

**HEALTH AND SAFETY PLAN FORM**

TN&amp;Associates Health and Safety Program

*This document is for the exclusive use of TN&Associates its subcontractors, and EPA.*

TN &amp; ASSOCIATES

Site Name: VanTran Electronics

**PROJECT NAME:** VanTran Electronics  
**PROJECT#:** 2005148, task 1180  
**LOCATION:** 1600 Midville Rd (GA Hwy 117)  
Louisville, GA

**DATE:** 31-Oct-08

**CLIENT:** USEPA  
**EPA CONTACT/PHONE #:** Leo Francendese  
**LOCAL/SITE CONTACT PHONE #:** 404-562-8772

**INCIDENT DESCRIPTION:**

PCB transformers have contaminated soil and possible groundwater. Transformers may be present underground.

**SOURCE OF PRELIMINARY****INFORMATION:** Site Inspection from GADEP**ANTICIPATED TASKS:**

(e.g. collect surface soil samples):

A Geoprobe™ with Direct Push Technology (DPT) will be used to advance 50 soil borings on site to a maximum depth of 16 feet bgs. START will conduct field screening analysis of PCBs using immunoassay kits. Samples will be submitted to a CLP laboratory for the analysis of inorganic and organic contaminants including PCBs.

**TYPE:** *Check as many as applicable*

Active	<input type="checkbox"/>	Landfill	<input type="checkbox"/>	Spill	<input type="checkbox"/>
Inactive	<input checked="" type="checkbox"/>	Uncontrolled	<input type="checkbox"/>	Fire	<input type="checkbox"/>
Secure	<input type="checkbox"/>	Industrial	<input checked="" type="checkbox"/>	Military	<input type="checkbox"/>
Unsecure	<input type="checkbox"/>	Recovery	<input type="checkbox"/>	Unknown	<input type="checkbox"/>
Enclosed space	<input type="checkbox"/>	Well Field	<input type="checkbox"/>	Other (specify)	<input type="checkbox"/>

**DESCRIPTION AND FEATURES:***Include principal operations and unusual features (containers, buildings, dikes, power lines, hillslopes, rivers, etc.)*

The 11.36-acre site is located at 1600 Georgia Highway 17, at the southwest corner of the intersection of Georgia Highway 17 and Airport Road, less than 2,000 feet north of the single runway comprising the Louisville Municipal Airport in Louisville, Jefferson County, Georgia. The geographical coordinates for the site are 32° 59' 28.3" North Latitude and 82° 23' 10.0" West Longitude, as measured from the center of the site. The dominant feature of the site is the original rectangular single story building measuring 161 feet by 226 feet (36,386 square feet). An approximate 4,000 square feet addition was added sometime in the late 1970s to the early 1980s. The single story addition is contiguous to the west wall of the original building and was built 30 feet high to facilitate operation of an overhead crane.

**SURROUNDING POPULATION:**  Residential  Industrial  Commercial  Rural  Urban  Other:

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**HISTORY:***Summarize conditions that relate to hazard. Include citizen complaints, spills, previous investigations or agency actions, known injuries, etc.*

From 1970 until sometime in 1973, Van Tran manufactured polychlorinated biphenyl (PCB) containing transformers on-site. Various on-site processes related to the manufacturing of transformers included painting, baking and annealing in ovens, welding, the winding of core/coils and assembly. Transformer manufacturing processes were ceased in 1973, however, Van Tran refurbished used transformers on-site until sometime prior to 1987. On July 8, 1981, EPA collected soil samples on-site for laboratory analysis. Analytical results indicated PCBs at a highest concentration of 660 parts per million (ppm). At that time, Van Tran acknowledged that in the past, PCB contaminated transformer oil may have been applied to the ground surface to suppress dust. Additionally, the EPA documented that water and sediment contaminated with PCBs were routinely drained to the ground surface from a bulk tank located behind the building.

