Inches)	pH	TVA <u>ED</u> <u>0.2</u>
A	<u>X</u>				<u>off AMBER</u>			<u>✓</u>	<u>4"</u>	<u>Gas</u>	TVA FID
B										Other	Drum Labels / Markings
C										DOT	
Mfg. Name and Address:											
Chemical Name:											
Additional Information: <u>LABEL : EXXON SAE-30 ENGINE OIL</u> <u>OIL : WATER</u>											
Haz-Cat Data:											
Radiation: Positive *				mR/Hour				Hazard Category:			
Negative				Counts/Minute				Analyst(s):			
Physical State				Color		Clarity		Water Sol		Date Performed:	
Layers	Liquid	Solid	Gel	Sludge	Use standard colors	Clear	Cloudy	Opaque	React *	pH	Hex Sol
A									S, PS, or I, Rel. Dens. H or L	Air or Water	Use std. units
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.											

DM011

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

EPA REGION 4 START		CONTAINER INVENTORY LOG										Container Number:							
Site Name: Horrell Construction						Location: Johnson City TN						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 GREEN				Bungs: Present? Y		N SEALED				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						
											4-Gas:		TVA FID						
											Other								
											Drum Labels / Markings								
A					COULD NOT OPEN						DOT								
B											UN / NA								
C																			
Mfg. Name and Address:																			
Chemical Name:																			
Additional Information: MARKED : VOCOMP-20, WATER EMULSION ACRYLIC CURING ; SEALING COMPOUND																			
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 std. units	S or I	+ or -	+ or -	+ or -	XF, F, C, or NF	Sul, CN, or As	Sul + - CN + -
A																			
B																			
C																			
PCB Concentration										Other Test									
Comments: COULD NOT OPEN																			
Bulk Group:																			
Bulk Group Number:																			
Waste Stream:																			
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: <u>Harrell Construction</u>						Location: <u>Johnson City TN</u>						Date: <u>7-MAY-09</u>					
TDD #: <u>TRM1-05-001-0097</u>						Sampler(s): <u>R. May / C. Propper</u>						Time:					
Weather/Temperature:																	
Container Type: Steel		<input checked="" type="radio"/> Poly or Poly-lined		<u>BLUE</u>		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					
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	TVA (PID)	21.1					
A	X				BROWN			X		4-Gas:	TVA FID	CO: 200					
B										Other	Drum Labels / Markings						
C										DOT	UN / NA						
Mfg. Name and Address:																	
Chemical Name:																	
Additional Information: <u>SMELLS: LIKE PESTICIDE / HERBICIDE</u>																	
Haz-Cat Data																	
Radiation: Positive *				mR/Hour				Hazard Category:									
Negative				Counts/Minute				Analyst(s):									
Physical State				Color		Clarity		Water Sol		Date Performed:							
Layers	Liquid	Solid	Gel	Sludge	Use standard colors	Clear	Cloudy	Opaque	React *	pH	Hex Sol	Oxid	Per	Hal	Com-bust	Acid	Sul/CN
A									Air	Use	S	+	+	+	XF,	Sul,	Sul
B									or	std.	or	or	or	or	F, C,	CN,	+
C									Water	units	I	-	-	-	NF	As	-
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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ALL-WEATHER
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
TO 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 ORUM LOGS

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

2000h

2030 - START MAYOR ARRIVES BACK AT STATE
OFFICE IN DULUTH.

RM
7-11-09

RM

APPENDIX E

TABLE OF WITNESSES (One Page)

**HARRELL CONSTRUCTION ABANDONED DRUM
TABLE OF WITNESSES**

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