# HAZARDOUS WASTE CONTINGENCY PLAN

#### PREPARED FOR:

MOBRO Marine, Inc. State Road 16 Green Cove Springs, Florida

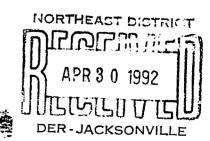
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#### 1.0 APPLICABILITY, PURPOSE AND IMPLEMENTATION (40 CFR 265.50,51)

The information has been prepared in accordance with the requirements for Contingency Plan and Emergency Procedures as outlined in the Code of Federal Regulations (CFR), Title 40, Part 265 Subpart D. The plan addresses the actions that are to be taken in the event of a fire, explosion of any unplanned sudden or non-sudden release of hazardous substances or constituents to air, soil, or surface water which could threaten human health or the environment.

#### 1.1 CONTENT OF THE PLAN (40 CFR 265.52)

The plan and the emergency response procedures (ERPs) provide direction for response to emergencies. These emergencies may vary in severity from minor personnel injuries to situations involving real or potential off-site chemical releases. In the event of an emergency, the procedures outlined in this Plan must be implemented.

#### 1.2 FACILITY DESCRIPTION

This contingency plan has been developed for:

MOBRO Marine, Inc. State Road 16 Green Cove Springs, Florida

MOBRO Marine, Inc. is the "Owner" and "Operator" of the facility. This facility, in Clay County, Florida and is located north of State Road 16 in Green Cove Springs. See Figure 1.1.

This facility functions as both a marine repair and crane maintenance facility. The only hazardous waste constituents produced by on-site operations are spent paint and thinner

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and their residues and minute quantities of diesel from gas freeing operations.

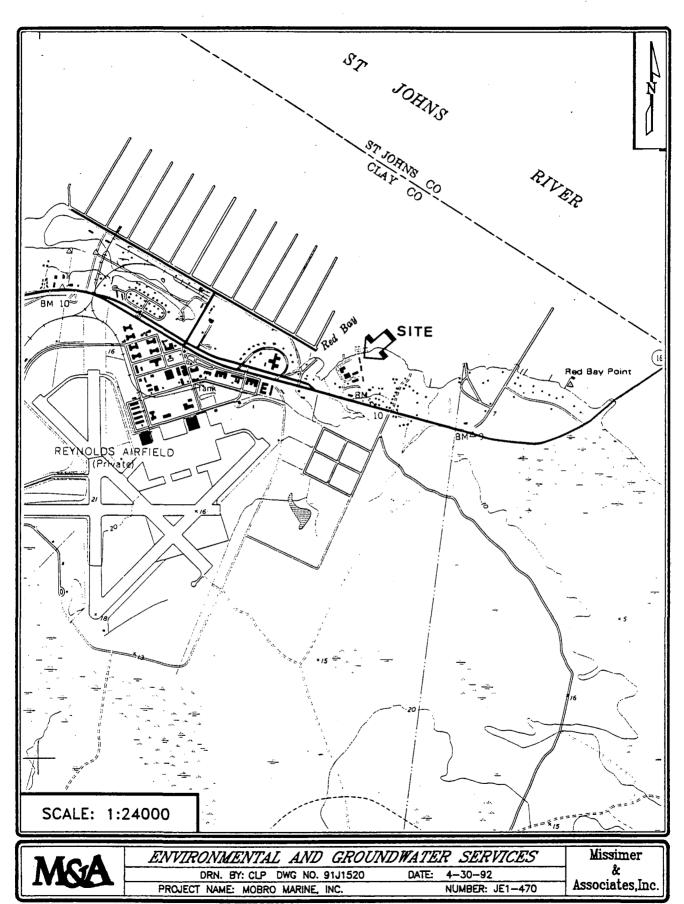


FIGURE 1-1. SITE LOCATION MAP
SOURCE: USGS GREEN COVE SPRINGS, FLORIDA QUADRANGLE

#### 1.3 HAZARDOUS WASTE GENERATION

The MOBRO facility is classified as a small quantity generator. The limit is established in the 1984 amendments to the Resource Conservation and Recovery Act (RCRA). The facility is not a Treatment, Storage or Disposal (TSD) facility and is not subject to TSD regulations. Hazardous wastes are not stored longer than 90 days.

For identifying purposes, Florida Department of Environmental Regulation (FDER), through coordination with the U.S. Environmental Protection Agency (EPA), has assigned EPA I.D. No. FLD081946105. Implementation and modifications of current procedures will produce no more than 55-gallons of hazardous waste per month.

Hazardous Waste Tracking requirements are listed in Appendix G.

# 1.4 EMERGENCY COORDINATOR (40 CFR 265.55)

In the event of an emergency, the Emergency Coordinator will be the Yard Superintendent (or, in his absence, a Relief Supervisor acting as Yard Superintendent), who will be notified immediately. An Emergency Coordinator will be onsite at all times. In the event of an emergency, the employee who discovers the emergency will immediately notify the Yard Superintendent.

In the event of an emergency or a reportable release, the Emergency Coordinator will notify the following:

Yard Superintendent, Harry Baxley, Ext. 9670 3469 County Road 220 Middleburg, Florida 32068 Home Telephone Number 282-1338

The person listed above has been authorized by MOBRO to coordinate emergency response measures and to commit the resources necessary to implement the Plan as he is familiar with this Plan, with the operations and activities at the facility, with the location and characteristics of the hazardous substances handled, and with the layout of the facility.

If the emergency involves fire, explosion, and/or personal injury, the Yard Superintendent will immediately dial 911. Upon placing the initial call to 911 the following agencies will automatically be called on all hazardous materials incidents:

- a) Fire Department, Emergency Medical Services
- b) Police/Sheriff's Department
- c) Bio-Environmental Services Division
- d) U.S. Coast Guard

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Additional support agencies will be notified, as necessary, by the initial responding agency. The Green Cove Springs Fire Department has the authority to assume command of any hazardous material incident. A communication reference list is provided in Table 1.1, however, the initial call for assistance need only be to 911. Notification to appropriate environmental agencies may be required; see Section 1.4.

# TABLE 1.1 EMERGENCY COMMUNICATIONS LIST

EMERGENCY	ORGANIZATION/AGENCY	TELEPHONE NUMBER
INJURY	EMERGENCY MEDICAL SERVICES HUMAN HOSPITAL LIFE FLIGHT (JAX) POISON CONTROL (JAX)	911 276-8580 1-800-396-LIFE 387-7500
FIRE/EXPLOSION	GREEN COVE SPRINGS FIRE DEPT.	911 284-9073
OBTAIN ADDITIONAL FOAM, DRY CHEMICAL OTHER EQUIPMENT	JAX INTL. AIRPORT FIRE DEPT. U.S. NAVY-SEA BASE COMMAND ASW/LANT DUTY OFFICER	757-2219/757-2251 772-2746 (DAY) 772-2338 (EVE)
EXPLOSIVE DISPOSAL	FLORIDA AIR NATIONAL GUARD	757-1360
HAZARDOUS MATERIAL SPILL OR RELEASE	EPA NATIONAL RESPONSE CTR. FL DEPT. ENVIRON. REGULATION CHEMTREC LOCAL EMER. PLAN COMM (LEPC) STATE EMER. RESP. COMM (SERC) STATE WARNING POINT NUMBER	1-800-424-8802 448-4320 1-800-424-9300 730-6260 1-800-635-7179 1-488-1320
IF SPILL REACHES NAVIGABLE WATER, STREAMS	U.S. COAST GUARD U.S. COAST GUARD FLORIDA MARINE PATROL	791-2648 (DAY) 246-7341 (EVE) 241-7107
CIVIL DISTURBANCE	CLAY COUNTY SHERIFF'S OFFICE	284-7575

# 1.5 NOTIFICATION [40 CFR 265.56(a), 265.56(d)(1), 265.56(d)(2)]

If the Emergency Coordinator determines that the facility has had a release, fire, or explosion which could threaten human health or the environment outside the facility, he or she will report findings as follows:

- 1. If the initial assessment indicates that evacuation of local areas may be advisable, the Emergency Coordinator will immediately notify appropriate local authorities at 911.
- 2. The Emergency Coordinator will immediately notify either the government official designated as the on-scene coordinator for that geographical area or the National Response Center [using its 24-hour toll free number 1-800/424-8802)]. The report will include:
  - a. Emergency Coordinator name and telephone number;
  - b. Name and address of facility;
  - c. Time and type of incident (e.g., release, fire);
  - d. Names and quantities of material(s) involved, to the extent known;
  - e. The extent of injuries, if any; and
  - f. The possible hazards to human health or the environment outside the facility.

Any emergency event (e.g., fire, explosion, spill, etc.) that requires implementation of the Contingency Plan and/or involves reportable quantities of hazardous materials shall be reported in writing to the Florida Department of Environmental Regulation and the EPA Regional Administrator by the Emergency Coordinator within 15 days after the incident. A copy of this form and the mailing address of the Regional Administrator is found in Appendix A. A telephone report to the National Response Center (NARC) is also required at the time of the incident. A copy of this form, found in Appendix A, must be completed and retained at MoBro when the NARC is notified. Appendix B contains the Federal list of reportable quantities (RQ) for hazardous substances.

# 1.6 IDENTIFICATION OF HAZARDOUS MATERIALS AND HAZARD ASSESSMENT [40 CFR 265.56(b)]

The Emergency Coordinator will be responsible for the assessment of possible hazards to human health or the environment. This assessment will be based on the nature of the emergency (e.g., spill, fire), the extent of the release, and the types and locations of the materials involved. The Emergency Coordinator will determine the effects of any toxic, irritating, or asphyxiating gases released or the effects of any surface runoff of water and chemicals used to control fire.

In order to provide adequate initial response to a spill, the collection and distribution of key information is essential. The following information must be obtained from the individual who first reports the incident in order to begin the assessment process and formulate the necessary response.

# Initial Hazard/Incident Assessment

- Obtain the reporter's name and telephone number
   If the spill is of significant magnitude, maintain an open line to the site.
- 2. <u>Identify the type and amount of the spill material</u>

  If the spilled material has not been identified, solicit data from shipping labels, manifests, or product container labels. Alternatively, request information on container type, container description, size, etc. Estimate the volume of material released.
- 3. Determine the exact location and extent of the spill

  Identify the products if the spill extends to a water body or if the spill has
  the potential for escaping the facility. Note whether the spill has been
  contained or confined to an impermeable surface.

- 4. Establish the nature of the problem and the time of the spill event

  Supplemental notifications may be required if safety or security conditions indicate the presence of or potential for injuries, fire, etc.
- 5. Determine emergency response and cleanup procedures
  Provide for safety and containment. For first reference, see the
  Department of Transportation (DOT) Hazardous Materials Emergency
  Response Guidebook or Spill Control Plan. If necessary, contact
  ChemTrec.
- Assess the need for assistance
   Coordinate requests for outside assistance with management and plant supervisory personnel.

#### 1.7 PLAN IMPLEMENTATION

The decision to activate the Contingency Plan has been assigned to the Emergency Coordinator. That decision shall be based upon an "imminent" or "actual" threat to the human health or environment. Imminent shall mean "likely to happen" in the Coordinator's judgment. Whenever there is an imminent or actual emergency situation, the Emergency Coordinator will immediately respond according to the Contingency Plan.

The following guidance is intended to facilitate the Emergency Coordinator's decision to initiate the Contingency Plan and Emergency Procedures. The Plan shall be implemented on occurrence of any of the following events:

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# Fire and/or Explosion:

- Fire cannot be extinguished with a single hand-held fire extinguisher.
- Release of toxic fumes. Potential to ignite materials at other locations onsite or could cause heat-induced explosions.
- Use of water or water and chemical fire suppressant could contaminate run-off.
- Imminent danger exists that an explosion could occur, causing a safety hazard because of flying fragments or shock waves.
- Imminent danger exists that an explosion could ignite other hazardous wastes at the facility.
- Imminent danger exists that an explosion could result in a release of toxic material(s).
- An explosion has occurred.

#### **Bomb Threat**

- Bomb threat called in or delivered to facility.
- Bomb threat called in or delivered to local fire or sheriff's department implicating the facility.

# Spill or Materials Release:

- Release of flammable or explosive liquids or vapors.
- Release of toxic liquids or fumes.
- Potential for ground water contamination.
- Potential for soil contamination and/or ground or surface water pollution.

#### **Floods**

- Potential for surface water contamination.
- Potential for ground water contamination.

# 1.8 EMERGENCY RESPONSE PROCEDURES (40 CFR 265.56)

The Emergency Coordinator will take all reasonable measures to ensure that the emergency, of whatever nature, does not spread and become more acute and to guard against the development of unforeseen dangerous conditions. He/she will ensure that the system is completely shut down and will help in coordinating any fire-fighting operations that are necessary. In the event of a spill, he/she will immediately shut down any equipment and take steps to contain the material and repair the leak or other source of spill.

If a fire caused by ignition or explosion is relatively small, it may be contained, controlled, or extinguished by the use of portable fire extinguisher, directing the extinguisher stream to the base of the flames. The City Fire Department must be called, (911), to respond to any plant fires that cannot be extinguished within the first few minutes. It is not the intent of plant personnel to fight major fires, but only to fight fires in the incipient stage and then to assist the city in any way possible.

#### Bomb Threat

The Yard Superintendent shall implement the following measures to protect plant personnel and equipment:

- Sound the alarm
- Institute evacuation procedure as needed
- Notify local fire and sheriff's departments at 911

The Emergency Coordinator will determine the magnitude of the threat based on the following information:

- Imminent hazard to employees;
- Potential to cause spill or release of hazardous materials to the environment;
- Potential for spread to offsite areas.

# Spill or Materials Release

The Yard Superintendent shall implement the following measures to halt and/or contain the release:

- Controlling the leaking source;
- Applying oil absorbent sheets and/or pigs on the spill; and
- Blocking off nearby storm drains to prevent discharge to surface water.

The Emergency Coordinator will determine the magnitude of the incident based on the following information:

- Nature and characteristic of spill and/or release;
- Location and effective extent of incident;
- Quantity spilled and/or released;
- Direction in which the spill or release is migrating;
- Extent of personnel injuries; and
- Potential and/or intensity of the event.

Some of the hazardous substances are solid. A solid material, if spilled, may be returned to the same type of container in which it was originally contained, or in an emergency, any open-top steel drum.

Hazardous liquids, if spilled, may be returned to their original container or a similar container, unless contamination is a problem. Any contaminated released liquid material will be pumped or absorbed with granulated absorbent or booms. In general, any hazardous liquid may be recovered in a stainless steel tote tank, or open-top steel drum pending further disposition by supervisors trained in hazardous waste disposal.

# WASTE INCOMPATIBILITY [40 CFR 265.56 (h)(l)]

No waste that may be incompatible with the released material is treated, stored, or disposed of until cleanup procedures are completed.

# POST EMERGENCY EQUIPMENT MAINTENANCE [40 CFR 265.56 (h)(2)]

Any equipment used in the control of a release will be cleaned and all contamination removed from the equipment before operations are resumed. Any contaminated materials which cannot readily be decontaminated will be disposed with the material from the release. The Emergency Coordinator will notify the appropriate state and local authorities that the cleanup is complete prior to the restart of operations.

# CONTAINER SPILLS AND LEAKAGE (40 CFR 265.171)

Any materials released from the accumulation or storage of drums will be handled as described in Section 1.9. The material remaining in the container will be transferred to a structurally sound drum or to the emergency standby hazardous waste drum reserved for that purpose. The leaking container will be disposed in an appropriate manner.

#### FLOOD RESPONSE

Should rising water become a problem, the Shift Superintendent shall implement the following measures:

- Instituting water diversion measures, i.e., trenching, berms, etc.
- Movement of equipment onto wooden pallets or away from floodwaters as appropriate.
- Shutting down exposed electrical equipment.
- Movement of chemicals and hazardous materials away from floodwaters.

#### 1.9 GENERAL PROCEDURES (40 CFR 265.56)

In the event of an emergency, the Emergency Coordinator will assess the situation and determine the facility's emergency response capabilities. The Coordinator will deploy the necessary in-plant personnel and contact the outside agencies as required. Refer to Table 1.2 for the Emergency Communications List.

In case of fire, supervisors of unaffected areas will stay with their personnel and be ready to evacuate and account for the persons under their supervision. See Figure 1-2, Evacuation Routes, in Appendix C.

The Emergency Coordinator has the responsibility for determining when the fire has been extinguished or the emergency condition is declared under control and the safety of personnel is no longer jeopardized. He will consult with the local fire department responding team to determine that the emergency has passed before declaring the situation under control. All used emergency equipment must be cleaned and fit for use prior to resumption of plant operations in the affected areas. The Emergency Coordinator is responsible for coordinating all cleanup operations and restoring the affected areas.

# Fire and/or Explosion

The paint flammables storage on the northern portion of the site (near the river) can be easily accessed by fire fighting and other emergency vehicles and equipment. Roads must remain clear at all times. Access to the paint locker in the crane shop is more limited. Adequate storage and aisle space must be maintained to allow unobstructed movement of personnel and fire protection equipment. During an emergency, the Green Cove Springs Fire Department will be called to respond to any plant fire that cannot be extinguished within the first few minutes. It is not the intent of the facility personnel to fight major fires, but only fires in the initial stage and then to assist the city fire department.

During power failures or severe weather, fire response personnel will be assigned to protect personnel and property. In the event of a fire, the response team will focus on preventing the fire from spreading.

The following actions are required in affected areas:

- Immediately discontinue all hazardous work and cease pumping any flammable liquids in the area;
- De-energize all affected equipment;
- Contact the Emergency Coordinator;
- Clear the area of all non-essential personnel. These persons are to report to their designated rally points (Appendix E) for accountability.
- Do not move an injured person until an emergency medical team reaches the scene unless there is a significant risk of further injury related to the emergency; and
- Administer first aid while waiting for the emergency medical team. A
  current list of personnel trained in first aid, CPR, or both is posted in the
  main office.

Because fire is always a potential hazard in spills of flammable materials, possible sources of ignition must be eliminated. During any spill event, vehicular traffic and hazardous work in the area will cease until the spill is contained and a safe environment is restored.

If a highly flammable material is released (e.g., natural gas), the Clay County Sheriff's Department will be notified. The Sheriff's Department will then notify all persons within at least a quarter-mile radius of the release. All ignition sources within the release area will be eliminated. Electrical devices will be turned off. The use of motor vehicles in the vicinity of the release will be restricted or eliminated to avoid ignition of the vapor, and resulting flashback which could cause an explosion or fire of wide dimensions at the source. If the chances of an impending explosion are significant, the entire area within a 2,000-ft radius of the source will be evacuated.

If a fire is involved and is concentrated at the source, people will be evacuated up to a half-mile downwind.

Area or plant evacuation will be necessary in the event of a major fire or explosion. The telephone activated public address (P.A.) system will be used if it is functioning. If not, the response team will be responsible for coordinating communication via 2-way radios. All personnel have been trained in evacuation procedures and means of exit from their respective work areas (Appendix F). The procedures are routinely reviewed during fire drills which are conducted a minimum of two times a year.

Until evacuation is signaled, by fire alarm, P.A. system or voice, personnel who are not in an affected area will stay in their respective work areas. Contract personnel and visitors will immediately be cleared from the area at the first sign of an emergency or spill condition.

#### **Bomb Threat**

The procedures to be followed upon receipt of a bomb threat are similar to those followed for Fire and/or Explosion. Aisles and roadways must be kept clear at all times to facilitate movement by fire fighting and other emergency vehicles and equipment. Adequate storage and aisle space must be maintained at all times to allow unobstructed movement of personnel and fire protection equipment.

The following actions are required:

- Immediately discontinue all hazardous work and cease pumping any flammable liquids;
- De-energize all equipment;
- Contact the Emergency Coordinator;
- Clear the area of all non-essential personnel. These persons are to report to their designated rally points (Appendix E) for accountability.

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Plant evacuation will be necessary in case of a bomb threat. The telephone activated public address (P.A.) system will be used if it is functioning. If not, the response Team will be responsible for coordinating communication via 2-way radios. All personnel have been trained in evacuation procedures and means of exit from their respective work areas (Appendix F). These procedures are routinely reviewed during fire drills which are conducted a minimum of two times a year.

#### Spill or Materials Release

Anyone who discovers a chemical spill will immediately report it to the Shift Superintendent. Immediately following spill or leak detection, facility personnel will attempt to stop the leak or spill in progress. In the event toxic material is discovered migrating offsite, the Emergency Coordinator will notify, as necessary, the appropriate agencies listed in Table 1.2.

If a chemical spill is not contained within a dike or sump area, an area of isolation will be established around the spill. The size of the area will generally depend on the size of the spill and the materials involved. If the spill is large, an initial isolation of at least 100 feet in all directions is recommended to allow cleanup, repair and to prevent exposure. When any spill occurs, only those persons involved in overseeing or performing emergency operations will be allowed within the designated hazard area. If possible the area will be roped or otherwise blocked off.

If the control and cleanup of a spill, release, or fire is within the capabilities of company personnel and local response teams, the Florida Department of Environmental Regulations or the National Response Center will not be notified unless the quantity of hazardous material spilled is equal to or greater than the reportable quantity specified under 40 CFR Part 117.

If the Emergency Coordinator determines that the company is unable to handle the emergency, then local, state, and Federal Authorities will be notified of the situation.

Evacuation of potentially affected plant areas will begin as soon as possible.

For all large spills or serious leaks the following guidelines will be followed as closely as possible:

- 1. If a leak develops or a spill occurs the person discovering the discharge will leave the immediate area and contact the Emergency Coordinator. The Emergency Coordinator will obtain the following information:
  - a. Person(s) injured and seriousness of injury.
  - b. Location of the spill or leak, material involved, and source (tank, pipeline, etc.).
  - c. The approximate amount spilled, estimate of the liquid discharge rate, and the direction the liquid is moving.
  - d. Whether or not a fire is involved.
- 2. Next, the Emergency Coordinator will:
  - a. Evacuate the hazardous area as needed. For small spills or leaks, isolate at least 50 feet in all directions. For large spills, initially isolate at least 100 feet in all directions.
  - b. Obtain medical attention for any injured persons. It may be helpful to instruct the caller in the initial first aid procedures. Then call the hospital.
  - c. Call the fire department if a fire is involved that cannot be extinguished by plant personnel.
  - d. Dispatch emergency personnel to the site to take the appropriate action.
  - e. Contact the proper authorities (Table 1.2) if the spill or release is large. If a large spill occurs, the initial evacuation area downwind should be 1000 feet long by 500 feet wide.

# 3. Cleanup personnel will:

- a. Make sure all unnecessary persons are removed from the hazard area.
- b. Put on protective clothing and equipment.
- c. Remove all ignition sources, and use spark and explosion proof equipment and clothing in containment and cleanup.
- d. If possible try to stop the leak. Special materials will be kept on hand for temporary repairs.
- e. Remove all surrounding material that could be especially reactive with materials in the waste. Determine the major components in the waste at the time of the spill.
- f. Use absorbent pads, booms, earth, sand, and other inert materials to contain, divert, and clean up a spill if it has not been contained by a dike or sump. Most spills contained within the dike or sump can be pumped back into the appropriate storage tank or drum.
- g. In the event an oil spill occurs, the contents of the ditch will be pumped to the industrial waste water treatment facility for retention and separation.
- h. Place all containment and cleanup materials in drums for proper disposal. Some items, such as absorbent rags or booms may have to be cut up.
- i. Place all recovered liquid wastes and contaminated soil in drums for removal to an approved disposal site.

The Emergency Coordinator will determine whether or not the spill has exceeded a "reportable quantity", as established by the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) (refer to Appendix B). If the spill exceeds a reportable quantity, the Emergency Coordinator should contact the National Response center at 800/424-8802. Also, the information in Appendix A, Page A-1, must be reported by telephone at this time. This form should be signed by the Emergency Coordinator with the original retained indefinitely in a secure file and a copy submitted to the Shift Supervisor.

The Emergency Coordinator will conduct an investigation to determine the cause of the spill and corrective action necessary to prevent future incidents. Investigative findings and proposed action will be documented in a report which shall be retained indefinitely by the Plant Manager.

# Prevention of Recurrence or Spread of Fires, Explosions or Releases

Actions to prevent the recurrence or spread of fires, explosions, or releases, include stopping processes and operations, collecting and containing released waste, and recovering or isolating containers.

# Storage and Treatment of Released Material

Immediately after an emergency, the Emergency Coordinator will make arrangements for treatment, storage or disposal of recovered waste, contaminated soil, surface water or any other contaminated material.

# Post-Emergency Equipment Maintenance

After an emergency event, all emergency equipment will be cleaned so that it is fit for use or it will be replaced. Before operations are resumed, an inspection of all safety equipment will be conducted. The Regional Administrator, state, and local authorities will be notified that post-emergency equipment maintenance has been performed and operations will be resumed.

# 1.10 EMERGENCY EQUIPMENT/SYSTEMS [40 CFR 265.52 (e)]

Emergency equipment consists of hand held fire extinguishers, a stationary fire pump located on the river near the 2-story office, spill control equipment decontamination, safety, and a plant wide communication system plus alarms. A brief outline of the location and capabilities of each of these follows.

# Fire Extinguishing System

Locations of plant fire extinguishers are shown in Figure 1-2 located in Appendix C.

# Spill Control

Equipment for use in containing and cleaning up spilled hazardous wastes is stocked and maintained in area D as shown in Figure 1-2 (Appendix C). This consists of granulated spill absorbent, portable pumps, absorbent pails, and absorbent booms. In addition, empty DOT-approved 55-gallon hazardous waste drums are available in the plant with dedicated shovels and brooms.

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# 1.11 COORDINATION AGREEMENTS [(40 CFR 265.52 (c)]

MOBRO Marine has made the following arrangements to facilitate the response to emergency situations:

Copies of the Contingency Plan will be given to the local police, fire department, the hospitals, and the state and local Emergency Response Teams. These agencies will be asked to review and comment on the Plan and to detail the actions they will take in an emergency situation.

- Copies of the letters accompanying the Contingency Plan and inviting the above agencies to visit the facility are provided in Appendix G.
- The purpose of these visits was to familiarize police, fire departments, and emergency response teams with the layout of the facility and associated hazards, places where facility personnel would normally be working, entrances to roads inside the facility, and possible evacuation routes. Agreements are in effect with others to provide support as needed.
- A copy of Material Safety Data Sheets (MSDSs) for all of the chemical products used by Mobro will be sent to the Company Doctor:
- Copies of the MSDSs will be sent to the local fire department as well as the Florida Department of Environmental Regulation.

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# 1.12 EVACUATION PLAN [40 CFR 265.52 (f)]

All emergencies require prompt and deliberate action. In the event of any major emergency it will be necessary to follow an established set of procedures. Evacuation of the plant in the event of a large fire or release of hazardous materials shall be determined by:

Plant Manager
Emergency Coordinator
Operations Manager
Green Cove Springs Fire Department

Notice to evacuate will be given using telephone and building intercom systems.

Persons advised to evacuate should proceed immediately to designated assembly points. Persons should remain at the assembly points until accounted for and released to go home or notified that it is safe to return to work.

With very few exceptions, the only immediate major hazard, that would require any degree of retreat, would be a fire. As buildings are open and storage tanks are located in open areas, there are no locations where personnel would potentially be trapped. What is required is for personnel to retreat a safe distance from the point of fire and safely make their way to their designated rally point.

A typical evacuation route and the rally points for the different departments are designated on the site plan in Appendix E.

# 1.13 COPIES OF CONTINGENCY PLAN (40 CFR 265.53)

A copy of the contingency plan and all revisions to the plan must be:

- (a) Maintained at the facility; and
- (b) Submitted to all local police departments, fire departments, hospitals, and state and local emergency response teams that may be called upon to provide emergency services.

# 1.14 AMENDMENTS TO THE CONTINGENCY PLAN (40 CFR 265.54)

The Contingency Plan will be reviewed and immediately amended, as necessary whenever:

- The plan fails in an emergency.
- The facility significantly modifies its design, construction, operations, maintenance, or other circumstances in a way that materially increases the potential for fires, explosions or releases of hazardous waste or hazardous waste constituents, or changes in the response necessary in an emergency.
- The list of Emergency Coordinators changes.
- The list of emergency equipment changes.
- The list of hazardous materials changes.

# APPENDIX A EMERGENCY REPORTING FORMS

MOBRO Marine, INC.

# APPENDIX B TABLE 302.4

# LIST OF HAZARDOUS SUBSTANCES

AND

REPORTABLE QUANTITIES

ENVIRONMENTAL PROTECTION AGENCY 40 CFR Part 302.4

APPENDIX C
FACILITY LOCATION

APPENDIX D
CORRESPONDENCE

# APPENDIX E EMERGENCY EVACUATION PLAN

April 17, 1992

Mr. Richard Knoff Asst. Fire Chief, Hazardous Materials Team City of Green Cove Springs 229 Walnut Street Green Cove Springs, Florida 32043

Subject:

**Emergency Response** 

Fire, Explosion, Hazardous Material Spills

MOBRO Marine, Inc., State Road 16, Green Cove Springs, Florida

RE:

RCRA Contingency Plan

Dear Sir:

On behalf of MOBRO Marine, we are pleased to inform you that your office will receive a copy of the "RCRA Contingency Plan and Emergency Procedures" manual. We invite you to familiarize yourself with the manual.