**WASTE TYPES:**  Liquid       Solid       Sludge       Gas       Unknown       Other:
**WASTE CHARACTERISTICS:** *Check as many as applicable.* Corrosive       Flammable       Radioactive Toxic       Volatile       Reactive Inert Gas       Unknown       Other, Specify: \_\_\_\_\_**WORK ZONES:***Describe the Exclusion, Contamination Reduction, and Support Zones in terms on-site personnel will recognize*

The work zone (exclusion zone) will be the area of concern where sampling will take place. The exact extent of the exclusion zone will be determined on site.

**HAZARDS OF CONCERN:**
 Heat Stress      *attach guidelines*       Noise  
 Cold Stress      *attach guidelines*       Inorganic Chemicals  
 Explosive/Flammable       Organic Chemicals  
 Oxygen Deficient       Motorized Traffic  
 Radiological       Heavy Machinery  
 Biological       Slips, Trips, & Falls  
 Other, Specify: \_\_\_\_\_
**FACILITY'S PAST AND PRESENT DISPOSAL METHODS AND PRACTICES:**

Unknown

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<b>HAZARDOUS MATERIAL SUMMARY:</b> <i>Circle waste type and estimate amounts by category.</i>					
<b>CHEMICALS:</b> <i>Amount/Units:</i>	<b>SOLIDS:</b> <i>Amount/Units:</i>	<b>SLUDGES:</b> <i>Amount/Units:</i>	<b>SOLVENTS:</b> <i>Amount/Units:</i>	<b>OILS:</b> <i>Amount/Units:</i>	<b>OTHER:</b> <i>Amount/Units:</i>
Halogens	Metals		Halogenated Chloro	Polynuclear Aromatics	
Dioxins			Hydrocarbons	Lubricants	
				PCBs	
				Mineral Oils	
<b>OVERALL HAZARD EVALUATION:</b> ( )High (X)Medium ( )Low ( )Unknown					
<b>JUSTIFICATION:</b>					
<b>FIRE/EXPLOSION POTENTIAL:</b> ( )High ( )Medium (X)Low ( )Unknown					
<b>INFORMATION COMPLETE:</b> ( )Complete ( )Incomplete (X)Best Available at Current Time					

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**Site Name: VanTran Electronics**

KNOWN CONTAMINANTS	NIOSH REL (ST if Available) ppm or mg/m <sup>3</sup> (specify)	OSHA PEL (ST if Available) ppm or mg/m <sup>3</sup> (specify)	IDLH ppm or mg/m <sup>3</sup> (specify)	SYMPTOMS & EFFECTS OF ACUTE EXPOSURE	PHOTO IONIZATION POTENTIAL
Benzene	Ca TWA 0.1 ppm ST 1 ppm	TWA 1 ppm ST 5 ppm	500 ppm	Irritation eyes, skin, nose, respiratory system; dizziness; headache, nausea, staggered gait; anorexia, lassitude (weakness, exhaustion); dermatitis; bone marrow depression; [potential occupational carcinogen]	9.24 eV
PCB	Ca TWA 0.001 mg/m <sup>3</sup>	TWA 0.5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>	Irritation eyes, chloracne; liver damage; reproductive effects; [potential occupational carcinogen]	N/A

**NA = Not Available**      **NE = None Established**      **U = Unknown**      Attach, to this plan, an MSDS for each chemical you will use at the site.  
**S = Soil**      **SW = Surface Water**      **T = Tailings**      **W = Waste**      **SD = Sediment**  
**A = Air**      **GW = Ground Water**      **SL = Sludge**      **D = Drums**      **OFF = Off-Site**

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**Site Name: VanTran Electronics**

**Task Description / PPE / Personnel & Responsibilities** (attach additional sheets as necessary)

<b>Task 1 Description</b>	Soil and Water Sampling	<b>Type</b> Non-Intrusive	<b>Hazard Schedule</b> Med
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<b>Primary Level</b> D	Respiratory: _____	<b>Contingency Level</b> C Modified	Respiratory: Full-face respirator
	Eyewear: Safety Glasses		Eyewear: Safety Glasses
	Boots: Steel-Toe		Boots: Steel-Toe
	Gloves: Outer: nitrile or latex		Gloves: Outer: nitrile or latex
<b>PPE:</b> Clothing: Tyvek Coverall		<b>PPE:</b> Clothing: Tyvek Coverall	

