



September 11, 2009

Mr. Carter Williamson  
On-Scene Coordinator  
U.S. Environmental Protection Agency Region 4  
Sam Nunn Atlanta Federal Center  
61 Forsyth Street NW  
Atlanta, Georgia 30303

**Subject: Final Incident Response Letter Report  
Alliance Environmental Tanker Spill  
Atlanta, Fulton County, Georgia  
Technical Direction Document (TDD) No.: TNA-05-001-0090  
Contract No.: EP-W-05-053**

Dear Mr. Williamson:

The Oneida Total Integrated Enterprise - T N & Associates, Inc. (OTIE-TN&A), Superfund Technical Assessment and Response Team (START) has prepared this Incident Response Letter Report detailing the activities conducted in support of the U.S. Environmental Protection Agency (EPA). The scope of this response was to provide technical support to the EPA On-Scene Coordinator (OSC) during the Alliance Environmental Tanker Spill emergency response in Atlanta, Fulton County, Georgia.

START was tasked to respond to an unknown liquid release from an unidentified tanker and to help identify whether the liquid was a hazardous substance. Specifically, the TDD requested START to provide qualified personnel, prepare a health and safety plan (HASP) with possible sampling plan, conduct air monitoring, procure a laboratory, document all site activities with written logbook notes and photographs, and prepare a letter report summarizing the site activities.

Figures are provided as Attachment A, the photographic log of site activities is provided as Attachment B, the laboratory analytical results are provided as Attachment C, the Georgia Environmental Protection Division (GAEPD) Remediation Objectives is provided as Attachment D, and a complete copy of the logbook notes are provided as Attachment E.

### **Physical Location**

The suspected Point of Release (POR) for the spill was a storm drain in the semi tractor trailer parking lot of a fueling station located at 5705 Fulton Industrial Boulevard, SW in Atlanta, Fulton County, Georgia. The fueling station is capable of servicing semi tractor trailers on the northern side of the property. The geographic coordinates for the suspect POR are latitude 33.731219° north and longitude -84.575697° west. Figure 1 located in Attachment A illustrates the location of the POR and the surrounding areas. The spilled material flowed approximately 0.25 miles through a concrete pipe into a retention pond located approximately 0.3 miles upgradient from the Chattahoochee River. The geographical coordinates for the retention pond are latitude 33.734858° north and longitude -84.577892° west. (see Attachment A, Figure 2).

### **Incident Response**

On August 7, 2009 at 15:23 hours (Eastern Standard Time [EST]), START was notified by the EPA phone duty officer of an incident involving a tanker truck that had released an unknown liquid in the vicinity of 5705 Fulton Industrial Boulevard, SW, Atlanta, Fulton County, Georgia 30336 (see Attachment A, Figure 1). At 16:35 hours, START mobilized to the site as requested by EPA with air monitoring and sampling equipment, and a site-specific HASP. Fulton County Fire Department had been activated approximately two hours earlier.

At 17:24 hours, START arrived on site and set-up on Camp Creek Parkway, near the retention pond and the Fulton County Fire Department vehicles. EPA OSC Williamson, Ted Jackson of the Georgia Environmental Protection Department (GAEPD) Emergency Response, Fulton County Fire Department personnel, and the Emergency Rapid Response Services (ERRS) contractor, First Environmental, were already on site upon START's arrival. START performed an initial reconnaissance of the site that included a small, natural, swale that had its flow blocked by an earthen dam constructed by the Fulton County Fire Department. This dam was constructed at the outfall of the retention pond to prevent discharge from the retention pond. The flood gate at the retention pond was also closed; however, it could not be completely sealed; therefore, some aqueous material continued to be released from the retention pond.

The water ponding at the earthen dam was tested for pH and the air quality above the dam was screened. Water was tested for pH with color-pHast<sup>®</sup> pH strips resulting in readings of pH 4 to pH 5. Air

monitoring was performed using a MultiRAE Plus<sup>®</sup> gas monitor capable of monitoring oxygen, lower explosive limit (LEL), carbon monoxide, hydrogen sulfide and organic vapor levels. Air monitoring readings were zero for all parameters except oxygen which indicated an ubiquitous level of 20.9 parts per million (ppm). The geographic coordinates for the earthen dam were collected using a Global Positioning System (GPS) unit.

At 18:40 hours, START collected one representative sample of the unknown liquid contained at the retention pond for organic parameter analysis. The samples were collected in three 1-liter amber bottles and three 40-ml clear glass vials. Additional air monitoring of the sampling area were zero for all parameters other than oxygen (20.9 ppm). Sampling locations were identified using the GPS unit and recorded in the logbook. Later investigations noted that the perimeter of the retention pond measured approximately 0.1 mile and was located approximately 0.32 miles upgradient of the Chattahoochee River. A photographic log of site activities and observations is provided as Attachment B.

At 19:12 hours, START briefed OSC Williamson with site updates including reconnaissance observations, instrument readings, samples collected, and recommended analytical methods. As noted earlier, there were no notable air monitoring or elevated pH readings. START did notice a moderate to strong odor near the earthen dam and a slightly different, potent odor, at the retention pond. It was decided that the samples would be analyzed for volatile organic compounds (VOCs) and semivolatile compounds (SVOCs). In addition, based on the strong odors detected at the retention pond, the samples would also be tested for oil and grease. The OSC determined that if the oil and grease analysis showed a positive result, then ERRS would skim the retention pond and treat the 'oily' material. However, if the result was negative for oil and grease then ERRS would pump out the entire content of the retention pond and transport the material off site for proper disposal. Final decisions would be based on the laboratory analytical results and site observations.