We are anxious for you or your representative to visit the MOBRO facility to assure that the best possible preparations for responding to any emergency event which may occur has been made. Of course, we invite any suggestions or comments you may wish to offer.

MOBRO will contact you within the next few weeks to schedule the plant visit. Meanwhile, if any questions arise, please feel free to contact them for assistance in arranging a facility tour.

Thank you very much for your cooperation and assistance.

Sincerely,

MISSIMER & ASSOCIATES, INC.

Thomas M. Martin Manager, Environmental Compliance and Industrial Hygiene

Received by:	 	 	
Date:	 	 	

TMM/dl

April 17, 1992

Mr. Lloyd Schroder, Manager Humana Hospital, Environmental Services 2001 Kingsley Avenue Post Office Box 2000 Orange Park, Florida 32073

Subject:

**Emergency Response** 

Fire, Explosion, Hazardous Material Spills

MOBRO Marine, Inc., State Road 16, Green Cove Springs, Florida

RE:

RCRA Contingency Plan

Dear Sir:

On behalf of MOBRO Marine, we are pleased to inform you that your office will receive a copy of the "RCRA Contingency Plan and Emergency Procedures" manual. We invite you to familiarize yourself with the manual.

We are anxious for you or your representative to visit the MOBRO facility to assure that the best possible preparations for responding to any emergency event which may occur has been made. Of course, we invite any suggestions or comments you may wish to offer.

MOBRO will contact you within the next few weeks to schedule the plant visit. Meanwhile, if any questions arise, please feel free to contact them for assistance in arranging a facility tour.

Thank you very much for your cooperation and assistance.

Sincerely,

MISSIMER & ASSOCIATES, INC.

Thomas M. Martin Manager, Environmental Compliance and Industrial Hygiene

Received by:	 	 	· · · ·
Date:			

TMM/dl

April 17, 1992

Mr. Thomas Lafferty, Administrator Clay Memorial Hospital (Limited Care) P.O. Box 808 Green Cove Springs, Florida 32043

Subject:

**Emergency Response** 

Fire, Explosion, Hazardous Material Spills

MOBRO Marine, Inc., State Road 16, Green Cove Springs, Florida

RE:

RCRA Contingency Plan

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Thomas M. Martin Manager, Environmental Compliance and Industrial Hygiene

Received by: _		 
Date:		

TMM/dl

April 17, 1992

Mr. Dalton Bray Sheriff Clay County 801 Orange Avenue Green Cove Springs, Florida 32043

Subject:

**Emergency Response** 

Fire, Explosion, Hazardous Material Spills

MOBRO Marine, Inc., State Road 16, Green Cove Springs, Florida

RE:

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MISSIMER & ASSOCIATES, INC.

Thomas M. Martin Manager, Environmental Compliance and Industrial Hygiene

Received	by:	 		
Date	•			
Date:			•	

TMM/dl

April 17, 1992

Department of Community Affairs Division of Emergency Management 2740 Centerview Drive Tallahassee, Florida 32399-2400

Subject:

**Emergency Response** 

Fire, Explosion, Hazardous Material Spills

MOBRO Marine, Inc., State Road 16, Green Cove Springs, Florida

RE:

RCRA Contingency Plan

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MISSIMER & ASSOCIATES, INC.

Thomas M. Martin Manager, Environmental Compliance and Industrial Hygiene

Received by:	•
Date:	
TMM/dl	

# APPENDIX F HANDLING HAZARDOUS MATERIAL

#### **EMERGENCY PROCEDURES**

#### Flammable Liquids

#### **HEALTH HAZARDS**

Poisonous; may be fatal if inhaled, swallowed or absorbed through skin. Contact may cause burns to skin and eyes.

Runoff from fire control or dilution water may cause pollution.

#### FIRE OR EXPLOSION

Flammable/combustible material: May be ignited by heat, sparks or flames.

Vapors may travel to a source of ignition and flash back.

Container may explode in heat of fire.

Vapor explosion and poison hazard indoors, outdoors or in sewers.

Runoff to sewer may create fire or explosion hazard.

#### **EMERGENCY ACTION**

Keep unnecessary people away, isolate hazard area and deny entry.

Stay upwind; keep out of low areas.

Self-contained breathing apparatus and chemical protective clothing which is specifically recommended by the shipper or producer may work but they do not provide thermal protection unless it is stated by the clothing manufacturer. Structural fire fighter's protective clothing is not effective with these materials.

Isolate for 1/2 mile in all directions if tank car or truck is involved in fire.

CALL CHEMTREC AT 1-800-424-9300 FOR EMERGENCY ASSISTANCE.

If water pollution occurs, notify the appropriate authorities.

#### **FIRE**

Small fires; dry chemical, C0<sub>2</sub>, Halon, water spray or standard foam.

Large fires; water spray, fog or standard foam is recommended. Move container from fire area if you can do it without risk. Dike fire control water for later disposal; do not scatter the material.

Cool containers that are exposed to flames with water from the side until well after fire is out. Stay away from ends of tanks.

Withdraw immediately in case of rising sound from venting safety device or any discoloration of tank due to fire.

#### SPILL OR LEAK

Shut off ignition sources; no flares, smoking or flames in hazard area.

Do not touch spilled material; stop leak if you can do it without risk.

Water spray may reduce vapor, but it may not prevent ignition in closed spaces.

Small spills; take up with sand or other non-combustible absorbent material and place into containers for later disposal.

Large spills; dike far ahead of liquid spill for later disposal.

#### FIRST AID

Move victim to fresh air and call emergency medical care; if not breathing, give artificial respiration; if breathing is difficult, give oxygen.

Remove and isolate contaminated clothing and shoes at the site.

In case of contact with material, immediately flush skin or eyes with running water for at least 15 minutes.

Keep victim quiet and maintain normal body temperature.

Effects may be delayed; keep victim under observation.

In the event plant evacuation is called for by the Emergency Coordinator, the following actions will be taken:

- 1. The signal for plant evacuation will be activated.
- 2. Both gates will immediately be opened. No further entry of visitors, contractors or trucks will be permitted unless authorization by the Emergency Coordinator. All non-emergency vehicle traffic within the plant will cease to allow safe exit of personnel and movement of emergency equipment.
- 3. <u>ALL</u> non-emergency personnel, visitors, and contractors will immediately leave through the exit gate located east of the main office. Any vehicle traffic will exit through the gate west of the main office.
- 4. No persons shall remain or re-enter the location unless specifically authorized by the Emergency Coordinator or his designee. In allowing this, the person in charge assumes responsibility for those persons within the perimeter. Those within the fenced area will normally only include fire fighting personnel, emergency teams or certain designated and trained employees.
- 5. <u>ALL</u> person will be accounted for by their immediate supervisors. Supervisors will designate the safest existing procedure for his or her employees. To assist in this endeavor, the Emergency Coordinator will use the public address system supplemented by radio and the internal telephone system to achieve the most raped and efficient communication.
- 6. Employees and others will proceed to the rally points in an orderly manner. Refer to Figure 1-3. Immediately upon exit through the gate, the Yard Supervisor will prepare a list of <u>all</u> personnel at the exit gate. All other personnel who have persons reporting to them must confirm the final accounting.
- 7. Upon completion of the employee list, the supervisor in charge will hand-carry the list to the Emergency Coordinator. all other personnel will remain at the gate area.
- 8. Contract personnel should also be listed with the name of their company.
- 9. The names of emergency team members involved in emergency response will be reported, in writing, to the front gate by designated response team personnel.
- 10. A final tally of persons will be made by the Emergency Coordinator.
- 11. No attempt by persons other than specifically trained emergency response workers to find persons not accounted for will involve endangering lives of others by re-entry into emergency areas.

- 12. Re-entry into the fenced area will be made only after clearance is given by the Emergency Coordinator. At his/her direction, a signal or other notification will be given for re-entry into the plant.
- 13. In all questions of accountability, immediate supervisors will be held responsible for those persons reporting to them. Visitors will be the responsibility of those employees they are seeing. Contractors are the responsibility of those persons administering the individual contracts.
- 14. Drills are held to practice all of these procedures and are treated with the same seriousness as an actual emergency.

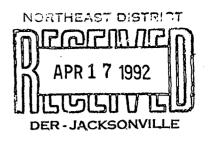
## APPENDIX G HAZARDOUS WASTE TRACKING

#### HAZARDOUS WASTE TRACKING

Hazardous wastes will be containerized in 55-gallon drums as the are generated. Containers will be assigned an identification number and labelled as containing hazardous waste before use. As each drum is filled, it will be placed in a hazardous waste containment area. A log book will be maintained containing the following information for each container of waste:

- Container identification number;
- Volume of waste in the container;
- Description and type of waste;
- Date the waste was generated;
- Disposal date, manifest number, and disposal contractor's name, EPA ID number, and telephone number;
- Disposal facility's name, EPA ID number and phone number.

A copy of the waste manifest will be kept in a designated file. The log book will be cross-checked quarterly against manifests to ensure that all disposed drums are accounted for. All containers will be inspected weekly and the results of the inspection will be noted in the log book.



DRAFT PRELIMINARY
CONTAMINATION ASSESSMENT PLAN
MOBRO MARINA, INC.
STATE ROUTE 16
GREEN COVE SPRINGS, FLORIDA
FDER/EPA ID NO. FLD 081 946 105

#### Prepared For:

Ms. Jane Mears
Florida Department of Environmental Regulation
Northeast District

### Prepared By:

Missimer & Associates, Inc. 8130 Baymeadows Way West, Suite 104 Jacksonville, Florida 32256

April 17, 1992

Project Number JE1-470

Control Number 1042

Brad S. Tompa Project Manager Japies F. CHREROS P.G.
MISSIMERIAND RESOC Florida Licensed Profession Geologist # [1]3 Date AITESANC73 Tall STATE OF CONAL GROWAL G

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#### 1.0 INTRODUCTION

MOBRO Marine, Inc., retained Missimer and Associates, Inc. (M&A) to prepare a Preliminary Contamination Assessment Plan (PCAP) for the facility located in Green Cove Springs, Clay County, Florida. The site is located in Section 38, Township 6 South, Range 26 East, Latitude 30 degrees, 56 minutes and 45 seconds, Longitude 81 degrees, 38 minutes and 44 seconds (Figure 1). The Florida Department of Environmental Regulation (FDER) conducted a hazardous waste inspection of the MOBRO Marine facility on September 14, 1990. Some of the hazardous waste violations found during the inspection were addressed by the FDER in a Consent Order dated February 19, 1992 (OGC Consent Order No. 90-1662). As part of the requirements of the Consent Order, MOBRO Marine must submit a PCAP in accordance with the FDER document entitled "Corrective Actions for Groundwater Contamination Cases", for the areas identified in the Consent Order as 7, 9 and 12.

MOBRO Marine, Inc. is a tugboat and barge construction and rework facility. Rework activities include sandblasting, welding, mechanical refitting, and painting. Tractor mounted and barge mounted cranes are also repaired and painted at the facility.

The purpose of the PCAP is to present a work plan to the FDER to evaluate whether soil or groundwater has been adversely impacted by alleged discharges in the three areas. Also, the PCAP describes procedures to determine if contamination is detected, whether concentrations of these contaminants exceed the criteria set forth in Florida Administrative Code (FAC) Chapter 17-3.

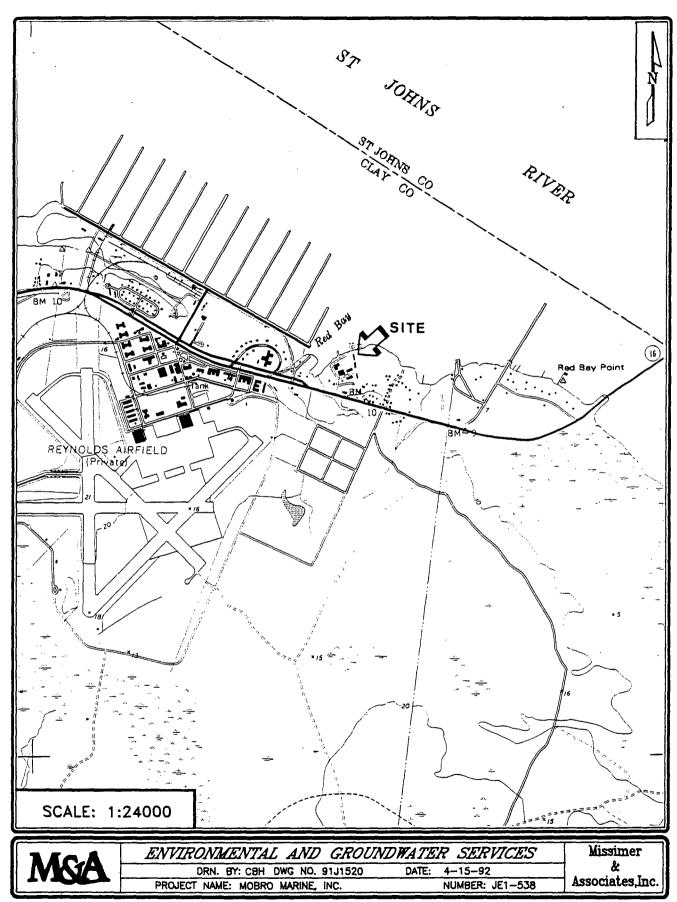


FIGURE 1-1. SITE LOCATION MAP

SOURCE: USGS GREEN COVE SPRINGS, FL QUADRANGLE MAP

#### 1.1 Scope of Work

This PCAP describes the sources of information and field investigations that will be used to accomplish the following tasks:

- 1. Characterize the regional hydrogeology;
- 2. Characterize the surficial hydrogeology of the site;
- 3. Identify and classify the surficial aquifer at the site;
- 4. Identify private and public potable water wells within one-half (1/2) mile of the site:
- 5. Identify permanent surface water bodies within one-half (1/2) mile of the site;
- 6. Construct and develop temporary monitoring wells on the site;
- 7. Collect and analyze groundwater samples;
- 8. Collect soil samples and screen them with an OVA-FID;
- 9. Collect soil samples for laboratory analysis.

#### In addition, this PCAP:

- 1. Describes the location and justification of monitoring wells to be constructed at the site:
- 2. Describes sampling equipment and methods that will be used to collect soil and groundwater samples;
- 3. Identifies the parameters and analytical methods that will be used for soil and groundwater samples analyzed;
- 4. Identifies possible laboratories that soil and groundwater samples will be submitted for analysis;
- 5. Provides maps and figures as appropriate to show the location of MOBRO Marine, Inc., major physical features on the site, proposed locations of temporary monitoring wells, proposed locations of soil samples and temporary monitoring well construction details.

#### 2.0 SITE DESCRIPTION

#### 2.1 General Description

The MOBRO Marine property is located along the south side of the St. Johns River. The land is relatively flat, sloping gently toward the river to the north. The site is bordered on the north by the St. Johns River and on the south by State Route 16, to the east and west is private land. The facility consists of several concrete and corrugated steel block buildings that are used for offices and workshops. Access roads and parking areas are generally unpaved with concrete areas near the buildings. Several areas of the site are used for the storage of large scrapped equipment, vehicles and containers or items temporarily not in use.

#### 2.2 Facility Process Description

The MOBRO Marine, Inc. (originally Moody Brothers, Inc.) facility has been in operation for approximately 20 years. The primary operation is the repair and maintenance of barges and tugboats; however, crane repair and maintenance is also conducted at the facility. The facility may be divided into two work areas; the barge and tugboat area and the crane area. A site plan of the facility is shown in Figure 2-1.

Barges and tugboats typically undergo several phases of treatment, including sandblasting, maintenance or repair work, and repainting. The barges are pulled out of the water by rail to the repair area. The boats are then sandblasted or scraped to remove old paint and barnacles. After sandblasting, repairs such as welding or replacement of damaged sections are completed. Upon completion of repairs, the barges are repainted using spray guns and placed back into service.

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#### 3.0 GEOLOGY AND HYDROGEOLOGY

#### 3.1 Regional Geology and Hydrogeology

The regional geology and hydrogeology will be investigated by a review of published interpretative reports describing the geology and hydrogeology of northeast Florida. Sources of published reports that will be reviewed include the Florida Geological Survey, the U.S. Geological Survey, and the St. Johns River Water Management District. Information from wells identified during the well inventory will be used to supplement the information obtained from published reports.

#### 3.2 Site Geology and Hydrogeology

Data from existing production wells on the site and from temporary monitoring wells constructed in the surficial aquifer on the site during the Preliminary Contamination Assessment will be used to characterize the geology and hydrogeology of the site. Detailed descriptive geologic logs will be prepared by a M&A geologist during installation of temporary monitoring wells. Permanent water-level measuring points (MPs) will be established on the casing of each temporary monitoring well. MP elevations will be referenced to an arbitrary on-site benchmark surveyed by M&A personnel. If construction of existing production wells on the site allows for measurement of water depths, then MPs will be established on these wells and elevations will also be surveyed. Relative elevations of water levels in temporary monitoring wells will be used to determine the direction of groundwater flow in the surficial aquifer at the site.

#### 3.3 Aquifer Identification and Classification

The site overlies undifferentiated pliocene and recent deposits. The depth to the principal aquifer and the presence or absence of overlying permeable and confining units at and near the site will be investigated by an examination of the logs of wells identified

during the well inventory. Classification of shallow groundwater, in accordance with Chapter 17-3 FAC, will be determined at the site.

#### 3.4 Potable Water Supply Well Inventory

A well inventory will be conducted to determine the number and locations of public and private potable water-supply wells within a one-half mile radius of the facility. A search of computer files of the St. Johns River Water Management District, the Northeast District of the FDER and other county and public agencies will be made. Wells identified during the file search will be verified by field reconnaissance.

#### 3.5 Surface Water Inventory and Classification

Permanent surface water bodies within one-half mile of the site will be identified by an examination of U.S. Geological Survey Green Cove Springs 7-1/2 minute Quadrangle Map. Surface-water bodies identified during the examination of topographic maps will be verified by field reconnaissance.

#### 4.0 FIELD INVESTIGATION

#### 4.1 Monitoring Well Location and Identification

Consent Order No. 90-1662, issued by the FDER to MOBRO Marine, Inc., requires the completion of a Preliminary Contamination Assessment Plan (PCAP). The PCAP must address Areas 7, 9 and 12 (Figure 2-1) that were identified in the FDER's September 14, 1990 inspection report. The placement of the temporary monitoring wells will be designed to maximize the evaluation of potential impacts at each area.

Area 7 is located west of a large parts storage building. The building at Area 7 is a multi-bay maintenance building with a concrete floor. The westernmost bay of the building was used to store 55-gallon drums filled with waste oil. A waste oil tank was also stored in Area 7 in which D001/F005 hazardous wastes were allegedly placed. Area 7 is currently used to store several empty 55-gallon drums. Temporary monitoring wells will be installed on the north, south, and west sides of the building. The northern temporary monitoring well will be installed directly north of the maintenance bay that was used to store the waste oil in which the D001/F005 waste was allegedly placed.

Area 9 is adjacent to the St. Johns River at the north-central portion of the facility near the barge rework area. Area 9 consists of a concrete pad that had been the foundation of a storage building. Area 9 was used for the storage of a 55-gallon drum which was allegedly filled with oil and water pumped from bilges. Temporary monitoring wells will be installed on the north, southeast, and southwest of the concrete pad.

Area 12 is the diesel aboveground storage tank (AST) area. Area 12 includes three ASTs, the eastern AST is a 15,000-gallon diesel fuel tank. The westernmost AST is a 15,000-gallon tank used for the storage of oil and water pumped from bilges. The center AST is an 8,000-gallon tank that is currently empty and serves as a contingency tank for the overfill of the westernmost AST. All three ASTs are located within an

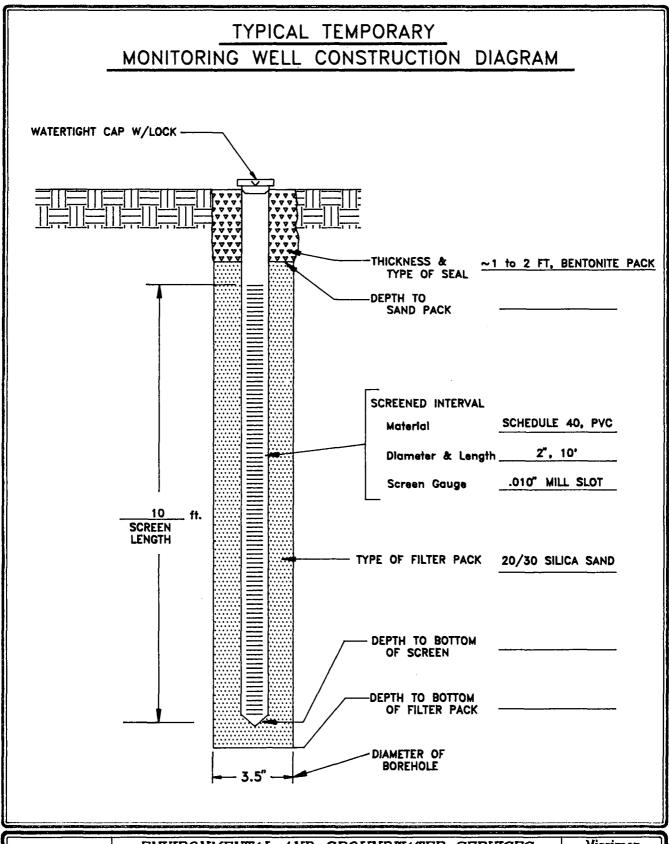
approximately four-feet high containment wall. Temporary monitoring wells will be installed on the north, east, and west sides of the area, outside the containment walls.

An additional temporary monitoring well will be installed at an upgradient location, to be determined in the field, for measurement of background concentrations of constituents in the groundwater. Approximate locations of the proposed temporary monitoring wells are shown in Figure 4-1.

#### 4.2 Temporary Monitoring Well Installation and Construction

Boreholes for the temporary monitoring wells will be completed using a stainless steel hand auger. Soil samples will be collected vertically every two feet in each borehole to the water table. Soil samples will then be field screened for volatile organic vapors using an organic vapor analyzer equipped with a flame ionization detector (OVA-FID). Samples will be split and placed into clean sample jars. Each jar will be sealed with aluminum foil and allowed to equilibrate prior to analysis. Split soil samples will be analyzed using an activated carbon filter to screen for non-hazardous methane gas that occurs naturally in the soil. Net volatile organic vapors associated with each soil sample will be determined by subtracting the filtered from the unfiltered OVA-FID calibrated to manufacturers' specifications prior to use. Physical characteristics of soil samples will be classified and documented.

Temporary monitoring wells will be constructed inside the auger borings using clean two-inch diameter, schedule 40, PVC casing with 10 feet of 0.010-inch mill-slotted screen. Screened intervals will be determined based on field determinations of the depth to groundwater to ensure that the groundwater level will be within the screened internal. Filter packs of 20-30 size silica sand will be installed in the annular space around the screened intervals from total depth to approximately 2-3 feet bls. A bentonite seal will be placed above the sand packs to land surface. A typical monitoring well construction diagram is presented in Figure 4-1.



DRN. BY: CBH DWG NO. 92J0244 DATE: 4-15-92 PROJECT NAME: MOBRO MARINE, INC. NUMBER: JE1-470  Associates, Inc.				ار برود در
DRN. BY: CBH DWG NO. 92J0244 DATE: 4-15-92  PROJECT NAME: MOBRO MARINE, INC. NUMBER: JE1-470  Associates,Inc.	140.4	ENVIRONMENTAL AND GROUN	DWATER SERVICES	Missimer
PROJECT NAME: MOBRO MARINE, INC. NUMBER: JE1-470 ASSOCIATES,IDC.	MOG	DRN. BY: CBH DWG NO. 92J0244	DATE: 4-15-92	]
( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )		PROJECT NAME: MOBRO MARINE, INC.	NUMBER: JE1-470	Associates, Inc.

All temporary wells to be installed as part of the PCAP will be developed using a peristaltic pump with dedicated teflon tubing or a dedicated disposable teflon bailer. Development will be considered complete when water withdrawn from the well is visibly free of turbidity. Locking caps with locks will be used to secure the wells inside meter boxes installed within a concrete pad constructed at grade level.

Equipment used to install boreholes, construct temporary monitoring wells, and complete well development will be property decontaminated prior to each use. Decontamination procedures will be performed in accordance with M&A's approved Comprehensive Quality Assurance Plan (QAP) #870468-G on file with FDER in Tallahassee, Florida.

#### 4.3 Soil and Groundwater Sample Location and Justification

To comply with the PCAP requirements for evaluating soil in Areas 7 and 9, one soil sample will be collected from each. The samples will be collected from the location most likely to have been adversely impacted. These soil samples will be submitted for laboratory analyses as described below. One background soil sample will be collected at a suitable location, to be determined in the field. A total of three soil samples will be collected for laboratory analysis. Approximate soil sample locations are shown in Figure 4-1.

The soil in Area 12 will be screened with an OVA-FID in accordance with the procedures outlined in Chapter 17-770 FAC. The extent of excessively contaminated soil, as defined in Chapter 17-770 FAC, will be evaluated vertically and horizontally.

Groundwater flow direction for each area will be determined based on the surveyed groundwater levels. The flow direction will be determined by triangulation of the groundwater elevations in the temporary monitoring wells for each area. Based on groundwater flow direction, one groundwater sample will be collected from the downgradient temporary monitoring well at each area. One groundwater sample will all

be collected from the background temporary monitoring well. A total of four groundwater samples will be collected.

#### 4.4 Soil Boring Installation and Sampling Procedures

The following procedures will be used to collect soil samples for laboratory analysis. Soil samples will be collected as grab samples at approximately 0.5 to 1.0 ft bls. The stainless steel hand auger will be decontaminated prior to use at each boring location. An equipment rinseate will also be analyzed in accordance with M&A's QAP. Each soil sample will be placed in a properly identified laboratory supplied container. After collection, samples will be preserved on ice and forwarded via overnight delivery to a FDER-approved laboratory for analyses using appropriate chain of custody procedures. All soil sampling and decontamination procedures will be performed in accordance with M&A's approved Comprehensive QAP #870468-G.

#### 4.5 Groundwater Sampling Procedures

The following procedures will be used to collect groundwater samples for laboratory analysis. Prior to sampling, at least three well volumes of water will be purged from each well using peristalic pump with dedicated teflon tubing or a dedicated disposal teflon bailer. After well purging, samples will be collected from the wells and placed in appropriate laboratory-supplied containers. Equipment rinseate blanks will be prepared as necessary. After collection, samples will be preserved on ice and forwarded via overnight delivery to a FDER-approved laboratory for analyses using appropriate chain of custody procedures. Resumes of sampling personnel are presented in M&A's comprehensive QAP. Groundwater sampling protocol will be performed in accordance with M&A's approved Comprehensive QAP #870468-G.

#### 5.0 SAMPLE ANALYSES

#### 5.1 Laboratory Selection and Criteria

The laboratory selected to perform the analytical work for the Preliminary Contamination Assessment will be a reputable laboratory capable of performing the specified analysis in accordance with standards, methods, and practices exhibited in the FDER's Preliminary Contamination Assessment Action Rules. In addition, the selected laboratory must have a FDER-approved Generic Quality Assurance Project Plan (OAPP) or similar document that will outline sample handling and analytical procedures.

2.

Two laboratories that are being considered for the project are:

1. Analytical Technologies, Inc. 11 East Olive Road Pensacola, Florida 32514 (904) 474-1001

Contact: Ms. Suzanne Michelotti

Savannah Laboratories, Inc. 2846 Industrial Plaza Drive Tallahassee, Florida 32301 (904) 878-3994

Contact: Mr. Wayne Word

#### 5.2 Soil Analyses

A total of four soil samples will be collected at the MOBRO Marine facility. Analyses of soil samples will be specific for each of the required areas. The samples from Areas 7 and 9 will be analyzed by EPA Methods 8240, 8270 and the eight RCRA metals. The sample from Area 12 will be analyzed by EPA Methods 8010, 8020, 8270 and lead as specified in DER 17-770.600(8)(b) for the kerosene and mixed-product analytical groups. The background sample will be analyzed by EPA Methods 8240, 8270 and the eight RCRA metals.

