

Approval: *N. J. G. G. G.*  
Date: 11-11-88

Vogtle Electric Generating Plant  
NUCLEAR OPERATIONS



Georgia Power

Procedure No. 70030-C  
Revision No. 2  
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# FOR INFORMATION ONLY

## TRAFFIC AND PARKING CONTROL

### 1.0 PURPOSE

This procedure describes the requirements established to control operation and parking of vehicles inside the Vogtle Electric Generating Plant (VEGP) controlled area by employees, visitors and contractors. Entry and operation of vehicles inside the protected area are addressed by Procedure 00653-C, "Access Control".

### 2.0 DEFINITIONS

#### 2.1 PROTECTED AREA (PA)

The area at VEGP encompassed by physical barriers and to which access is controlled.

#### 2.2 PHYSICAL BARRIER

Any of a number of physical obstructions described by 10CFR73.2 constructed to deter unauthorized access, delay intrusion, and aid in access control.

#### 2.3 VEGP CONTROLLED AREA

The area exterior and contiguous to the PA and marked in a manner to provide reasonable assurance that persons entering the area are aware that the property is GPC owned.

### 3.0 RESPONSIBILITIES

#### 3.1 NUCLEAR SECURITY MANAGER

The Nuclear Security Manager is responsible for the following:

##### 3.1.1 Establishment and maintenance of an employee vehicle registration system.

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- 3.1.2 Establishment of employee, visitor, and contractor parking areas within the VEGP-controlled area.
- 3.1.3 Security force enforcement of vehicle parking and operation rules and requirements.
- 3.1.4 Ensure that a copy of vehicle violation citations issued by the VEGP security force is transmitted to the supervisor of the individual involved.

3.2 SUPERVISORS

Supervisors will take actions deemed appropriate regarding supervised employees and contractors involved in traffic and parking violations. Reports of action taken will be returned to the Supervisor, Nuclear Security (Support).

3.3 EMPLOYEES AND CONTRACTORS

All employees and contractors are responsible for the following:

- 3.3.1 Registration of vehicles as directed by the Nuclear Security manager.
- 3.3.2 Park vehicles only in designated parking areas in the VEGP-controlled area.
- 3.3.3 Operate vehicles in a safe manner, observing posted speed limits and traffic control patterns and security force directions.

4.0 EMPLOYEE VEHICLE CONTROL


- 4.1 VEGP employees will contact the Security Badge Office to register vehicles and obtain an identification sticker or decal as required by the established vehicle registration system.
- 4.2 Identifying decals or stickers will be issued and applied by members of the security force.
- 4.3 VEGP employees should notify the Security Badge Office of previously registered vehicles that will no longer be operated in VEGP-controlled areas.
- 4.4 Identifying decals or stickers should be removed from vehicles upon determination that operation in VEGP-controlled areas is no longer required.
- 4.5 Employees will park only in designated employee parking areas.

- 3.1.2 Establishment of employee, visitor, and contractor parking areas within the VEGP-controlled area.
- 3.1.3 Security force enforcement of vehicle parking and operation rules and requirements.
- 3.1.4 Ensure that a copy of vehicle violation citations issued by the VEGP security force is transmitted to the supervisor of the individual involved.
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- 4.4 Identifying decals or stickers should be removed from vehicles upon determination that operation in VEGP-controlled areas is no longer required.
- 4.5 Employees will park only in designated employee parking areas.

- 4.6 Employee vehicles will not be operated inside the protected areas.
- 4.7 -- Access of all vehicles to protected areas will be in accordance with Procedure 00653-C, "Access Control."
- 5.0 CONTRACTOR VEHICLE CONTROL
- 5.1 Contractors employed at VEGP must adhere to established traffic control patterns and speed limits.
- 5.2 Contractor vehicle registration will be as directed by the Nuclear Security Manager and should be based on circumstances such as length of contract, nature of work to be performed and the total number of contractor vehicles involved.
- 5.3 Contractor personnel must park only in areas designated by the Nuclear Security Manager or members of the security force.
- 5.4 Access of contractor vehicles to protected areas will be in accordance with Procedure 00653-C, "Protected Area Entry/Exit Control".
- 6.0 VISITOR VEHICLE CONTROL
- 6.1 VEGP visitors must operate vehicles in accordance with established traffic control patterns and speed limits.
- 6.2 Visitors will park vehicles only in areas designated for visitor parking or as directed by members of the security force.
- 6.3 Visitor vehicles will not be allowed inside the protected areas.
- 7.0 REFERENCES
- 7.1 Title 10CFR73, "Physical Protection of Plants and Materials"
- 7.2 FSAR Section 1.9.17
- 7.3 U.S. NRC Regulatory Guide 1.17, "Protection of Nuclear Power Plants Against Industrial Sabotage"
- 7.4 ANSI/ANS-3.3-1982, "Security for Nuclear Power Plants"
- 7.5 Procedure 00653-C, "Protected Area Entry/Exit Control"

END OF PROCEDURE TEXT

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## FOR INFORMATION ONLY

### HAZARDOUS SUBSTANCE AND WASTE CONTROL

#### 1.0 PURPOSE

This procedure establishes guidelines and control for hazardous substances used within the VEGP site boundaries.

1.1 These guidelines are established to ensure compliance with applicable codes and regulations.

1.2 These controls are used to ensure a safe work environment when hazardous substances are used.

#### NOTE

The use of certain chemicals, glues, sealants, paints, lubricants, cleaners, etc. on NSSS components are restricted. The use of these materials on NSSS components shall not be allowed unless specifically stated in the Vogtle Chemical Control list. For use on NSSS components.

#### 2.0 DEFINITIONS

##### 2.1 CHEMICAL

2.1.1 A chemical is any chemical substance which may be harmful to either persons or the plant if used or disposed in an improper manner.

2.1.2 The following chemicals are exempted from requiring permits but must appear on the chemical control list.

- a. Laboratory chemicals.
- b. Bulk process chemicals and resins.
- c. Maintenance personnel use of small aerosol chemical volumes used only in the Maintenance Shops.

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- d. New lubricating oils and greases.
- e. Household type cleaning products used for lavatory or office purposes only.
- f. Bulk chemicals used by Decon and Building and Grounds personnel. If these chemicals are used on NSSS components, they must be approved by Chemistry Superintendent or Chemistry Senior Regulatory Specialist.