At 20:20 hours on August 7, 2009, START was released from the site and demobilized. Visitors to the site that evening included the local Channel 5 News Team, local Channel 46 News Team, and EPA Criminal Investigation Division (CID) personnel.

On August 8, 2009, START hand-delivered the water samples to Analytical Environmental Services (AES), in Atlanta, Georgia. The laboratory was closed on Friday evening; therefore, the samples were

packaged and stored on ice until delivery on Saturday August 8, 2009. Sample preparation and analysis by AES commenced on Monday, August 10, 2009.

On August 13, 2009, EPA requested that START re-mobilize to the site to perform additional surface water sampling for fecal coliform and pH analysis. Under 40 CFR 141.74(a)(1) the holding time for fecal coliform for surface waters is 8 hours; therefore, the sample could not have been collected with the original samples. Any fecal coliform samples collected on Friday would have exceeded holding time, and been invalid by the time of analysis on Monday. START arrived at the site at 12:00 hours, with laboratory provided sampling containers for fecal coliform and pH analysis. The fecal coliform and pH samples were collected at the same location as the samples collected on August 7, 2009. At 13:00 hours sampling was completed and START departed the site for the laboratory.

### **Analytical Results**

Surface water samples collected from the retention pond were analyzed for VOCs, SVOCs, Oil and Grease, fecal coliform, and pH. Laboratory analytical results are provided as Attachment C. Analytical results indicate that the retention pond sample contained low level VOCs including 2-butanone (150 micrograms per liter [ $\mu\text{g/L}$ ]), acetone (150  $\mu\text{g/L}$ ), and toluene (25  $\mu\text{g/L}$ ). No SVOCs were detected above the associated method detection limits. Oil and Grease was detected at a concentration of 683 milligrams per liter (mg/L). Fecal coliform was not detected and the pH was 4.57.

### **Conclusion**

Further investigation by the EPA determined that a truck from Alliance Environmental Tanker released "cake-mix" into a storm drain located at 5705 Fulton Industrial Boulevard SW, Atlanta, Georgia. Prior to obtaining this information, EPA tasked ERRS to skim the retention pond to reduce the potential impact of a suspect hazardous substance from reaching the Chattahoochee River. Among other advantages, the skimming operation reduced the concentration of oil and grease from the retention pond.

Based on the analytical results of surface water sampling and the information obtained from an interview with Alliance Environmental Tanker, there no longer appeared to be a hazardous situation under the federal regulations. However under state oversight, GAEPD personnel requested further action be taken (see Attachment D). At the request of EPA, START provided electronic copies of the analytical results to GAEPD and ERRS for disposal purposes.

If you have any questions or comments regarding this Letter Report or require any additional information, please contact me at 678-355-5550 ext. 2231, or Mr. Greg Kowalski, START Program Manager, at 678-355-5550 ext. 5704.