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#### 5.3 Groundwater Analyses

A total of four groundwater samples will be collected from temporary monitoring wells at the MOBRO Marine facility. Analyses of groundwater samples will be specific for each of the required areas. The samples from Areas 7 and 9 will be analyzed by EPA Methods 8240, 8270 and the eight RCRA metals. The sample from Area 12 will be analyzed by EPA Methods 8010, 8020, 8270, and lead as specified in DER 17-770.600(8)(b) for the kerosene and mixed-product analytical groups. The background sample will be analyzed by EPA Methods 8240, 8270 and the eight RCRA metals. Appropriate QA/QC samples will be submitted in accordance with M&A's comprehensive QAP.

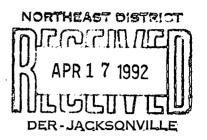
#### 6.0 PROJECT WORK SCHEDULE

The project schedule as detailed in Figure 6-1 covers a period of approximately six months, beginning with submission of the draft PCAP to the FDER and ending with final approval of the PCAR. The schedule includes allowances for FDER comments to draft documents and time responses to comments.

Field investigation are estimated to take no longer than two weeks. Three (3) weeks have been for receipt of analytical results from the laboratory.

# MOBRO MARINE, INC. PRELIMINARY CONTAMINANT ASSESSMENT PLAN PROJECT SCHEDULE

ACTIVITY	WEEKS
DESCRIPTIION	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28
DRAFT PCAP REVIEW BY FDER	
PCAP REVISIONS	
FDER FINAL REVIEW & APPROVAL	
FIELD INVESTIGATIONS	
LAB ANALYSES	
DRAFT PCAR & SUBMIT TO FDER	
PCAR REVIEW BY FDER	
PCAR REVISIONS	
FDER FINAL APPROVAL	
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## HAZARDOUS WASTE CONTINGENCY PLAN PRELIMINARY DRAFT

#### PREPARED FOR:

MOBRO Marine, Inc. State Road 16 Green Cove Springs, Florida

#### PREPARED BY:

Missimer & Associates, Inc. 8130 Baymeadows Way West, Suite 104 Jacksonville, Florida 32256

April 17, 1992

M&A Project Number JE1-559

Control Number 1061

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#### 1.1 APPLICABILITY, PURPOSE AND IMPLEMENTATION (40 CFR 265.50.51)

The information has been prepared in accordance with the requirements for Contingency Plan and Emergency Procedures as outlined in the Code of Federal Regulations (CFR), Title 40, Part 265 Subpart D. The plan addresses the actions that are to be taken in the event of a fire, explosion of any unplanned sudden or non-sudden release of hazardous substances or constituents to air, soil, or surface water which could threaten human health or the environment.

#### 1.2 **CONTENT OF THE PLAN (40 CFR 265.52)**

The plan and the emergency response procedures (ERPs) provide direction for response to emergencies. These emergencies may vary in severity from minor personnel injuries to situations involving real or potential off-site chemical releases. In the event of an emergency, the procedures outlined in this Plan must be implemented.

#### **FACILITY DESCRIPTION**

This contingency plan has been developed for:

MOBRO Marine, Inc. State Road 16 Green Cove Springs, Florida

MOBRO Marine, Inc. is the "Owner" and "Operator" of the facility. This facility, in Clay County, Florida and is located north of State Road 16 in Green Cove Springs.

This facility functions as both a marine repair and crane maintenance facility. The only hazardous waste constituents produced by on-site operations are spent paint and thinner and their residues and minute quantities of diesel from gas freeing operations.

Insert Figure 1.2

#### **HAZARDOUS WASTE GENERATION**

The MOBRO facility is classified as a small quantity generator. The limit is established in the 1984 amendments to the Resource Conservation and Recovery Act (RCRA). The facility is not a Treatment, Storage or Disposal (TSD) facility and is not subject to TSD regulations. Hazardous wastes are not stored longer than 90 days.

For identifying purposes, Florida Department of Environmental Regulation (FDER), through coordination with the U.S. Environmental Protection Agency (EPA), has assigned EPA I.D. No. FLD081946105. Implementation and modifications of current procedures will produce no more than 55-gallons of hazardous waste per month.

#### 1.4 EMERGENCY COORDINATOR (40 CFR 265.55)

In the event of an emergency, the Emergency Coordinator will be the Yard Superintendent (or, in his absence, a Relief Supervisor acting as Yard Superintendent), who will be notified immediately. An Emergency Coordinator will be onsite at all times. In the event of an emergency, the employee who discovers the emergency will immediately notify the Yard Superintendent.

In the event of an emergency or a reportable release, the Emergency Coordinator will notify the following:

Yard Superintendent, Harry Baxley, Ext. 9670 3469 County Road 220 Middleburg, Florida 32068 Home Telephone Number 282-1338

The person listed above has been authorized by MOBRO to coordinate emergency response measures and to commit the resources necessary to implement the Plan as he is familiar with this Plan, with the operations and activities at the facility, with the location and characteristics of the hazardous substances handled, and with the layout of the facility.

If the emergency involves fire, explosion, and/or personal injury, the Yard Superintendent will immediately dial 911. Upon placing the initial call to 911 the following agencies will automatically be called on all hazardous materials incidents:

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- a) Fire Department, Emergency Medical Services
- b) Police/Sheriff's Department
- c) Bio-Environmental Services Division
- d) U.S. Coast Guard

Additional support agencies will be notified, as necessary, by the initial responding agency. The Green Cove Springs Fire Department has the authority to assume command of any hazardous material incident. A communication reference list is provided in Table 1.2, however, the initial call for assistance need only be to 911. Notification to appropriate environmental agencies may be required; see Section 1.4.

TABLE 1.2: EMERGENCY COMMUNICATIONS LIST

EMERGENCY	ORGANIZATION/AGENCY	TELEPHONE NUMBER
INJURY	EMERGENCY MEDICAL SERVICES HUMAN HOSPITAL LIFE FLIGHT (JAX) POISON CONTROL (JAX)	911 276-8580 1-800-396-LIFE 387-7500
FIRE/EXPLOSION	GREEN COVE SPRINGS FIRE DEPT.	911 284-9073
OBTAIN ADDITIONAL FOAM, DRY CHEMICAL OTHER EQUIPMENT	JAX INTL. AIRPORT FIRE DEPT. U.S. NAVY-SEA BASE COMMAND ASW/LANT DUTY OFFICER	757-2219/757-2251 772-2746 (DAY) 772-2338 (EVE)
EXPLOSIVE DISPOSAL	FLORIDA AIR NATIONAL GUARD	757-1360
HAZARDOUS MATERIAL SPILL OR RELEASE	EPA NATIONAL RESPONSE CTR. FL DEPT. ENVIRON. REGULATION CHEMTREC LOCAL EMER. PLAN COMM (LEPC) STATE EMER. RESP. COMM (SERC) STATE WARNING POINT NUMBER	1-800-424-8802 798-4200 1-800-424-9300 730-6260 1-800-635-7179 1-488-1320
IF SPILL REACHES NAVIGABLE WATER, STREAMS	U.S. COAST GUARD U.S. COAST GUARD FLORIDA MARINE PATROL	791-2648 (DAY) 246-7341 (EVE) 241-7107
CIVIL DISTURBANCE	CLAY COUNTY SHERIFF'S OFFICE	284-7575

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#### 1.5 NOTIFICATION [40 CFR 265.56(a), 265.56(d)(1), 265.56(d)(2)]

If the Emergency Coordinator determines that the facility has had a release, fire, or explosion which could threaten human health or the environment outside the facility, he or she will report findings as follows:

- 1. If the initial assessment indicates that evacuation of local areas may be advisable, the Emergency Coordinator will immediately notify appropriate local authorities AT 911.
- 2. The Emergency Coordinator will immediately notify either the government official designated as the on-scene coordinator for that geographical area or the National Response Center [using its 24-hour toll free number 1-800/424-8802)]. The report will include:
  - a. Emergency Coordinator name and telephone number;
  - b. Name and address of facility;
  - c. Time and type of incident (e.g., release, fire);
  - d. Names and quantities of material(s) involved, to the extent known;
  - e. The extent of injuries, if any; and
  - f. The possible hazards to human health or the environment outside the facility.

Any emergency event (e.g., fire, explosion, spill, etc.) that requires implementation of the Contingency Plan and involves reportable quantities of hazardous materials shall be reported in writing to the EPA Regional Administrator by the Emergency Coordinator within 15 days after the incident. A copy of this form and the mailing address of the Regional Administrator is found in Appendix A. A telephone report to the National Response Center (NARC) is also required at the time of the incident. A copy of this form, found in Appendix A, must be completed and retained at MoBro when the NARC is notified. Appendix B contains the Federal list of reportable quantities (RQ) for hazardous substances.

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## 1.6 <u>IDENTIFICATION OF HAZARDOUS MATERIALS AND HAZARD ASSESSMENT [40 CFR 265.56(b)]</u>

The Emergency Coordinator will be responsible for the assessment of possible hazards to human health or the environment. This assessment will be based on the nature of the emergency (e.g., spill, fire), the extent of the release, and the types and locations of the materials involved. The Emergency Coordinator will determine the effects of any toxic, irritating, or asphyxiating gases released or the effects of any surface runoff of water and chemicals used to control fire.

In order to provide adequate initial response to a spill, the collection and distribution of key information is essential. The following information must be obtained from the individual who first reports the incident in order to begin the assessment process and formulate the necessary response.

### Initial Hazard/Incident Assessment

- Obtain the reporter's name and telephone number
   If the spill is of significant magnitude, maintain an open line to the site.
- 2. Identify the type and amount of the spill material

  If the spilled material has not been identified, solicit data from shipping labels, manifests, or product container labels. Alternatively, request information on container type, container description, size, etc. Estimate the volume of material released.
- 3. Determine the exact location and extent of the spill

  Identify the products if the spill extends to a water body or if the spill has
  the potential for escaping the facility. Note whether the spill has been
  contained or confined to an impermeable surface.

- 4. Establish the nature of the problem and the time of the spill event

  Supplemental notifications may be required if safety or security conditions indicate the presence of or potential for injuries, fire, etc.
- 5. Determine emergency response and cleanup procedures
  Provide for safety and containment. For first reference, see the
  Department of Transportation (DOT) Hazardous Materials Emergency
  Response Guidebook or Spill Control Plan. If necessary, contact
  ChemTrec.
- Assess the need for assistance
   Coordinate requests for outside assistance with management and plant supervisory personnel.

#### 1.7 PLAN IMPLEMENTATION

The decision to activate the Contingency Plan has been assigned to the Emergency Coordinator. That decision shall be based upon an "imminent" or "actual" threat to the human health or environment. Imminent shall mean "likely to happen" in the Coordinator's judgment. Whenever there is an imminent or actual emergency situation, the Emergency Coordinator will immediately respond according to the Contingency Plan.

The following guidance is intended to facilitate the Emergency Coordinator's decision to initiate the Contingency Plan and Emergency Procedures. The Plan shall be implemented on occurrence of any of the following events:

#### Fire and/or Explosion:

- Fire cannot be extinguished with a single hand-held fire extinguisher.
- Release of toxic fumes. Potential to ignite materials at other locations onsite or could cause heat-induced explosions.
- Use of water or water and chemical fire suppressant could contaminate run-off.
- Imminent danger exists that an explosion could occur, causing a safety hazard because of flying fragments or shock waves.
- Imminent danger exists that an explosion could ignite other hazardous wastes at the facility.
- Imminent danger exists that an explosion could result in a release of toxic material(s).
- An explosion has occurred.

#### Bomb Threat

- Bomb threat called in or delivered to facility.
- Bomb threat called in or delivered to local fire or sheriff's department implicating the facility.

## Spill or Materials Release:

- Release of flammable or explosive liquids or vapors.
- Release of toxic liquids or fumes.
- Potential for ground water contamination.
- Potential for soil contamination and/or ground or surface water pollution.

#### Floods

- Potential for surface water contamination.
- Potential for ground water contamination.

#### 1.8 EMERGENCY RESPONSE PROCEDURES (40 CFR 265.56)

The Emergency Coordinator will take all reasonable measures to ensure that the emergency, of whatever nature, does not spread and become more acute and to guard against the development of unforeseen dangerous conditions. He/she will ensure that the system is completely shut down and will help in coordinating any fire-fighting operations that are necessary. In the event of a spill, he/she will immediately shut down any equipment and take steps to contain the material and repair the leak or other source of spill.

If a fire caused by ignition or explosion is relatively small, it may be contained, controlled, or extinguished by the use of portable fire extinguisher, directing the extinguisher stream to the base of the flames. The City Fire Department must be called, (911), to respond to any plant fires that cannot be extinguished within the first few minutes. It is not the intent of plant personnel to fight major fires, but only to fight fires in the incipient stage and then to assist the city in any way possible.

#### Bomb Threat

The Yard Superintendent shall implement the following measures to protect plant personnel and equipment:

- Sound the alarm
- Institute evacuation procedure as needed
- Notify local fire and sheriff's departments at 911

The Emergency Coordinator will determine the magnitude of the threat based on the following information:

- Imminent hazard to employees;
- Potential to cause spill or release of hazardous materials to the environment:
- Potential for spread to offsite areas.

## Spill or Materials Release

The Yard Superintendent shall implement the following measures to halt and/or contain the release:

- Controlling the leaking source;
- Applying oil absorbent sheets and/or pigs on the spill; and
- Blocking off nearby storm drains to prevent discharge to surface water.

The Emergency Coordinator will determine the magnitude of the incident based on the following information:

- Nature and characteristic of spill and/or release;
- Location and effective extent of incident;
- Quantity spilled and/or released;
- Direction in which the spill or release is migrating;
- Extent of personnel injuries; and
- Potential and/or intensity of the event.

Some of the hazardous substances are solid. A solid material, if spilled, may be returned to the same type of container in which it was originally contained, or in an emergency, any open-top steel drum.

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Hazardous liquids, if spilled, may be returned to their original container or a similar container, unless contamination is a problem. Any contaminated released liquid material will be pumped or absorbed with granulated absorbent or booms. In general, any hazardous liquid may be recovered in a stainless steel tote tank, or open-top steel drum pending further disposition by supervisors trained in hazardous waste disposal.

### WASTE INCOMPATIBILITY [40 CFR 265.56 (h)(l)]

No waste that may be incompatible with the released material is treated, stored, or disposed of until cleanup procedures are completed.

## POST EMERGENCY EQUIPMENT MAINTENANCE [40 CFR 265.56 (h)(2)]

Any equipment used in the control of a release will be cleaned and all contamination removed from the equipment before operations are resumed. Any contaminated materials which cannot readily be decontaminated will be disposed with the material from the release. The Emergency Coordinator will notify the appropriate state and local authorities that the cleanup is complete prior to the restart of operations.

## CONTAINER SPILLS AND LEAKAGE (40 CFR 265.171)

Any materials released from the accumulation or storage of drums will be handled as described in Section 1.9. The material remaining in the container will be transferred to a structurally sound drum or to the emergency standby hazardous waste drum reserved for that purpose. The leaking container will be disposed in an appropriate manner.

#### FLOOD RESPONSE

Should rising water become a problem, the Shift Superintendent shall implement the following measures:

- Instituting water diversion measures, i.e., trenching, berms, etc.
- Movement of equipment onto wooden pallets or away from floodwaters as appropriate.
- Shutting down exposed electrical equipment.
- Movement of chemicals and hazardous materials away from floodwaters.

#### 1.9 GENERAL PROCEDURES (40 CFR 265.56)

In the event of an emergency, the Emergency Coordinator will assess the situation and determine the facility's emergency response capabilities. The Coordinator will deploy the necessary in-plant personnel and contact the outside agencies as required. Refer to Table 1.2 for the Emergency Communications List.

In case of fire, supervisors of unaffected areas will stay with their personnel and be ready to evacuate and account for the persons under their supervision.

The Emergency Coordinator has the responsibility for determining when the fire has been extinguished or the emergency condition is declared under control and the safety of personnel is no longer jeopardized. He will consult with the local fire department responding team to determine that the emergency has passed before declaring the situation under control. All used emergency equipment must be cleaned and fit for use prior to resumption of plant operations in the affected areas. The Emergency Coordinator is responsible for coordinating all cleanup operations and restoring the affected areas.

## Fire and/or Explosion

The paint flammables storage on the northern portion of the site (near the river) can be easily accessed by fire fighting and other emergency vehicles and equipment. Roads must remain clear at all times. Access to the paint locker in the crane shop is more limited. Adequate storage and aisle space must be maintained to allow unobstructed movement of personnel and fire protection equipment. During an emergency, the Green Cove Springs Fire Department will be called to respond to any plant fire that cannot be extinguished within the first few minutes. It is not the intent of the facility personnel to fight major fires, but only fires in the initial stage and then to assist the city fire department.

During power failures or severe weather, fire response personnel will be assigned to protect personnel and property. In the event of a fire, the response team will focus on preventing the fire from spreading.

The following actions are required in affected areas:

- Immediately discontinue all hazardous work and cease pumping any flammable liquids in the area;
- De-energize all affected equipment;
- Contact the Emergency Coordinator;
- Clear the area of all non-essential personnel. These persons are to report to their designated rally points (Appendix E) for accountability.
- Do not move an injured person until an emergency medical team reaches the scene unless there is a significant risk of further injury related to the emergency; and
- Administer first aid while waiting for the emergency medical team. A current list of personnel trained in first aid, CPR, or both is posted in the main office.

Because fire is always a potential hazard in spills of flammable materials, possible sources of ignition must be eliminated. During any spill event, vehicular traffic and hazardous work in the area will cease until the spill is contained and a safe environment is restored.

If a highly flammable material is released (e.g., natural gas), the Clay County Sheriff's Department will be notified. The Sheriff's Department will then notify all persons within at least a quarter-mile radius of the release. All ignition sources within the release area will be eliminated. Electrical devices will be turned off. The use of motor vehicles in the vicinity of the release will be restricted or eliminated to avoid ignition of the vapor, and resulting flashback which could cause an explosion or fire of wide dimensions at the source. If the chances of an impending explosion are significant, the entire area within a 2,000-ft radius of the source will be evacuated.

If a fire is involved and is concentrated at the source, people will be evacuated up to a half-mile downwind.

Area or plant evacuation will be necessary in the event of a major fire or explosion. The telephone activated public address (P.A.) system will be used if it is functioning. If not, the response team will be responsible for coordinating communication via 2-way radios. All personnel have been trained in evacuation procedures and means of exit from their respective work areas (Appendix F). The procedures are routinely reviewed during fire drills which are conducted a minimum of two times a year.

Until evacuation is signaled, by fire alarm, P.A. system or voice, personnel who are not in an affected area will stay in their respective work areas. Contract personnel and visitors will immediately be cleared from the area at the first sign of an emergency or spill condition.

### Bomb Threat

The procedures to be followed upon receipt of a bomb threat are similar to those followed for Fire and/or Explosion. Aisles and roadways must be kept clear at all times to facilitate movement by fire fighting and other emergency vehicles and equipment. Adequate storage and aisle space must be maintained at all times to allow unobstructed movement of personnel and fire protection equipment.

The following actions are required:

- Immediately discontinue all hazardous work and cease pumping any flammable liquids;
- De-energize all equipment;
- Contact the Emergency Coordinator;
- Clear the area of all non-essential personnel. These persons are to report to their designated rally points (Appendix E) for accountability.

Plant evacuation will be necessary in case of a bomb threat. The telephone activated public address (P.A.) system will be used if it is functioning. If not, the response Team will be responsible for coordinating communication via 2-way radios. All personnel have been trained in evacuation procedures and means of exit from their respective work areas (Appendix F). These procedures are routinely reviewed during fire drills which are conducted a minimum of two times a year.

### Spill or Materials Release

Anyone who discovers a chemical spill will immediately report it to the Shift Superintendent. Immediately following spill or leak detection, facility personnel will attempt to stop the leak or spill in progress. In the event toxic material is discovered migrating offsite, the Emergency Coordinator will notify, as necessary, the appropriate agencies listed in Table 1.2.

If a chemical spill is not contained within a dike or sump area, an area of isolation will be established around the spill. The size of the area will generally depend on the size of the spill and the materials involved. If the spill is large, an initial isolation of at least 100 feet in all directions is recommended to allow cleanup, repair and to prevent exposure. When any spill occurs, only those persons involved in overseeing or performing emergency operations will be allowed within the designated hazard area. If possible the area will be roped or otherwise blocked off.

If the control and cleanup of a spill, release, or fire is within the capabilities of company personnel and local response teams, the Florida Department of Environmental Regulations or the National Response Center will not be notified unless the quantity of hazardous material spilled is equal to or greater than the reportable quantity specified under 40 CFR Part 117.

If the Emergency Coordinator determines that the company is unable to handle the emergency, then local, state, and Federal Authorities will be notified of the situation.

Evacuation of potentially affected plant areas will begin as soon as possible.

For all large spills or serious leaks the following guidelines will be followed as closely as possible:

- 1. If a leak develops or a spill occurs the person discovering the discharge will leave the immediate area and contact the Emergency Coordinator. The Emergency Coordinator will obtain the following information:
  - a. Person(s) injured and seriousness of injury.
  - b. Location of the spill or leak, material involved, and source (tank, pipeline, etc.).
  - c. The approximate amount spilled, estimate of the liquid discharge rate, and the direction the liquid is moving.
  - d. Whether or not a fire is involved.
- 2. Next, the Emergency Coordinator will:
  - a. Evacuate the hazardous area as needed. For small spills or leaks, isolate at least 50 feet in all directions. For large spills, initially isolate at least 100 feet in all directions.
  - b. Obtain medical attention for any injured persons. It may be helpful to instruct the caller in the initial first aid procedures. Then call the hospital.
  - c. Call the fire department if a fire is involved that cannot be extinguished by plant personnel.
  - d. Dispatch emergency personnel to the site to take the appropriate action.
  - e. Contact the proper authorities (Table 1.2) if the spill or release is large. If a large spill occurs, the initial evacuation area downwind should be 1000 feet long by 500 feet wide.

## 3. Cleanup personnel will:

- a. Make sure all unnecessary persons are removed from the hazard area.
- b. Put on protective clothing and equipment.
- c. Remove all ignition sources, and use spark and explosion proof equipment and clothing in containment and cleanup.
- d. If possible try to stop the leak. Special materials will be kept on hand for temporary repairs.
- e. Remove all surrounding material that could be especially reactive with materials in the waste. Determine the major components in the waste at the time of the spill.
- f. Use absorbent pads, booms, earth, sand, and other inert materials to contain, divert, and clean up a spill if it has not been contained by a dike or sump. Most spills contained within the dike or sump can be pumped back into the appropriate storage tank or drum.
- g. In the event an oil spill occurs, the contents of the ditch will be pumped to the industrial waste water treatment facility for retention and separation.
- h. Place all containment and cleanup materials in drums for proper disposal.

  Some items, such as absorbent rags or booms may have to be cut up.
- i. Place all recovered liquid wastes and contaminated soil in drums for removal to an approved disposal site.

The Emergency Coordinator will determine whether or not the spill has exceeded a "reportable quantity", as established by the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) (refer to Appendix B). If the spill exceeds a reportable quantity, the Emergency Coordinator should contact the National Response center at 800/424-8802. Also, the information in Appendix A, Page A-1, must be reported by telephone at this time. This form should be signed by the Emergency Coordinator with the original retained indefinitely in a secure file and a copy submitted to the Shift Supervisor.

The Emergency Coordinator will conduct an investigation to determine the cause of the spill and corrective action necessary to prevent future incidents. Investigative findings and proposed action will be documented in a report which shall be retained indefinitely by the Plant Manager.

## Prevention of Recurrence or Spread of Fires, Explosions or Releases

Actions to prevent the recurrence or spread of fires, explosions, or releases, include stopping processes and operations, collecting and containing released waste, and recovering or isolating containers.

## Storage and Treatment of Released Material

Immediately after an emergency, the Emergency Coordinator will make arrangements for treatment, storage or disposal of recovered waste, contaminated soil, surface water or any other contaminated material.

#### Post-Emergency Equipment Maintenance

After an emergency event, all emergency equipment will be cleaned so that it is fit for use or it will be replaced. Before operations are resumed, an inspection of all safety equipment will be conducted. The Regional Administrator, state, and local authorities will be notified that post-emergency equipment maintenance has been performed and operations will be resumed.

#### 1.9 EMERGENCY EQUIPMENT/SYSTEMS [40 CFR 265.52 (e)]

Emergency equipment consists of hand held fire extinguishers, a stationary fire pump located on the river near the 2-story office, spill control equipment decontamination, safety, and a plant wide communication system plus alarms. A brief outline of the location and capabilities of each of these follows.

## Fire Extinguishing System

Locations of plant fire extinguishers are shown in Figure 1-3.

## Spill Control

Equipment for use in containing and cleaning up spilled hazardous wastes is stocked and maintained in area D as shown in Figure 1-3. This consists of granulated spill absorbent, portable pumps, absorbent pails, and absorbent booms. In addition, empty DOT-approved 55-gallon hazardous waste drums are available in the plant with dedicated shovels and brooms.

## 1.11 COORDINATION AGREEMENTS [(40 CFR 265.52 (c)]

MOBRO Marine has made the following arrangements to facilitate the response to emergency situations:

Copies of the Contingency Plan will be given to the local police, fire department, the hospitals, and the state and local Emergency Response Teams. These agencies will be asked to review and comment on the Plan and to detail the actions they will take in an emergency situation.

- Copies of the letters accompanying the Contingency Plan and inviting the above agencies to visit the facility are provided in Appendix G.
- The purpose of these visits was to familiarize police, fire departments, and emergency response teams with the layout of the facility and associated hazards, places where facility personnel would normally be working, entrances to roads inside the facility, and possible evacuation routes. Agreements are in effect with others to provide support as needed.
- A copy of Material Safety Data Sheets (MSDSs) for all of the chemical products used by Mobro will be sent to the Company Doctor:
- Copies of the MSDSs will be sent to the local fire department as well as the Florida Department of Environmental Regulation.

#### 1.12 **EVACUATION PLAN [40 CFR 265.52 (f)]**

All emergencies require prompt and deliberate action. In the event of any major emergency it will be necessary to follow an established set of procedures. Evacuation of the plant in the event of a large fire or release of hazardous materials shall be determined by:

Plant Manager
Emergency Coordinator
Operations Manager
Green Cove Springs Fire Department

Notice to evacuate will be given using telephone and building intercom systems.

Persons advised to evacuate should proceed immediately to designated assembly points. Persons should remain at the assembly points until accounted for and released to go home or notified that it is safe to return to work.

With very few exceptions, the only immediate major hazard, that would require any degree of retreat, would be a fire. As buildings are open and storage tanks are located in open areas, there are no locations where personnel would potentially be trapped. What is required is for personnel to retreat a safe distance from the point of fire and safely make their way to their designated rally point.

A typical evacuation route and the rally points for the different departments are designated on the site plan in Appendix E.

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#### 1.13 COPIES OF CONTINGENCY PLAN (40 CFR 265.53)

A copy of the contingency plan and all revisions to the plan must be:

- (a) Maintained at the facility; and
- (b) Submitted to all local police departments, fire departments, hospitals, and state and local emergency response teams that may be called upon to provide emergency services.

## 1.14 AMENDMENTS TO THE CONTINGENCY PLAN (40 CFR 265.54)

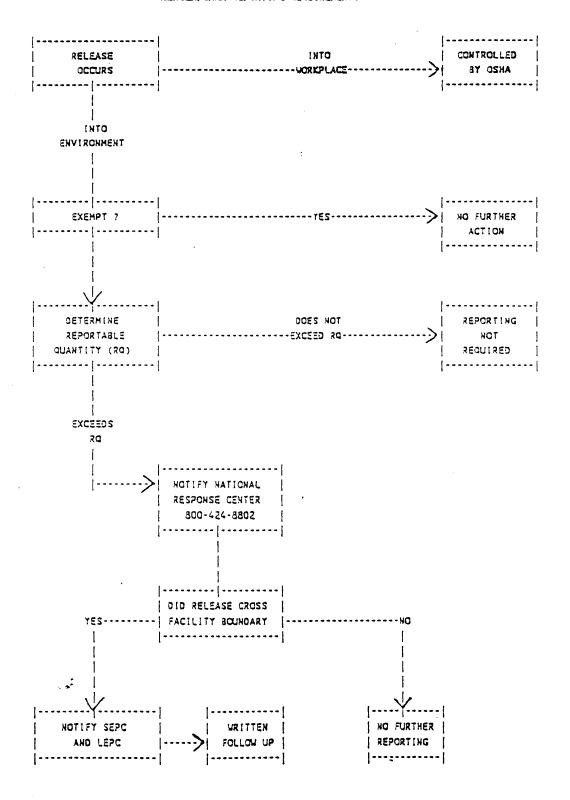
The Contingency Plan will be reviewed and immediately amended, as necessary whenever:

- The plan fails in an emergency.
- The facility significantly modifies its design, construction, operations, maintenance, or other circumstances in a way that materially increases the potential for fires, explosions or releases of hazardous waste or hazardous waste constituents, or changes in the response necessary in an emergency.
- The list of Emergency Coordinators changes.
- The list of emergency equipment changes.
- The list of hazardous materials changes.