<b>Task 2 Description</b>	PCB and PID/FID Screening	<b>Type</b> Non-Intrusive	<b>Hazard Schedule</b> Low
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<b>Primary Level</b> D	Respiratory: _____	<b>Contingency Level</b> C	Respiratory: Full-face respirator
	Eyewear: Safety Glasses		Eyewear: Safety Glasses
	Boots: Steel-Toe		Boots: Steel-Toe
	Gloves: Outer: nitrile or latex		Gloves: Outer: nitrile or latex
<b>PPE:</b> Clothing: Tyvek Coverall		<b>PPE:</b> Clothing: Tyvek Coverall	

<b>Task 3 Description</b>		<b>Type</b>	<b>Hazard Schedule</b>
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<b>Primary Level</b>	Respiratory: _____	<b>Contingency Level</b>	Respiratory: _____
	Eyewear: _____		Eyewear: _____
	Boots: _____		Boots: _____
	Gloves: _____		Gloves: _____
<b>PPE:</b> Clothing: _____		<b>PPE:</b> Clothing: _____	

<b>Task 4 Description</b>		<b>Type</b>	<b>Hazard Schedule</b>
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<b>Primary Level</b>	Respiratory: _____	<b>Contingency Level</b>	Respiratory: _____
	Eyewear: _____		Eyewear: _____
	Boots: _____		Boots: _____
	Gloves: _____		Gloves: _____
<b>PPE:</b> Clothing: _____		<b>PPE:</b> Clothing: _____	

**PERSONNEL AND RESPONSIBILITIES**

Name	Company/Agency	Training	Responsibilities
Russell Henderson	TN&A	40hr HAZWOPER, 8-hr refresher	Field Team Leader
Leland Meadows	TN&A	40hr HAZWOPER, 8-hr refresher	Sampler
Limari Krebs	TN&A	40hr HAZWOPER	Forms II Lite
Nairimer Berrios-Cartagena	TN&A	40hr HAZWOPER	Sampler

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Site Name: VanTran Electronics

**Monitoring Equipment:**

Specify by task. Indicate type as necessary. Attach additional sheets if needed.

Tasks:	Instrument:	Level:	Action Guidelines:	Comments:
2	Flame Ionization Detector TVA 1000 FID/PID analyzer	75 ppm FID 75 ppm FID		
2	Immunoassay kits	0.5 - 10 ppm		

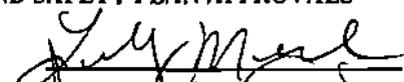
**HEALTH AND SAFETY PLAN FORM***This document is for the exclusive use of TN&Associates its subcontractors, and EPA.***TN & ASSOCIATES****TN&Associates Health and Safety Program****Site Name: VanTran Electronics****EMERGENCY CONTACTS**

Site Telephone  
 EPA Release Report #  
 TN&Assoc 24-Hr Emergency #                   678-255-5524  
 Facility Management  
 Other (specify)  
 CHEMTREC Emergency #:                       1-800-424-9300

**CONTINGENCY PLANS:**       *Summarize below*  
 Contact START Program Manager Greg Kowalski (678-255-5524) or corporate Health and Safety officer, William Fink, at 414-234-7845 or Ron Bugg at (312 296-9186)

**HEALTH AND SAFETY PLAN APPROVALS**

Prepared by



Date

10/31/08

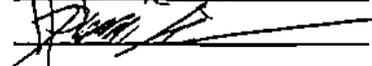
DHSC Signature



Date

10/31/08

HSM Signature



Date

10/31/08**EMERGENCY CONTACTS****NAME****PHONE**

Health and Safety Manager	Bill Fink	414-234-7845
Project Manager	Greg Kowalski	678-255-5524
Site Safety Coordinator	Jorge Sanchez	678-255-5538
Client Contact (EPA RPM)	Leo Francendese	404-562-8772
Other (EPA HRS coordinator)		
State Agency	GADEP	
State Spill Number		
Fire Department		911
Police Department		911
State Police		911
Health Department		
Poison Control Center		800-848-6946
Occupational Physician	Dr. Jerry Berke.	800-350-4511
	Health Resources	