Sincerely,

Lou von Oldenburg

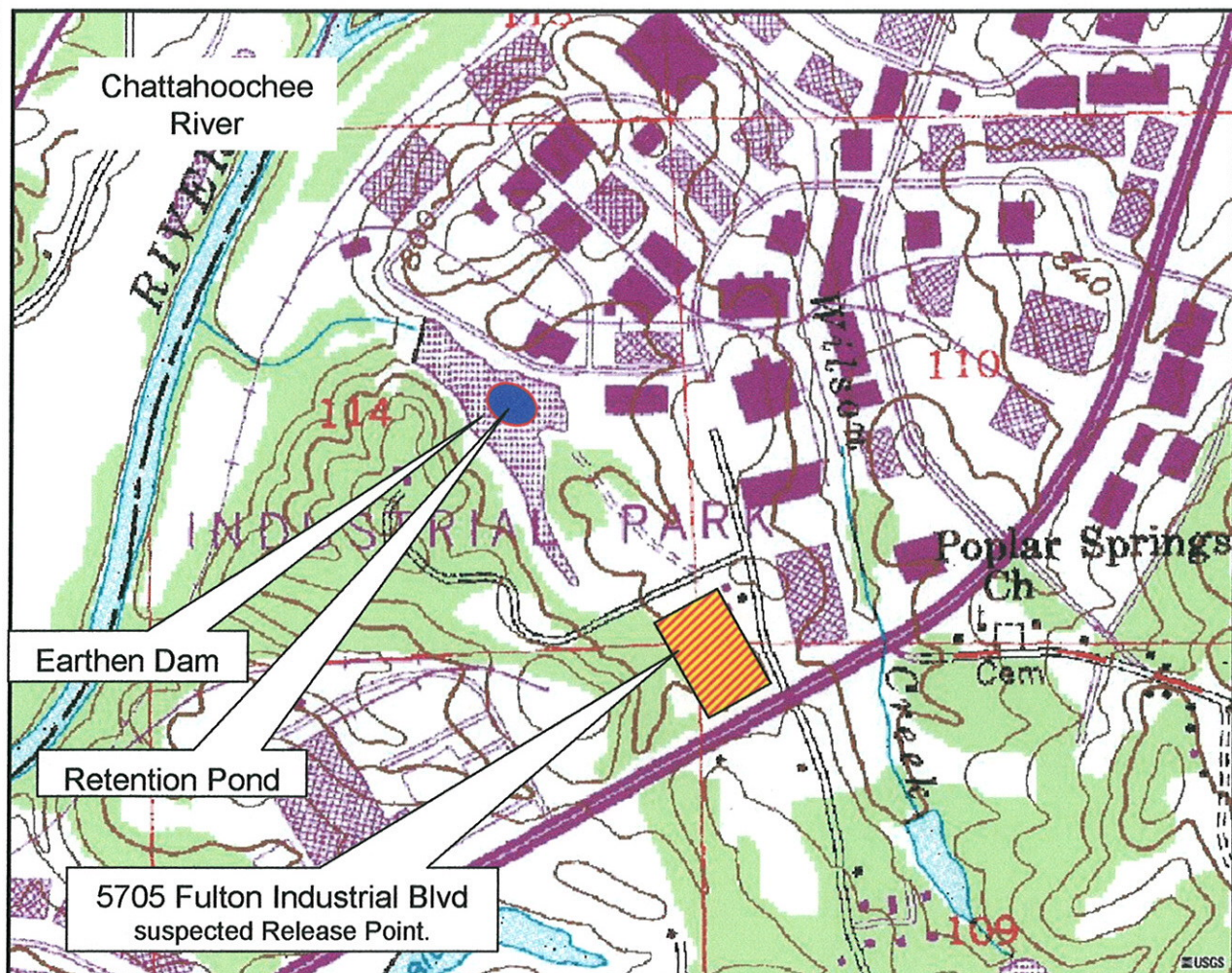
Sr. Environmental Chemist

Enclosures

Attachment A – Figures  
Attachment B – Photographic Log  
Attachment C – Analytical Results  
Attachment D – GAEPD Remediation Objectives  
Attachment E – Logbook Notes

**ATTACHMENT A**  
**FIGURES**





## Legend

Site Boundary

SOURCE: MODIFIED FROM  
USGS 7.5 MINUTE  
QUADRANGLE: Atlanta SW 1982

Disclaimer: This map is intended for visual orientation use only. In no way is this map to be used for precise locational use.



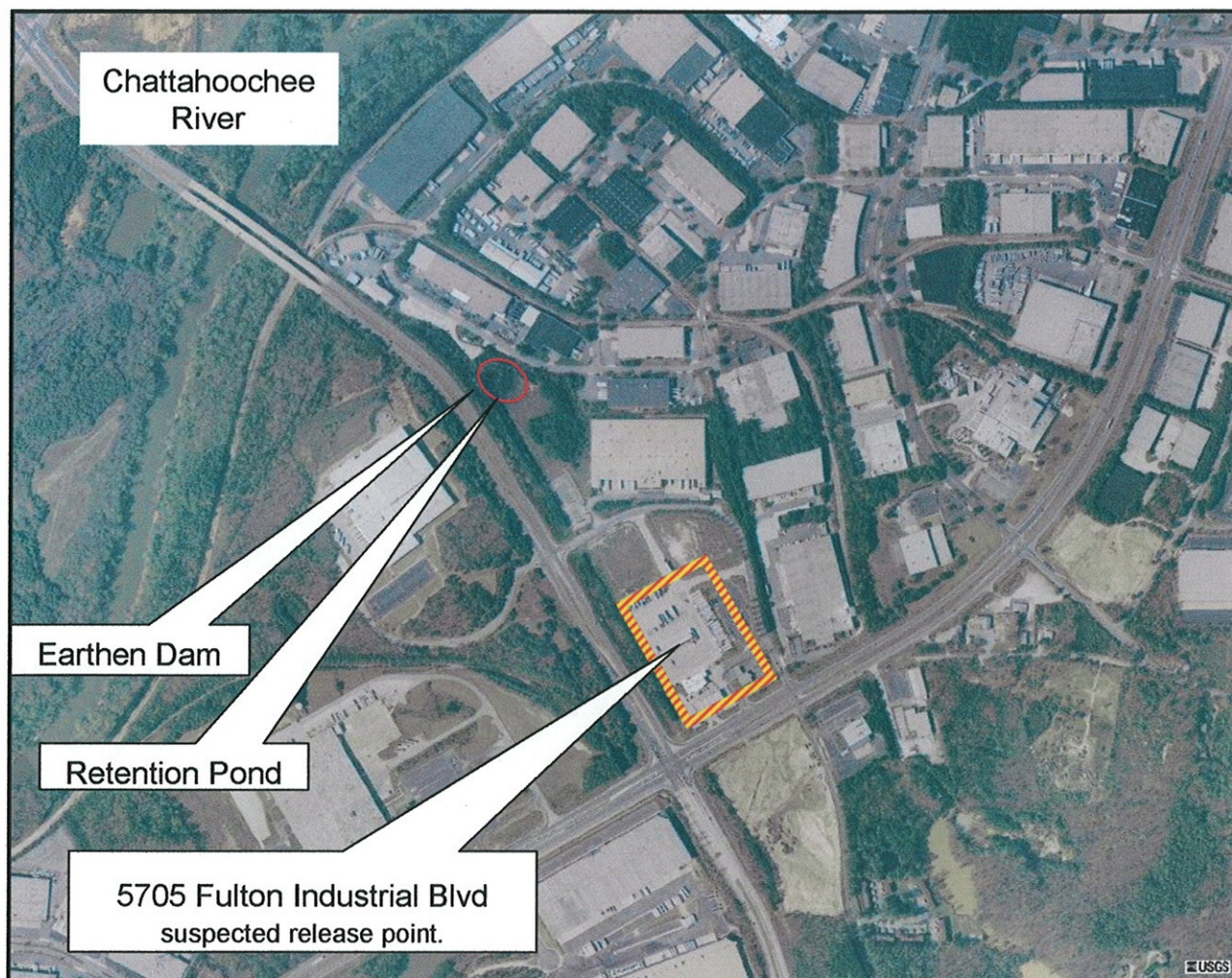
United States Environmental Protection Agency