## 2.2 COMBUSTIBLE AND FLAMMABLE GASES

Gases determined by specified testing principles to be easily ignitable. Such gases include but are not limited to: Hydrogen, MAPP Gas, Acetylene, and Methane.

## 2.3 COMBUSTIBLE LIQUID

Any liquid having a flash point above 100 degrees Fahrenheit (°F). This includes NFPA Class II and IIIA as indicated in the preceding table. See Table 3 for examples.

## 2.4 CONTRACTOR

The parties, singularly or collectively, or legal counsel, contracting to furnish materials and/or perform the work covered by the specifications of a given purchasing document.

## 2.5 CONTROLLED CHEMICAL LIST

The VEGP controlled chemical list represents an inventory of all chemicals which may be used on site, either by GPC or other personnel. Inclusion of a chemical in this list indicates that a Material Safety Data Sheet (MSDS) for that chemical is available for inspection.

## 2.6 CONTROLLED ISSUE AREA (CIA)

See Procedure 00262-C, "Control Of Chemicals/Fluids" for this definition.

## 2.7 DRUM

A metal or plastic, cylindrical container which holds 55 gallons or 80 gallons.

## 2.8 DISCARDED MATERIAL

A material is considered "discarded" if it is abandoned by "disposal" or burned or incinerated or physically, chemically, or biologically treated instead of or prior to "disposal" and is not used, reused, reclaimed, or recycled.

## 2.9 DISPOSAL

Discharge, deposit, injection, dump, spill, leak, or placement of a substance into or on any land or water so that such material or any constituent thereof may enter the environment or be emitted into the air or discharged into ground or surface waters.

## 2.10 FLASH POINT

The minimum temperature at which a liquid gives off vapor in sufficient concentration to form an ignitable mixture with air, near the surface of the liquid, as specified by appropriate test procedures and apparatus.

## 2.11 FLAMMABLE LIQUID

Any liquid having a flash point below 100 degrees Fahrenheit. This includes NFPA Class IA, IB, and IC liquids as indicated in the following table:

NFPA 30 CLASSIFICATION	FLASH POINT	BOILING POINT
Class IA	Below 73°F	Below 100°F
Class IB	Below 73°F	At or above 100°F
Class IC	73°-100°F	N/A
Class II	100°-140°F	N/A
Class IIIA	140°-200°F	N/A

See Table 3 for examples.

## NOTE

For shipment purposes, RCRA regulations require any liquid having a flash point of less than 140F be classified as flammable.

2.12 HAZARDOUS SUBSTANCE

A substance by reason of being toxic, corrosive, oxidizing, reactive, explosive, flammable, combustible, or otherwise harmful, may cause personal injury or environmental damage. The above terms can be found in the Code of Federal Regulations, Titles 29, 40 and 49.

2.13 HAZARDOUS WASTE

A waste including liquids, semi-solids, solids or combined gaseous materials or combinations of wastes which, because of quantity, concentration, physical, chemical, or infectious characteristics, may pose a substantial or potential hazard to human, animal, or environmental health when improperly treated, stored, transported, disposed of, or otherwise managed. See Section 11.0 for Determination of Hazardous Waste.

2.14 OTHER WASTE MATERIAL

Any solid, liquid, semi-solid, or contained gaseous material which is "discarded" or being accumulated, stored, or treated prior to being discarded, or has served its original intended use. Sometimes it is discarded or is a discarded manufacturing or mining by-product.

2.15 NFPA

National Fire Protection Association

2.16 OXIDIZING GASES

A gas that induces another substance to form a coat of oxide on its outer surface due to the exchange of electrons for oxygen atoms and the valence of the substance is increased. Such gases include but are not limited to: Chlorine, Oxygen, and Fluorine.

2.17 RCRA

Resource Conservation and Recovery Act



2.18 SAFETY-RELATED AREA

Any area in a Category 1 building which provides a passage to a piece of safety related equipment or contains a piece of safety related equipment.

2.19 SPILL OR LEAK

Unintentional release of any hazardous substance into the environment. (This includes moats, concrete berms, retaining walls, etc.)

2.20 STORAGE

The holding of hazardous waste for a period less than 90 days before the end of which the hazardous waste is transported offsite to be treated, disposed of, discarded, or stored with a licensed hazardous waste contractor.

2.21 TREATMENT

Any method, technique, or process, including neutralization, designed to change the physical, chemical, or biological character or composition of any hazardous waste so as to neutralize such waste, or so as to recover energy or material resources from the waste, or so as to render such waste non-hazardous, or less hazardous; safer to transport, store, or dispose of; or amenable for recovery, amenable for storage, or reduced in volume.

3.0 RESPONSIBILITIES

3.1 CHEMISTRY SUPERINTENDENT

The Chemistry Superintendent will ensure that:

NOTE

The Chemistry Superintendent may request and receive assistance from the Industrial Hygienist for any of the following.

- 3.1.1 Chemicals used at VEGP, considered as hazardous substances, are identified (as required) on the "Controlled Chemical List", Procedure 00262-C, "Control Of Chemicals/Fluids".

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3.1.2 Requirements of Federal Regulations applicable to hazardous substances and wastes are met.

3.1.3 Each controlled chemical or hazardous substance has a Materials Safety Data Sheet (MSDS) on file prior to issue for use.

3.1.4 Requests from individuals for chemical orders are reviewed to classify items to be purchased to determine if a Material Safety Data Sheet (MSDS) is required.

3.1.5 Hazardous substances/wastes are transferred for disposal per this procedure.

3.1.6 Hazardous wastes are classified for storage and mixing compatibility.

3.1.7 Control of an adequate area for the bulk storage of hazardous wastes is provided and maintained.

### 3.2 MATERIALS SUPERINTENDENT

The Materials Superintendent will ensure that:

3.2.1 Each hazardous chemical has the proper hazardous substance label affixed to it per purchase order.

3.2.2 All chemicals should remain in the original packing and containers while in the warehouse unless delivered in bulk transport trucks or unless label warnings are transferred to smaller quantities.