**MEDICAL EMERGENCY****PHONE**

Hospital Name:	Jefferson Hospital	(478) 625-7000
Hospital Address	1067 Peachtree St, Louisville, GA 30434	
Name of Contact at Hospital:	N/A	
Name of 24-Hour Ambulance:		911
Route to Hospital:	(see attached sheet)	

Distance to Hospital

2.6 miles

## HEALTH AND SAFETY PLAN SIGNATURE FORM

**TN & Associates Health and Safety Program**

All site personnel must sign this form indicating receipt of the H&SP. Keep this original on site. It becomes part of the permanent project files. Send a copy to the Health and Safety Manager (HSM).

**SITE NAME/NUMBER:** VanTran Electronics, 2005148, 1180

**DIVISION/LOCATION:** TN & Associates, Marietta, GA.

**DATE:** 31-Oct-08

I understand, and agree to comply with, the provisions of the above referenced H&SP for work activities on this project. I agree to report any injuries, illnesses or exposure incidents to the site Health and Safety Coordinator (SHSC). I agree to inform the SHSC about any drugs (legal and illegal) that I take within three days of site work.

PRINTED NAME	SIGNATURE	DATE
Russell Henderson		31-Oct-08
Leland Meadows		31-Oct-08
Nairimer Berrios-Cartagena		31-Oct-08
Limari Krebs		31-Oct-08

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**TN & Associates Health and Safety Program**

**Site Name:**

**DECONTAMINATION PROCEDURES**

**ATTACH SITE MAP INDICATING EXCLUSION, DECONTAMINATION, AND SUPPORT ZONES**

**Maximum Measures for Level A Decontamination**

Station 1	Segregated Equipment Drop	1. Deposit equipment used on site (tools, sampling devices and containers, monitoring instruments, radios, clipboards, etc.) on plastic drop cloths or in different containers with plastic liners. Segregation at the drop reduces the probability of cross-contamination. During hot weather operations, cool down stations may be set up in this area.
Station 2	Boot Cover / Glove Wash	2. Scrub outer boot covers and gloves with decon solution or detergent and water.
Station 3	Boot Cover / Glove Rinse	3. Rinse off decon solution from station 2 using copious amounts of water.
Station 4	Tape Removal	4. Remove tape around boots and gloves and deposit in container with plastic liner.
Station 5	Boot Cover Removal	5. Remove boot covers and deposit in container with plastic liner.
Station 6	Outer Glove Removal	6. Remove outer gloves and deposit in container with plastic liner.
Station 7	Suit and Boot Wash	7. Wash encapsulating suit and boots using scrub brush and decon solution and detergent/water. Repeat as many times as necessary.
Station 8	Suit and Boot	8. Rinse off decon solution using copious amounts of water. Repeat as many times as necessary.
Station 9	Tank Change	9. If an air tank change is desired, this is the last step of the decontamination procedure. Worker's air tank is exchanged, new outer gloves and boot covers donned and joints taped. Worker returns to duty.
Station 10	Safety Boot Removal	10. Remove safety boots and deposit in container with plastic liner.
Station 11	Fully Encapsulating Suit and Hard Hat Removal	11. Fully encapsulating suit is removed with assistance of a helper and laid out on a drop cloth or hung up. Hard hat is removed. Hot weather rest station may be set up within this area for personnel returning to the site.
Station 12	SCBA Backpack Removal	12. While still wearing facepiece, remove backpack and place on table. Disconnect hose from regulator valve and proceed to next station.
Station 13	Inner Glove Wash	13. Wash with decon solution that will not harm the skin. Repeat as many times as necessary.
Station 14	Inner Glove Rinse	14. Rinse inner gloves with water. Repeat as many times as necessary.
Station 15	Face Piece Removal	15. Remove face piece. Deposit in container with plastic liner. Avoid touching face with fingers.
Station 16	Inner Glove Removal	16. Remove inner gloves and deposit in container with plastic liner.