OTIE-TN & ASSOCIATES  
MARIETTA, COBB COUNTY,  
GEORGIA  
TDD No. TNA-05-001-0090

FIGURE 1  
TOPOGRAPHICAL MAP







\\GIS\_Workspace\TN\_Associates\pdfs\FIG1\_TopoMap.pdf

## Legend

Site Boundary

SOURCE: MODIFIED FROM  
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QUADRANGLE: Atlanta SW 1982

Disclaimer: This map is intended for visual orientation use only. In no way is this map to be used for precise locational use.



United States Environmental Protection Agency

OTIE-TN & ASSOCIATES  
MARIETTA, COBB COUNTY,  
GEORGIA  
TDD No. TNA-05-001-0090

FIGURE 2  
SITE MAP





**ATTACHMENT B**  
**PHOTOGRAPHIC LOG**



Site: Alliance Environmental Tanker

OSC: C. Williamson

Date: August 7, 2009

TDD: TNA-05-001-0090

Photographer: L. von Oldenburg

Contract: EP-W-05-053

Photograph: 1  
Direction: SE  
Notes: Retention Pond



Photograph: 2  
Direction: E  
Notes: Retention Pond with  
surface scum







Site: Alliance Environmental Tanker

OSC: C. Williamson

Date: August 7, 2009

TDD: TNA-05-001-0090

Photographer: L. von Oldenburg

Contract: EP-W-05-053

Photograph: 3  
Direction:  
Notes: Looking down the  
flood gate control



Photograph: 4  
Direction: SW  
Notes: Retention pond inlet







Site: Alliance Environmental Tanker

OSC: C. Williamson

Date: August 7, 2009

TDD: TNA-05-001-0090

Photographer: L. von Oldenburg

Contract: EP-W-05-053

Photograph: 5  
Direction: E  
Notes: Retention pond,  
sampling location.



Photograph: 6  
Direction: SE  
Notes: edge of retention  
pond



**ATTACHMENT C**  
**ANALYTICAL RESULTS**

# Analytical Environmental Services, Inc.

Date: 11-Aug-09

CLIENT: Oneida Total Integrated Enterprises  
Project: Fulton Ind - ER  
Lab ID: 0908507-001

Client Sample ID: ER-FULIND-080709  
Collection Date: 8/7/2009 6:40:00 PM  
Matrix: AQUEOUS