3.2.3 All chemicals stored in the hazardous substance/waste storage area are handled in accordance with this procedure and Procedure 00262-C, "Control Of Chemicals/Fluids".

3.2.4 Chemicals are not issued until it is on the chemical control list.

3.2.5 Hazardous substances are issued per this procedure and Procedure 00262-C, "Control Of Chemicals/Fluids".

3.2.6 Inside hazardous substance storage area temperature controls are regulated to maintain temperatures specified for storage by the manufacturer or other approved temperatures as determined by the Industrial Hygienist.

3.2.7 Hazardous substance containers are inspected upon receipt per Procedure 00850-C, "Materials Receiving And Inspection".

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3.2.8 Control of an adequate area for the bulk storage of hazardous substances is provided and maintained.

3.2.9 Hazardous substances storage areas are designated.

### 3.3 MANAGER PLANT TRAINING AND EMERGENCY PREPAREDNESS

The Manager Plant training and Emergency Preparedness will ensure that plant personnel who handle, control, or are responsible for hazardous substances or hazardous wastes receives annual training as required by 40CFR.

### 3.4 CONTROLLED ISSUE AREA PERSONNEL

CIA personnel will ensure:

3.4.1 All chemicals remain in the original packing and containers while under CIA personnel control unless delivered in bulk transport truck or unless label warnings are transferred to smaller quantities.

3.4.2 Used hazardous chemicals in the CIA are transferred to a Hazardous Waste Storage Area.

### 4.0 ORDERING OF HAZARDOUS SUBSTANCES

4.1 The individual requesting the chemical/fluid for use at VEGP will complete the applicable sections of the supply requisition per Procedure 00800-C, "Requisition Of Materials And Services".

4.2 The requester will ensure the requisition requests the manufacturer/supplier to state storage level temperature.

4.3 The individual will review the Controlled Chemical List and note, if known, under the "Commodity Number/Articles and Description" that the chemical/fluid is a "HAZARDOUS SUBSTANCE" and state "MSDS REQUIRED"; also state "PROPER HAZARDOUS SUBSTANCE LABEL MUST BE AFFIXED FOR EACH HAZARDOUS CHEMICAL".

4.4 The Supply Requisition will start to be processed per Procedure 00800-C, "Requisition Of Materials And Services".

4.5 If not classified as a hazardous substance or a "Controlled Chemical", the requesting individual will transmit a request for classification to the Chemistry Superintendent for classification, while holding the requisition.

4.6 The Chemistry Superintendent will request from the proposed vendor MSDS and request the required data and product label. This can be done by phone or a letter to the manufacturer.

4.7 When received, the MSDS and product label will be transmitted to the Chemistry Superintendent.

4.8 The Chemistry Superintendent will disposition the MSDS and product label and send the requesting individual a letter of recommendation concerning the classification of the chemical/fluid. If the vendor fails to provide the information, the vendor shall not supply the chemical or substance.

4.9 The requesting individual will forward the requisition if the letter of recommendation is available.

4.10 The supply requisition will continue to be processed per the applicable portions of Procedure 00800-C, "Requisition Of Materials And Services".

5.0 RECEIVING OF HAZARDOUS SUBSTANCES

5.1 When the chemical/fluid arrives on site, Materials Section personnel will receive the chemical/fluid per Procedure 00850-C, "Materials Receiving And Inspection".

5.2 Hazardous substances received from offsite by Materials Section personnel will be entered on the Nuclear Plant Management Information System (NPMIS) as a hazardous substance.

6.0 STORING OF NEW HAZARDOUS SUBSTANCES

NOTE

All excess, surplus, damaged, or contaminated hazardous substances will be brought to the attention of the Chemistry Lab Supervisor. The Laboratory personnel will facilitate the disposal of all such substances.

- 6.1 Upon acceptance, the chemical/fluid will be stored in the designated storage area. Hazardous Chemicals will not be stored in areas that contain or expose safety-related equipment.
- 6.2 The Materials Section will advise the Chemistry Superintendent of the receipt.
- 6.3 The Chemistry Superintendent will assign an inspector to check that the shipment has been correctly stored as shown on an Environmental Inspection Report.
- 6.4 If any discrepancies exist, the Chemistry Superintendent will notify the Materials Section to correct the situation.
- 6.5 Flammable and combustible materials will be stored in accordance with Section 10.0 of this procedure.

7.0 HAZARDOUS SUBSTANCE ISSUE TO CIA

- 7.1 Control Issue Personnel will withdraw chemicals/fluids from the warehouse as follows:
- 7.1.1 Complete a "Materials/Equipment Request" per Procedure 00853-C, "Material Identification, Control, and Issue".
- 7.1.2 A copy of the MSDS may be obtained from the Chemistry Superintendent or Chemistry Senior Regulatory Specialist. If the Chemistry Superintendent or Chemistry Senior Regulatory Specialist is not available, such as backshifts or holidays, the Chemistry Duty Foreman will have access to the MSDS files. MSDS files are located on the second floor of the Service Building in the Chemistry Support Group section.

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7.2	Control Issue Personnel will log request for chemicals/fluids on the "Hazardous Substance Request Log" (Figure 1).	
8.0	<u>STORING OF HAZARDOUS WASTE MATERIAL</u>	
8.1	Except in emergencies, the onsite transfer of hazardous waste shall not be performed in adverse weather conditions, and must be performed during daylight hours only.	
8.2	No hazardous waste may be stored at the VEGP Temporary Storage Area for a period of time longer than ninety (90) days.	
8.3	Materials personnel will log all returned hazardous substance/waste on the "Hazardous Substance/Waste Storage Log" (Figure 3).	
8.4	Laboratory personnel shall label per Subsection 8.9 and temporarily store the hazardous liquid waste in DOT 17C Open Head 55-gallon drums.	
8.5	The liquid drums shall be filled only to within 2 inches of the top. The remaining 2 inches of air space are left for expansion of liquids.	
8.6	Laboratory personnel will temporarily store hazardous solid or semi-solid waste in a DOT 17C Open Head 55-gallon drum.	
8.7	Drums should be stored on wooden pallets.	
8.8	The contents of each hazardous waste container must be identified and an appropriate label attached, see Figure 2 and Table 1 for applicable labels and codes. The label shall contain the following information:	
8.8.1	Generator's name and address:  Georgia Power Co., Vogtle Electric Generating Plant, Box 1600 Waynesboro, GA 30830	
8.8.2	Generator's EPA I.D. Number: GAD094066321	
8.8.3	EPA Waste I.D. Number: See Table 1	
8.8.4	Proper DOT Shipping Name: See Table 1	
8.8.5	DOT I.D. Number: See Table 1	
8.8.6	Accumulation Start Date: The date filling of drum started.	