Station 17	Inner Clothing Removal	17. Remove inner clothing. Place in container with plastic liner. Do not wear inner clothing off-site since there is a possibility that small amounts of contaminants might have been transferred in removing the fully-encapsulated suit.
Station 18	Field Wash	18. Shower if highly toxic, skin corrosive or skin absorbable materials are known or suspected to be present. Wash hands and face if shower is not available.
Station 19	Redress	19. Put on clean clothes.
<b>Minimum Measures for Level A Decontamination</b>		
Station 1	Equipment Drop	1. Deposit equipment used on site (tools, sampling devices and containers, monitoring instruments, radios, clipboards, etc.) on plastic drop cloths or in different containers with plastic liners. Segregation at the drop reduces the probability of cross-contamination. During hot weather operations, cool down stations may be set up in this area.
Station 2	OG, Boots, and Gloves Wash and Rinse	2. Scrub outer boots, outer gloves and fully-encapsulating suit with decon solution or detergent water. Rinse off using copious amounts of water.
Station 3	OB and Glove Removal	3. Removal outer boots and gloves. Deposit in container with plastic liner.
Station 4	Tank Change	4. If worker leaves exclusion zone to change air tank, this is the last step of the decontamination procedure. Worker's air tank is exchanged, new outer gloves and boot covers donned and joints taped. Worker returns to duty.
Station 5	Boot, Gloves, and OG Removal	5. Boots, chemical-resistant splash suit, inner gloves removed and deposited in container with plastic liner.
Station 6	SCBA Removal	6. SCBA backpack and face piece is removed. Avoid touching face with fingers. SCBA is deposited on plastic sheets.
Station 7	Field Wash	7. Hands and face are thoroughly washed. Shower as soon as possible.

OG = Outer Garment      OB = Outer Boot

**Maximum Measures for Level B Decontamination**

Station 1	Segregated Equipment Drop	1. Deposit equipment used on site (tools, sampling devices and containers, monitoring instruments, radios, clipboards, etc.) on plastic drop cloths or in different containers with plastic liners. Segregation at the drop reduces the probability of cross-contamination. During hot weather operations, cool down stations may be set up in this area.	Station 18	Field Wash	18. Shower if highly toxic, skin corrosive or skin absorbable materials are known or suspected to be present. Wash hands and face if shower is not available.
Station 2	Boot Cover / Glove Wash	2. Scrub outer boot covers and gloves with decon solution or detergent and water.	Station 19	Redress	19. Put on clean clothes.
Station 3	Boot Cover / Glove Rinse	3. Rinse off decon solution from station 2 using copious amounts of water.	<b>Minimum Measures for Level B Decontamination</b>		
Station 4	Tape Removal	4. Remove tape around boots and gloves and deposit in container with plastic liner.			
Station 5	Boot Cover Removal	5. Remove boot covers and deposit in container with plastic liner.	Station 1	Equipment Drop	1. Deposit equipment used on site (tools, sampling devices and containers, monitoring instruments, radios, clipboards, etc.) on plastic drop cloths or in different containers with plastic liners. Segregation at the drop reduces the probability of cross-contamination. During hot weather operations, cool down stations may be set up in this area.
Station 6	Outer Glove Removal	6. Remove outer gloves and deposit in container with plastic liner.	Station 2	OG, Boots, Gloves Wash and Rinse	2. Scrub outer boots, outer gloves and chemical resistant splash suit with decon solution or detergent water. Rinse off using copious amounts of water.
Station 7	Suit and Safety Boot Wash	7. Wash chemical resistant splash suit, SCBA, gloves and safety boots. Scrub with long handle scrub brush and decon solution. Wrap SCBA regulator (if belt mounted type) with plastic to keep out of water. Wash back pack assembly with sponges or cloth.	Station 3	Outer Boot and Glove Removal	3. Removal outer boots and gloves. Deposit in container with plastic liner.
Station 8	Suit, SCBA, Boot and Glove Rinse	8. Rinse off decon solution using copious amounts of water.	Station 4	Tank Change	4. If worker leaves exclusion zone to change air tank, this is the last step of the decontamination procedure. Worker's air tank is exchanged, new outer gloves and boot covers donned and joints taped. Worker returns to duty.
Station 9	Tank Change	9. If worker leaves exclusion zone to change air tank, this is the last step of the decontamination procedure. Worker's air tank is exchanged, new outer gloves and boot covers donned and joints taped. Worker returns to duty.	Station 5	Boot, Gloves and OG Removal	5. Boots, chemical-resistant splash suit, inner gloves removed and deposited in container with plastic liner.
Station 10	Safety Boot Removal	10. Remove safety boots and deposit in container with plastic liner.	Station 6	SCBA Removal	6. SCBA backpack and face piece is removed. Avoid touching face with fingers. SCBA is deposited on plastic sheets.
Station 11	SCBA Backpack Removal	11. While still wearing face piece, remove backpack and place on table. Disconnect hose from regulator valve.	Station 7	Field Wash	7. Hands and face are thoroughly washed. Shower as soon as possible.
Station 12	Splash Suit Removal	12. With assistance of helper, remove splash suit. Deposit in container with plastic liner.			
Station 13	Inner Glove Wash	13. Wash inner gloves with decon solution.			
Station 14	Inner Glove Rinse	14. Rinse inner gloves with water.			
Station 15	Face Piece Removal	15. Remove face piece. Deposit in container with plastic liner. Avoid touching face with fingers.			
Station 16	Inner Glove Removal	16. Remove inner gloves and deposit in container with plastic liner.			
Station 17	Inner Clothing Removal	17. Remove inner clothing. Place in container with plastic liner. Do not wear inner clothing off-site since there is a possibility that small amounts of contaminants might have been transferred in removing the fully-encapsulated suit.			