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
<b>TCL-SEMIVOLATILE ORGANICS SW8270D</b>					<b>(SW3510)</b>		<b>Analyst: YH</b>
1,1'-Biphenyl	BRL	500		ug/L	116780	5	8/10/2009 4:36 PM
2,4,5-Trichlorophenol	BRL	1200		ug/L	116780	5	8/10/2009 4:36 PM
2,4,6-Trichlorophenol	BRL	500		ug/L	116780	5	8/10/2009 4:36 PM
2,4-Dichlorophenol	BRL	500		ug/L	116780	5	8/10/2009 4:36 PM
2,4-Dimethylphenol	BRL	500		ug/L	116780	5	8/10/2009 4:36 PM
2,4-Dinitrophenol	BRL	1200		ug/L	116780	5	8/10/2009 4:36 PM
2,4-Dinitrotoluene	BRL	500		ug/L	116780	5	8/10/2009 4:36 PM
2,6-Dinitrotoluene	BRL	500		ug/L	116780	5	8/10/2009 4:36 PM
2-Chloronaphthalene	BRL	500		ug/L	116780	5	8/10/2009 4:36 PM
2-Chlorophenol	BRL	500		ug/L	116780	5	8/10/2009 4:36 PM
2-Methylnaphthalene	BRL	500		ug/L	116780	5	8/10/2009 4:36 PM
2-Methylphenol	BRL	500		ug/L	116780	5	8/10/2009 4:36 PM
2-Nitroaniline	BRL	1200		ug/L	116780	5	8/10/2009 4:36 PM
2-Nitrophenol	BRL	500		ug/L	116780	5	8/10/2009 4:36 PM
3,3'-Dichlorobenzidine	BRL	500		ug/L	116780	5	8/10/2009 4:36 PM
3-Nitroaniline	BRL	1200		ug/L	116780	5	8/10/2009 4:36 PM
4,6-Dinitro-2-methylphenol	BRL	1200		ug/L	116780	5	8/10/2009 4:36 PM
4-Bromophenyl phenyl ether	BRL	500		ug/L	116780	5	8/10/2009 4:36 PM
4-Chloro-3-methylphenol	BRL	500		ug/L	116780	5	8/10/2009 4:36 PM
4-Chloroaniline	BRL	500		ug/L	116780	5	8/10/2009 4:36 PM
4-Chlorophenyl phenyl ether	BRL	500		ug/L	116780	5	8/10/2009 4:36 PM
4-Methylphenol	100	500	J	ug/L	116780	5	8/10/2009 4:36 PM
4-Nitroaniline	BRL	1200		ug/L	116780	5	8/10/2009 4:36 PM
4-Nitrophenol	BRL	1200		ug/L	116780	5	8/10/2009 4:36 PM
Acenaphthene	BRL	500		ug/L	116780	5	8/10/2009 4:36 PM
Acenaphthylene	BRL	500		ug/L	116780	5	8/10/2009 4:36 PM
Acetophenone	BRL	500		ug/L	116780	5	8/10/2009 4:36 PM
Anthracene	BRL	500		ug/L	116780	5	8/10/2009 4:36 PM
Atrazine	BRL	500		ug/L	116780	5	8/10/2009 4:36 PM
Benz(a)anthracene	BRL	500		ug/L	116780	5	8/10/2009 4:36 PM
Benzaldehyde	BRL	500		ug/L	116780	5	8/10/2009 4:36 PM
Benzo(a)pyrene	BRL	500		ug/L	116780	5	8/10/2009 4:36 PM
Benzo(b)fluoranthene	BRL	500		ug/L	116780	5	8/10/2009 4:36 PM
Benzo(g,h,i)perylene	BRL	500		ug/L	116780	5	8/10/2009 4:36 PM
Benzo(k)fluoranthene	BRL	500		ug/L	116780	5	8/10/2009 4:36 PM
Bis(2-chloroethoxy)methane	BRL	500		ug/L	116780	5	8/10/2009 4:36 PM
Bis(2-chloroethyl)ether	BRL	500		ug/L	116780	5	8/10/2009 4:36 PM
Bis(2-chloroisopropyl)ether	BRL	500		ug/L	116780	5	8/10/2009 4:36 PM
Bis(2-ethylhexyl)phthalate	190	500	J	ug/L	116780	5	8/10/2009 4:36 PM
Butyl benzyl phthalate	BRL	500		ug/L	116780	5	8/10/2009 4:36 PM

Qualifiers:	*	Value exceeds Maximum Contaminant Level	E	Estimated (Value above quantitation range)
	BRL	Below Reporting Limit	S	Spike Recovery outside limits due to matrix
	H	Holding times for preparation or analysis exceeded	Narr	See Case Narrative
	N	Analyte not NELAC certified	NC	Not Confirmed
	B	Analyte detected in the associated Method Blank	<	Less than Result value
	>	Greater than Result value		



# Analytical Environmental Services, Inc.

Date: 11-Aug-09

CLIENT: Oneida Total Integrated Enterprises

Client Sample ID: ER-FULIND-080709

Project: Fulton Ind - ER

Collection Date: 8/7/2009 6:40:00 PM

Lab ID: 0908507-001

Matrix: AQUEOUS

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
<b>TCL-SEMIVOLATILE ORGANICS SW8270D</b>					(SW3510)		Analyst: YH
Caprolactam	BRL	500		ug/L	116780	5	8/10/2009 4:36 PM
Carbazole	BRL	500		ug/L	116780	5	8/10/2009 4:36 PM
Chrysene	BRL	500		ug/L	116780	5	8/10/2009 4:36 PM
Dibenz(a,h)anthracene	BRL	500		ug/L	116780	5	8/10/2009 4:36 PM
Dibenzofuran	BRL	500		ug/L	116780	5	8/10/2009 4:36 PM
Diethyl phthalate	BRL	500		ug/L	116780	5	8/10/2009 4:36 PM
Dimethyl phthalate	BRL	500		ug/L	116780	5	8/10/2009 4:36 PM
Di-n-butyl phthalate	BRL	500		ug/L	116780	5	8/10/2009 4:36 PM
Di-n-octyl phthalate	BRL	500		ug/L	116780	5	8/10/2009 4:36 PM
Fluoranthene	BRL	500		ug/L	116780	5	8/10/2009 4:36 PM
Fluorene	BRL	500		ug/L	116780	5	8/10/2009 4:36 PM
Hexachlorobenzene	BRL	500		ug/L	116780	5	8/10/2009 4:36 PM
Hexachlorobutadiene	BRL	500		ug/L	116780	5	8/10/2009 4:36 PM
Hexachlorocyclopentadiene	BRL	500		ug/L	116780	5	8/10/2009 4:36 PM
Hexachloroethane	BRL	500		ug/L	116780	5	8/10/2009 4:36 PM
Indeno(1,2,3-cd)pyrene	BRL	500		ug/L	116780	5	8/10/2009 4:36 PM
Isophorone	BRL	500		ug/L	116780	5	8/10/2009 4:36 PM
Naphthalene	BRL	500		ug/L	116780	5	8/10/2009 4:36 PM
Nitrobenzene	BRL	500		ug/L	116780	5	8/10/2009 4:36 PM
N-Nitrosodi-n-propylamine	BRL	500		ug/L	116780	5	8/10/2009 4:36 PM
N-Nitrosodiphenylamine	BRL	500		ug/L	116780	5	8/10/2009 4:36 PM
Pentachlorophenol	BRL	1200		ug/L	116780	5	8/10/2009 4:36 PM
Phenanthrene	BRL	500		ug/L	116780	5	8/10/2009 4:36 PM
Phenol	BRL	500		ug/L	116780	5	8/10/2009 4:36 PM
Pyrene	BRL	500		ug/L	116780	5	8/10/2009 4:36 PM
Surr: 2,4,6-Tribromophenol	146	53.1-143	S	%REC	116780	5	8/10/2009 4:36 PM
Surr: 2-Fluorobiphenyl	111	55.1-119		%REC	116780	5	8/10/2009 4:36 PM
Surr: 2-Fluorophenol	75.0	26.1-115		%REC	116780	5	8/10/2009 4:36 PM
Surr: 4-Terphenyl-d14	87.0	41-131		%REC	116780	5	8/10/2009 4:36 PM
Surr: Nitrobenzene-d5	174	47-123	S	%REC	116780	5	8/10/2009 4:36 PM
Surr: Phenol-d5	127	10.1-88.3	S	%REC	116780	5	8/10/2009 4:36 PM
<b>TCL VOLATILE ORGANICS SW8260B</b>					(SW5030B)		Analyst: YAH
1,1,1-Trichloroethane	BRL	5.0		ug/L	116811	1	8/10/2009 4:56 PM
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	116811	1	8/10/2009 4:56 PM
1,1,2-Trichloroethane	BRL	5.0		ug/L	116811	1	8/10/2009 4:56 PM
1,1-Dichloroethane	BRL	5.0		ug/L	116811	1	8/10/2009 4:56 PM
1,1-Dichloroethene	BRL	5.0		ug/L	116811	1	8/10/2009 4:56 PM
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	116811	1	8/10/2009 4:56 PM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	116811	1	8/10/2009 4:56 PM