APPENDIX A EMERGENCY REPORTING FORMS

MOBRO Marine, INC.

#### CERCLA/SARA REPORTING REQUIREMENTS



# REPORT OF HAZARDOUS SUBSTANCE RELEASE (REF: "SUPERFUND ACT" OF 1980

Name:  Title:  Data:  Name(s) and estimated amount(s) of hazardous substance(s) ("Superfund definition) released:  3. Geographical location of release:  4. Listing used to classify material released as hazardous (e.g., CWA Section 311, 3 Section 3001, atc.):  5. The reportable quantity(ies) for substance(s) involved:  6. Release was to (air, water, ground):  7. Data, time, and duration of release:  8. Cause of release:  9. Remedial actions taken to control, and/or mitigate the effects of, the release:  10. Name and title of person at NRC to whom report was made:  11. Other regulatory groups contacted (if any:)  Data & Time:	l.	I. Telephoned report to NRC made by:	
Title: Location:  Data: Time:  2. Name(s) and estimated amount(s) of hazardous substance(s) ("Superfund definition) released:  3. Geographical location of release:  4. Listing used to classify material released as hazardous (e.g., CWA Section 311, 3 Section 3001, etc.):  5. The reportable quantity(ies) for substance(s) involved:  6. Release was to (air, water, ground):  7. Data, time, and duration of release:  8. Cause of release:  9. Remedial actions taken to control, and/or mitigate the effects of, the release:  10. Name and title of person at NRC to whom report was made:  11. Other regulatory groups contacted (if any:)  Data & Time:  Data & Time:  Data & Time:  Data & Time:			
2. Name(s) and estimated amount(s) of hazardous substance(s) ("Superfund definition) released:  3. Geographical location of release:  4. Listing used to classify material released as hazardous (e.g., CWA Section 311, 3 Section 3001, etc.):  5. The reportable quantity(ies) for substance(s) involved:  6. Release was to (air, water, ground):  7. Date, time, and duration of release:  9. Remedial actions taken to control, and/or mitigate the effects of, the release:  10. Name and title of person at NRC to whom report was made:  11. Other regulatory groups contacted (if any:)  12. Other regulatory groups contacted (if any:)  13. Other control of hazardous substance(s) involved:  14. Other regulatory groups contacted (if any:)  15. Oate & Time:  16. Oate & Time:  17. Oate & Time:  18. Oate & Time:  19. Oate & Time:		Title: Location:	
released:  3. Geographical location of release:  4. Listing used to classify material released as hazardous (e.g., CWA Section 311, 3 Section 3001, etc.):  5. The reportable quantity(ies) for substance(s) involved:  6. Release was to (air, water, ground):  7. Data, time, and duration of release:  8. Cause of release:  9. Remedial actions taken to control, and/or mitigate the effects of, the release:  10. Name and title of person at NRC to whom report was made:  11. Other regulatory groups contacted (if any:)  Oute & Time:  Oute & Time:  Oute & Time:  Oute & Time:			
4. Listing used to classify material released as hazardous (e.g., CWA Section 301, 3 Section 3001, etc.):  5. The reportable quantity(ies) for substance(s) involved:  6. Release was to (air, water, ground):  7. Data, time, and duration of release:  8. Cause of release:  9. Remedial actions taken to control, and/or mitigate the effects of, the release:  10. Name and title of person at NRC to whom report was made:  11. Other regulatory groups contacted (if any:)  Date & Time:  Date & Time:  Date & Time:	2.		rition)
Section 3001, etc.):  5. The reportable quantity(ies) for substance(s) involved:  6. Release was to (air, water, ground):  7. Date, time, and duration of release:  8. Cause of release:  9. Remedial actions taken to control, and/or mitigate the effects of, the release:  10. Name and title of person at NRC to whom report was made:  11. Other regulatory groups contacted (if any:)  Date & Time:  Date & Time:  Date & Time:	3.	3. Geographical location of release:	<b>N</b>
6. Release was to (air, water, ground):  7. Date, time, and duration of release:  8. Cause of release:  9. Remedial actions taken to control, and/or mitigate the effects of, the release:  10. Name and title of person at NRC to whom report was made:  11. Other regulatory groups contacted (if any:)  Date & Time:  Date & Time:	4.		311, RCF-
7. Date, time, and duration of release:  8. Cause of release:  9. Remedial actions taken to control, and/or mitigate the effects of, the release:  10. Name and title of person at NRC to whom report was made:  11. Other regulatory groups contacted (if any:)  12. Date & Time:  13. Date & Time:	5.	5. The reportable quantity(ies) for substance(s) involved:	
8. Cause of release:  9. Remedial actions taken to control, and/or mitigate the effects of, the release:  10. Name and title of person at NRC to whom report was made:  11. Other regulatory groups contacted (if any:)  Date & Time:  Date & Time:  Date & Time:	6.	6. Release was to (air, water, ground):	
9. Remedial actions taken to control, and/or mitigate the effects of, the release:  10. Name and title of person at NRC to whom report was made:  11. Other regulatory groups contacted (if any:)  Date & Time:  Date & Time:	7.	7. Date, time, and duration of release:	
10. Name and title of person at NRC to whom report was made:  11. Other regulatory groups contacted (if any:)  Date & Time:  Date & Time:	٤.	8. Cause of release:	
11. Other regulatory groups contacted (if any:)  Date & Time:  Date & Time:	9.		
Date & Time:  Date & Time:  Date & Time:	10.	LO. Name and title of person at NRC to whom report was made:	
Date & Time:  Date & Time:	11.	11. Other regulatory groups contacted (if any:)	
Date & Time:			
Annaund:		Oate & Time:	
WIDLOAGT:		Approved:	

EMERGENCY COORDINATOR

## REPORTING FORM FOR EMERGENCY EVENTS

Name, Address and Phone Number of Owner Operator	
	· ·
Name, Address and Phone Number of Facility	
Data, Time and Type of Incident (e.g., Fire Explosion, etc.)	
Name and Quantity of Material(s) Involved	
Extent of Injuries (if any)	
Assessment of Actual or Potential Hazards to Human Health or the Environ	men t
(If applicable)	
·	
Estimated Quantity and Disposition of Material Recovered From the Incide	nt
Sent to: (Name) -	

Regional Administrator U.S. EPA, Region IV 345 Courtland Street, N.E. Atlanta GA 30365

## APPENDIX B TABLE 302.4

## LIST OF HAZARDOUS SUBSTANCES

AND

REPORTABLE QUANTITIES

ENVIRONMENTAL PROTECTION AGENCY 40 CFR Part 302.4

## TABLE 302.4-UST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES-Continued

(Note: All Comments/Notes Are Located at the End of This Table)

İ			L	Stanuory		) Fie	NET BO
Hazardous Substance	CASRN	Regulatory Synonyms	AC.	Code f	RCRA elasw veomun	Category	Paunas (Kg)
The following spent non-naiogenaled solvents: xylene, acetone, ethyl acetale, ethyl benzane, ethyl ether, methyl isobutyl ketone, n-busyl alconol, cyclonexianone, and methanol: all spent solvent mixtures/ blends containing, before use, only the above spent non-naiogenated solvents; and all spent solvent mixtures/ blends containing, before use, one or more of the above non-naiogenated sol-							
vents, and a total of ten percent or more (by volume) of one or:							
a) Xylene (mixed)	1330207		1000	1,4	U239	įc	1000 (454
b) Acetone	67641		1-	4	_	0	5000 (2270
c) Ethyl acetate			1.000	4	U112	0	5000 (2270
d) Ethylbenzene	100414		1000	1.2	U117	3	1000 (454
(e) Ethyl ether(f) Methyl isoburyl ketone	50297 108101		,.		U161	10	5000 (2270
(g) n-Buryi alconoi			1.	4	UCCI	io	5000 (2270
h) Cyclonexanone	108941		1.	4	UC57	a	5000 (2270
(i) Methanol	67561		1.	4	U154	0	5000 (2270
FG04			10	4	F004	C	1000 (454
The following spent non-nalogenated sol- vents and the still bottoms from the re- covery of these solvents:				!			
(a) Cresqis/Cresylic acid	1319773		1000		UG52 .	C	1000 (454
(d) Nitropensene	98953		1000	1,2,4	U169	) C ,	1000 (45-4
F005			1.	1	FOCS	3	100 (45 4
The following spent non-halogenated sol- vents and the still bottoms from the re- covery of these solvents:							
(a) Toluene	108883		1000	1,2,4	U220	C	1000 (454
(d) Methyl athyl ketona	78933		1.	4	U159	0	5000 (2270
(c) Carbon disultide			5000		2022	3	100 (45.4
(d) Isooutanol				4		0	5000 (2270 1000 (454
(a) Pyricine	110861			-	h	A	10 (4.54
Wastewater treatment sludges from elec- tropiating poeragons except from the let- lowing processes; (1) sulfund acid anodi- izing of aluminum, (2) an plating on carbon stael. (3) and clating (segregated basis) on carbon steel. (4) aluminum or ano-aluminum plating on carbon steel. (5) cleaning/stroping associated with an, and and aluminum plating on carbon steel, and (6) chemical atoning and mill- ing of aluminum.							
F007			1.		F307	A	10 (4.54
Spent dyanide plaung bath solutions from			, ,		1	1	
electropiating operations.					1	1	}
F008	 		1-	4	F0C8	A	10 (4,54
Plating bath residues from the bottom of plating baths from electrodiating oper- ations where dyanides are used in the process.							
F009			1 1.	4	F009	A	10 (4.54
Spent stripping and cleaning bath solutions from electroplating operations where cyanides are used in the process.							
			1.		F010	A	10 (4.54
F010							10 (3.5
where cyanides are used in the process.	1		l	١.	5044	1.	
Spent cyanide solutions from sait bath out	<del> </del>		.  1°	1 1	Fatt	A	10 (4.54
deaning from metal heat feating oper- ations (except for precious metals heat feating spent dyanide solutions from salt		,					
bath pot cleaning).		1	1			1	1
F012		1	1		F012	1	10 (4.54

## TABLE 302.4--- UST OF HAZAROOUS SUBSTANCES AND REPORTABLE QUANTITIES--Continued

(Note: All Comments/Notes Are Located at the End of This Table)

.1.1-Trichloroethane .1.2-Trichloroethane .1.3-Trichloroethane .1.3-Tric	71558 79005- 79016 79016 94423 75694 67822 50660 33755 95954 88062 09198 95954 88062 23417 21448 88062 75503 99354 88062 75777 72571	Eltrana, 1.1,1-trichtoro- Medhyl chtorotom Eltrana, 1.1,2-trichtoro- Eltrana, 1.1,2-trichtoro- Eltrana, 1.1,2-trichtoro- Ethena, trichtoro- Trichtoroethylene Eltrana, trichtoro- Trichtoroethylene Eltrana, trichtoro- Trichtoroethene Medhanesustenyi chloride, trichtoro- Medhanesustenyi chloride, trichtoro- Medhanesustenyi chlorido- Phenol, 2.4,5-trichtoro- Phenol, 2.4,5-	1000 1000 1000 1000 1000 1000 1000 100	2,4 -2,4 1,2,4 -1,2,4 -1,4 1,2,4 -1,4 1,2,4 -1,4 1,2,4 -1,4 1,2,4 -1,4 1,2,4 -1,4 1,2,4 -1,4 1,2,4 -1,4 1,2,4 -1,4 1,2,4 -1,4 -1,4 -1,4 -1,4 -1,4 -1,4 -1,4 -1	RCRA Waste Number  U228 U227 U228 U228 P118 U121  U230 U231  U230 U231  U230 U231  U236 C002	Category  C B B B B C A A A A C C C C C C A A A C C C C	100 (45.4) 100 (45.4) 100 (45.4) 100 (45.4) 100 (45.4) 5000 (2270) 10 (4.54) 10 (4.54) 10 (4.54) 10 (4.54) 10 (4.54) 10 (4.54) 10 (4.54) 10 (4.54) 10 (4.54) 10 (4.54) 10 (4.54) 10 (4.54)
Inchloroethele Inchloroethele Inchloroethele Inchloroethele Inchloromethanesillenyi chloride Inchloromethanesillenyi chloromethanesillenyi chlo	79005- 79016 79016 79016 94423 75694 67822 50660 33788 33755 95954 88062 09198 95954 88062 23417 2148 75503 99354 82637 25727 72571 N.A. N.A. N.A. N.A. N.A.	Methyl chlorotom Ethane, 1,1,2-inchloro- Ethane, inchloro- Ethane, inchloro- Trichtoroethane Ethane, inchloro- Trichtoroethane Ethane, inchloro- Trichtoroethane Methane, inchloro- Methane, inchloroduoro-  Phanol, 2,4,5-inchloro- Phanol, 2,4,5-inchloro- Phanol, 2,4,5-inchloro- Phanol, 2,4,6-inchloro- Phanol, 2,4,6-inc	1000 1000 1000 1000 1000 1000 1000 5000 1	1,24 1,24 1,24 1,4 1,4 1,2,4 1,4 1,2,4 1,4 4,4 4,4	U227 U228 P118 U121 U230 U231 U231 U231 U234 U192 U235 U235 U238	88 8 80A AA: AACOBACAA 3	100 (45.4) 100 (45.4) 100 (45.4) 100 (45.4) 10 (4.54) 10 (4.54) 10 (4.54) 100 (45.4) 100 (45.4) 100 (45.4) 10 (4.54) 10 (4.54) 10 (4.54) 10 (4.54) 10 (4.54) 10 (4.54) 10 (4.54) 10 (4.54) 10 (4.54)
Inchloroethene Inchloroethylene Inchloromethanesullenyi chloride Inchloromethanesullenyi chloride Inchloromethanesullenyi chloride Inchloromethanesullenyi chloride Inchloromethanesullenyi chloride Inchloromethanesullenyi Inchloromethanesullenyi Inchloromethanesullenyi Inchloromethanesullenyi Inchloromethanesullenyi Institutional Institutional Inchloromethanesullenyi Institutional Instituti	79016 79016 79016 79016 79016 79016 79016 79016 79016 79016 99192 980954 88062 221448 975503 99354 231637 72571 N.A. N.A. N.A. N.A. N.A. N.A. N.A. N.A	Ethene, 1.1.2-Inchloro- Ethene, inchloro- Ethene, inchloro- Trichloroethene Ethene, inchloro- Trichloroethene Memanesulfenyi critoride, trichloro- Memane, inchlorofuoro-  Phenol, 2.4.5-Inchloro- Phenol, 2.4.6-Inchloro- Phe	1000 1000 1000 1000 1000 1000 1000 5000 1000	1,2,4 4 1,4 1,2,4 1,2,4 1,2,4 4 4 4	U228 U228 P118 U121 U230 U231 U230 U231 U230 U231 U230 U231	8 8 BOA AA: AACOBACAA B	100 (45.4) 100 (45.4) 100 (45.4) 100 (45.4) 100 (45.4) 5000 (2270) 10 (4.54) 10 (4.54) 10 (4.54) 10 (4.54) 10 (4.54) 10 (4.54) 10 (4.54) 10 (4.54) 10 (4.54) 10 (4.54) 10 (4.54) 10 (4.54) 10 (4.54)
Inchloroethene Inchloroethylene Inchloromethanesullenyi chloride Inchloromethanesullenyi chloride Inchloromethanesullenyi chloride Inchloromethanesullenyi chloride Inchloromethanesullenyi chloride Inchloromethanesullenyi Inchloromethanesullenyi Inchloromethanesullenyi Inchloromethanesullenyi Inchloromethanesullenyi Institutional Institutional Inchloromethanesullenyi Institutional Instituti	79016 79016 79016 79016 79016 79016 79016 79016 79016 79016 99192 980954 88062 221448 975503 99354 231637 72571 N.A. N.A. N.A. N.A. N.A. N.A. N.A. N.A	Ethens, incitiono- Trichioroethylens Ethens, incitiono- Trichioroethylens Ethens, incitiono- Trichioroethens Medianesustenyi cifloride, trichioro- Medianesustenyi cifloride, trichioro- Medianesustenyi cifloride, trichioro- Menol, 2.4.5-trichioro- Phenol, 2.4.5-trichioro-	1000 1000 1000 1000 1000 1000 1000 5000 1000	1,2,4 4 1,4 1,2,4 1,2,4 1,2,4 4 4 4	U228 U228 P118 U121 U230 U231 U230 U231 U230 U231 U230 U231	8 8 BOA AA: AACOBACAA B	100 (45.4) 100 (45.4) 100 (45.4) 100 (45.4) 10 (4.54) 10 (4.54) 10 (4.54) 100 (45.4) 100 (45.4) 100 (45.4) 10 (4.54) 10 (4.54) 10 (4.54) 10 (4.54) 10 (4.54) 10 (4.54) 10 (4.54) 10 (4.54) 10 (4.54)
inchloroethylene inchloromethaneswilanyi chloride inchloromethaneswilanyi chloride inchloromethaneswilanyi chloride inchloromenohoromethane inchloromenohoromethane inchloromenohoromethane inchloromenohoromethane inchloromenohoromethane inchloromenohoromethaneswilonate inchloromenohoromethaneswilonate inchloromenohoromethaneswilonate inchloromenohoromethaneswilonate inchloromethane inchloromethan	79016 94423 75694 67822 50660 33788 33755 95954 98062 93198 96954 98062 23417 21448 775503 99354 N.A. N.A. N.A. N.A. N.A. N.A. N.A. N.A	Trichtoroethylene Ethans, trichtoro- Trichtoroethane Mananesusterni critoride, trichtoro- Memane, trichtoro- Memane, trichtoro- Phenol, 2.4,5-trichtoro- Phenol, 2.4,5-trichtoro- Phenol, 2.4,5-trichtoro- Phenol, 2.4,5-trichtoro- Phenol, 2.4,5-trichtoro- Phenol, 2.4,5-trichtoro- Peraldernyde 1-Propanol, 2.1-dibromo-, phosonate ((3:1) 2.7-Naphmalenedsultomo acid, 3,3"-3,3"-di- metryi-(1,1"-bionomyl)-4,4"-diyil- bis(azo)   bis(5-amino-4-hydrony)-	1000 1° 10° 10° 10° 10° 10° 1000 5000 1000 1° 1° 1° 1°	1.24 4 4 1.24 1.24 1.24 1.4 1.4 4 4	U228 P118 U121 U230 U231 U231 U231 U231 U235 U235 U235	B BOA AA: AAGOBAGAA B	100 (45.4) 100 (45.4) 5000 (2270) 10 (4.54) 10 (4.54) 10 (4.54) 10 (4.54) 1000 (45.4) 1000 (45.4) 1000 (45.4) 1000 (45.4) 1000 (45.4)
Inchloromethanesulariyi chloride Inchloromethanesulariyi chloride Inchloromenofluoromethane Inchloromenofluoromenofl Inchloromenofl Inchlorom	94423 75694 67822 50860 33755 95954 88062 09198 96954 88062 231417 231417 231417 72571 N.A. N.A. N.A. N.A.	Ethens, incritoro- Trichtorosethene Medianesulterni critoride, trichtoro- Medianes, incritorofluoro- Mediane, incritorofluoro- Phenol, 2.4.5-incritoro- Phenol, 2.4.5-incritoro- Phenol, 2.4.5-incritoro- Phenol, 2.4.6-incritoro- Benzene, 1.3.5-innirro- Peraldenyde 1-Propanol, 2.3-dibromo-, phosonate ((3:1) 2.7-Naphmalenedisultomic acid, 3,3"-3,3"-di- metryl-(1,1"-bionony)-4.4"-diyi)- bis(azo) l'bis(5-amino-4-hydrony)-	10° 10° 10° 10° 10° 10° 1000 5000 1° 1° 1° 1° 1° 1° 1° 1°	1.4 1.2.4 1.2.4 1.2.4 4 4	P118 U121 U230 U231 U230 U231 U234 U192 U235 U235 U238	BOA AA: AACOBACAA B	100 (45.4) 5000 (2270) 10 (4.54) 10 (4.54) 10 (4.54) 10 (4.54) 1000 (45.4) 1000 (45.4) 100 (4.54) 100 (4.54) 100 (45.4) 100 (45.4)
Inchloromethanesulariyi chloride Inchloromethanesulariyi chloride Inchloromenofluoromethane Inchloromenofluoromenofl Inchloromenofl Inchlorom	94423 75694 67822 50860 33755 95954 88062 09198 96954 88062 231417 231417 231417 72571 N.A. N.A. N.A. N.A.	Trichtgraetiane Methanesustemy chloride, trichtgra- Methane, unchtorofluoro- Methane, unchtorofluoro- Phenot, 2,4,5-unchtoro- Phenot, 2,4,5-unchtoro- Phenot, 2,4,6-unchtoro- Phenot, 2,4,6-unchtoro- Berzone, 1,3,5-unitro- Peratemyde 1-Propanot, 2,3-dhramo-, phosonate ((3:1) 2,7-Naphtmatendisulforic acid, 3,3"-3,3"-di- methyl-1,1"-bionomyl-4,4"-diyli- bistazol lbist5-amino-4-hydrory)-	10 100 1000 1000 1000 1 100 1 1 1 1 1 1	1.4 1.2.4 1.2.4 1.2.4 4 4	U230 U231 U231 U231 U234 U192 U235 U235 U238	O A AA: AAGOBACAA B	10 (4.54) 10 (4.54) 10 (4.54) 10 (4.54) 10 (4.54) 10 (4.54) 10 (4.54) 100 (45.4) 10 (4.54) 10 (4.54) 10 (4.54) 10 (4.54)
Inchloromonofluoromethane Inchloromonofluoromethane ICI,3Trichlorophenol ICI,3Trichloro	75694 67822 50860 31788 31755 95954 88062 09198 95954 88062 21417 21448 775501 99354 81627 72571 N.A. N.A. N.A. N.A. N.A.	Memane, incitiorodiuoro- Phenol, 2,4,5-(ncitioro- Phenol, 2,4,5-(ncitioro- Phenol, 2,4,5-(ncitioro- Phenol, 2,4,5-(ncitioro- Phenol, 2,4,5-(ncitioro- Bertzene, 1,3,5-(ncitioro- Peraldenyde 1-Propanol, 2,1-(nbromo-, phosonate ((3:1) 2,7-(laphmatedisulfomo acid, 3,3*-(3,3	10 100 1000 1000 1000 1 100 1 1 1 1 1 1	1.4 1.2.4 1.4 1.2.1 1 1 4 4 4	U230 U231 U231 U231 U234 U192 U235 U235 U238	O A AA: AAGOBACAA B	10 (4.54) 10 (4.54) 10 (4.54) 10 (4.54) 10 (4.54) 10 (4.54) 10 (4.54) 100 (45.4) 10 (4.54) 10 (4.54) 10 (4.54) 10 (4.54)
Achtropheropherol  2.1,4-Trichtoropherol  2.1,5-Trichtoropherol  2.1,5-Trichtoropherol  2.1,5-Trichtoropherol  2.1,5-Trichtoropherol  2.4,5-Trichtoropherol  2.4,5-Trichtoropherol  3.4,5-Trichtoropherol  3.4,5-Trichtoropherol  3.4,5-Trichtoropherol  3.4,5-Trichtoropherol  4.5-Trichtoropherol  4.5-Tricht	67822 50660 33788 33785 95954 88062 231417 21417 21417 21417 215727 72571 N.A. N.A. N.A. N.A. N.A.	Phenol. 2.4.5-(nontoro- Phenol. 2.4.5-(nontoro- Phenol. 2.4.5-(nontoro- Phenol. 2.4.5-(nontoro- Phenol. 2.4.5-(nontoro- Paradanyde I-Propanol. 2.3-(abramo-, phosonate ((3:1) 2.7-(nannmalenedisulfonic acid. 3,3"-3,3"-di- metryl-(1,1"-(bionory))-4.4"-diyl)- bis(azo) (bis(5-amino-4-hydrory)-	10° 10° 10° 10° 10° 10° 10° 10° 10° 10°	1.4 1.2.4 1.4 1.2.4 1.7 1 4 4 4	U230 U231 U230 U231 U234 U192 U235 U238	A AA: AACOBACAA B	10 (4.54) 10 (4.54) 10 (4.54) 10 (4.54) 10 (4.54) 1000 (454) 100 (4.54) 100 (4.54) 100 (4.54) 100 (4.54) 100 (4.54)
2.3.4-Trichtorophenol 159: 2.3.5-Trichtorophenol 9: 2.3.5-Trichtorophenol 9: 2.3.5-Trichtorophenol 9: 2.4.5-Trichtorophenol 2.4.5-Trichtorophenol 2.4.5-Trichtorophenol 2.4.5-Trichtorophenol 9: 4.5-Trichtorophenol 9: 4.5-Trichtoro	50860 31738 31755 95954 88062 09198 95954 88052 21417 21448 21501 75503 95954 N.A. N.A. N.A. N.A. N.A. N.A. N.A. N.A.	Phenol, 2.4,6-inchloro- Phenol, 2.4,5-inchloro- Phenol, 2.4,6-inchloro- Benzene, 1,3,5-innimo- Peraldenyde 1-Propanol, 2,3-dibromo-, phosonate ((3:1) 2,7-Naphthalenedisulfonic acid, 3,31-3,31-di- methyl-1,11-biononyl-4,41-diyli- bis(azo) lbis(5-amino-4-hydroxy)-	10° 10° 10° 10° 10° 10° 10° 10° 10° 10°	1,2,4 1,2,4 1,2,4 1,7 1 1 1 1 4 4 4 4	U231 U230 U231 U234 U192 U235 U238	AA: AAGGBAGAA B	10 (4.54) 10 (4.54) 10 (4.54) 10 (4.54) 10 (4.54) 1000 (45.4) 10 (4.54) 10 (4.54) 10 (4.54) 10 (4.54)
2.3.5-Trichlorophenol 93 2.3.5-Trichlorophenol 93 2.4.5-Trichlorophenol 93 2.4.5-Trichlorophenol 94 2.4.5-Trichlorophenol 94 2.4.5-Trichlorophenol 95 2.5-Trichlorophenol 95 2.5-Trichl	33788 33755 95954 88062 09198 96954 88062 23417 21448 775503 99354 23637 25727 72571 N.A. N.A. N.A. N.A. N.A. N.A.	Phenol, 2.4,6-inchloro- Phenol, 2.4,5-inchloro- Phenol, 2.4,6-inchloro- Benzene, 1,3,5-innimo- Peraldenyde 1-Propanol, 2,3-dibromo-, phosonate ((3:1) 2,7-Naphthalenedisulfonic acid, 3,31-3,31-di- methyl-1,11-biononyl-4,41-diyli- bis(azo) lbis(5-amino-4-hydroxy)-	10* 10* 1000 50000 10000 1* 1* 1* 1* 1*	1,2,4 1,2,4 1,2,4 1,7 1 1 1 1 4 4 4 4	U231 U230 U231 U234 U192 U235 U238	A A C C C B A C A A B	10 (4.54)  10 (4.54)  10 (4.54)  1000 (45.4)  1000 (45.4)  100 (45.4)  100 (45.4)
2.1.5-Trichlorognenol. 2.1.5-Trichlorognenol. 2.1.5-Trichlorognenol. 3.1.5-Trichlorognenol. 3.1.5-Trichlorognenol. 4.5-Trichlorognenol.	93755 95954 88062 95954 88062 221417 2148 75503 99354 23637 25727 72571 N.A. N.A. N.A. N.A. N.A.	Phenol, 2.4,6-inchloro- Phenol, 2.4,5-inchloro- Phenol, 2.4,6-inchloro- Benzene, 1,3,5-innimo- Peraldenyde 1-Propanol, 2,3-dibromo-, phosonate ((3:1) 2,7-Naphthalenedisulfonic acid, 3,31-3,31-di- methyl-1,11-biononyl-4,41-diyli- bis(azo) lbis(5-amino-4-hydroxy)-	10* 10* 1000 50000 10000 1* 1* 1* 1* 1*	1,2,4 1,2,4 1,2,4 1,7 1 1 1 1 4 4 4 4	U231 U230 U231 U234 U192 U235 U238	A A C C C B A C A A B	10 (4.54)  10 (4.54)  10 (4.54)  1000 (45.4)  1000 (45.4)  100 (45.4)  100 (45.4)
2.4.5-Trichlorophenol. 2.4.6-Trichlorophenol. 3.4.5-Trichlorophenol. 4.5-Trichlorophenol. 4.5-Trichlorophenol. 3.5-Trichlorophenol. 3.5	95954 98062 95954 88062 23417 21448 75503 99354 23637 72571 N.A. N.A. N.A. N.A. N.A.	Phenol, 2.4,6-inchloro- Phenol, 2.4,5-inchloro- Phenol, 2.4,6-inchloro- Benzene, 1,3,5-innimo- Peraldenyde 1-Propanol, 2,3-dibromo-, phosonate ((3:1) 2,7-Naphthalenedisulfonic acid, 3,31-3,31-di- methyl-1,11-biononyl-4,41-diyli- bis(azo) lbis(5-amino-4-hydroxy)-	10* 10* 1000 50000 10000 1* 1* 1* 1* 1*	1,2,4 1,2,4 1,2,4 1,7 1 1 1 1 4 4 4 4	U231 U230 U231 U234 U192 U235 U238	A A C C C B A C A A B	10 (4.54)  10 (4.54)  10 (4.54)  1000 (45.4)  1000 (45.4)  100 (45.4)  100 (45.4)
2.4.8-Trichlorophenol 2.4.5-Trichlorophenol 2.4.5-Trichlorophenol 3.4.6-Trichlorophenol 3.4.6-Trichlorophenol 3.4.6-Trichlorophenol 3.5-Trichlorophenol 3.5-Trichlorop	09198 95954 88062 221417 21448 75503 99354 23637 72571 N.A. N.A. N.A. N.A. N.A.	Phenol, 2.4.5-Inchloro- Phenol, 2.4.5-Inchloro- Benzene, 1.3.5-Innimo- Peraldenyde 1-Propanol, 2.3-dibromo-, phosonate ((3:1) 2.7-Naphmalenedisulfonic acid, 3,3"-3,3"-di- metryl-1,1"-biononyl)-4.4"-diyil- bis(azo)]bis(5-amino-4-hydrony)-	10° 1000 5000 10000 10000 1° 1° 1° 1° 1° 1°	1,4 1,2,1 1 1 1 4 4 4 4	U234 U192 U235 U236 U236 U236 U236 U236	. A A C C C A A B C C A A B C C A A B C C A A B C C A A B C C A A B C C A A B C C A A B C C C C	10 (4.54) 10 (4.54) 10 (4.54) 1000 (454) 100 (454) 10 (4.54) 10 (4.54) 10 (4.54) 100 (45.4)
4.5-Triontoropinenol 4.5-Triontoropinenol 4.5-Triontoropinenol 2.5-Triontoropinenol 2.13-Trintoropinenol 2.13-T	95954 88062 221417 21448 75503 99354 22637 72571 N.A. N.A. N.A. N.A. N.A. N.A.	Phenol, 2.4.6-Inchloro-  Benzene, 1.3.5-Immo- Peraldenyde 1-Propanol, 2.3-dibromo-, phosonate ((3:1) 2.7-Naphmalenedisulfonic acid, 3.3'-3.3'-di- methyl-1.1'-bianonyl)-4.4'-diyli- bis(azo)]bis(5-amino-4-hydroxy)-	10 1000 5000 1000 1 '' 1' 1'	1, 2, 4	U231 U234 U132 U235 U235 U238	A C C A A B	10 (4 54) 1000 (454) 5000 (2270) 100 (45.4) 10 (4.54) 10 (4 54) 10 (4 54) 10 (4 54) 10 (4 54)
4 8-Trigntoropendol nethaloramine dodecy/benzenesiu/fonate nethylamine .1.5-Trigntodenzene .3.5-Trigntodenzene .3.5-Tronomoropy/) phosonate .7.5-Tronomoropy/) phosonate .7.5-Tronomoropy/	88062 23417 21448 75503 99354 23637 25727 72571 N.A. N.A. N.A. N.A. N.A.	Phenol, 2.4.6-Inchloro-  Benzene, 1.3.5-Immo- Peraldenyde 1-Propanol, 2.3-dibromo-, phosonate ((3:1) 2.7-Naphmalenedisulfonic acid, 3.3'-3.3'-di- methyl-1.1'-bianonyl)-4.4'-diyli- bis(azo)]bis(5-amino-4-hydroxy)-	10 1000 5000 1000 1 '' 1' 1'	1, 2, 4	U231 U234 U132 U235 U235 U238	A C C A A B	10 (4 54) 1000 (454) 5000 (2270) 100 (45.4) 10 (4.54) 10 (4 54) 10 (4 54) 10 (4 54) 10 (4 54)
netnanotamine dodecy/benzenesuitonare netny/amine .3.5-Tonitrobenzene .3.5-Tonitrobenz	23417 21448 75503 99354 23637 72571 N.A. N.A. N.A. N.A. N.A. N.A.	Benzene, 1,3,5-uniiro- Peraldenyde 1-Propanot, 2,3-dibromo-, phosonate ((3:1) 2,7-Naprimalenedisulfonic acid, 3,31-3,31-di- metryl-1,11-biononyl-4,41-diyli- bis(azo) bis(5-amino-4-hydroxy)-	1000 5000 1000 1° 1° 1° 1°	4	U234 U192 U235 U238	G G A A B B B B B B B B B B B B B B B B	1000 (454) 5000 (2270) 100 (45,4) 10 (4,54) 1000 (45,4) 10 (4,54) 100 (45,4)
nethylamine Inmemylamine I.3.5-Trioxane, 2.4.6-inmethyl- Inst2.3-dibromogropyl) phosonate Ingan blue Ingan blu	21148 75503 99354 23637 25727 72571 N.A. N.A. N.A. N.A. N.A. N.A.	Paradenyde 1-Propanot, 2.3-dibromo-, phosonate ((3:1) 2.7-Naphthalenedisulfonic acid, 3,2*-3,2*-di-methyl-1,1*-disnonyl-4,4*-diyl-bis(azo)1bis(5-amino-4-hydroxy)-	1000 1000 1° 1° 1° 1° 1°	4	U192 U235 U238 CCC2	0 3 A C A A B	5000 (2270) 100 (45.4) 10 (4.54) 10 (4.54) 10 (4.54) 10 (4.54) 100 (45.4)
Interpretation (Company)  Interpretation (Company)  Indisted Hazardous Wastes Characteristic of Corrosivity  Interpretation (Company)  Interpretatio	75503 99354 23637 25727 72571 N.A. N.A. N.A. N.A. N.A. N.A.	Paradenyde 1-Propanot, 2.3-dibromo-, phosonate ((3:1) 2.7-Naphthalenedisulfonic acid, 3,2*-3,2*-di-methyl-1,1*-disnonyl-4,4*-diyl-bis(azo)1bis(5-amino-4-hydroxy)-	1000	4	U192 U235 U238 CCC2	A C A A	10 (4.54) 1000 (454) 10 (4.54) 10 (4.54) 100 (45.4)
3.5-Tontarobenzane 3.5-Tronane, 2.4-6-Immetryl- insteal Azardous Wastes Characteristic of Corrosviry Imisted Hazardous Wastes Characteristic of Corrosviry Arsenic Coc4 3anum Doc5 Cadmium Coc6 Chromium 2007 Lead 2008 Mercury Coo9 Selenium Cc10 Silver Co11 Endin Col2 Undane Co12 Undane Co13 Metmoxycrior 2014 Toxanene 2015 2.4-5-TP 5017 Jinisted Hazardous Wastes Characteristic of Ignation Wastes Characteristic of Ignace Hazardous Wastes Characteristic of Ignace Hazardous Wastes Characteristic of Reactivity Jinisted Hazardous Wastes Characteristic of Reactivity	99354 23637 28727 72571 N.A. N.A. N.A. N.A. N.A. N.A.	Paradenyde 1-Propanot, 2.3-dibromo-, phosonate ((3:1) 2.7-Naphthalenedisulfonic acid, 3,2*-3,2*-di-methyl-1,1*-disnonyl-4,4*-diyl-bis(azo)1bis(5-amino-4-hydroxy)-	1° 1° 1° 1°	4	U192 U235 U238 CCC2	G A A A	1000 (45.4 10 (4.54) 10 (4.54) 100 (45.4)
13.5-Thorane, 2.4.6-Inmethyl- inst2.3-dibromogropyl) phosphate instalad Hazardous Wastes Characteristic of Corrosviry Inisted Hazardous Wastes Characteristic of EP Toxicity. Arsenic Coc4 Banum Coc5. Cadmium Coc6. Chromium Coc7. Lead Coc8 Mercury Coc9 Selenium Coc10. Silver Coc11 Endin Coc12 Undane Coc13 Methoxychior Coc14 Toxabnere 2015 2.4-0-0016 2.4-5-72 Coc7 Unisted Hazardous Wastes Characteristic of Ignitability Unisted Hazardous Wastes Characteristic of Reactivity. Unisted Hazardous Wastes Characteristic of Reactivity. Unisted Hazardous Wastes Characteristic	25727 72571 N.A. N.A. N.A. N.A. N.A. N.A. N.A.	I-Propanot, 2,3-ditromo-, phosonate ((3:1) 2,7-Naphmalenedisationic acid, 3,3-3,3-di- metryl-(1,1-diphory)-4,4-diyl)- bis(azo)  bis(5-amino-4-hydrory)-	1° 1° 1° 1°	4	U275 U278 CCC2	3 3	10 (4 54)
Initisted Hazardous Wastes Characteristic of Corrosviry Ministed Hazardous Wastes Characteristic of EP Toxicity.  Arsenic Coc4 Banum Coc5 Cadmium Coc6 Chromium 2007 Lead Coo8 Mercury Coo9 Selenium Cot0 Silver Cot11 Endin Cot12 Undane Cot13 Memoxyctior 2014 Toxidinere 2015 2,4-0-0016 2,4-5-77-5017 Jinisted Hazardous Wastes Characteristic of Geactivity.  Jinisted Hazardous Wastes Characteristic of Reactivity.  Jiracii mustard	72571 N.A. N.A. N.A. N.A. N.A. N.A. N.A.	2,7-Naphthalenedsulfortic acid, 3,3*-3,3*-di- methyl-(1,1*-biohonyl)-4,4*-diyl)- bis(azo) [bis(5-amino-4-hydroxy)-	1* 1* 1*	4	U238 	3 3	10 (4.54)
Inlisted Hezardous Wastes Characteristic of Corrosviry Inlisted Hazardous Wastes Characteristic of EP Toxicity. Assenic CCC4 Banum CCC5. Cadmium CCC6. Chromium CCC7. Lead CCC8. Silver CCC1. Endin CCC1. Silver CCC1. Undane CCC1. Undane CCC1. Undane CCC1. Lead CCC8. Lead CCC8. Silver CCC1. Lead CCC8. Lead CCC	N.A. N.A. N.A. N.A. N.A. N.A. N.A. N.A.	metnyi-(1,1'-biononyi)-4,4'-diyi)- bis(azo)  bis(5-amino-4-hydroxy)-	1* 1* 1* 1*	4	C002	3   3	1 (0,45.4)
of Corrosivity Inisted Hazardous Wastes Characteristic of EP Toxicity. Arsenic Coc4 Banum Coc5. Cadmium Coc6. Chromium 2007 Lead Co08. Mercury E009 Selentum Coc10. Silver Co11. Endon Co12. Undane Co13. Methoxychior Co14. Toxabnere 2015 2,45-72 Co17. Julisted Hazardous Wastes Characteristic of Igentability Unitsted Hazardous Wastes Characteristic of Reactivity. Uracil mustard.	N.A. N.A. N.A. N.A. N.A. N.A. N.A. N.A.		1° 1° 1°	4	C004	x	1 (0.454
Inisted Hazardous Wastes Characteristic of EP Toxicity.  Arsenic CCC4 Banum CCC5 Cadmium CCC6 Chromium CCC6 Chromium CCC7 Lead CCC9 Selenium CCC10 Silver CCC11 Endin CCC12 Undane CCC12 Undane CCC13 Memoxychior CCC14 Toxianere CCC15 2,4-0-0016 2,4-5-77 CCC17 Unisted Hazardous Wastes Characteristic of Ignitativity Unisted Hazardous Wastes Characteristic of Reactivity. Uracii mustard	N.A. N.A. N.A. N.A.		1° 1° 1°			i .	
Arsenic CCC4 3anum CCC5 Cadmium CCC6 Chromium 2007 Lead C008 Mercury C009 Selenium CC10 Silver C011 Engin C012 Undane C013 Metroxychior C014 Toxagnere 2015 2,45-72 C017 Dinisted Hazardous Wastes Characteristic of Reactivity Unisted Hazardous Wastes Characteristic of Reactivity Unisted Hazardous Wastes Characteristic of Reactivity Unisted Hazardous Wastes Characteristic of Reactivity	N.A. N.A. N.A. N.A.		10	4		i .	
Banum D005 Cadmium D005 Cadmium D005 Chromium B007 Lead D008 Mercury E009 Selenium C010 Silver C011 Endnn C012 Undane C013 Metroxychior D014 Toxannere D015 2,40 D016 2,4,5-77 E017 Unitsted Hazardous Wastes Characteristic of Ignitativity Unitsted Hazardous Wastes Characteristic of Reactivity. Uracil mustard	N.A. N.A. N.A. N.A.		10	4		i .	
Cadmium C008. Chromium 2007 Lead C008 Mercury C009 Selenium C010 Silver C011 Sinder C011 Sinder C012 Undane C013 Memoxychor C014 Toxabnere C015 2,4-0-0016 2,4-5-77-5017 Jinisted Hazardous Wastes Characteristic of Ignitability Jinisted Hazardous Wastes Characteristic of Reactivity. Jiracii mustard	N.A. N.A. N.A.		1.	4		1 6	
Chromium 2007 Lead 2008 Mercury 2009 Selentum 2010 Silver 2011 Endon 2012 Undane 2013 Methoxycotor 2014 Toxabnene 2015 2.40 7016 2.45-TP 5017 Johnsted Hazardous Wastes Characteristic of Ignacellity Julisted Hazardous Wastes Characteristic of Reactivity.	N.A. N.A.				0005	1	1000 (454 10 (4.54
Lead C008 Mercury C009 Selentum C010 Silver C011 Endon C012 Undane C013 Memoxychior C014 Toxabnene 2015 2,4,5-TP C017 Unisted Hazardous Wastes Characteristic of Egodomic Mazardous Wastes Characteristic of Reactivity. Unisted Hazardous Wastes Characteristic of Reactivity. Unisted Hazardous Wastes Characteristic of Reactivity. Unisted Hazardous Wastes Characteristic of Reactivity.	N.A.			1	0007	12	10 (4.54
Mercury E009 Selenium C010 Selenium C010 Endnn 0012 Undane C013 Memoxychior 2014 Toxannere 2015 2,40 0016 2,45-77 5017 Unisted Hazardous Wastes Characteristic of Ignitativity Unisted Hazardous Wastes Characteristic of Reactivity. Uracil mustard	-	i .	1 1 1	7	COGS	1	1
Selenium CC10 Silver C011 Endin C012 Undane C013 Memoxychlor 2014 Toxannene 2015 2,40 0016 2,45-TP 5017 Jinisted Hazardous Wastes Characteristic of Ignitating Wastes Characteristic of Reactivity. United Hazardous Wastes Characteristic of Reactivity. United Hazardous Wastes Characteristic of Reactivity. United Hazardous Wastes Characteristic of Reactivity.		1	-	4	C009	x	1 (0.454
Endon 0012  Undane 0013  Methoxychior 0014  Toxabnere 2015  2,4,5-TP 5017  Julisted Hazardous Wastes Characteristic of Ignitating Unlisted Hazardous Wastes Characteristic of Reactivity.  Julisted Hazardous Wastes Characteristic of Reactivity.	N.A.		1*	4	C010	A	10 (4.54
Undane C013 Memorychior 2014 Toxabnere 2015 2,40,0016 2,45-TP 5017 Jinisted Hazardous Wastes Characteristic of Ignitability Unlisted Hazardous Wastes Characteristic of Reactivity. Uracii mustard	N.A.		1.1	. 4	0011	X	1 (0.454
Memoxychior 2014 Toxaonere 2015 2,4-0-0016 2,4-5-72-5017 Jinisted Hazardous Wastes Characteristic of Ignitability Jinisted Hazardous Wastes Characteristic of Reactivity. Jiracil mustard	N.A.	İ	! ! !	1,4	00:2	X	1 (0.454
Toxaphere 2015  2.40-0015  2.45-TP 0017  Unisted Hazardous Wastes Characteristic of Ignitability Unisted Hazardous Wastes Characteristic of Reactivity.  Uracil mustard	N.A.	İ		1.4	C014	l ĝ	1 (0.454
2,40,0016 2,45-77,5017 Junisted Hazardous Wastes Characteristic of Ignitization of Ignitizations United Hazardous Wastes Characteristic of Reactivity.  Uracil mustard	N.A. N.A.		iii	1,4	2015	X	1 (0.454
2,4,5-TP 0017	N.A.	İ	100	1,4	0016	3	100 (45.4
Joinsted Hazardous Wastes Characteristic of Ignitability  Joinsted Hazardous Wastes Characteristic  of Reactivity.  Jeacil mustard	N.A.	i e	100	1,4	C017	3	100 (45.4
of Reactivity.  Jracil mustard	N.A.		1.	4	CCO1	3	[ 100 (45,4
	N.A.		1.	4	Ceds	3	100 (45.4
Jranyl acetate	56751	2.4-(1H,3H)-Pyrimainediane, 5-(bis(2- chloroethyi)amino l-	1*	4	U237	4	10 (4 54
	541093	}	5000	1		3	100 (45.4
	102064	!	5000	1	i	а	100 (45.4
,	478769	<b></b>	١		U178	x	1 (0.454
	759739	N-Nitroso-N-ethytures	1.	1	u177	Î	1 (0.454
	68493 <b>5</b> 8035 <b>5</b> 8			4	2119	\ĉ	1000 (45-
	314621	•	1000	1,4	P120	Ċ	1000 (45-
	314621		1000	1.4	1	S	1000 (454
	774136	· · · · · · · · · · · · · · · · ·	1000	t		C	1000 (45-
Vinyl chlorida	75014		1.	2,3.4	U043	×	1 (0.454
	108054		1000	1	1	0	5000 (2270
	108054		1000	1	P084	0	5000 (2279
	549400	1	5000	1,2,4		A	100 (45.
Vinyligene chlonde	75354	Ethene, 1,1-dichlord- 1,1-Dichloroethylene	3000	1,4,	9978	1	1 .55 (35.
Wartaim, & saits, when present at concentrations greater than 0.3%.	81812	24-1-Benzopyran-2-one, 4-hydroxy-3-(3- oxo-1-phenyl-butyl)-, & saits, when present at concentrations greater than	1*	4	PCG1	3	100 (45.
Xviene (mixed)		0.3%	1	ſ.,	U239	l c	1000 (45-
	270777		→ 10000	1 1 4	1	1	
o-Benzane, dimethyl	330207		1000	1.4	1		