OG = Outer Garment

Maximum Measures for Level C Decontamination			Minimum Measures for Level C Decontamination		
Station 1	Segregated Equipment Drop	1. Deposit equipment used on site (tools, sampling devices and containers, monitoring instruments, radios, clipboards, etc.) on plastic drop cloths or in different containers with plastic liners. Segregation at the drop reduces the probability of cross-contamination. During hot weather operations, cool down stations may be set up in this area.	Station 1	Equipment Drop	1. Deposit equipment used on site (tools, sampling devices and containers, monitoring instruments, radios, clipboards, etc.) on plastic drop cloths or in different containers with plastic liners. Segregation at the drop reduces the probability of cross-contamination. During hot weather operations, cool down stations may be set up in this area.
Station 2	Boot Cover / Glove Wash	2. Scrub outer boot covers and gloves with decon solution or detergent and water.	Station 2	OG, Boots, and Gloves Wash and Rinse	2. Scrub outer boots, outer gloves and chemical resistant splash suit with decon solution or detergent water. Rinse off using copious amounts of water.
Station 3	Boot Cover / Glove Rinse	3. Rinse off decon solution from station 2 using copious amounts of water.	Station 3	OB and Glove Removal	3. Removal outer boots and gloves. Deposit in container with plastic liner.
Station 4	Tape Removal	4. Remove tape around boots and gloves and deposit in container with plastic liner.	Station 4	Canister or Mask Change	4. If worker leaves exclusion zone to change canister (or mask), this is the last step of the decontamination procedure. Worker's canister (or mask) is exchanged, new outer gloves and boot covers donned and joints taped. Worker returns to duty.
Station 5	Boot Cover Removal	5. Remove boot covers and deposit in container with plastic liner.	Station 5	Boot, Gloves and OG	5. Boots, chemical-resistant splash suit, inner gloves removed and deposited in container with plastic liner.
Station 6	Outer Glove Removal	6. Remove outer gloves and deposit in container with plastic liner.	Station 6	Face Piece Removal	6. Face piece is removed. Avoid touching face with fingers. Face piece is deposited on plastic sheet.
Station 7	Suit and Boot Wash	7. Wash splash suit, gloves and safety boots. Scrub with long handle scrub brush and decon solution.	Station 7	Field Wash	7. Hands and face are thoroughly washed. Shower as soon as possible.
Station 8	Suit, Boot and Glove Rinse	8. Rinse off decon solution using copious amounts of water.			
Station 9	Canister or Mask Change	9. If worker leaves exclusion zone to change canister (or mask), this is the last step of the decontamination procedure. Worker's canister (or mask) is exchanged, new outer gloves and boot covers donned and joints taped. Worker returns to duty.			
Station 10	Safety Boot Removal	10. Remove safety boots and deposit in container with plastic liner.			
Station 11	Splash Suit Removal	11. With assistance of helper, remove splash suit. Deposit in container with plastic liner.			
Station 12	Inner Glove Wash	12. Wash inner gloves with decon solution.			
Station 13	Inner Glove Rinse	13. Rinse inner gloves with water.			
Station 14	Face Piece Removal	14. Remove face piece. Deposit in container with plastic liner. Avoid touching face with fingers.			
Station 15	Inner Glove Removal	15. Remove inner gloves and deposit in container with plastic liner.			
Station 16	Inner Clothing Removal	16. Remove inner clothing soaked with perspiration and place in container with plastic liner. Do not wear inner clothing off-site since there is a possibility that small amounts of contaminants might have been transferred in removing the fully-encapsulated suit.			
Station 17	Field Wash	17. Shower if highly toxic, skin corrosive or skin absorbable materials are known or suspected to be present. Wash hands and face if shower is not available.			
Station 18	Redress	18. Put on clean clothes.			