Qualifiers:	*	Value exceeds Maximum Contaminant Level	E	Estimated (Value above quantitation range)
	BRL	Below Reporting Limit	S	Spike Recovery outside limits due to matrix
	H	Holding times for preparation or analysis exceeded	Narr	See Case Narrative
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# Analytical Environmental Services, Inc.

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Lab ID: 0908507-001

Matrix: AQUEOUS

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
<b>TCL VOLATILE ORGANICS SW8260B</b>					<b>(SW5030B)</b>		<b>Analyst: YAH</b>
1,2-Dibromoethane	BRL	5.0		ug/L	116811	1	8/10/2009 4:56 PM
1,2-Dichlorobenzene	BRL	5.0		ug/L	116811	1	8/10/2009 4:56 PM
1,2-Dichloroethane	BRL	5.0		ug/L	116811	1	8/10/2009 4:56 PM
1,2-Dichloropropane	BRL	5.0		ug/L	116811	1	8/10/2009 4:56 PM
1,3-Dichlorobenzene	BRL	5.0		ug/L	116811	1	8/10/2009 4:56 PM
1,4-Dichlorobenzene	BRL	5.0		ug/L	116811	1	8/10/2009 4:56 PM
2-Butanone	150	50		ug/L	116811	1	8/10/2009 4:56 PM
2-Hexanone	BRL	10		ug/L	116811	1	8/10/2009 4:56 PM
4-Methyl-2-pentanone	0.92	10	J	ug/L	116811	1	8/10/2009 4:56 PM
Acetone	150	50		ug/L	116811	1	8/10/2009 4:56 PM
Benzene	BRL	5.0		ug/L	116811	1	8/10/2009 4:56 PM
Bromodichloromethane	BRL	5.0		ug/L	116811	1	8/10/2009 4:56 PM
Bromoform	BRL	5.0		ug/L	116811	1	8/10/2009 4:56 PM
Bromomethane	BRL	5.0		ug/L	116811	1	8/10/2009 4:56 PM
Carbon disulfide	BRL	5.0		ug/L	116811	1	8/10/2009 4:56 PM
Carbon tetrachloride	BRL	5.0		ug/L	116811	1	8/10/2009 4:56 PM
Chlorobenzene	BRL	5.0		ug/L	116811	1	8/10/2009 4:56 PM
Chloroethane	BRL	10		ug/L	116811	1	8/10/2009 4:56 PM
Chloroform	BRL	5.0		ug/L	116811	1	8/10/2009 4:56 PM
Chloromethane	BRL	10		ug/L	116811	1	8/10/2009 4:56 PM
cis-1,2-Dichloroethene	BRL	5.0		ug/L	116811	1	8/10/2009 4:56 PM
cis-1,3-Dichloropropene	BRL	5.0		ug/L	116811	1	8/10/2009 4:56 PM
Cyclohexane	BRL	5.0		ug/L	116811	1	8/10/2009 4:56 PM
Dibromochloromethane	BRL	5.0		ug/L	116811	1	8/10/2009 4:56 PM
Dichlorodifluoromethane	BRL	10		ug/L	116811	1	8/10/2009 4:56 PM
Ethylbenzene	0.52	5.0	J	ug/L	116811	1	8/10/2009 4:56 PM
Freon-113	BRL	10		ug/L	116811	1	8/10/2009 4:56 PM
Isopropylbenzene	1.5	5.0	J	ug/L	116811	1	8/10/2009 4:56 PM
m,p-Xylene	1.6	10	J	ug/L	116811	1	8/10/2009 4:56 PM
Methyl acetate	BRL	5.0		ug/L	116811	1	8/10/2009 4:56 PM
Methyl tert-butyl ether	BRL	5.0		ug/L	116811	1	8/10/2009 4:56 PM
Methylcyclohexane	BRL	5.0		ug/L	116811	1	8/10/2009 4:56 PM
Methylene chloride	BRL	5.0		ug/L	116811	1	8/10/2009 4:56 PM
o-Xylene	1.0	5.0	J	ug/L	116811	1	8/10/2009 4:56 PM
Styrene	0.45	5.0	J	ug/L	116811	1	8/10/2009 4:56 PM
Tetrachloroethene	BRL	5.0		ug/L	116811	1	8/10/2009 4:56 PM
Toluene	25	5.0		ug/L	116811	1	8/10/2009 4:56 PM
trans-1,2-Dichloroethene	BRL	5.0		ug/L	116811	1	8/10/2009 4:56 PM
trans-1,3-Dichloropropene	BRL	5.0		ug/L	116811	1	8/10/2009 4:56 PM
Trichloroethene	BRL	5.0		ug/L	116811	1	8/10/2009 4:56 PM