- 8.9 The following markings must be stenciled or printed on the top of each drum in 2 inch letters once they have started to be filled:
- 8.9.1 The Chemical Waste Management Alabama (CWMA) waste code: See Table 2.
- 8.9.2 The word "Liquid" or "Solid", whichever is applicable.
- 8.9.3 The words "This End Up" or "This Side up" for drums containing liquids
- 8.10 The markings made in Subsection 8.9 must be: Durable, in English, and printed on or affixed to the surface of the drum in the form of a label, tag, or sign. The markings must sharply contrast with the background. The markings must not be obscured by labels or attachments. The markings must be located away from any other markings.
- 8.11 The side of each drum must bear the following markings in 2 inch letters once it has started to be filled:
- 8.11.1 Arrows showing drum orientation. (for liquids - optional)
- 8.11.2 Generator's Name and Address: Same as Sub-subsection 8.8.1.
- 8.11.3 Date of Content Classification: Same as Sub-subsection 8.8.6

9.0 TRANSFERRING FOR DISPOSAL OF HAZARDOUS WASTE

- 9.1 The Hazardous Waste Manifest (Figure 4) shall be completed by the Chemistry Senior Regulatory Specialist or Chemistry Supervisor and shall contain the following:
- 9.1.1 Manifest Document Number.
- 9.1.2 Generator Name: Vogtle Electric Generating Plant.
- 9.1.3 Generator Address: Same as Sub-subsection 8.9.1.
- 9.1.4 Generator Telephone Number: 404-724-1562, or 554-9961 X4135
- 9.1.5 Generator EPA Identification Number: See subsection 8.8.2.

- 9.1.6 The Name, Address, Phone Number, and Identification Number of the transporter(s).
- 9.1.7 The Name, Address, Phone Number, and EPA Identification Number of the receiving facility.
- 9.1.8 A description of the waste that will include:
- a. Total number of containers.
  - b. Type of containers.
  - c. Proper shipping name of waste as shown on Table 1 or 2.
  - d. EPA Hazardous Waste ID Number.
  - e. DOT Identification Number preceded by "UN" or "NA" as appropriate. See Table 2.

## NOTE

Hazard Class is not required when it is stated in the shipping name such as:  
Flammable Liquid, Poison B,  
or Corrosive Liquid.

- f. CWMA Waste Code.
- g. "Total Quantity" of each hazardous waste being shipped.
- h. If the proper name for a hazardous waste is not included in Tables 1 or 2 and is a waste, then the word "WASTE" must precede the name of the material.

## 10.0 CONTROL OF FLAMMABLE AND COMBUSTIBLE LIQUIDS AND GASES

### 10.1 OUTDOOR STORAGE OF LIQUIDS

- 10.1.1 Drum storage of flammable or combustible liquids must be located at least 75 feet from the nearest plant outdoor structure containing components necessary to assure safe shutdown. The maximum number of drums per lot storable by class is as indicated in the following table.

CLASS	IA	IB	IC	II	IIIA
Max. No. of Drums	20	40	80	160	400



- 10.1.2 Multiple drum storage lots for flammable or combustible liquids shall be separated by a minimum of 50 feet.
- 10.1.3 Where two or more classes of flammable or combustible liquids are stored in a single drum storage lot, the maximum number of drums in the drum storage lot shall be the maximum number for the highest individual class (IA-highest) represented in the lot.
- 10.1.4 Storage of Class IA liquids shall be sheltered from the direct rays of the sun.
- 10.1.5 Drums shall not be stacked.
- 10.1.6 Drum storage lots shall be provided with a surrounding curb at least 6 inches high or the lot shall be graded away from adjacent buildings and other exposures such that spills are diverted safely. Curbed areas shall be provided with drains to relieve rain water. Drains shall be terminated at a safe location which is accessible to operation under fire conditions.
- 10.1.7 A distance of 25 feet on any side of the drum storage lot shall be maintained completely free of grass, weeds, and foreign combustibles.
- 10.1.8 Signs shall be posted and enforced such that there shall be no smoking or open flames within 25 feet of the Flammable and Combustible Liquid drum storage lot.
- 10.1.9 Where flammable or combustible liquids are packaged together with ordinary combustibles, as in kits, the kit shall be stored on the basis of the most flammable or combustible commodity in the kit.

## 10.2 OUTDOOR HANDLING OF LIQUIDS

- 10.2.1 Transfer of liquids between containers shall be done at a designated area at least 25 feet away from the drum storage lot and 75 feet from the nearest plant building. The number of drums allowed in this dispensing area shall be kept to a maximum of two.

## CAUTION

Spring type clamps are not acceptable due to the possibility of the clamp slipping off of the container.

10.2.2 When transferring liquids in Class IA, IB, or IC, the two containers shall be grounded and electrically connected to each other by cables which are clamped to each container by a bolt or screw clamp to reduce the possibility of static spark generation.

10.2.3 Transferring liquids by means of pressurizing the container with air is prohibited.

## 10.3 INDOOR STORAGE OF LIQUIDS

10.3.1 Flammable and/or combustible liquids shall NOT be stored within safety related areas of the plant.

10.3.2 Drum storage of Class IA, IB, or IC liquids is allowed ONLY in non-safety related plant buildings specifically designated "Flammable Liquid Storage Room".

10.3.3 Drum storage of Class II and IIIA liquids is allowed ONLY in the room referenced in Sub-subsection 10.3.2 or the Warehouse oil storage room.

10.3.4 Only original metal containers or specifically approved safety cans for use in handling flammable and combustible liquids may be used for storage purposes. This includes the following liquid storage containers:

- a. DOT approved,
- b. Underwriters Laboratories, Inc. (UL) approved,
- c. Factory Mutual (FM) approved.
- d. Approved laboratory glass bottles for use in the laboratories only.