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Hazardous Substance	CASAN	Requistory Synonyms	RC	0	RCRA	İ	ł
acchann and salts	!			Code r	Number	Category	Pounds (Kg)
<del></del>	81072	1,2-Senzagithazoi-3(2H)-one, 1,1-dioxida	,-	4	U202	a	100 (45.4
iatroie	94597	1,3-Benzocioxale, S-(2-propenyl)-	1-	4	U203	la	100 (45.4
ekinious acid	7783008		1-	4	U204	A	10 (4.54
elemous acid, dithallium (1 +) sait	12009520	Theilum seiemte	1.	4	P114	C	1000 (454
wiemum TT	7782492		1-	2		l a	100 (45.4
ELENIUM AND COMPOUNDS	N.A.	i	10	2		}	••
Hermant diaxide	7446084	Selenium oxide	1000	1.4	U204	A	10 (4.54
diemum oxide	7446084	Selement cicroide	1000	1,4	U204	<b>A</b>	10 (4.54
Gelemum sulfide	7488564	Selentum suifide SaS2	1*	4	U205	A	10 (4.54
eventum sulfide SeS2	7488564	Selemum sulfide	1*	4	U205	٨	10 (4.54
denoures	630104		1.	4	P103	C	1000 (454
Senne, diazoacetate (ester)	115025	Azaserine .	1-	4	U015	l ×	1 (0.454
Silver ==	7440224		1* ]	2		C	1000 (454
BUNDS ONA REVUI	N.A.		1*	2	_	į	
iliver cyanide	506849	Silver cyanide Ag (CN)	1.	4	P104	j <b>x</b> •	1 (0.454
inver cyanide Ag (CN)	508649	Silver cyamos	1.	4	P104	¦ ×	1 (0.454
Silver nurate	7751886		1	1		X	1 (0.454
Silvex (2, 1,5-T2)	93721	Propionic acid. 2-(2.4.5-inchlorophenoxy)-	120	1.4	U233	3	100 (45.4
	1	2,4,5-TP acid	- 1			1	
iodium	7440235		1000	1		1 4	10 (4 54
odium arsenate	7631892	}	1000	1		×	1 (0.454
lodium arsanite	7784465	i	1000	1		x	1 (0.454
ocium szide		<b>\</b>	1.	4	21CS	c	1000 (454
осил осполага			1000	1		٦	10 (4 54
ebnoultip mubo			5200	1	:	i 3	100 (45.4
odium bisulita		1	5000	1		0	5000 (2270
odium cryomate	7		1000	1		1 4	10 (4 54
Sucium cyanida		Sodium cyanide Na (CN)	10	1.4	2106	A	10 (4 54
Sodium dyanida Na (CN)	-1	Sodium cyanide	10	1.4		14	10 (4 54
Sodium dodecyibanzenesudonate	1	Socium Cyanide	1990	1	!	ic	1000 (454
Sodium fluoride		1	5000	,	•	l č	1000 (454
		İ	5000	í		وز	5000 (2270
Sodium hydrosufida			1000	1		lč	1000 (454
Sodium hydroxida				;		13	100 (45.4
Sodium hypochianta			100	'		1 3	!
	10622705			t		c	: 1000 (454
Socium memyfate			1500	t		3	100 (45.4
Sodium nitite	1		100	1		13	5000 (2270
Sodium phosphata, dibasic	7558794		5000		i	: •	3030 (22.3
	10039324				į	ļ	
	10140656	į i	conn	1		la	5000 (2270
Sodium phosphata, thoasid	7601549		5000	'	•	3	!
	7758294				•	İ	:
	7785844		1		i		1
	10101890				ļ		
	10124568				ĺ	į	:
Socium saienita	10261394		1000		1	3	100 (45-4
socium seienita		•	1900	•	i	-	}
	7782823	2.21	,-		U225	x	1 (0 454
Sirestozatogin	18883664	C-Glucose. 2-deaxy-2-{{(methylninosoa-	1 1	•	04.3	1^	1 (0 434
		mno)-carbonyi lamno]-	l i			1	Ì
•		Giucopyranose, 2-deoxy-2-(3-methyl-3-n-	į į			}	;
Character and and	770000	tasoureido)-	1000		!	1	10 (4 5
Strontum chromate		Sharanian A ari-			P108	A	10 (4 5
Strychnidin-10-one		Strycanine, & saits	10			ł	100 (45.
Strychmdin-10-one. 2,3-dimethaxy		Brucine	1		P018	3	100 (45.4
Strycnmne, & saits	,	Strychmdin-10-one	10		F1C8	4	· ·
Styrene			1000	1	ì	C	1000 (45-
Suitur manochlanda	1	į	1000	; 1	i	(c	1000 (45-
Suitur phosphica	1314803	Phosphorus gentasulfide	100	1,4	U189	3	100 (45
		Phospharus suitide			1	1_	
Sulturio acid	7554939	1	1000	1		C	1000 (45
. 🖍	8014957		1	1	1.		
Sulturio acid, ditrialium (1 -) sart	7448188	Thallium (I) sulfate	1000	1,4	PIIS	3	100 (45.
	10031591	1	ł	1		1	ļ.
Sulfurio acid, dimattyl aster	77781	Dimetriyi sulfate	1 ,-	4	U103	3	100 (45.
2,4,5-7 acid	93785	1 • •	100	1,4	U232	\c	1000 (45
		2.4.5-1		1		1	(
2.4.5-T amines	2008460		100	! 1		0.	5000 (227)
	1319728			1 '	ì	17.	,,
	3813147		l	Į.	1	1	[
	5369966		ĺ	Į.	1	ţ	[
	6369977		1	}	1	1	ì

## TABLE 302.4 - LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES -Continued

				Statutory		210	nai RQ
Hazardous Substances	Casry	Regulatory Synonyms	RQ	Cudet	RCRA Waste Number	Care- gory	Poundsi Kyj
Phenol, 2-chloro	95578	o-Chloropassot 2-Chlorophsool	l.	24	0.039 0.048	8	100 (45.4
henoi, 4-chioro-3-methyl-	5 <b>9507</b>	p-Chiloro-m-cresol 4-Chiloro-m-cresol	I.	2.1	وعدان	ָם	5000 (2270
henol, 2-cyclonexyl-4.6-iinitro-	131395	2-Cyclohexyi-4.6-dinitrophenol	1.	4.	P034	8	100 (45.4
henol, 21-dichioro-	120832	24-Oichioronnenoi	1° 1°	2,1	U081 U082	В Х В А	100 (45.4
Phenol, 26-lichloro	8 <b>7650</b> 5 <b>6531</b>	25-Oichiorophenol Diechyistiibestroi	i•	4	U089	7	100 (45.4 1 (0.454
henol 2 1-dimethyl-	105679	24-Oimechylphenoi	i•	21	ÜiOi	B	100 (45.4
henoi 2 1-dinitro	51235	24-Dinitrophenoi	1000	21 124	9048	Ä	10 14.54
henol, metayl-	1319773	Cresoi(s) Cresylic acid	1000	1,4	U052	C	1000 (454
n-Cresol	108334	m-Cresylie acid					İ
-Cresol	95487 10 <del>644</del> 5	o-Cresylie acid					
-Cresoi	53-1521	4.6-Dinitro-o-cresol and salts	1*	24	P047	7	10 - 4.54
henoi 22 -methytenebisi3.4.6-crichioro	70304	Hexachiorophene	i •	7	U132	A B C B	100 +5.4
henol, 2-(1-metayipropyi)-4.3-diattro	38857	Dinoseo	į•	4	P0:20	Č	1000 (454
henol, 4-nicro	100027	p-Nitroghenoi	1000	1.24	ប្រា	8	100 (45.4
14-Nitrophenoi				_			
henoi, pentacnioro	87363	Pentachlorophenol	10	1.24	U242	A	10 :4.54
henol, 23.4,3-secrachioro	58902	2.2.4.6-Tetracaloropinenoi	1.0	4 1.4	U212 U220	A A	10 (4.54
Phenol 2.4.5-crichiora	35954 38062	24.5-Trichlorophenol	10	1.2.	0231	Ä	10:4.5
henoi 24,6-crinitro- ammonium sait	131748	Ammonium picrate	i.	1 1	2009		10 14.5
. Phenvialanine, 4-bisi 2-chloroethyi) animol	148823	Meighalan	i•	4	U 150	X	l :0.454
10-11.2-Pheny lene pyrene	193395	Indenoi 1.23-ed)pyrene	1.	24	Ci37		100 (45.4
henylmercury acetate	62254	Mercury,(acetato+))pnenyl-	1.	4	5085	3	100 +5.4
henylthioures	103855	Thiourea, pinenyl-	1.	4	P1)93	3	100 145
thorate	228022	Phosphorodichioic acid, O.O-liethyl S- (ethylthio), methyl ester	ľ.	4	P09-1	1	ئدّ. ټه ۱۵۰
Sosgene	72442	Carbonic dichloride	SÜ(X)	1.4	Pous	2	10 - 4.54
Cosonine	7503512	CTropuic dictionide	1.	1.4	P025	3	100 35.3
hosonoric acid	7664:22	<u> </u>	5000	i		4 th O th	50(1)
husphoeid acid, methyl tenitrophenyl ester		311455Diethyl-p-aitrophenyi phus-	į•	4	5041	3	100 - 45.4
		phate					
hosphoric acid. isatitate saintata	7446277	Lead prospirate	i.*		Ľl iš	X	, , ,
Phosphorodichiate seid. O U-Hetnyl S-[2] (ethylchia etnyl ester	225044	Disulfaton	1	1,4	20:23	.7.	1 10).454
hosphorodithiose seed 0.0-diatavi 3-	298022	Phorate	<i>I</i> •	4	5091	A	19 + 5-
(ethylthio), methyl ester	_00		•	,		.,	13.4.54
Phosphoroditmoic soid, 0.0-diathyl 3-methyl	3258582	0.0-Diethyl S-methyl dichioghosphate	1*	4	U057	o o	5000 (200)
ester		}			_		
hosphoroditaioic scid. 0,0-ilmethyl 3-	60513	Dimethoate	i.	+	₽0 <del>++</del>	À	10 - 4.54
(Mmethyramino)-1-oxoethyr ester		3"	1.		P040	3	100 .45.4
Phosphoroducridic said, bisi f-methylethyllescer Phosphorothioic scid, 0.0-ilethyl 0-4-nitro-	55914 56382	Diisopropylduoropaosphate Parathion	i	4 1.4	5039	Ä	10 - 4.54
phenyl lester	10967	raramon	•	1.1	C1/23		10 4.54
hosonorochiole seid. Od44/edimethylaminos sul-	52557	Familiae	1.		2097	C	100-) -454
fonvilonenvi 0.0-ilmethvi ester			1				
Phosphorochioic acid. 0.0-ilmashyl 0-4-nicro-	225000	Methyl parathion	160	1.4	POTI	3	100 - 45.4
gnenyt) escen				{			
Phosphurothiolo acid. 0.0-ilathyl 0-pyrazinyl	297972	0.0-Dieshyi O-gyraziayi phosphoro-	1.		P1)#)	. 3	100 - 45.4
ester.		thioate	l .			,.	
Phosphorus Phosphrous oxycionics	TT23140 100253T3	1	1 5000	1 1		<u> </u>	1000 + 454
Phosphoris peniasulida	131 +893	Phosphorus sulade Sulfur phosphide	100	1.4	U199	X C 3	109 :45.4
Phosphorus suifida	131 4803	Phosphorus pentasulfide Suifur	100	i.;	U139	1 4	100 :+3.
	101 4000	phosphide			3.55		
Phosphorus tricklaride	7719122	, , , , , , , , , , , , , , , , , , , ,	5000	l		l c	1000 (454
PHTHALATE ESTERS	N.A.		l.	2			
Phthalic anhydride	85449	i.3-Isobenzofurandione	1.	<b>1</b> +	U130	ם (	5000 (22)
2-Picaiine	109058	Syridine, 2-methyl-	!	+	C 191	D D	5000 - 2270
Piperidine, I-nitroso-	100754	N-Microsopiperidiae	1.	1 .	U179	A.	10 (4.5-
Plumbane, recruethyl- POLYCHLORINATED BIPHENYLS (PCBs)	78002 1336363	Tetraethyl lead	100	1,4	P110	₹	1 (0.45
Aroclor 1015	12574112	Polychlorinated bighenvis	10	1.2	ì	, ;	1 (0.45
Arociar 1221	11104232	Polyeniorinated alphenyls	10	12	I	Ϋ́	1 (0.45
A rocior 1000	11141185	Polychlorinated Signenyls	io	12	[	$\hat{\mathbf{z}}$	1 (0.45
Acoclor 1242	53469213	Polychlorinated bipnenyls	io	1.2	1	X	1 (0.45
Arocior 1248	12572296	Polychlorinated highenyls	10	12 12 12 12 12 12 12 12 12 12 12 2	1	X X X X X X X	1 (0.45
Arocior 1254	11097691	Polychlorinated biphenyis	10	1.2	1	Ϊ	1 (0.45
Arreior 1260	11096825	Polychlorinated biginenyls	10	1.2	ł.	χ	1 (0.45
POLYNUCLEAR AROMATIC HYDROCAR-	N.A.	1	1.	2	ł		1
Potassium arsenau			1000	1 .	1	X	1 (0 :=
LOCASSIUM ACSCIA-C	1.81110	1	1000	1	1	1 A	1 (0.45

## TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued (Note: All Comments/Notes Are Located at the End of This Table)

	-			Statutory			nel RQ
Hazardous Substance	Casan	Augulatory Synonyms	RQ	Code †	RCRA Waste Number	Category	Pounds (Kg)
7-Methano-IH-indene. 1.2.4,5,6,7,8,8-oc-	57749	Chlordane	1	1,2,4	U035	×	1 (0.454
tacnioro-2,3,3a,4,7,7a-nexanydro-	377-3	Chlordane, alpha & gamma isomers					
		Chlordane, technical	1-	4	U154	0	5000 (2270
lethanol	67561	Methyl alconol 1.2-Ethaneciamins, N.N-dimethyl-N'-2-pyri-	1-	7	U155	lä	5000 (2270
Aethapyniene	91805	dityl-Y'-(2-Tuenylmethyl)-	,	-	3,33	] ~	3000 (400)
Aetnomyl	18752775	Ethanimidothioic acid, N-[[(methyl-	1*	4	P066	8	100 (45.4
Nethoxycnior	72435	smino(carbonyl]oxy]-, methyl ester Senzane, 1,1'-(2,2,2-mchloroethylidene)	1	1,4	U247	×	1 (0.454
Aernyl alcohol	67561	bisi 4-methoxy- Methanoi	1-	4	U154	a	5000 (2270
Aerry bramide	74839	Methane, aromo-	10	2.4	U029	lč	1000 (454
-Methylbutzgiene	504609	#neithfune-E.1	1.	4	U186	l a	100 (45.4
Aethyl chlonde	74873	Methane, critoro-	1*	2,4	U045	Î B	100 (45.4
Aemyl chlorocarponate	79221	Carponochiondic acid, methyl ester	1*	4	U156	c	1000 (454
		Methyl chloroformate	!			1	1
Aethyl chloroform	71556	Ethane, 1,1,1-trichloro-	1-	2.4	U225	C	1000 (454
Methyl chigrolomate	79221	1,1,1-Trichtoroethane Carbonochloridic acid, methyl ester	1.	4	U156	c	1000 (454
·	1	Methyl chlorocarbonate				1	
-Methylcholanthrane	56495	Benz(j]aceanthrytene, t,2-dihydro-3- metryt-	1"	4	U157	A	10 (4 54
.4'-Methylenedis(2-chloroaniine)	101144	Benzenamine, 4,41-methyleneors(2-unioro-	1.	4	U158	A	10 (4 54
Astriviene promice	74953	Memane, dibromo-	1.	4	U068	! c	1000 (454
Memviene chlonda	75092	Methane, dichloro-	,- [	2.4	U080	C	1000 (454
Aethyl athyl kelone (MEK)	78933	2-Butanone	1- {	4	U159	0	5000 (2270
demyl athyl ketone peroxida	1338234	2-dutanone peroxide	, 1* ]	4	U160	A	10 (4 54
Methyl hydrazne	603+4	Hydrazine, metnyl-	i 1°	4	, ,,,,,,	4	10 (4 54
Aethyl vodide	74884		1. 1.	4	U138	13	100 (45
Methyl Isobutyl Xetone	108101		! !	4	U161	0	5000 (2270
Aethyl isocyanate	624839		1.	. 4	2069		10 (4 54
2-Methyllactorithie	75865	Acatone cyanonyddin Proganenithie, 2-hydroxy-2-methyl-	10	1,4	2009	1	
Меспуімексасіал	74931	Methanethiol Thiomethanol	100	1,4	U153	3	100 (45.4
Memyl methacrylate	80825	2-Propendic acid, 2-methyl-, methyl ester	sago	1,4	U162	c	1000 (45-
Methyl parathion	298000	Phosphorouticic acid, O.O-dimathyr O-(4- nitrophenyr) ester	100	1,4	2071	3	100 (45.4
4-Methyt-2-pentanone	108101	Methyt isooutyt ketone	1.	4	U161	9	SGC0 (2270
MethylChouraci	56042	4(1H)->ymmidinane, 2,3-dihydra-5-mathyl-2- thiaxo-	1*	4	U:54	À	10 (4 5-
Hevingnos	7736347		1	1	-	4	10 (4 5-
Mexacartera	315184	ı 1	1000	1	1	C	1000 (45
Mitamyan C	50077	Amno(21,31,3,4)pyroto(1,2-a)indole-4,7-dicne,5-amno-3-(((ammocaroonyloxy) metnyl]-1,1a,2,3,8a,db-nezanydro-da-metnoxy-5-metnyt- (1aS-(1aalgna, 8beta, 3aalgna, 3batona))-	1*	<b>4</b> :	Octo	<b>A</b>	10 (4 5-
MNNG	70257	Guanidine, N-metryl-N'-nitro-N-nitroso-	1*	4	LBID	A	10 (4 5
Monoethylamine	75047	1	1000	1	1	a	100 (45.
Monomethylamine	74895	!	1000	1	1	3	100 (45.
Musamal	2763964	3(2H)-Isoxazolone, 5-(aminomethyl)- 5- (Aminomethyl)-3-isoxazolol	1*	4	PC07	C	1000 (45
Naled	300785		10	1	1	i A	10 (4.5
5.12-Nagnmacenedione, 8-acetyl-10-(3- amino-2.3,8-trideoxy-alona-L-lyxo- hexopyranosyl)oxyl-7,3,9,10-tetranydro-	20830813	Caucomyon	1*	4	UCS9	^	10 (4.5
6.8,11-unhydroxy-1-methoxy-, (8S-cis)-	ļ		1				[
1-Naonmaienamine	134327	alona-Naonthylamine	1.	4	1	а	100 (45.
2-Naphthalenamine	91598	beta-Nachttylamine	1*	4	U168	A.	10 (4.5
Naphthalenamine, N.N'-bis(2-chloroethyl)		Chlomagnazne	1.	4	U025	8	100 (45.
Naphthalene	91203		5000	1.2.4		3	100 (45.
Naphthalene, 2-cmloro	91587	beta-Chloronaphthalene 2-Chloronaphtha- lene	1*	2.4	U047	0	5000 (227
1,4-Naphthalenedione	130154	1.4-Naphthoquingne	1.	4	1	0	5000 (22)
2.7-Naphthalenedisulfonic acid. 3.3'-((3.3'-cimethyl-(1,1'-biphenyl)-4.4'-diyl)-bis(azo)]bis(5-amino-4-hydroxy)-	72571	Trypan blue		4	USZG	^	10 (4.5
terrasodium sart.			1	1 :	1		100 /44
Naphtheric acid	1338245	· ·	100	1	1	8	100 (45 5000 (227
1,4-Naonthoquinone	130154	1	;:	4	1	B	100 (45
alpha-Naphthylamine	134327		1-		-	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	10 (4.5
atona-Naonthytamine	31598	1	-		_	Îŝ	100 (45
	7410020		;-			s	100 (45

## TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued (Note: All Comments/Notes Are Located at the End of This Table)

1				Statutory		Final RQ		
Hazardous Substance	CASAN	Requistory Synonyms	RQ	Code †	RCRA Waste Number	Category	Paunds (Kg)	
	628864	Marian	1.	4	P065	۸	10 (4.54	
ulminic acid, mercury(2+)salt	110178	Mercury fullments	5000	i	. 335	Ö	5000 (2270)	
umane acid		c +	3000	À	U124	B	100 (45.4)	
van	110009	Furturan	- 1-	- 1	U213	C	1000 (454)	
uran, (etranydro	109999	Terranycroturan		-				
-Furancarooxaldenyde	98011	Furtural	1000	1,4	U125	0	5000 (2270)	
S-Furandione	108316	Maleic annyonde	5000	1,4	U147	0	5000 (2270)	
urtural	98011	2-Furancarooxaldenyde	1000	1,4	U125	0	5000 (2270)	
urturan	110009	Furan	1.	4	U124	8	100 (45,4)	
iiucopyranose, 2-deaxy-2-(3-methyl-3-ль-	18883664	O-Glucose, 2-deoxy-2-([[methylmarosos- mingl-carbonyi]aming] Streotozotoczn	1*	4	U206	x	1 (0.45-4	
)-Glucose, 2-deoxy-2-([(methylinitrosoa- mino)-carbdnyi]amino]	18883664	Glucopyranose. 2-dedxy-2-(3-methyl-3-ni= rosouredo)- Streptozorocin	1*	4	U205	x	1 (0.454	
	705744		1-	4	U126	. A	10 (4.54	
iyodylaidenyde	785344	Oxeranecarboxyaldenyde	;-	•	U183	3	10 (4 54	
iuanidine, N-methyl-N'-nitro-N-nitroso	70257	MNNG		•	0.00	l .		
Sumon	86500		1	ī		X	1 (0.454	
ALCETHERS	N.A.	i	1.	2		1	1	
ALCMETHANES	N.A.	<b>!</b>	1*	Z		1		
eorachior	76448	4,7-Methano-1H-indene, 1,4,5,6,7,3,8-heo- tachtoro-Ja,4,7,7a-tetrahydro-	t	1,2,4	P059	×	1 (0.454	
EPTACHLOR AND METABOLITES	N.A.		1-	2		1		
	1024573	<b>i</b>	i• l	2		×	1 (0.454	
edizcher addride		Same have been been been been been been been be		2.4	U127	12	10 (4 54	
exactionoperizene	118741	Benzane, hexacmoro-	;• }	2,4	U125	12	1 (0.454	
*exachioropulaciene	87683 608731	1,3-Butactione, 1,1,2,3,4,4-hexactiforo-		2.3	4123	^	, (6.15	
mers). Hexachtorocyclonexane (gamma isomer)	58899	(1alona,2alona,3bera,4alona,5alona, 6bera)-gamma-3h:C	1	1, 2, 4	U129	X	1 (0.454	
	77.74	Undane	,	1,2,4	U130	; <u>v</u>	10 (4 54	
energencyclopentatione		1,3-Cyclopentadiene,1,2,3,4,5,5-hexactiloro-			J	; a	100 (45 4	
exachidioeinane	67721		1.	2.4	,			
-exactiorophane	70304	Phenoi, 2,21-methyleneois(3,4,6-inchloro-	1*	4	U132	a.	100 (45.4	
exacniorocropene	1888717	1-Propens, 1,1,2,3,3,3-nexachloro-	1.	4	U243	; c	1000 (454	
exactryl tetraphoschate	757584	Tetragnosphone acid, hexaethyl aster	1*	4	PC6Z	į 3	-100 (45.4	
iydrazine		,	1.	4	בבוני	iχ	1 (0.454	
ycrazne, 1,2-setryl-		N,N'-Cieunyinydrazine	. 1*		U086	A	10 (4.54	
			1-	4	U098	À	10 (4.54	
tydrazine, 1,1-dimethyl		1.1-Oimethyihydrazine	1.	ì	UC99	x	1 (0.454	
tydrazine, 1,2-dimethyl		1,2-Oimethylhydrazine				1	10 (4.54	
-iyorazıne, 1.2-dichenyl	122567	1,2-Cignenyihydrazine	1*	2,4		1 4	1	
rydramne, memyr-		Метту пусташте	1.	4		1.2	10 (4.5-	
ydrazinecartothioamide	79196	Priosemicardance	1*	4	2116	3	100 (45.4	
Tydrochione acid	7847010	Hydrogen chlands	5000	t		0	5000 (2270	
verocyanic acid	74908	Hydrogen cyanida	10	1,4	2063		10 (4.5-	
ydrailuanc acid		Hydrogen fluorida	5000	1.4	10134	13	100 (45	
			5000	1	1 5.5-	10	5000 (227)	
dydrogen chichde		Hydrochlone add			P063	i a	10 (4.5-	
-yarogen cyanide		Hydrocyanic add	10	1,4		1 1	4	
-ydrogen lludride		Hydrofluone acid	5000	1,4	U134	; 3	1CO (45.	
тустодел suifice	7783064	Hydrogen suitide H2S	100	1,4	U135	3	100 (45	
rydrogen suifida H2S		Hydrogen suifide	100	1,4	U135	3	100 (45	
hydroperoxida, 1-methyl-1-phenylethyl		alona aigna-Cimethylbenzylhydroperoxide	1.	4	U096	A	10 (4.5-	
2-Imdazalidinetniane		Envienethiousea	1 1	4	U115	A	10 (4.5-	
			;•	-	U137	iâ	100 (45.	
ndeno(1,2,3-cd)syrene		1,10-(1,2-Phenylene)pyrene				_	5000 (227)	
enzibnarutczneopal-C.	85449	Phinalic annyande	1*	4	U190	Q		
SODULY SICCHOL	78831	1-Propanol, 2-methyl-	1.		U140	10	5000 (227	
sodnn	465738	1,4,5,8-Oimerhanonaanthalene, 1,2,3,4,10,10-nexachloro-1,4,4a,5,3,8a- hexahydro, (1 aigna, 4aigna, 4abeta,5beta,	1-	4	P160	×	1 (0.45	
scongrone	78591	Sbera Babera)-	1.	. 2	!	a	5000 (227)	
Isoprene	78795	"nare" nancint.	1000	ļ ī	i	ia	100 (45.	
sopropanolamine dodecylbenzanesulfon-	42504461		1000	i		Č	1000 (45	
	,	. 2 2	1-		U141	а	100 (45.	
Isosafrole		1.3-Benzodiaxale. 5-)1-propertyl-						
3(2H)-Isoxazsione, 5-(aminomethyi)	2763964	HomoeuM	1.	1 4	P007	C	1000 (45	
Kegane	143500	2-one, 1,1a,3,3a,4,5,5,5a,5b,5-decachlor-	,	1,4	U142	x	1 (0.45	
Lassocarpine	303344	droxy-2-(1-methoxyethyl)-3-methyl-1- oxobutoxy [methyl]-2,3,5,7a-tetrahydro-	1.	4	U143	<b>A</b>	10 (4.5	
Lead TT	7439921	1H-pyrrolizin-1-yi ester, [1S-(1alpha(Z), 7(2S*,3R*),7ealpha]]-	1.	z				

## TABLE 302.4-LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES-CONTINUED

(Note: All Comments/Notes Are Located at the End of This Table)