Qualifiers: \* Value exceeds Maximum Contaminant Level  
 BRL Below Reporting Limit  
 H Holding times for preparation or analysis exceeded  
 N Analyte not NELAC certified  
 B Analyte detected in the associated Method Blank  
 > Greater than Result value

E Estimated (Value above quantitation range)  
 S Spike Recovery outside limits due to matrix  
 Narr See Case Narrative  
 NC Not Confirmed  
 < Less than Result value

**Analytical Environmental Services, Inc.**

Date: 11-Aug-09

**CLIENT:** Oneida Total Integrated Enterprises**Client Sample ID:** ER-FULIND-080709**Project:** Fulton Ind - ER**Collection Date:** 8/7/2009 6:40:00 PM**Lab ID:** 0908507-001**Matrix:** AQUEOUS

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
<b>TCL VOLATILE ORGANICS SW8260B</b>					(SW5030B)		Analyst: YAH
Trichlorofluoromethane	BRL	5.0		ug/L	116811	1	8/10/2009 4:56 PM
Vinyl chloride	BRL	2.0		ug/L	116811	1	8/10/2009 4:56 PM
Surr: 4-Bromofluorobenzene	63.8	61.3-128		%REC	116811	1	8/10/2009 4:56 PM
Surr: Dibromofluoromethane	103	67.8-130		%REC	116811	1	8/10/2009 4:56 PM
Surr: Toluene-d8	88.1	70.6-121		%REC	116811	1	8/10/2009 4:56 PM
<b>TOTAL OIL AND GREASE (HEM) E1664</b>					(E1664)		Analyst: JJW
Oil and Grease	683	5.0		mg/L	116774	1	8/10/2009 4:55 PM

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level	E	Estimated (Value above quantitation range)
	BRL	Below Reporting Limit	S	Spike Recovery outside limits due to matrix
	H	Holding times for preparation or analysis exceeded	Narr	See Case Narrative
	N	Analyte not NELAC certified	NC	Not Confirmed
	B	Analyte detected in the associated Method Blank	<	Less than Result value
	>	Greater than Result value		



**Analytical Environmental Services, Inc.**

Date: 14-Aug-09

**CLIENT:** Oneida Total Integrated Enterprises  
**Project:** Alliance Environmental Tanker Spill  
**Lab ID:** 0908844-001

**Client Sample ID:** FULIND-002  
**Collection Date:** 8/13/2009 12:30:00 PM  
**Matrix:** AQUEOUS

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
<b>FECAL COLIFORM (MF)</b> <b>SM9222D</b>							Analyst: <b>JW</b>
Fecal Coliform, (MF)	BRL	20		Colonies/100ml		10	8/13/2009 3:30 PM
<b>LABORATORY HYDROGEN ION (PH)</b> <b>SW9040C</b>							Analyst: <b>CG</b>
pH	4.57	0.01	H	pH Units		1	8/13/2009 6:50 PM

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level	E	Estimated (Value above quantitation range)
	BRL	Below Reporting Limit	S	Spike Recovery outside limits due to matrix
	H	Holding times for preparation or analysis exceeded	Narr	See Case Narrative
	N	Analyte not NELAC certified	NC	Not Confirmed
	B	Analyte detected in the associated Method Blank	<	Less than Result value
	>	Greater than Result value		

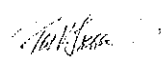
**ATTACHMENT D**  
**GAEPD REMEDIATION OBJECTIVES**

# **Georgia Department of Natural Resources**

Environmental Protection Division  
2 Martin Luther King Jr. Drive SE, Suite 1152 East Tower, Atlanta, Georgia 30334-9000  
Carol A. Couch PhD, Director  
(404) 656-4713  
FAX: (404) 651-5778

## **MEMORANDUM**

**To:** Carter Williamson, Federal On-Scene Coordinator  
US Environmental Protection Agency Region 4  
Emergency Response and Removal Branch

**From:** Ted V. Jackson, Emergency Response and Radiation Program Manager  
Georgia Environmental Protection Division 

**Date:** 13 August 2009

**Re:** Remediation Objectives for Quik-Trip Tank Truck Release Incident (CTS 58820 /USNRC 914161)

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The Georgia Environmental Protection Division would like to propose the following objectives to remediate the discharge of the materials discharged from Tank Truck DOT number 1678577:

1. Increase the pH of the retention pond from approximately 4.6 (based on preliminary lab analysis from samples collected Friday evening) to above 6.0 and below 8.5.
2. Increase the dissolved oxygen content of the pond to at least 4.0 mg/L (no measurements have been made thus far).
3. Ensure the fecal coliform colony counts are below 200 CFU / 100 mL (awaiting EPD lab results).