10.3.5 The following types of containers shall NOT be used for storage of flammable or combustible liquids in plant buildings:

- a. Glass,
- b. Plastic,
- c. Other non-approved (non-safety).

EXCEPT: Liquids whose purity would be affected by a metal container OR liquids which cause excessive corrosion of metal containers may be stored in glass containers of not more than one quart capacity. Where required, glass containers must be stored in an approved metal cabinet. Laboratory chemicals may be stored in one gallon glass containers.

- 10.3.6 If a total capacity of 25 gallons or more of flammable or combustible liquids which are not stored per Sub-subsection 10.3.2 need to be stored, they shall be stored in a metal cabinet specifically approved by UL or FM. Each metal cabinet shall not contain more than 60 gallons of flammable or combustible liquids. Of the 60 gallons, not more than 30 gallons shall be Class IA, IB, and/or IC.
- 10.3.7 Not more than two metal cabinets specified in Sub-subsection 10.3.6 shall be located in any single fire zone.
- 10.3.8 Each approved metal cabinet shall be labeled:  
"FLAMMABLE - KEEP FIRE AWAY".
- 10.3.9 Flammable and combustible liquid storage cabinets shall not be used for storage of ANY OTHER MATERIAL except flammable or combustible liquids.

#### 10.4 INDOOR HANDLING OF LIQUIDS

##### NOTE

AEROSOL cans of 16 oz. or less are exempted.

- 10.4.1 Flammable or combustible liquids shall be transferred from bulk supply containers into approved safety containers only by gravity through an approved self-closing UL and/or FM valve. (Other previously approved means may be used as specified by the Fire Protection Engineer [FPE]).
- 10.4.2 All flammable and combustible liquids must be transported in an approved safety can (with flame arrester). Under no circumstances shall the flame arrester be removed from a safety can.

EXCEPT: Liquids whose purity would be affected by a metal container OR liquids which cause excessive corrosion of metal containers may be stored in glass containers of not more than one quart capacity. Where required, glass containers must be stored in an approved metal cabinet. Laboratory chemicals may be stored in one gallon glass containers.

10.4.3 Each flammable or combustible liquid container shall be conspicuously labeled to indicate the contents of the container. The contents shall be indicated by YELLOW letters on a RED background.

10.4.4 Closed areas where normal plant ventilation does not ventilate shall be provided with temporary ventilation prior to using flammable or combustible liquids in the area. The temporary ventilation shall be provided to prevent accumulation of flammable or combustible vapors.

#### CAUTION

Spring type clamps are not acceptable due to the possibility of the clamp slipping off of the container.

10.4.5 When transferring liquids in Class IA, IB, or IC, the two containers shall be grounded and electrically connected to each other by cables which are clamped to each container by a bolt or screw clamp to reduce the possibility of static spark generation.

10.4.6 During transfer operations, except in closed containers (closed loops), means shall be provided to control leaks or spills.

10.4.7 A Transient Combustible Permit (Figure 1, Procedure 92015-C, "Control of Transient Combustibles") shall be obtained for the movement of flammable or combustible liquids from, or into, safety related areas.

10.4.8 CLASS 1 Liquids shall not be used where there are open flames or other sources of ignition within the possible path of vapor travel.

10.4.9 Flammable and combustible liquids shall not be left unattended in any area of the plant, unless locked up.

10.5 OUTDOOR AND INDOOR STORAGE OF GASES

- 10.5.1 Cylinders containing flammable and combustible gases shall not be permanently stored in areas that contain or expose safe shutdown equipment; normal storage shall be near the Maintenance Building and in the Gas Bottle Storage Room, 220' elevation, Level 1 of the Control Building. For temporary storage of cylinders of compressed flammable and combustible gases, either near its point of usage or otherwise, a Transient Combustible Permit (Figure 1, Procedure 92015-C, "Control Of Transient Combustibles") shall be obtained as necessary.
- 10.5.2 Cylinders containing oxidizing gases shall be separated from fuel gas cylinders or combustible materials (especially oil or grease) a minimum distance of 20 feet or by a barrier of noncombustible material at least 5 feet high having a fire resistance rating of at least 1/2 hour. EXCEPTION: This does not apply to welding units using MAPP or acetylene gas and oxygen or to laboratory equipment using multiple gases.
- 10.5.3 Cylinders containing compressed oxygen shall not be permanently stored in areas that contain or expose safe shutdown equipment; normal storage shall be near the Maintenance Building.
- 10.5.4 Cylinders shall be physically restrained from falling by use of safety chains or equivalent restraints.

WARNING

IF A COMPRESSED-GAS CYLINDER  
VALVE ACCIDENTLY BREAKS OFF,  
NOZZLE REACTION WILL CAUSE  
THE CYLINDER TO MOVE  
VIOLENTLY AND ERRATICALLY.

- 10.5.5 Cylinders shall be stored with the valve closed, the protective cap securely in place, in the upright position, and with adequate ventilation.
- 10.5.6 Caution signs shall be placed at any entrance to the storage area warning of the dangers associated with flammable, combustible, and oxidizing gases.
- 10.5.7 Class IA, IB, and II gases shall be shielded from the direct rays of the sun.

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10.6 USE OF GASES

- 10.6.1 A Burn Permit (Figure 1, Procedure 92020-C, "Control Of Ignition Sources") shall be obtained before using cylinders of compressed flammable or combustible gases or oxygen in burning or welding activities in an area containing flammable or combustible liquids or gases.
- 10.6.2 Cylinders of flammable or combustible compressed gases shall not be placed where they present a potential fire or explosion exposure to safety related cables or equipment, regardless of fire suppression provided in the area.
- 10.6.3 Non-ventilated, closed areas where flammable or combustible gases must be used shall be provided with temporary ventilation to prevent accumulation of explosive vapor mixtures.
- 10.6.4 Acetylene cylinders shall not be used when cylinder pressure falls below 35 psig.
- 10.6.5 Acetylene supply pressures in headers and hoses shall be maintained less than 15 psig.