OG = Outer Garment      OB = Outer Boot

Minimum Measures for Level D Decontamination			Containment and Disposal Method
Station 1	Equipment Drop	1. Deposit equipment used on site (tools, sampling devices and containers, monitoring instruments, radios, clipboards, etc.) on plastic drop cloths or in different containers with plastic liners. Segregation at the drop reduces the probability of cross-contamination. During hot weather operations, cool down stations may be set up in this area.	The decontamination rinseate will be collected, packaged in drums and temporarily stored at the site. After analytical results are available, the waste will be profiled and transported under appropriate documentation for disposal in accordance with applicable law and regulations. The PPE will be collected and bagged for disposal as a solid waste. If spills should occur, prompt cleanup with dedicated equipment from onsite spill response inventory will be used.
Station 2	OG, Boots, Gloves Wash and Rinse	2. Scrub outer boots, outer gloves and chemical resistant splash suit with decon solution or detergent water. Rinse off using copious amounts of water.	
Station 3	OB and Glove Removal	3. Removal outer boots and gloves. Deposit in container with plastic liner.	
Station 4	Boot, Gloves, OG Removal	5. Boots, chemical-resistant splash suit, inner gloves removed and deposited in container with plastic liner.	
Station 5	Field Wash	7. Hands and face are thoroughly washed. Shower as soon as possible.	

OG = Outer Garment      OB = Outer Boot

Sampling Equipment Decontamination
All equipment will be cleaned prior to entering the Site. Equipment will be tripled rinse consisting of non-phosphate detergent and tap water solution, rinse with potable water, and rinse with de-ionized water. If soap and water alone cannot remove contamination, additional procedures may be used such as steam cleaning.

Heavy Equipment Decontamination
All equipment will be cleaned prior to entering the Site. All vehicles and heavy equipment used in the EZ will be decontaminated in the CRZ and inspected prior to leaving the site. A Certification of Decontamination form will be included in the daily safety log. All vehicles and equipment will be decontaminated according to the procedures described below: Vehicles and heavy equipment contaminated with Contaminates of Concern (COCs) from the site excavation activities will be placed on a decontamination pad and sprayed down with a pressure washer. This pad will be constructed as a banded liner and equipped with a pump and suitable container for waste water generated from the equipment decontamination process. Solids and fines that cannot be pumped will be shoveled from the liner following spraying down of vehicles and equipment and transported to appropriate soil stockpiles on-site. Personnel engaged in decontamination will be in a rain suit, hardhat equipped with a face shield, with shin guards to protect from the blast and overspray of the pressure washer used for heavy equipment decontamination.