The methods available to achieve these objectives may include:

1. Removal of floating, brown-colored scum (which may be partly coagulated or decomposed fats, oils and greases). It may be possible to coagulate entrained fats from the water column, however, in-situ methods for adding flocculants and removing sludges would be difficult to achieve.
2. In-situ pH adjustment using crushed lime or potash with mixing by portable floating aerators.
3. In-situ dissolved oxygen adjustment using portable floating aerators.



**ATTACHMENT E**  
**LOGBOOK NOTES**

AUGUST 7-2009

TUE 1239

EZ RESPONSE

CALL FROM KAREN BURKEI

RESPONDER EDA C. WILLIAMS

- Responders K1 - ONE L. VANDERBEEK

E2 - DOUG FRATLEY

CALL RECEIVED 15:23-

DESCRIPTION -- TAKEN TRUCK

Releasing Liquid -- UNKNOWN -  
ILLEGAL Dumped -

F.B. on site ~ 14:00

- CONTAMINATE of CONCERN: UNKNOWN

Location 705 FULTON - 100 BLVD

REQUEST Airtight monitoring

- WATER monitoring

16:01 - KAREN BURKEI - CALLS

Correction in ADDRESS

Correct ADDRESS 5705 FULTON RD

AIR GA -

16:35 - LEAVE SITE

17:24 on SITE

GAS - on site

pH - on site

FULTON County PD -

Scale: 1 square =



8-7-09

17:46 - AT DPM

w/ FIRST RESPONDER: RICK

ED -

ponding water - pH 4-5

w/ pH colorless paper -

- ED w/ paper strip -- 6

- 4-GAS meter - NO

READING - DETECTED -

- O2 - is similar to 20%

MODERATE

REPORTS FROM F.D. -

UP STREET IS pH 6

1840 - TEAM AT -

RELEASE GATE AT RESTORATION

POND

- collected samples -

- 3 @ 1 L AMBISON

3 @ 40 mL

- 4-GAS - NO READINGS -

O2 = 20.9 -

- GAS - TAKEN w/ THERMISTOR

pH - colorless paper = ~ 4 pH

F.D. = CapH w/ paper

Scale: 1 square =



8-7-79

19.12 - RECAP OF DISCUSSION w/

CAROL WILLIAMS &amp; RUSSELL

HENDERSON -

- Among the analysis we will test & REQUEST AES TO TEST FOR

OIL &amp; GREASE - IF IT

TEST POSITIVE FIRST RESPONDER

VIN WAS - WILL - ONLY SKIN

the RETENTION BAND -

IF NEGATIVE W/ FIRST RESPONDER

→ WILL PUMP FULL RETENTION BAND -

- CALLED AES - RECEIVED

ANSWERING ~~machine~~

SERVICE - FACILITY IS

CALLED - GIVES 10 AM SATURDAY

- C. WILLIAMS WANTS TO KNOW

HOW FAST FOR OIL &amp; GREASE

~~GPA~~ ANALYSIS -

R. HENDERSON APTS 24 HAS

He believes - (LAP NOT RESPONDING  
to CONFIN)

19.18 - ATLANTA NEWS CREW SHOWS UP

1 - TV 5 WANTS MORE EVIDENCE

Scale: 1 square =

Scale: 1 square =

8-7-79

8:20 - RELEASED FROM SITE

EPA - CTD on site

MICHAEL SHANKS

- FIRST ENVIRONMENTAL

Scale: 1 square =

8/10/9

- Received Analytical results  
 - Set was returned to  
 OSC Directly from Lab -

8/11/9

per Vocal Request of  
 OSC - I sent a copy of  
 Analytical to

17/31 ✓ Ted Jackson of STATE

TED = Jackson @ Dir. STATE-GA. US

17:35 - Michael Sparks CND

Sparks, Michael @ EPA-GOV

17:38 - Ted Hall of Forest Environmental - Can

THall @ Forest Environmental - Can

- Vocally spoke w/ Ted Hall

and gave him an update of

analyticals

7/42/2009 18:06

- Email Request to collect

Sample from the Pen

Recal California

Sampler Gorty to know on 8/13/9

Scale: 1 square =

Scale: 1 square =



12:00 - Arrived @ Fulton Industries  
E.R. Site.

12:10 - Put on level C gear to ~~test~~  
for take samples

12:20 - Started Simplifying

12:30 - Complete sample & task

Pictures of supply location  
12:45 - labeled supply jars & put in cooler

12:30 - Clean up working area

13:00 - Packed Samples In Trif

13.05-Left Folton Industrial E.R.

S. for and made way to AES

13:35 - Arrive @ A.E.S to drop off

Scaple's.

13.45- Left A.E.S.

~~Confidential~~ ~~SECRET~~

~~13:45 / 8-13-09~~

4  
0  
2  
03  
75  
05  
52

7

12  
10  
02  
112

Scale: 1 square =