11.0 HAZARDOUS WASTE DETERMINATION

Hazardous materials or chemical products that no longer have a commercial value and must be discarded or disposed of are subject to the EPA Hazardous Waste Regulations. To determine if a waste material meets the definition of a hazardous waste, the generator (any facility which disposes of a hazardous waste) must first determine if it is listed by name in Table 1. If the hazardous waste is not listed by name, then the generator must determine (by chemical analysis) if it falls into one of the following classifications:

- 11.1 IGNITABLE WASTE - (EPA NUMBER D001)
- 11.1.1 Is a liquid that has a flash point less than 60°C (140°F).
- 11.1.2 Is not a liquid but may cause fires by friction, absorption of moisture, chemical change, or spontaneous chemical changes and when ignited burns so vigorously and persistently as to create a hazard.
- 11.1.3 Is an ignitable compressed gas.

11.1.4 Is an oxidizer that yields oxygen readily to stimulate the combustion of organic matter.

11.2 CORROSIVE WASTE - (EPA NUMBER D002)

11.2.1 Has a pH less than or equal to 2 or greater than or equal to 12.5.

11.2.2 Corrodes steel at a rate greater than .250 inches per year at a test temperature of 55°C (131°F).

11.3 REACTIVE WASTES - (EPA NUMBER D003)

11.3.1 Is normally unstable and readily undergoes a violent chemical change without detonating.

11.3.2 Reacts violently with water.

11.3.3 Generates toxic gases, vapors, or fumes when mixed with water in quantities sufficient to present a danger to human health or the environment.

11.3.4 Is capable of detonation or explosive reaction if it is subjected to a strong initiating source or heated under confinement.

11.3.5 It is a cyanide or sulfide bearing waste which, when exposed to pH conditions between 2 and 12.5 can generate toxic gases, vapors, or fumes in a quantity sufficient to present a danger to human health or the environment.

12.0 REFERENCES

12.1 CODE OF FEDERAL REGULATIONS

12.1.1 Title 40CFR, Part 260

12.1.2 Title 40CFR, Part 261

12.1.3 Title 49CFR, Part 172

12.1.4 Title 29CFR, Part 1926

12.1.5 Title 29CFR, Part 1910, OSHA Safety and Health Standards

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- 12.2 Comprehensive Environmental Response, Compensation, and Liability Act of 1980, Section 101 and 103, Public Law 95-510, December 11, 1980, 94 Stat. 2767.
- 12.3 Sections 3004 through 3008 of the Solid Waste Disposal Act (as amended by the Resource Conservation and Recovery Act of 1976).
- 12.4 NFPA Standards Part 30, "Flammable and Combustible Liquids Code".
- 12.5 VEGP Hazard Communication Plan.
- 12.6 PROCEDURES
  - 12.6.1 00262-C, "Control Of Chemicals/Fluids"
  - 12.6.2 00800-C, "Requisition Of Materials And Services"
  - 12.6.3 00850-C, "Materials Receiving And Inspection"
  - 12.6.4 36205-C, "Hazardous Waste Disposal"
  - 12.6.5 92015-C, "Control Of Transient Combustibles"
  - 12.6.6 92020-C, "Control Of Ignition Sources"

END OF PROCEDURE TEXT



HAZARDOUS WASTE IDENTIFICATION TABLE 1

DESCRIPTION OR NAME	EPA HAZ. WASTE NO.	PROPER DOT SHIPPING NAME	HAZ. MAT'L. DOT SHP. NO.	DOT SHIPPING CLASSIFICATION	DOT LABEL REQUIRED	PLACARD* REQUIRED
4-Aminopyridine	P008	Waste 4-Aminopyridine	UN2859	Poison B	Poison	Poison
Ammonium Metavanadate	P008	Waste Ammonium Metavanadate	UN2859	Poison B	Poison	Poison
Potassium Cyanide	P098	Waste Potassium Cyanide	UN1680	Poison B	Poison	Poison
Sodium Azide	P105	Waste Sodium Azide	UN1687	Poison B	Poison	Poison
Crotonaldehyde	U053	Waste Crotonaldehyde	UN1143	Flammable liquid	Flammable	Flammable
Dichlorodifluoromethane	U075	Waste Dichlorodifluoromethane	NA1956	Nonflammable gas	Nonflammable gas	Nonflammable Gas
O-Toluidine hydrochloride	U222	Waste O-Toluidine hydrochloride	UN1708	Poison B	Poison	Poison
Acetone	U002	Waste Acetone	UN1090	Flammable liquid	Flammable liquid	Flammable
Formaldehyde	U122	Waste Formaldehyde	UN2209	Combustible liquid	None	Combustible
Toluene	U220	Waste Toluene	UN1294	Flammable liquid	Flammable liquid	Flammable
Formic Acid	U123	Waste Formic Acid	UN1779	Corrosive Material	Corrosive	Corrosive

## HAZARDOUS WASTE IDENTIFICATION TABLE 1 (CONT'D.)

DESCRIPTION OR NAME	EPA HAZ. WASTE NO.	PROPER DOT SHIPPING NAME	HAZ. MAT'L. DOT SHP. NO.	DOT SHIPPING CLASSIFICATION	DOT LABEL REQUIRED	PLACARD* REQUIRED
Tetrachloroethene	U210	Waste Tetrachloroethene	UN1897	ORM-A	None	None
Methanol	U154	Waste Methanol liquid	U1230 liquid	Flammable	Flammable	Flammable
Cresylic Acid	U054	Waste Cresylic Acid	U2022	Poison B	Poison	Poison
Ethyl Acetate	U112	Waste Ethyl Acetate	UN1173	Flammable liquid	Flammable liquid	Flammable
Asbestos	U013	Waste Asbestos	None	ORM-C	None	None
Acrylic Acid	U008	Waste Acrylic Acid	UN2218	Corrosive Material	Corrosive	Corrosive
Ethyl Ether	U117	Waste Ethyl Ether	UN1155	Flammable liquid	Flammable liquid	Flammable
Methyl Ethyl Ketone	U159	Waste Methyl Ethyl Ketone	UN1193	Flammable liquid	Flammable liquid	Flammable
Phenol	U188	Waste Phenol	UN1671	Poison B	Poison	Poison
Mercury	U151	Waste Mercury	UN2025	Poison B	Poison	Poison
Hydrazine	U133	Waste Hydrazine	UN2029	Flammable liquid	Flammable liquid & Poison	Flammable

HAZARDOUS WASTE IDENTIFICATION TABLE 1 (CONT'D.)