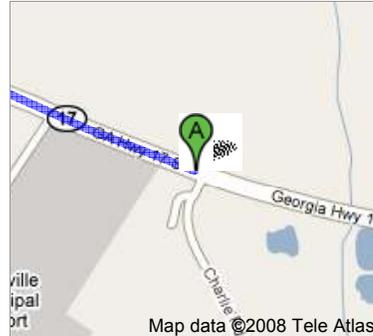
Medical Emergency Decontamination Procedures
The following procedures are to be used for providing emergency medical treatment to personnel sustaining injury while working in the exclusion area of the site. The procedures are to be used by site/safety personnel, emergency medical staff/ambulance crewmembers, and hospital emergency room staff ONLY when the nature of the medical emergency supersedes SOPs for chemical decontamination when exiting the exclusion area. Although specific contaminants, by nature, must be dealt with on a case-by-case basis, the following procedures generally will be followed.
<p style="text-align: center;"><b>Injury Involving Potential for Contact with Contaminated Clothing and Skin</b></p> <p>An initial assessment of the injured person will be performed first, to determine if the employee has suffered a spinal/head injury. Potential spinal/head injuries may require some PPE to be left on the injured employee. However, emergency decontamination procedures must be used to remove as much potential contamination as possible. If the initial assessment does not provide evidence of a spinal/head injury, all protective clothing (hard hat, outer boots, and gloves) will be removed by personnel at the site before the injured person is transferred to an ambulance. This can be performed anywhere on the site although when at all possible, it should be performed in the CRZ. Contaminated protective clothing must be cut off to prevent cross contamination. Emergency clothing removal and decontamination of potentially contaminated skin expedites decontamination of the injured person in the CRZ and prevents contamination of emergency vehicles, emergency staff, and emergency room facilities. Pre-surgery preparation for the injured person would consist of normal soap and water rinsing and is conducted by EMS personnel.</p>



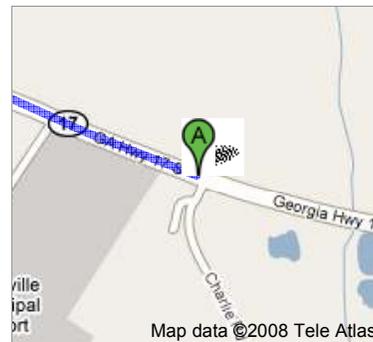
Directions to 1067 Peachtree St, Louisville, GA 30434  
2.6 mi – about 7 mins



1600 GA Highway 17 S  
Louisville, GA 30434



**17** 1. Head west on GA-17/US-1 toward Access Rd To Airport  
About 2 mins



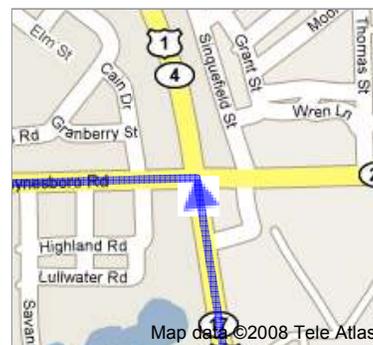
go 0.9 mi  
total 0.9 mi

**17** 2. Turn right at GA-17/GA-4/US-1  
About 1 min



go 0.5 mi  
total 1.4 mi

**24** 3. Turn left at GA-24/Waynesboro Rd  
Continue to follow GA-24  
About 2 mins



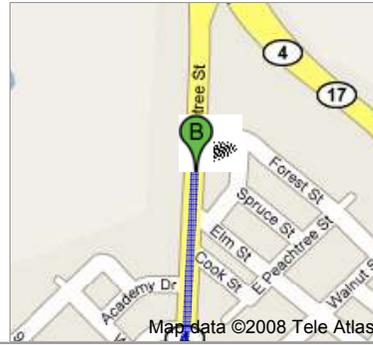
go 0.7 mi  
total 2.1 mi

**1** 4. Turn right at 1/GA-4/Peachtree St/US-221  
About 2 mins



go 0.4 mi  
total 2.6 mi

 **Jefferson Hospital**  
**1067 Peachtree St, Louisville, GA 30434**



These directions are for planning purposes only. You may find that construction projects, traffic, weather, or other events may cause conditions to differ from the map results, and you should plan your route accordingly. You must obey all signs or notices regarding your route.

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