DESCRIPTION OR NAME	EPA HAZ. WASTE NO.	PROPER DOT SHIPPING NAME	HAZ. MAT'L. DOT SHP. NO.	DOT SHIPPING CLASSIFICATION	DOT LABEL REQUIRED	PLACARD* REQUIRED
7, 12-Dimethylaminooazbezene	U093	7, 12-Dimethylaminoazbezene n.o.i.b.n.				
Methyl Chloro-carbonate	U156	Waste Methyl Chlorocarbonate	UN1238	Flammable liquid	Flammable liquid & Poison	Flammable
Methyl Chloroform	U156	Waste Methyl Chloroform	UN2831	ORM-A	None	None
Hydrofluoric Acid	U134	Waste Hydrofluoric Acid	UN1790	Corrosive Material	Corrosive	Corrosive
Selenium Sulphide	U205	Waste Selenium Sulphide	NA2765	ORM-A	None	None
Silvex	U205	Waste Silvex	NA2765	ORM-A	None	None
1, 2 Dichlorobenzene	U070	Waste 1, 2 Dichlorobenzene	UN1591	ORM-A	None	None
Creosote	U051	Waste Creosote	NA1991	Combustible liquid	None	Combustible
1, 1, 1-Trichloroethane	U226	Waste 1, 1, 1-Trichloroethane	UN2831	ORM-A	None	None

## HAZARDOUS WASTE IDENTIFICATION TABLE 1 (CONT'D.)

DESCRIPTION OR NAME	EPA HAZ. WASTE NO.	PROPER DOT SHIPPING NAME	HAZ. MAT'L. DOT SHP. NO.	DOT SHIPPING CLASSIFICATION	DOT LABEL REQUIRED	PLACARD* REQUIRED
Degreasing:						
Tetrachloroethylene & Sludge	F001	Waste Solvent N.O.S.	UN1702	ORM-A	None	None
Trichloroethylene & Sludge	F001	Waste Solvent N.O.S.	UN1710	ORM-A	None	None
Methylene Chloride & Sludge	F001	Waste Solvent N.O.S.	UN1593	ORM-A	None	None
Spent Halogenated Solvents						
1, 1, 1-Trichloroethane & Sludge	F002	Waste Solvent N.O.S.	UN2831	ORM-A	None	None
Chlorobenzene & Sludge	F002	Waste Solvent N.O.S.	UN1134	Flammable liquid	Flammable liquid	Flammable
O-Dichlorobenzene & Sludge	F002	Waste Solvent N.O.S.	UN1591	ORM-A	None	None
Trichlorofluoromethane & Sludge	F002	Waste Solvent N.O.S.	UN1983	Non-Flammable Gas	Non-Flammable Gas	Chlorine

HAZARDOUS WASTE IDENTIFICATION TABLE 1 (CONT'D.)

DESCRIPTION OR NAME	EPA HAZ. WASTE NO.	PROPER DOT SHIPPING NAME	HAZ. MAT'L. DOT SHP. NO.	DOT SHIPPING CLASSIFICATION	DOT LABEL REQUIRED	PLACARD* REQUIRED
Spent Non-Halogenated Solvents Recovered:						
Xylene & Still Bottoms	F003	Waste Solvent N.O.S.	UN1307	Flammable liquid	Flammable liquid	Flammable
Acetone & Still Bottoms	F003	Waste Solvent N.O.S.	UN1090	Flammable liquid	Flammable liquid	Flammable
Ethyl Acetate & Still Bottoms	F003	Waste Solvent N.O.S.	UN1173	Flammable liquid	Flammable liquid	Flammable
Ethyl Benzene & Still Bottoms	F003	Waste Solvent N.O.S.	UN1175	Flammable liquid	Flammable liquid	Flammable
Ethyl Ether & Still Bottoms	F003	Waste Solvent N.O.S.	UN1155	Flammable liquid	Flammable liquid	Flammable
N-Butyl Alcohol & Still Bottoms	F003	Waste Solvent N.O.S.	NA1120	Flammable liquid	Flammable liquid	Flammable
Spent Non-Halogenated Solvents:						
Cresols	F004	Waste Solvent N.O.S.	NA2076	Corrosive Material	Corrosive	Corrosive
Cresylic Acid	F004	Waste Solvent N.O.S.	UN2022	Poison B	Poison	Poison
Nitrobenzene	F004	Waste Solvent N.O.S.	UN1662	Poison B	Poison	Poison

## HAZARDOUS WASTE IDENTIFICATION TABLE 1 (CONT'D.)

DESCRIPTION OR NAME	EPA HAZ. WASTE NO.	PROPER DOT SHIPPING NAME	HAZ. MAT'L. DOT SHP. NO.	DOT SHIPPING CLASSIFICATION	DOT LABEL REQUIRED	PLACARD* REQUIRED
Spent Non-Halogenated Solvents:						
Methanol	F005	Waste Solvent N.O.S.	UN1230	Flammable liquid	Flammable liquid	Flammable
Toluene	F005	Waste Solvent N.O.S.	UN1294	Flammable liquid	Flammable liquid	Flammable
Methyl Ethyl Ketone	F005	Waste Solvent N.O.S.	UN1193	Flammable liquid	Flammable liquid	Flammable
Methyl Isobutyl Ketone	F005	Waste solvent N.O.S.	UN1245	Flammable liquid	Flammable liquid	Flammable
Carbon Disulfide:	F005	Waste Solvent N.O.S.	UN1131	Flammable liquid	Flammable liquid	Flammable
Isobutanol	F005	Waste Solvent N.O.S.	NA1120	Flammable liquid	Flammable liquid	Flammable
Pyridine	F005	Waste Solvent N.O.S.	UN1282	Flammable liquid	Flammable liquid	Flammable
Carbon Disulphide	P022	Waste Carbon Disulphide	UN1131	Flammable liquid	Flammable liquid	Flammable
Phosphonothioic Acid	P097	Waste Phospho- nothioic Acid	NA2783	Poison B	Poison	Poison

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HAZARDOUS WASTE IDENTIFICATION TABLE 1 (CONT'D.)

DESCRIPTION OR NAME	EPA HAZ. WASTE NO.	PROPER DOT SHIPPING NAME	HAZ. MAT'L. DOT SHP. NO.	DOT SHIPPING CLASSIFICATION	DOT LABEL REQUIRED	PLACARD* REQUIRED
O-dimethyl Ester	P097	Waste O-dimethyl Ester	1NA2783	Poison B	Poison	Poison
O-ester With n	P097	Waste O-ester With n	NA2783	Poison B	Poison	Poison
N-dimethyl Benzene Sulfonamide	P097	Waste N-dimethyl Benzene Sulfonamide	NA2783	Poison B	Poison	Poison
Phosphothioric Acid G	P097	Waste Phosphothioric Acid G	NA2783	Poison B	Poison	Poison
O-dimethyl-O-(p-nitrophenyl) ester	P097	Waste O-di-methyl-O-(p-nitrophenyl) ester	NA2783	Poison B	Poison	Poison
Sodium Cyanide	P106	Waste Sodium Cyanide	UN1689	Poison B	Poison	Poison

\*If a vehicle has two or more types of hazardous waste and contains less than 5000 pounds, the placard indicating "Dangerous" may be used rather than two separate placards.

NOTE: If a compound is not listed, contact the Chemistry Department, (primary contact Chemistry Senior Regulatory Specialist) for further instructions.

TABLE 2

WASTE MATERIALS CURRENTLY AUTHORIZED FOR  
SHIPMENT TO CHEMICAL WASTE MANAGEMENT

<u>WASTE MATERIAL</u>	<u>SHIPPING DESCRIPTION</u>	<u>HAZARD CLASS</u>	<u>DOT ID NO.</u>	<u>EPA HAZARDOUS WASTE NO.</u>	<u>CWMA WASTE CODE</u>	<u>DOT LABEL REQUIRED</u>	<u>PLACARD REQUIRED</u>
Solvent Waste (Flammable)	Waste Flammable Liquid N.O.S.	Flammable Liquid	NA1993	D-001 F-005	MARA-39375	Flammable liquid	Flammable
Solvent Waste (Combustible)	Waste Combustible Liquid N.O.S.	Combustible	NA1993	D-001 F-001 F-005	MARA-39375	None	None
Hydraulic and Motor Oil	Waste Petroleum Oil N.O.S.	Combustible Liquid	NA1270	None	MARA-39540	None	None
Paint Waste	Hazardous Waste Liquid or Solid	ORM-E	NA9188	F-005 D-001 D-008*	MARA-39333	Flammable liquid	Flammable
Epoxy Resin	Waste Resin Solution	Combustible Liquid	UN2868	None	MARA-39380	None	None

\*Only used if material is lead based paint



TABLE 3

COMMONLY KNOWN FLAMMABLE AND COMBUSTIBLE LIQUIDS

## CLASS IA

- Ethyl Ether
- Methyl Ethyl Ether

## CLASS IB

- Acetone
- Denatured Alcohol
- Ethyl Alcohol
- Gasoline
- Octane
- Toluol
- Isopropyl Acetate
- Isopropyl Alcohol
- Isopropyl Ether
- Methyl Ethyl Ketone

## CLASS IC

- Ethyl Alcohol (50% and below)
- Hydrazine (Anhydrous)
- Styrene

## CLASS II

- Camphor Oil (light)
- Cleaning Solvent (Stoddard solvent)
- Fuel Oil 1 & 2
- Cleaning Solvent (140 class)
- Mineral Spirits

## CLASS IIIA

- Camphor
- Cresote Oil
- Spindle Oil



# Hazardous Waste

FEDERAL LAW PROHIBITS IMPROPER DISPOSAL

If Found, Contact the Nearest Police, or Public Safety Authority,  
or the U.S. Environmental Protection Agency

Proper D.O.T. Shipping Name \_\_\_\_\_

UN or NA # \_\_\_\_\_

Generator Information		
Name Georgia Power Company		
Address		
City	State	Zip
EPA I.D. No.	EPA Waste No.	
Accumulation Start Date	Manifest Document No.	

**HANDLE WITH CARE!**

**CONTAINS HAZARDOUS OR TOXIC WASTES**

704244

FIGURE 2  
(EXAMPLE)





# HAZARDOUS WASTE MANIFEST

(As Required By The Alabama Department of Environmental Management)

Please print or type. (Form designed for use on 6/12 pitch typewriters.)

Form Approved OMB No. 2060-0038 Expires 9-30-88

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address				A. State Manifest Document Number <b>CWMA 346864</b>		
4. Generator's Phone ( )				E. State Generator's ID		
5. Transporter 1 Company Name		6. US EPA ID Number	C. State Transporter's ID			
7. Transporter 2 Company Name		8. US EPA ID Number	D. Transporter's Name			
9. Designated Facility Name and Site Address		10. US EPA ID Number	E. State Transporter's ID			
CHEMICAL WASTE MANAGEMENT, INC. Emelle Facility Alabama Highway 17 at Mile Marker 153 Emelle, Alabama 35459		11. A L D O D O B 2 2 4 6 4	F. Transporter's Phone			
			G. State Facility's ID			
			H. Facility's Phone <b>205/852-9721</b>			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	L. Volume/Weight
a. CWM Profile Number						
b. CWM Profile Number						
c. CWM Profile Number						
d. CWM Profile Number						
12. Additional Descriptions for Materials Listed Above		E. Handling Codes for Waste Listed Above				
		a. c.				
		b. d.				
15. Special Handling Instructions and Additional Information						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.						
Printed/Typed Name		Signature		Month Day Year		
17. Transporter 1 Acknowledgement of Receipt of Materials						
Printed/Typed Name		Signature		Month Day Year		
18. Transporter 2 Acknowledgement of Receipt of Materials						
Printed/Typed Name		Signature		Month Day Year		
19. Discrepancy Indication Space						
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.						
Printed/Typed Name		Signature		Month Day Year		

EPA Form 6700-22 (Rev. 9-85) Previous edition is obsolete

STATE OF ALABAMA (Must Accompany Shipment)

Figure 4  
(EXAMPLE)