Dimetrylamine	19904 24403 30117 757976 19907 30159 19907 30159 1907 37147 1907 37147 1907 37147 1907 37147 1907 37147 1907 37147 1907 37147	Regulatory Synonyms  (1.1'-dipnenyi]-4.4'diamine.3.3'dimethoxy- Metharramne, N-methyl- Benztanamne, N-methyl- Benztanamne, N-N-diamethyl-4-(phenylazo-) Benzta]amtracene, 7.12-dimethyl- (1.1'Bionenyi]-4.4'-diamine.3.3'-dimethyl- hydrazme, 1.1-dimethyl- hydrazme, 1.1-dimethyl- hydrazme, 1.1-dimethyl- Benzeneethanamine, alpha.alpha-dimethyl- hydrazne, 1.2-dimethyl- 1.2-denzenedicarooxylic acid, dimethyl- aster Sultunc acid, dimethyl- aster  Phenol, 2-methyl-4.6-dimitro- Benzene, 1-methyl-2.4-dimitro- Benzene, 2-methyl-1.3-dimethyl- 1.2-denzenedicarooxylic acid, doctyl-ester 1.4-Diethylenedioxide  Hydrazine, 1.2-dimemi- Cetamethylovrounosanoramide Tetraemyl dyrounosanoramide	1000 1000 1000 1000 1000 1000 1000 100	2 2,1 4 1,4	P547 P648 U105 U106 P020 U107 U108 U109	Gategory  BCAXAAXAXDBD BCAXAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	100 (45. 1000 (45. 1000 (45. 1000 (45. 10 (4.5							
120-	24403 50117 519907 519907 519907 519907 51147 517147 5	Metranamme, N-metryl- Bertzenamme, N,N-dimedryl-4-(phenylazo-) Bertz(a]antiracene, 7,12-dimetryl- (1,1/Bioneryl)-4,4-diamme_1,3-dimetryl- hydroperoxide, 1-metryl-1-phenyledfyl- Carbarne chlonde, dimetryl- hydrazne, 1,1-dimetryl- hydrazne, 1,2-dimetryl- Hydrazne, 1,2-dimetryl- Bertzeneethanamme, alpha_alpha-dimetryl- Phenol, 2,4-dimetryl- 1,2-denzenedicarodylic acid, dimetryl- ester Sulture acid, dimetryl-ester  Phenol, 2-metryl-4,6-dimitro- Benzene, 1-metryl-2,4-dimitro- Benzene, 2-metryl-1,3-dimitro- Phenol, 2-(1-metryl-1,3-dimitro- Phenol, 2-(1-metryl-1,3-dimitro- Phenol, 2-(1-metryl-1,3-dimitro- Phenol, 2-(1-metryl-1,3-dimitro- 1,2-Benzenedicarooxylic acid, dioctyl-ester 1,4-Diathylenedioxide  Hydrazine, 1,2-dimeryl- Octametryl-cyrophosandramide Terraethyl-cyrophosandramide Terraethyl-cyrophosandramide 1-Proganamine, N-propyl-	1000 1° 1° 1° 1° 1° 1° 1° 1° 1° 1°	1,4 4 4 4 4 2,4 2,4 1 1,2,4 1,4,4 1,4 1	U092 U093 U094 U095 U096 U097 U098 U099 P046 U101 U102 U103 P047 P047 P047 U105 U105 U105 U106 U107 U108	CAXAAXAXOBO BB AA AAA ABCOB AB	1000 (45 10 (4,5 1 (0,45 10 (4,5 10 (4,5 10 (4,5 10 (4,5 10 (4,5 10 (4,5 100 (45,10) 10 (4,5							
Imethylamine 12 -Cimethylamine 5 -12-Olmethylaminoazobenzene 5 -13-Olmethylbenzidne 11 -Olmethylbenzidne 11 -Olmethylbenzidne 11 -Olmethylbenzidne 11 -Olmethylbenzidne 5 -1-Olmethylbenzidne 5 -1-Olmethylbenzidne 5 -1-Olmethylhydrazine 5 -2-Olmethylhydrazine 5 -1-Olmethylindrazine 5 -1-Olmethylindrazine 5 -1-Olmethylonenol 10 -1-Olmethylonenol	24403 50117 519907 519907 519907 519907 51147 517147 5	Metranamme, N-metryl- Bertzenamme, N,N-dimedryl-4-(phenylazo-) Bertz(a]antiracene, 7,12-dimetryl- (1,1/Bioneryl)-4,4-diamme_1,3-dimetryl- hydroperoxide, 1-metryl-1-phenyledfyl- Carbarne chlonde, dimetryl- hydrazne, 1,1-dimetryl- hydrazne, 1,2-dimetryl- Hydrazne, 1,2-dimetryl- Bertzeneethanamme, alpha_alpha-dimetryl- Phenol, 2,4-dimetryl- 1,2-denzenedicarodylic acid, dimetryl- ester Sulture acid, dimetryl-ester  Phenol, 2-metryl-4,6-dimitro- Benzene, 1-metryl-2,4-dimitro- Benzene, 2-metryl-1,3-dimitro- Phenol, 2-(1-metryl-1,3-dimitro- Phenol, 2-(1-metryl-1,3-dimitro- Phenol, 2-(1-metryl-1,3-dimitro- Phenol, 2-(1-metryl-1,3-dimitro- 1,2-Benzenedicarooxylic acid, dioctyl-ester 1,4-Diathylenedioxide  Hydrazine, 1,2-dimeryl- Octametryl-cyrophosandramide Terraethyl-cyrophosandramide Terraethyl-cyrophosandramide 1-Proganamine, N-propyl-	1000 1° 1° 1° 1° 1° 1° 1° 1° 1° 1°	1,2,4 1,2,4 1,2,4 1,2,4 1,2,4 1,2,4 1,2,4 1,2,4 1,2,4 1,2,4 1,4 1,4 1,4 1,4 1,4 1,4 1,4 1,4 1,4 1	U092 U093 U094 U095 U096 U097 U098 U099 P046 U101 U102 U103 P047 P047 P047 U105 U105 U105 U106 U107 U108	CAXAAXAXOBO BB AA AAA ABCOB AB	10 (4.5) 1 (0.45) 10 (4.5) 10 (4.5) 10 (4.5) 10 (4.5) 10 (4.5) 10 (4.5) 100 (4.5)							
Olimethylaminoazobenzene 12-Olimethylbenzidine 13-Olimethylbenzidine 11-Olimethylbenzidine 11-Olimethylbenzidine 11-Olimethylbenzidine 11-Olimethylbenzylhydrogeroxide 11-Olimethyldrazine 12-Olimethylhydrazine 12-Olimethylhydrazine 12-Olimethylhydrazine 13-Olimethylponnol 10-Olimethylponnol 11-Olimethylponnol 12-Olimethylponnol 13-Olimethylponnol 13-Olim	50117 57978 19907 100159 19447 17147 10178 122098 15579 11113 177781 11113 177781 11113 17781 11113 17781 11113 17781 189650 189	Benzenamana, N.N-dimednyl-4-(phenylazo-) Benz(a)amiracene, 7.12-dimetnyl- (1.1'Bionernyl-4.4'-diamire, 3.3'-dimetnyl- hydroperoxida, 1-methyl-1-phenyletnyl- Carbarnic chloride, dimethyl- hydrazme, 1.1-dimethyl- hydrazme, 1.2-dimethyl- Benzeneethanamne, alpha, alpha-dimethyl- Phenol, 2.4-dimethyl- 1.2-denzenedicarboxylic acid, dimethyl- ester Sulfunc acid, dimethyl-aster  Phenol, 2-methyl-4.6-dimitro- Benzene, 1-methyl-2.4-dimitro- Benzene, 2-methyl-1,3-dimitro- Phenol, 2-(1-methylprobyl)-4.6-dimitro- 1.2-Benzanedicarboxylic acid, doctyl-ester 1.4-Diathylanedioxide  Hydrazine, 1.2-dimenyl- Octamethylovropnosonoramde Terraethylovropnosonoramde Terraethylovropnosonate 1-Propanamine, N-probyl-	1° 1° 1° 1° 1° 1° 1° 1° 1° 1° 1° 1° 1° 1	1,2,4 1,2,4 1,2,4 1,2,4 1,2,4 1,2,4 1,2,4 1,2,4 1,2,4 1,2,4 1,4 1,4 1,4 1,4 1,4 1,4 1,4 1,4 1,4 1	U093 U094 U095 U095 U097 U099 P046 U101 U102 U102 U103 P047 P047 P048 U105 U106 P020 U107 U108	AXAAXAXOBO BB AA AAA ABCCB AB	10 (4.5 1 (0.45 10 (4.5 10 (4.5 10 (4.5 10 (4.5 10 (4.5 5000 (227 100 (45. 100 (4.5 10 (4.5							
12-Olmernyibenz(alanitracene 13-Olmethyibenzibine 15-Olmethyibenzibine 15-Olmethyibenzibine 15-Olmethyibenzibine 15-Olmethyibenzyihydroderoxide 18-Olmethyibenzyihydroderoxide 18-Olmethyibydrazine 15-Olmethyibydrazine 15-Olmethyibydrazine 15-Olmethyibydrazine 15-Olmethyibydrazine 17-Olmethyibydrazine 17	57976 19907 19907 19714 10738 10738 10738 10738 10738 10738 1055679 11113 177781 1545-45 1005587 1005587 11113 177781 1545-45 1005587	Benz(a)anthracene, 7.12-dimetryl- (1.1'Bioneryl-4-4'-diametryl-1ydroperoxide, 1-metryl-1yheroperoxide, 1-metryl-1yheroperoxide, 1-metryl-1ydrazme, 1.2-dimetryl-1ydrazme, 1.2-dimetryl-1ydrazme, 1.2-dimetryl-1ydrazme, 1.2-dimetryl-1ydrazme, 1.2-dimetryl-1ydrazme, 1.4-dimetryl-1ydenzenedicardoxylic acid, dimetryl-1ydenzenedicardoxylic acid, dimetryl-1ydenzenedicardoxylic acid, dimetryl-1ydenzene, 2-metryl-1yd-dimitro-1ydenzene, 1-metryl-1yd-dimitro-1ydenzenedicardoxylic acid, doctyl-ester 1.4-diatryl-enedioxide  Hydrazine, 1.2-dioneryl-1yd-1ydrazine, 1.2-dioneryl-1ydroposphate 1-dioanametricardoxylic acid, doctyl-ester 1-diatryl-enedioxide  Hydrazine, 1.2-dioneryl-1ydroposphate 1-dioanametricaryl-1ydroposphate 1-dioanametricaryl-1ydroposphate 1-dioanametricaryl-1ydroposphate 1-dioanametricaryl-1ydroposphate 1-dioanametricaryl-1ydroposphate 1-dioanametricaryl-1ydroposphate	1° 1° 1° 1° 1° 1° 1° 1° 1° 1° 1° 1° 1° 1	1.2.4 1.2.4 1.2.4 1.2.4 1.2.4 1.2.4 1.2.4 2.4.4 2.4.4 4.6.4	U094 U095 U097 U098 U099 P046 U101 U102 U103 P047 PC48 U105 U105 U105 U106 P020 U107 U108	XAAXAXOBO BB AA AAA ABOOB AB	1 (0.45 10 (4.5 10 (4.5 10 (4.5 10 (4.5 10 (4.5 10 (4.5 5000 (227 100 (45. 100 (45. 10 (4.5 10 (4.5 10 (4.5 10 (4.5 10 (4.5 10 (4.5 10 (4.5 10 (4.5 10 (4.5 10 (4.5 10 (4.5 10 (4.5 10 (4.5 10 (4.5 10 (4.5 10 (4.5 10 (4.5 10 (4.5)							
3'-Cimetrytbenzatine on alpha-Dimetrytbenzatine on alpha-Dimetrytphorzythydroperoxide imetrytcardamoyi chloride on alpha-Dimetrytphoretrytphoretrytamine on alpha-Dimetrytphor	19907 19907 190159 19447 197147 197147 197147 197147 197147 197147 19905	(1.1'Bionerryi)-4.4'-diamme.3.3'-dimethyi- hydrogerouda, 1-methyi-1-phenyiethyi- Carbarnic chionde, dimethyi- hydrazme, 1.1-dimethyi- hydrazme, 1.1-dimethyi- Berzeneethanamine, alpha_alpha-dimethyi- phenoi, 2.4-dimethyi- 1.2-denzenedicarodxylic acid, dimethyi- aster Sulfunc acid, dimethyi-aster  Phenoi, 2-methyi-4.6-dimitro- Benzene, 1-methyi-2.4-dimitro- Benzene, 2-methyi-1.3-dimitro- Benzene, 2-methyi-1.3-dimitro- Phenoi, 2-(1-methyiorodyi)-4,6-dimitro 1.2-Benzenedicarodxylic acid, doctyl ester 1.4-Diathylenedioxide  Hydrazine, 1.2-dimenyi- Octamethyloyrognosanoramide Terraethyloyrognosanoramide Terraethyloyrognosanoramide 1-Proganamine, N-prodyi-	1° 1° 1° 1° 1° 1° 1° 1° 1° 1° 1° 1° 1° 1	1.2.4 1.2.4 1.2.4 1.2.4 1.2.4 1.2.4 1.2.4 2.4.4 2.4.4 4.6.4	U098 U098 U099 P046 U101 U102 U103 P047 P047 P048 U105 U106 P020 U107 U108	AXAXOBO BB AA AAA ABCOB AB	10 (4.5 1 (0.45 10 (4.5 10 (4.5 5000 (227 100 (45. 5000 (45. 10 (4.5							
ons_alpha-Dimethylberzythydroseroxide. imetrylcardamoyl chlorde. 7.1-Dimethylhydrazine. 2Dimethylhydrazine. 3.2-Dimethylhydrazine. 3.4-Dimethylprenethylamine. 4-Dimethylprenethylamine. 4-Dimethylprenethylamine. 3.5-Dimethylprenethylamine. 3.4-Dimethylprenethylamine. 3.4-Dimethylprenethylamine. 3.4-Dimethylprenethylamine. 3.4-Dimethylprenethylamine. 3.4-Dimethylprenethylamine. 3.4-Dimethylprenethylamine. 3.4-Dimethylprenethylamine. 3.4-Dimethylprenethylamine. 3.4-Dimethylprenethylamine. 3.4-Dimethylprenethylprenethylamine. 3.4-Dimethylprenethylprenethylamine. 3.4-Dimethylprenethylamine. 3.4-Dimethylamine. 3.4-Dimethylamine. 3.4-Dimethylamine. 3.4-Dimethylamine. 3.4-Dimethylamine. 3.4-Dimethylamine. 3.4-Dimethylamine. 3.	80159 99447 10738 127098 11173 177781 154545 154545 10925 100254 14521 100254 100255 100254 100255 10025	Hydroperoxida, 1-methyl-1-phenylethyl- Caramic chloride, cimethyl- hydrazine, 1,1-dimethyl- Hydrazine, 1,2-dimethyl- Benzenesthanamine, aupha_alpha-dimethyl- Phenol, 2,4-dimethyl- 1,2-denzenedicardoxylic acid, dimethyl- ester Sulfunc acid, dimethyl-aster  Phenol, 2-methyl-4,6-dimitro- Benzene, 1-methyl-2,4-dimitro- Benzene, 2-methyl-1,3-dimitro- Phenol, 2-(1-methylorodyl)-4,6-dimitro 1,2-8-nzanedicardoxylic acid, dioctyl-ester 1,4-Diathylenedioxide  Hydrazine, 1,2-dimenyl- Octamethyloyrognosanoramide Terraethyloyrognosanoramide Terraethyloyrognosanoramide Terraethyloyrognosanoramide Terraethyloyrognosanoramide Terraethyloyrognosanoramide	1° 1° 1° 1° 1° 1° 1° 1° 1° 1° 1° 1° 1° 1	1.2.4 1.2.4 1.2.4 1.2.4 1.2.4 1.2.4 1.2.4 2.4.4 2.4.4 4.6.4	U098 U098 U099 P046 U101 U102 U103 P047 P047 P048 U105 U106 P020 U107 U108	AXAXOBO BB AA AAA ABCOB AB	10 (4.5 1 (0.45 10 (4.5 10 (4.5 5000 (227 100 (45 5000 (45 100 (45 10 (4.5 10 Intertrytational	79447 77147 77147 77147 77147 77747 77781 77781 77781 77781 77781 77781 77781 77781 77781 7	Carbamic chloride, dimethyl- hydrazine, 1,1-dimethyl- hydrazine, 1,2-dimethyl- Benzeneethanamine, alphalalpha-dimethyl- Benzeneethanamine, alphalalpha-dimethyl- 1,2-denzanedicarboxylic acid, dimethyl- aster Sulfunc acid, dimethyl-aster  Phenol, 2-methyl-4,6-dimitro- Benzene, 1-methyl-2,4-dimitro- Benzene, 2-methyl-1,3-dimitro- Phenol, 2-(1-methylprodyl)—6-dimitro 1,2-Benzanedicarboxylic acid, doctyl-ester 1,4-Diathylanedioxide  Hydrazine, 1,2-dimenyl- Octamethylovrophosonoramide Terraethylovrophosonoramide Terraethylovrophosonoramide 1-Proganamine, N-prodyl-	1° 1° 1° 1° 1° 1° 1° 1° 1° 1° 1° 1° 1° 1	1,2.4 1,2.4 1,2.4 1,2.4 1,2.4 1,2.4 1,2.4 2,4.4 2,4.4 1,4.4	U097 U098 U099 P048 U101 U102 U103 P047 PC48 U105 U106 P020 U107 U108 U109 P085	XAXOBO BB AA AAA ABOOM AB	1 (9.45 10 (4.5 5000 (227 100 (45. 5000 (227 100 (45. 100 (45. 10 (4.5 10 (4.5 10 (4.5 10 (4.5 10 (4.5 10 (4.5 10 (4.5 10 (4.5 10 (4.5 10 (4.5 10 (4.5 10 (4.5 10 (4.5) 10 (4.5 10 (4.5 10 (4.5 10 (4.5) 10 (4.5 10 (4.5)
1-Oimethylhydrazine	57147 10738 10738 11113 177781 144545 100254 14521 100399 11142 12146 10199 11142 12146	Hydrazine, 1.1-dimethyl- Hydrazine, 1.2-dimethyl- Benzoneethanamine, alpha.alpha-dimethyl- Phenol, 2.4-dimethyl- 1.2-denzenedicardoxylic acid, dimethyl- ester Sulfunc acid, dimethyl-ester  Phenol, 2-methyl-4.6-dimitro-  Benzene, 1-methyl-2.4-dimitro- Benzene, 2-methyl-1.3-dimitro- Phenol, 2-(1-methylprodyl)-4.6-dimitro 1.2-Benzenedicardoxylic acid, doctyl-ester 1.4-Diathylenedioxide  Hydrazine, 1.2-dimenyl- Octamethyloyrognosandramide Tetraethyl gyrognosandramide 1-Proganamine, N-prodyl-	1° 1° 1° 1° 1° 1° 1° 1000  1000  1000  1000  1° 1° 1° 1° 1° 1° 1° 1° 1° 1° 1° 1° 1°	1,2.4 1,2.4 1,2.4 1,2.4 1,2.4 1,2.4 1,2.4 2,4.4 2,4.4 1,4.4	U098 U099 P046 U101 U102 U103 U103 P047 P048 U105 P020 U107 U107 U108 P085	AXOBO BB AA AAA ABCOB AB	10 (4.5 5000 (227 100 (45.5000 (227) 100 (45.100 (4							
2-Oimethylhydrazine 54 ona_apha-Oimethylonenethylamine 12 -Oimethylonenot 10 imethyl sulfate 77 immobenzene (mixed) 2515 im-Oinirdobenzene 59 o-Oimirdobenzene	10738 12098 11113 177781 154545 19650 100254 44521 13588 15285 152	Invarazine, 1.2-dimetriyi- Benzeneethanamine, alpha_alpha-dimetriyi- Phenol, 2, 4-dimetriyi- acid, dimetriyi aster  Sulfunc acid, dimetriyi aster  Phenol, 2-metriyi-4,6-dimitro- Phenol, 2,4-dimitro- Benzene, 1-metriyi-2,4-dimitro- Benzene, 2-metriyi-1,3-dimitro- Phenol, 2-(1-metriyirooyi)-4,6-dimitro 1,2-8-nzanedicarooxyiic acid, dioctyl ester 1,4-Diathylenedioxide  Mydrazine, 1,2-dimenyi- Octametriyloyrognosanoramide Terraediyi oyrognosanoramide 1-Proganamine, N-propyi-	1000 1000 1000 1000 1000 1000 1000 100	1,24 1,24 1,24 1,24 1,2,4 1,2,4 2,4 2,4 4 1,4	P048 U101 U102 U103 U103 P047 P048 U105 U105 U106 P020 U107 U108 U109 P085	X080 99 AA AAA A3009 A9	1 (0.45 5000 (227 100 (45, 5000 (227) 100 (45, 100 (45, 10 (4,5) 10 (							
onalapha-Oimetrylphenetrylamine         12           +Oimetrylphenot         10           imetryl sulfate         7           imetryl sulfate         2           imetryl sulfate         9           o-Cimitroberzene         52           3-Oimtroberzene         10           2-Cimitroberenot         57           4-Dinitroberenot         57           4-Dinitroberenot         52           3-Cimitroberenot         52	22098 15679 11113 177781 1595650 282290 10252 102527 1050587 1	Benzeneethanamine, alpha.alpha-dimethyl- Phenol, 2, 4-cumethyl- 1,2-Benzenedicardoxylic acid, dimethyl- aster Sulfunc acid, dimethyl-aster  Phenol, 2-methyl-4,6-dimitro-  Phenol, 2,4-dimitro-  Benzene, 1-methyl-2,4-dimitro- Benzene, 2-methyl-1,3-dimitro- Phenol, 2-(1-methylprodyl)—8-dimitro 1,2-Benzenedicardoxylic acid, doctyl-ester 1,4-diethylenedioxide  Mydrazine, 1,2-dimenyl- Octamethyloxidenosonare Terraedhyloxidenosonare 1-Proganamine, N-prodyl-	1° 1° 1° 1° 1000  1000 1000 1000 1000 1	2.4 1 1,2.4 1,2.4 1,2.4 1,2.4 2,4 4 2,1.4 1,4	P046 U101 U102 U103 P047 PC48 U105 U106 P020 U107 U108 U109 P085	080 98 AA AAA A 3003 A 3	10 (4.5 100)							
	25679 11113 177781 145454 500254 600254	Phenol. 2.4-dimethyl- 1.2-denzenedicardoxylic acid., dimethyl- ester Sultunc acid. dimethyl-ester  Phenol. 2-methyl-4.6-dimitro-  Benzene, 1-methyl-2.4-dimitro- Benzene, 2-methyl-1.3-dimitro- Phenol. 2-(1-methylprodyl)-4.6-dimitro 1.2-Benzenedicardoxylic acid. doctyl-ester 1.4-Clathylenedioxide  Hydrazine, 1.2-dionervi- Octamethylovrophosonoramide Tetraedhylovrophosonotae 1-Proganamine, N-prodyl-	1° 1° 1000 1000 1000 1° 1° 1° 1° 1° 1° 1° 1° 1° 1° 1° 1° 1°	2.4 1 1,2.4 1,2.4 1,2.4 1,2.4 2,4 4 2,1.4 1,4	U101 U102 U103 U103 P947 P048 U105 P920 U107 U108 U109 P985	80 88 AA AAA ABCOM AB	100 (45 5000 (227 100 (45 100 (45 10 (4.5 10 (4.5 10 (4.5 100 (4.5 1							
imetryl prinalate 13 imetryl sulfate 77 imtropenzene (mixed) 2515 m-Cinitropenzene 99Cinitropenzene 952Cinitropenzene 152Cinitropenzene 152Cinitropenzene 152Cinitropenzene 153Cinitropenzene 153Cinitropenzene 153Cinitropenzene 153Cinitropenzene 153Cinitropenzene 153Cinitropenzene 153Cinitropenzene 153Cinitropenzene 154Cinitropenzene 155Cinitropenzene 155Cinitropenzene 156Cinitropenzene 157Cinitropenzene 158Cinitropenzene 158Cinit	11113 77781 54545 99650 100254 14521 13588 151285 1512	1.2-denzenedicarodylic acid, dimethylester  Sultunc acid, dimethylester  Phenol, 2-methyl-4,6-dimitro-  Phenol, 2,4-dimitro-  Benzene, 1-methyl-2,4-dimitro- Benzene, 2-methyl-1,3-dimitro- Phenol, 2-(1-methylorodyl)-4-6-dimitro 1,2-8-nzanedicarodylic acid, doctylester 1,4-Diathylenedicaide  Mydrazine, 1,2-dimenyl- Octamethyloyrodnosandramide Terraedhyloyrodnosandramide 1-Proganamine, N-prodyl-	1° 1000  1000  1000 1000 1000 1000 1° 1° 1° 1° 1° 1° 1° 1° 1° 1° 1° 1° 1°	2.4 1 1,2.4 1,2.4 1,2.4 1,2.4 2,4 4 2,1.4 1,4	P047 P048 U105 U105 P020 U107 U108 U109 P085	O 33 AA AAA A3CO3 A5	100 (45 100 (45 100 (45 100 (45 10 (45) 10 (45) 10 (45) 10 (45) 100 (45) 100 (45) 100 (45) 100 (45) 100 (45) 100 (45) 100 (45)							
immoperzene (mixad) 2515 m-Qninrobenzene 9 2-Q-Gimrobenzene 9 2-Q-Gimrobenzene 9 2-Q-Gimrobenzene 9 2-Q-Gimrobenzene 9 2-Q-Gimrobenzene 9 2-Q-Gimrobenzene 9 2-Q-Gimrobend 9 2-Q-Gimrobende 9 2-Q-Gimrobende 9 2-Q-Gimrobende 9 2-Q-Gimrobende 9 2-Q-Gimrobende 9 2-Q-Gimrobende 9 2-Q-Gimrobend 9 2-Q-Gimrobend 9 2-Q-Gimrobend 9 2-Q-Gimrobend 9 2-Q-Gimrobend 9 2-Q-Gimr	54545 99650 28290 30254 34521 50587 29715 713568 51285 21146 10399 21142 266202 88857 17840 22911 N.A. 22567 52169 977493 42847 21647 955007	Phenol. 2-methyl-4.6-dimitro-  Phenol. 2.4-dimitro-  Benzene, 1-methyl-2.4-dimitro- Benzene, 2-methyl-1.3-dimitro- Phenol. 2-(1-methylprodyl)-4.6-dimitro 1.2-Benzanedicaroxyric acid, doctyl ester 1.4-Diathylanedioxide  Hydrazine, 1.2-dionemyl- Octamethyloyrodnosonoramide Terraethyl dyrodnosonate 1-Proganamine, N-prodyl-	1000 1000 1000 1000 1000 1000 1000 100	1,2,4 1,2,4 1,2,4 1,2,4 1,2,4 2,4 4 2,1,4 1,4	P047 P048 U105 U106 P020 U107 U103 U109 P085	3 AA AAA A 3 C C 3 A 5	100 (45 10 (4 10 (4.5) 10 (4.5) 10 (4.5) 10 (4.5) 100 (4.5) 100 (4.5) 100 (4.5) 100 (4.5) 100 (4.5)							
immoperzene (mixad) 2515 m-Qninrobenzene 9 2-Q-Gimrobenzene 9 2-Q-Gimrobenzene 9 2-Q-Gimrobenzene 9 2-Q-Gimrobenzene 9 2-Q-Gimrobenzene 9 2-Q-Gimrobenzene 9 2-Q-Gimrobend 9 2-Q-Gimrobende 9 2-Q-Gimrobende 9 2-Q-Gimrobende 9 2-Q-Gimrobende 9 2-Q-Gimrobende 9 2-Q-Gimrobende 9 2-Q-Gimrobend 9 2-Q-Gimrobend 9 2-Q-Gimrobend 9 2-Q-Gimrobend 9 2-Q-Gimrobend 9 2-Q-Gimr	54545 99650 28290 30254 34521 50587 29715 713568 51285 21146 10399 21142 266202 88857 17840 22911 N.A. 22567 52169 977493 42847 21647 955007	Phenoi, 2-methyl-4,6-dimitro-  Phenoi, 2,4-dimitro-  Benzene, 1-methyl-2,4-dimitro- Benzene, 2-methyl-1,3-dimitro- Phenoi, 2-(1-methylpropyl)-4,6-dimitro 1,2-Benzenedicarboxylic acid, doctyl ester 1,4-Diathylenedicarde  Hydrazine, 1,2-dimenyl- Octamethyloyrophosphoramide Tetraethyl byrophosphorate 1-Propanamine, N-propyl-	1000 1000 1000 1000 1000 1000 1000 100	1.2.4 1.2.4 1.2.4 1.2.4 2.4 2.4 2.4 4 2.4 4.4	PC48 U105 U106 P020 U107 U103 U109 P085	A A A A A B C C B A B	10 (4 10)(4 (4 10 (4 10)(4 (4 10)(4 (4 10)(4 (4 10)(4 (4 10)(4 (4 10)(4 (4 10)(4 (4 10)(4 (4 10)(4 (4 10)(4 (4 10)(4 (4 10)(4 (4 10)(4 (4 10)(4 (4 (4 (4)(4)(4 (4 (4 (4)(4)(4)(4 (4)(4)(4 (4)(4)(4)(4)(4 (4)(4)(4)(4)(4)(4)(4)(4)(4)(4)(4)(4)(4)(							
m-Dinitrobenzane 99 o-Cimrobenzane 52 p-Dinitrobenzane 52 2-Dinitrobenzane 100 a-Dinitrobenzane 100 a-Dinitrobenzane 100 a-Dinitrobenzane 100 2555 2.5-Dinitropenol 100 2.5-Dinit	99650 28290 28290 28290 28390 284521 29715 23568 51285 21146 10399 21142 206202 288857 17840 22911 N.A. 22567 52169 27493 42847 21647 54729	Phanoi, 2,4-dintro-  Benzene, 1-metnyi-2,4-dintro- Benzene, 2-metnyi-1,3-dintro- Phanoi, 2-(1-metnyiprogyi)—8-dintro 1,2-Benzenedicaroxyric acid, doctyl ester 1,4-Dietnyienedioxide  Mydrazine, 1,2-dionemyi- Octametnyicyronosonoramde Terraednyi dyronosonate 1-Proganamine, N-progyi-	1000 1000 1000 1000 1000 1000 1000 100	1.2.4 1.2.4 1.2.4 1.2.4 2.4 2.4 2.4 4 2.4 4.4	PC48 U105 U106 P020 U107 U108 U109 P085	A A A A B C C B A B	10 (4 10)(4 (4 10 (4 10)(4 (4 10)(4 (4 10)(4 (4 10)(4 (4 10)(4 (4 10)(4 (4 10)(4 (4 10)(4 (4 10)(4 (4 10)(4 (4 10)(4 (4 10)(4 (4 10)(4 (4 10)(4 (4 (4 (4)(4)(4 (4 (4 (4)(4)(4)(4 (4)(4)(4 (4)(4)(4)(4)(4 (4)(4)(4)(4)(4)(4)(4)(4)(4)(4)(4)(4)(4)(							
o-Cimtrobenzene 52 2-Dimtrobenzene 10 3-Dimtrobenzene 11 3-Dimtrobenzene 10 3-Dimtrobenze	28290 00254 56521 56521 56527 29715 73568 51285 10399 21142 06202 38857 17840 22911 N.A. 22567 521647 35507 54729	Phanoi, 2,4-dintro-  Benzene, 1-metnyi-2,4-dintro- Benzene, 2-metnyi-1,3-dintro- Phanoi, 2-(1-metnyiprogyi)—8-dintro 1,2-Benzenedicaroxyric acid, doctyl ester 1,4-Dietnyienedioxide  Mydrazine, 1,2-dionemyi- Octametnyicyronosonoramde Terraednyi dyronosonate 1-Proganamine, N-progyi-	1000 1000 1000 1000 1000 1000 1000 100	1.2.4 1.2.4 1.2.4 1.2.4 2.4 2.4 2.4 4 2.4 4.4	PC48 U105 U106 P020 U107 U108 U109 P085	A A A A B C C B A B	10 (4.5 10 (4.5 10 (4.5 100 (4.5 1000 (4.5 1000 (4.5 100 (4.5 100 (4.5 100 (4.5							
p-Dimitropenzene p-Dimitropenzene p-Dimitropenzene p-Dimitropend p-Dimit	00254 34521 30537 29715 73568 51285 21146 10399 21142 06202 288857 17840 22911 N.A. 22567 52169 07493 42847 221647 955007 54729	Phanoi, 2,4-dintro-  Benzene, 1-metnyi-2,4-dintro- Benzene, 2-metnyi-1,3-dintro- Phanoi, 2-(1-metnyiprogyi)—8-dintro 1,2-Benzenedicaroxyric acid, doctyl ester 1,4-Dietnyienedioxide  Mydrazine, 1,2-dionemyi- Octametnyicyronosonoramde Terraednyi dyronosonate 1-Proganamine, N-progyi-	1000 1000 1000 1000 1000 1000 1000 100	1.2.4 1.2.4 1.2.4 1.2.4 2.4 2.4 2.4 4 2.4 4.4	PC48 U105 U106 P020 U107 U108 U109 P085	A A A A B C C B A B	10 (4.5 10 (4.5 10 (4.5 100 (4.5 1000 (4.5 1000 (4.5 100 (4.5 100 (4.5 100 (4.5)							
8-Dinitro-o-cresol and saits   S3   S3   S3   S3   S3   S3   S3   S	34521 50587 19715 73568 51285 21146 10399 21142 106202 18887 17840 17840 17840 17940 1	Phanoi, 2,4-dintro-  Benzene, 1-metnyi-2,4-dintro- Benzene, 2-metnyi-1,3-dintro- Phanoi, 2-(1-metnyiprogyi)—8-dintro 1,2-Benzenedicaroxyric acid, doctyl ester 1,4-Dietnyienedioxide  Mydrazine, 1,2-dionemyi- Octametnyicyronosonoramde Terraednyi dyronosonate 1-Proganamine, N-progyi-	1000 1000 1000 1000 1000 1000 1000 100	1.2.4 1.2.4 1.2.4 1.2.4 2.4 2.4 2.4 4 2.4 4.4	PC48 U105 U106 P020 U107 U108 U109 P085	A A A A B C C B A B	10 (4.5 10 (4.5 10 (4.5 100 (4.5 1000 (4.5 1000 (4.5 100 (4.5 100 (4.5 100 (4.5)							
25.55   2.5-Ointrognenot   25.55   2.5-Ointrognenot   32.5-Ointrognenot   37.4-Ointrognenot   57.4-Ointrognenot   57.4-Ointr	50587 29715 73588 51285 21146 10399 21142 06202 88857 178-0 22911 N.A. 22567 52169 07493 42847 221647 231647 231647 231647	Phanoi, 2,4-dintro-  Benzene, 1-metnyi-2,4-dintro- Benzene, 2-metnyi-1,3-dintro- Phanoi, 2-(1-metnyiprogyi)—8-dintro 1,2-Benzenedicaroxyric acid, doctyl ester 1,4-Dietnyienedioxide  Mydrazine, 1,2-dionemyi- Octametnyicyronosonoramde Terraednyi dyronosonate 1-Proganamine, N-progyi-	1000 1000 1000 1000 1.000 1.000 1.000 1.000 1.000 1.000 1.000	1.2.4 1.2.4 1.2.4 1.2.4 2.4 2.4 2.4 4 2.4 4.4	U105 U106 2020 U107 U108 U109 2085	A A A B C C B A B	10 (4.5 10 (4.5 10 (4.5 100 (4.5 1000 (2.5 5000 (2.5 100 (4.5 10 (4.5 10 (4.5							
2.5-Dimitrophenol 32 2.5-Dimitrophenol 57 2.5-Dimitrophenol 57 3.4-Dimitrophenol 55 3.4-Dimitrophenol 61 3.5-Dimitrophenol 61 3.5-Dimitrophenol 62 3.5-Dimitrophenol 63 3.5-Dimitrophenol 63 3.6-Dimitrophenol 63 3.6-Dimit	29715 73568 51285 21146 10399 21142 206202 88857 17840 22911 N.A. 22567 52169 27493 42847 21647	denzene, 1-metnyi-2,4-dinitro- Benzene, 2-metnyi-1,3-dinitro- Phenol, 2-(1-metnyiprodyi)—8-dinitro 1,2-Benzanedicaroxyric acid, dioctyl ester 1,4-diatnyienedioxide Hydrazine, 1,2-dionemi- Octametnyicyronosanoramide Terraednyi dyronosanate 1-Proganamine, N-prodyi-	1000 1000 1000 1° 1° 1° 1° 1° 1°	1,2,4 1,2,4 1,2,4 2,4 2,4 4 2,1 4 1,4	U105 U106 2020 U107 U108 U109 2085	A 3 C C C B A 5 5	10 (4.5 10 (4.5 100 (4.5 1000 (4.5 1000 (4.5 100 (4.5 100 (4.5 100 (4.5							
2,5-Dinitrognenot 57 4-Dinitrognenot 57 1,4-Dinitrognenot 57 1,4-Dinitrognenot 57 1,4-Dinitrognenot 57 1,4-Dinitrognenot 57 1,4-Dinitrognenot 58 1,4-Dinitro	73568 51285 21146 10399 21142 06202 38857 17840 23911 N.A. 22567 52169 07493 42847 21647	denzene, 1-metnyi-2,4-dinitro- Benzene, 2-metnyi-1,3-dinitro- Phenol, 2-(1-metnyiprodyi)—8-dinitro 1,2-Benzanedicaroxyric acid, dioctyl ester 1,4-diatnyienedioxide Hydrazine, 1,2-dionemi- Octametnyicyronosanoramide Terraednyi dyronosanate 1-Proganamine, N-prodyi-	1000 1000 1000 1° 1° 1° 1° 1° 1°	1,2,4 1,2,4 1,2,4 2,4 2,4 4 2,1 4 1,4	U105 U106 2020 U107 U108 U109 2085	A 3 C C C B A 5 5	10 (4.5 10 (4.5 100 (4.5 1000 (4.5 1000 (4.5 100 (4.5 100 (4.5 100 (4.5							
4-Ointrophenol	51285 21146 10399 21142 06202 88857 17840 23911 N.A. 22567 52169 07493 42847 21647 85007 54729	denzene, 1-metnyi-2,4-dinitro- Benzene, 2-metnyi-1,3-dinitro- Phenol, 2-(1-metnyiprodyi)—8-dinitro 1,2-Benzanedicaroxyric acid, dioctyl ester 1,4-diatnyienedioxide Hydrazine, 1,2-dionemi- Octametnyicyronosanoramide Terraednyi dyronosanate 1-Proganamine, N-prodyi-	1000 1000 1000 1° 1° 1° 1° 1° 1°	1,2,4 1,2,4 1,2,4 2,4 2,4 4 2,1 4 1,4	U105 U106 2020 U107 U108 U109 2085	A 3 C C C B A 5 5	10 (4.5 100 (4.5 1000 (4.5 5000 (22) 100 (4.5 10 (4.5							
3.4-Cinitrotoluene	21146 10399 21142 06202 88857 17840 22911 N.A. 22567 52169 07493 42847 21647 95007	denzene, 1-metnyi-2,4-dinitro- Benzene, 2-metnyi-1,3-dinitro- Phenol, 2-(1-metnyiprodyi)—8-dinitro 1,2-Benzanedicaroxyric acid, dioctyl ester 1,4-diatnyienedioxide Hydrazine, 1,2-dionemi- Octametnyicyronosanoramide Terraednyi dyronosanate 1-Proganamine, N-prodyi-	1000 1000 1000 1° 1° 1° 1° 1° 1°	1,2,4 1,2,4 1,2,4 2,4 2,4 4 2,1 4 1,4	U105 U106 2020 U107 U108 U109 2085	3 C C C C C C C	10 (4.5 100 (4.5 1000 (4.5 5000 (227 100 (4.5 10 (4.5							
3.4-Ointrototuene	00399 21142 06202 88857 17840 22911 N.A. 22567 52169 07493 42847 21647 95007	Benzene, 2-methyl-, 3-dinitro- Phenol, 2-(1-methylprogyl) — 8-dinitro 1,2-Benzenedicarooxylic acid, dioctyl ester 1,—Olethylenedioxide  Hydrazine, 1,2-dinnemi- Octamethylovrophosphate 1-Propanamine, N-probyl-	1000 1000 1° 1° 1° 1° 1° 1°	1,2,4 1,2,4 4 2,4 4 2 2,4 4 1,4	U106 P020 U107 U108 U109 P085	3 C C C C C C C	100 (45 1000 (45 5000 (227 100 (45 13 (45 100 (45							
4-Cinitrataluene   12     5-Cinitrataluene   50     5-Cinitrataluene   60     10-Occyl phthalate   11     4-Ciovane   12     19-HENYLHYCRAZINE   12     10-Occyl phthalate   12     10-Occyl phthalate   13     10-Occyl phthalate   14     10-Occyl phthalate   15     10-Occyl phthala	21142 06202 88857 17840 22911 N.A. 22567 52169 07493 42847 21647 35007	Benzene, 2-methyl-, 3-dinitro- Phenol, 2-(1-methylprogyl) — 8-dinitro 1,2-Benzenedicarooxylic acid, dioctyl ester 1,—Olethylenedioxide  Hydrazine, 1,2-dinnemi- Octamethylovrophosphate 1-Propanamine, N-probyl-	1000 1° 1° 1° 1° 1°	1,2,4 2,4 4 2 2,1 4 1,4	U106 P020 U107 U108 U109 P085	3 C C C C C C	100 (45 1000 (45 5000 (227 100 (45 13 (45 100 (45							
5-Dinitrototuene	06202 88857 17840 22911 N.A. 22567 52169 07493 42847 21647 35007 54729	Benzene, 2-methyl-, 3-dinitro- Phenol, 2-(1-methylprogyl) — 8-dinitro 1,2-Benzenedicarooxylic acid, dioctyl ester 1,—Olethylenedioxide  Hydrazine, 1,2-dinnemi- Octamethylovrophosphate 1-Propanamine, N-probyl-	1000 1° 1° 1° 1° 1°	1,2,4 2,4 4 2 2,1 4 1,4	U106 P020 U107 U108 U109 P085	3 C C C C C C	100 (45 1000 (45 5000 (227 100 (45 13 (45 100 (45							
Section   Sect	88857 17840 23911 N.A. 22567 52169 07493 42847 21647 95007 54729	Phenol. 2-(1-methylprodyl)—6-dinnto 1.2-Benzanedicaropsylic acid, doctyl ester 1.4-Diathylanedioxide  Hydrazine, 1.2-dionemi- Octamethylovrodnosonoramide Terraethyl dyrodnosonate 1-2roganamine, N-prodyl-	1° 1° 1° 1° 1° 1°	2.4 2 2.1 4 1.4	2020 U107 U108 U109 P085	C C C C C C C C C C C C C C C C C C C	1000 (45 5000 (227 100 (45 10 (45							
	17840 23911 N.A. 22567 52169 07493 42847 21647 95007	1.2-Benzanedicarooxylic acid, dioctyl ester 1.4-Diethylenedioxide  Hydrazine, 1.2-dionemyl- Octamethylovrophosphoramide Tetraemyl dyrophosphate 1-Propanamine, N-probyl-	1° 1° 1° 1° 1°	2 2,1 4 1,4	U107 U108 U109 P085	3 4 5	5000 (227 100 (45 10 (45 100 (45							
4-Dioxane   12	23911 N.A. 22567 52169 37493 42847 21647 95007 54729	1.4-Diathylenedioxide  Hydrazine, 1.2-dionemyl- Cotamethyloyrophosphoramide Tetraemyl dyrophosphate 1-Propanamine, N-prodyl-	1° 1° 1° 1° 1°	2 2,1 4 1,4	U109 P085	3 A 5	100 (45 10 (45 100 (45							
IPHENYLHYCRAZINE	N.A. 22567 52169 07493 42847 21647 35007	Hydrazine, 1.2-dionemi- Octamethylovrophosphoramide Terraemyl dyrophosphate 1-Propanamine, N-probyl-	1° 1° 100 1°	2 2,1 4 1,4	U109 P085	À	10 (4.5 100 (45							
2-Oignenythydrazine	22567 52169 07493 42847 21647 35007	Cotamethyloyrophosphoramide Tetraethyl pyrophosphate 1-Propanamine, N-probyl-	1° 1° 100	2,1 4 1,4	P085	<b>a</b>	100 (45							
15   15   15   15   15   15   15   15	52169 07493 42847 21647 95007	Cotamethyloyrophosphoramide Tetraethyl pyrophosphate 1-Propanamine, N-probyl-	1° 100		P085	<b>a</b>	100 (45							
100   100	07493 42847 21647 95007 54729	Tetraemyl pyrophosphate 1-Propanamine, N-propyl-	100	1,4										
14   15   15   15   15   15   15   15	12847 21647 35007 54729	1-Proganamine, N-probyl-	1-				10 (4 5							
1	21647 95007 54729			•	U1:0	18	5000 (22)							
September   Sept	35007 54729	t-roganamine, N-nirdso-N-prody-	1 1 .	• •	: U111	۵	10 (4 5							
275	54729	1			QIII	î	1000 (45							
29   24   25   25   25   25   25   25   25		1	1000	1	:	: 0	1000 (4)							
Sithiopiuret		Phosphorodithiold acid, alo-diethyl S-(2-	,	1.1	פבנה	. x	1 (0.45							
33   100   300   27   37   37   37   37   37   37   37	41537	(ethylithia)ethyl Jester Thiolimidodicarbonic diamide ((H2N)	,.		ļ	. 3	100 (45							
27:3   Endosuitan	-, 33,	C(S)12NH	1 ' 1	_										
27:3   Endosuitan	30541	G3/12.10	100	1	:	3	100 (45							
ndosuitan 11  uona - Endosuitan 99  eaa - Endosuitan 1321			1000		į	lč	1000 (45							
liona - Endosuitan	15297	! : 6.3-Methano-2.4.3-penzodioxath <del>ispin</del> ,	1 1	124	P050	1 x	1 (0.4)							
era - Endosultan	13431	5,7,3,9,10,10-nexachioro-1,5,5a,6,9,9e- hexanydro-, 3-dxide		1,64										
era - Endosultan	59988	Hundigweit, arande	1 10	. 2	!	x	1 (0 4							
		;	-	2		1 x	1 (0.4)							
	N.A.	i	,-	2	!	1"	1							
	11078	İ		2	i .	x	1 (0.4)							
	45733	7-Cxapicyclo(2.2.1]heptane-2.3-		4	2088	lâ	1000 (4							
	لىل دو-	dicarboxylic acid	'	•	. 555	1.	, ,,,,							
indna	72208		1	1,2.4	Posi	x	1 (0.4							
		3.4.5,6,9.9 -hexacmoro-1a.2.2a,3, 6.6a,7.7a-octa-nydro-, (1aalona, 2beta,2abeta,3alona,6alona,												
Endrin aldehyde	21934	Sapeta, 7beta, 7aalpha)-	,.	2	-	×	1 (0.4							
ENORIN AND METABOLITES	N.A.		-	2		1^	1 . ,5.4							
	72208		1 1	1,2,4		x	1 (0.4							
: A	14430	2,7:3,5-Oimethanonaphth(2,3-b)oxirone, 3,4,5,6,9,9-hexachtoro-1s,2,2s,3, 6,5s,7,7a-octa-hydro-, (1asioha,	'	1,2,4			,							
		Zbeta, Zabeta, Jaione, Saione,	┥ !		1	i								
_ ,		6aceta,7beta, 7aaigha)-	1		1	1:								
	06898		1000	1,4		8	100 (4							
Еригертипе	51434		1*	4	P042	C	1000 (4							
1		(methylamino)ethyl ]-	<b>.</b>			1	ļ							
	75070	Acetaidenyde	1000	1,4		C	1000 (4							
Emanamine, N-athyl-N-nitroso-	55185		1*	4	U174	x	1 (0.4							
1,2-Ethanediamine, N,N-dimethyl-N'-2-pyri-	91805		1.	I 4	U155	0	5000 (22							
dinyl-N'-(2-thienylmethyl)-		wenispyrierie		, -	1		1							

## TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued (Note: All Comments/Notes are Located at the End of Title. Table)

1				Statutory		Final AQ		
Hazardous Substance	CASRN	Requistory Synonyms	RQ	Code †	RCRA Waste Number	Category	Pounds (Kg)	
Cyclonexane, 1,2,3,4,5,6-hexactions, (1aipha,2aipna,3beta,4aipna,3aipna,	58899	gamma—3HC Hexachlorocyclonexane (gamma isomer)	1	1,2,4	U129	×	1 (0.454	
6beta)		Lindane	į.					
ycionexanone	108941	•	1*	4	U057	0	5000 (2270)	
2-Cyclonexyl-4,8-dinitraphenal	131895	Phenol, 2-cyclohexyl-4,6-dinitro-	1-	4 :	PC34	8	100 (45.4)	
1,3-Cyclopentadiene. 1,2,3,4,5,5-hexach-	77474	Hexacritorocyclopentaciene	1	1,2,4	U130	A '	10 (4 54)	
loro- Cyclophospharmide	50180	2H-1.3,2-Oxazaphospnorin-2-amine,	,.	4	UC58	A	10 (4.54	
		N.N-bis(2-chloroethyi)tetranydro-,2-oxide	-					
2.4-O Acid	94757	Acetic acid (2,4-dichlorophenoxy)=2,4=0, saits and esters	100	1,4	U240	8	100 (45.4)	
L40 Ester	94111		100	1		8	100 (45.4)	
ļ	94791		į				ĺ	
	94804		1		1		ł	
	1320169	*	ľ				İ	
	1929387		ļ		i			
	1925616					1	İ	
	1929733							
·	2971382					}		
	25188257	<u> </u>	1					
	53467111					_		
L4-O, saits and esters	94757	Acetic acid (2,4-dichlorophenoxy)-2,4-0 Acid	100	1,4	U240	3	100 (45.4)	
Daunomycin	20830813	5,12-Nagnthacenedone, 8-acaryl-10-(3- amino-2,3,5- indeoxy-alona-L-lyzo-nexo- ovranosylloxy)-7,8,9,10- tetranydro-	1*	4	UG59	A	19 (4 54	
:		8.3.11-(neygraxy-1-methaxy-, (8S-cis)-	į		i	ŀ	į	
	72548		1	1,2,4	U060	X	1 (0 454	
		cnlero-	ĺ			1	!	
		TOE	1			!	ļ	
222	200.0	4.4, 000				1		
t, t' COO	72548	Benzane, 1,11-(2,2-dicritordethyl-dene)bis(4-	1	1.2.4	U060	įΧ	1 (0.+5+	
:		chiero- COO			 			
į		702				1	•	
DOE	72559	4,4' CCE	1.	2		! x	1 (0.454	
1. COE	72559	OCE	1.	2		X	1 (0.454	
700	50293	Benzene. 1,1'-(2.2.2-	1	1,2,1	`U061	x	1 (0.454	
:		inchloroethyridene)bis(4-chloro-	İ		: }	İ	į	
1.47007	50293	4,4°CCT	. 1			x		
	30291	Banzane, 1,1'-(2,2,2- montordathylidane)bis(4-chlord- COT	1	قشية	U061	^	1 (0.454	
COT AND METABOLITES	N.A.		1*	2			•	
Ciallate	2000164	Cardamothioic acid, dist1-methylathyl)-, S-	1.	1	U062	3	100 (45 4	
İ		(2,3-dichlord-2-propenyi) aster	ŀ			ĺ	į.	
Diszinon	333415		1	i		į x	1 (0 454	
Dibanz(a,h]anthracane	53703	Cibenzo(a.n.lanttracene	1.	2.4	1063	X	1 (0 454	
		1,2:5.5-Cibanzanthracene				ļ	!	
1,2:5,6-Oibenzanthracene	53703	Cibenz(a.n.lanthracene	10	2.4	Cenu	X	1 (0 454	
		Cicenzo(a,n]antaracena	1			İ	1	
Oibenzo(a.h]anthracane	53703	Cibenz(a,n)anthracane	1*	24	נגטט	X	1 (0.454	
		1,2:5,6-Gibentanthracene	. i			!		
Oipenz(a.i]gyrene		Benzo (rst Ipentagnene	1.	4		<b>A</b>	10 (4 5=	
1.2-Dibromo-3-chloropropane	96125	Propane, 1,2-dibromo-3-chiloro-	1*		: U066	¦ X	1 (0 454	
Dibutyl prithalate	84742		100	1,2,4	UC69	A	10 (4 54	
		n-Buryl phthalate			i		-	
		1,2-3enzenedicarboxylic acid, dibutyl	i 1		i		i	
Oi-n-butyl phthalate	84742	Oburyt ommalate	100	121	ucsa	A	10 (4 54	
	90.02	n-Suryt contralate			3003	1	101234	
; <b>Å</b>		1,2-denzeneticaropytic acid, gibutyl	!		į			
; <b>F</b>		ester	}		1	ł		
Oicamba	1918009	43.4	1000		i	c	1000 (454	
Oichladenii		}	1000	i	1	ä	100 (45.4	
Cicnione	117806		1000	,		×	1 (0.454	
Dichlorobenzene	25321226		100	i		lâ	100 (45.4	
1.2-Oichlorobenzene.	95501	Benzene, 1.2-dichloro- o-Dichlorobenzene	100	,	U070	la	100 (45.4	
1,3-Oichlorgbenzene	541731	Benzene, 1,3-dichlorg m-Dichlorgbenzane	1*	7,2.4		g	100 (45.4	
1,4-Cichlorgienzene	106467		100		U072	8		
m-Dichloropenzene	541731	1				8	100 (45.4	
o-Dichtgrobenzene		Benzane, 1,3-dichloro 1,3-Dichlorobenzene	100	2.4	•	3		
	95501	Senzene, 1,2-dichloro 1,2-Dichlorobenzene Senzene,1,4-dichloro 1,4-Dichlorobenzene	100	1,2,3	U070	B	100 (45.4	
0.Dichlomberzene								
g-Dichlorobenzane CICHLOROBENZIOINE	106467 N.A.	Senzerie, 1.4-uichioro 1,4-uichiorogenzene	150	2	00.2		100 (-3	

## 531:4006

## TABLE 302.4-LIST OF HAZAROOUS SUBSTANCES AND REPORTABLE QUANTITIES-CONTINUED

[Note: All Comments/Notes Are Located at the End of This.Table]

		ļ		Slannory		<del></del>	tal RO
Hazardous Substance	Casan	Regulatory Synonyms	RQ.	Code f	RCRA Waste Number	Category	Paunas (Kg)
ואים ואים ואים פאסטוני ואים פאסטוני ואים	71363	1-Bujanci	1-	4	U031	la	5000 (2270
uryiaminė	109739		1000	1		C	1000 (45-
iso-dutyiamine	78819	ľ	1			İ	
sec-durylamme	513495	1	1			1	1
	13952846		- 1			!	İ
tert-Butylamine	75849		i			1_	
utyl cenzyl primalate	85687		1*	. 2		8	100 (45
-Busy prinalate	84742	Ci-n-buryl onthalate	100	1,2,4	U069	A	10 (4.5-
	ļ	Ciburyi ontrialate	- 1			1	İ
unne seid	107928	1,2-Genzenedicarboxylic acid, dibutyl ester	5000	;		٥	5000 (227)
iso-Butyre acid	79312					1	
acodyne acid	75605	Arsinic acid, dimethyl-	1*	4	U136	×	1 (0.45-
admum IT	7440439	,	1*	2		- A	10 (4.5-
Admin acetate	543908		:00	1		A	10 (4 5
ADMIUM AND COMPOUNDS	N.A.		1*	2			
agmium promide	7789425		100	3			10 (4 5
ממחיטור כחומוכם	10108642		100	1		i A	10 (4 5
alcum arsenste	7778-1-1	<b>.</b>	1900	1		×	1 (0, 45
algrum arsemie	52740166	•	1000	1		×	1 (C.45
alcum caroide	75207		5000	1	1	A .	10 (4 5
alcium chromata	13765190	Chromic acid H2CrO4, calcium salt	1000	1,4	U032		10 14 5
alcium cyanica	592018	Caldum dyamde Ca(CN)2	10	1,4	PC21		10 (4 5
alcium cyanide CalCN12.	592018	Calcium cyanida	10	1,4	PC21	٠	10 (= 5
	25254062	Calcium cyanida	1000	1		C	1000 (-5
alcium douecyibenzenesultonate			100		ĺ	ذ ا	10 (4 5
alcium hypochiante	7778543	<b>* -</b>	100	1 2.4	2123	₹ X	1 (0 45
amphene, octachloro	800:352	Тохадлене	10	1 2,4	1 - 1 - 3	À	13 (4 5
10(8U	133062	_		1	u238	!a	100 (45
arcamic scid. allry aster	517 <b>96</b> 1	Elhyl cardomate (urethane)	1.		U179	X	1 (0.45
areamic acid, methylintroso-, athyl ester	615532	N-Nitroso-N-methylurethane	1*	4		Î	1
arbamic chionda, dimethyl	79447	Cimethylicardamoyi chloride	1.	4	UC97	•	1 (0.45
laroamoditnioic acid. 1,2-athanediyibis.	1115-46	Ethylenepischimoczitamic acid, saits &	1.	4	U114	: c	5000 (227
saits & esters		əsters				_	100 ::5
Cardamothicic acid, bist1-methylethyl)-, S-	2303164	Ciallate	1-	4	U062	ុំទ	100 (45.
(2,3-dichtoro-2-propertyt) ester					ĺ	! _	100 /16
Caroary	53252		100	1	1	5	100 /45.
arboturan	1553662		10	1		<u> </u>	10 (4.5
laroon disulfida	75150		5000	1,4	2022	13	100 (45
Pardon oxyfluonda	353504	Carbonic difluoride	1.	. 4	0033	ξ σ	1000 (=
arcon tetrachionde	56235	Meinane, letrachioro-	5000	1,2,4		À	:0 (⇒ 5
Parbonic acid, driffallium(1 –) sait	6533739	Trailium(I) carbonate	1.	4	U215	3	100 (45
larbonic dictionds	75445	Phasgene	5000	1,1	2095	A	10 (-
Parconic diffuonce	353504	Carson oxyiluonde	1.	4	i ucaa	C	1000 (41
Carbonochlondic sold, mathyl ester	79221	Metnyl chlorocarconate	1.	4	Uiss	C	1000 (4)
		Metnyi chioroformate	!!		į		
Chieral	75876	Acetaidenyde, inchioro-	1.	4	U034	¦σ	5000 (22)
Chioramousi	305033	Benzeneoutanoid acid, +(bis(2-	1.	4	U035 ·	λ	10 (4.5
		cnigroemyi)amino]-	) '		i	ì	i
Chlordane	57749	Chlordane, alpha & gamma isomers	1	1,2,4	U036	X	1 (0.49
		Chtordane, technical	1		1	ļ	1
Ì		4,7-Methang-1H-indene, 1,2,4,5,5,7,3,8-oc-	1		1	İ	
l		tacnioro-2,3,3a,4,7,7a-nexanydro-			1	ĺ	ļ
CHLORDANE (TECHNICAL MIXTURE AND	N.A.		1*	2	i	1	1
METABOUTES)	14.24			-	i	1	
Chlordane, alona & gamma isomers	57749	Chlordane	1	1,2.4	U025	×	1 (0.4)
ornordaria, aranta a garrina isanisi similaria.	3,,,,,	Chlordane, teannical			1	į	
'	1	4.7-Metrano-1H-indene, 1,2.4.5.8.7.8.3-oc-	ļ	ļ	1		1
	}	tacnioro-2.3.3a.4.7.7a-hexahydro-	!	İ	1		1
Chiordane, technical	57749		1	1,2,4	U038	x	1 (0.4
	3,,,_3	Chlordane, alona à gamma isomers		1	1		
		4,7-Methano-TH-indene, 1,2,4,5,6,7,8,8-oc-			1		1
•	{	tacrioro-2.3.3a,4,7,7a-hexairydro-	}	ĺ		1	1
CHLORINATED SENZENES	N.A.		1.	1 2	1		1
			1	1 2		Į.	1
CHLORINATED STHANES	N.A.		;-	1 2		}	
CHLORINATED REPARTS SET ANIBOLIS	N.A.		1	1 2		1	ŀ
CHLORINATED PHENOLS	N.A.			) :	1	1.	10 (4
Chlonne	7782505	1	10	!	1,000	12	
Chlomagnazine	494031		1.	4		3	100 (4
Chloroacetaldenyde	107200		1 !		P023	C	1600 (4
CHLOROALKYL ETHERS	N.A.		1.	2		1	1
p-Chloroaniline	106478	Senzenamine, 4-chloro-	1.	4	P024	Ç	1000 (4
Chiorobenzene	. 108907	Senzene, chioro-	100	1,2,4	U037	8	100 (4)
					U038		10 (4

## TABLE 302,4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued (Note: All Comments/Notes Are Located at the End of This Table)

}				Statutory		Fi	NA RO
Hazzirdeus Substance	CASAN	Regulatory Synonyms	AQ	Code f	RCRA Weste Number	Category	Pounds (Kg
enzenamire	62533	Antine	1000	1,4	U012	0	5000 (227
Birrzenamine, 4,4'-carponimidayibis (N,N-	492808	Auzmne	1"	4	U014	a	100 (45.
Panzenamme, 4-chloro-	106473	p-Chloroantina	1.0	4	P024	c	1000 (45
ienzenamine, 4-chtoro-2-mathyl-, hydro- chtonde	3165933	4-Chioro-o-tatuadine, hydrochlonde	1"	4	U049	8	100 (45.
Genzenamine, N.N-dimethyl-4-(phenylazo-)	50117	p-Cimethylaminoszobenzene	1-	4	U093	A	10 (4.5
Zenzenamine, Z-methyl-	95534	o-Tolurane	1*	4	U329	8	100 (45
Penzanamine, 4-methyl-	106430	p-Tottadine	1.	41	U353	j e	100 (45
Benzanamine, 4,4'-methylanepist2-chloro	101144	4,4'-Metnylenebis(2-chloroznáne)	1 1	4	U158	1 4	10 (4.5
anzenamme, 2-methyl-, hydrochlonde	636215	o-Taluathe hydrochlonde	1.	4	U222	3	100 (45
enzenamine, 2-methyl-5-nitro-	99558	5-Nitro-o-tatuidine	!:	•	U181 2077	a O	100 (45
enzenamine, 4-mitro	100016	p-riitroaminte	1000	1,2,3,4		A.:	5000 (22) 10 (4.5
enzene enzeneacetic acid, 4-chloro-altina-(4- chlorophenyl)-alpha-hydroxy-, ethyl ester	71432 510156	Chlorobenziata	1000	1,2,3,4	U038	Ã.	10 (4.5
Benzene, 1-arcmo-t-pnenaxy-	101553	4-Sromognenyi phenyi ether	1 1-1	2.4	U030	а	100 (45
Panzeneoutanoid acid. 4-(bis(2- chloroethyl)amino]-	305033	Chioramougi	1*	4		٨	10 (4.5
Banzene, chloro-	108307	Chloropenzene	100	1.2.4	U037	<b>1</b> 3	100 (45
enzene, chloromethyl-	100447	Senzyl calonds	100	1,4	P029	9	100 (45
Panzanediamin, ar-methyl	95807	Toppenediamine	1 1-1	4	U221	۸.	10 (→
	496720 823405						
1.2-Benzenedicarboxylic acid, dioctyl ester	117840	Ci-n-octyl onthalate	1.		U107	0	5000 (22)
1.2-Benzenedicarboxylic acid, [bis(2-ethyl-)	117817		1-	2.4	פבסט	3	100 (45
hexyl) j-ester.		Cierhylhexyl onthalets	1				l
2-Berrzenedicarboxylic acid, dibutyl ester	84742	,	100	1,2,4	U059	7	10 (4 5
		Ciburyi anthalale	1 1			ļ.	}
. 2.2	9.623	ה-פינים מיני	1.	24	uccs	c	1000 (4)
.2-Benzanedicarboxylic acid, clethyl ester	84662 131113	Cietryi prithatate Cimetryi phithalate	1-	2,4	U102	0	5000 (22
ester Senzane, 1,2-dichloro	95501	o-Cicni <del>orobenzane</del>	100	1.2.4	U27 <del>0</del>	3	100 (45
Banzene, 1,3-dicrioro	541731	1.2-Dichlorobanzane m-Dichlorobanzane	1-	2.4	ua71	3	100 (45
Senzene, 1,4-dichtoro	106467	1,3-Cicnlorasenzene g-Cicmarasene	ταα	1,2,4	UGTZ	3	100 (45
Banzene, 1,174(2,2)dichtorgemylidene)bis(4- chtoro-	725-18	1,4Dichlorocenzene   CCO   TDS	1	1,2,4	UCEO	×	1 (0.45
	*****	4.4" 000			uatz	a	5000 (22)
Bonzena, dichiwomethyl-		Bental chichda	1	•	u223	3	100 (45
Senzene, 1,3-ciisocyanatomethyl	91087	Toluane dispoyanate	) ')	-		1	100 (~
Promote democrat	28471625	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	1000	1.4	บรรว	c	1300 (4
Banzane, dimethyl	1030207	Xylens (mixed)	1000	1.4	02.3	1	1000 (
o-denzane, dimetryl	95476	m-Xylena o-Xylena	1 1		ļ	}	}
p-denzene, dimetryl		: o-Xylene	1 1			1	1
1.3-Benzonegigi	108483	Rescrictor	:000	1.4	U221	0	5000 (22
1,2-Benzenediol,4-(1-nydroxy-Z- (metrytaminotethyt]-	51434		1*		ı	Ğ	1000 (4
Senzeneethanamine, along,along-dimethyl	122098	alona,alona-Cimethylghenethylamina	1*		2046	0	5000 (22
Benzene, hexacaloro		Hexachloracenzane	1*		U127	) A	10 (4
Banzene, hexanycro	110827	Cyclonexana	1000		U053	C	1000 (4
Banzene, nydroxy			1000		U188	C	1000 (4
Bentane, methyl		Tatuene	1000		U220	l c	1000 (4
Sanzene, 2-memyl-1,3-dimtro			1000		U106	9	100 (4
Senzene, 1-meinyl-2,4-dinitro		1 2	1000	1,2,4	U105	13	10 (4)
Banzene, I-methylethyl			1.		U055	0	1000 (4
Benzene, nilro-			1000	1,2,4	U169 U193	G	10 (4
Senzane, pentachloro-s			1.	:	U185	Î	100 (4
Benzenesurianis acid chlorida			1	4	U020	la	100 (4
Banzanesulfonyi chionda	98099		1.	4	U020	8	100 (4
Benzene, 1,2,4,5-letrachioro-		1.2.4.5-Tetrachigrabenzene	1.	4	U2C7	lo	50C0 (22
Banzane(mg)	108985		1*	4	P014	3	100 (4
Benzene, 1,1'-(2,2,2-tri-	50293		1	1,2,4	UCSI	×	1 (0.4
chlaroethylidene)bis(4-chlaro- Banzane, 1,1'-(2,2,2-thchlaroethylidene)	72435	4,4°COT	,		U247	×	1 (0.4
bis(4-methoxy- Senzene, (trichloromethyl)-	98077		1.			A	10 (4
Banzene, 1,3,5-traitra-		,	1-	1 4	U234	A	10 (4
Benzoine		(1,1'-Bigneryl)-4,4'diamine	1 1.	1	U021	X	1 (0.4

## TABLE 3024 - LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES

Hazardous Substances	CASRN	Regulatory Synonyms	Statutory			Final RQ	
			RQ	Collet	RCRA Waste Number	Care- gory	Pounds Kr
Acensoninene	33329		l.	2 2		80 CC	100145.4
\cenaonthylene	208968		Į•				5000(2270)
Acetaivdenyde	73070	Ethanai	1000	1,4	U001	I C	1000(454
Acetalydenyde, chloro-	107200	Choioroscetaidehyde	I.	4	P023	1 C 1	1000/454
Acetalygenyde, trichloro-	75876	Chiorai	i*	4	U034	1 0 1	5000(2270)
Acetamide N+aminothioxomethyll	591082	Chiorai 1-Acetyl-2-thiourea	i•	4	P002	i c l	10001454
Acetamide, N=4-ethoxyphenyt)-	52442	Phenacetin	I.	1 4	U137	1 B I	100/45.4
Acetamide, 2-fluoro-	640197	Fluorosceramide	1*	4	P057	C B B X	100(45.4
Acecamide, N-9H-duoren-2-yi-	53963	2-Acetylaminodourene	1*	4	U005	1 2 1	1(0.454
Acetic acid	64197		1000	1 1		1 0 1	5000 (2270
Acetic acid (2.1-dichlorophenoxy)-	94757	24-D Acid	100	1.4	U210	l B	100(45.4
	• • • • • • • • • • • • • • • • • • • •	21-D. saits and esters				, - 1	
Acetic acid, lead(2+) salt	301042	Lead acetate	5000	L.	U144	1 1	3
Acetic acid chailium(1+) sait	563688	Thailium(1) acecace	1,00	1 1	U214	l R	100(45.4)
Acetic acid. (24.5-trichiorophenoxy)	93765	2 : 5-T	100	1.4	17252	BC	1000145.4
section and the state of temptoble months	33100	24.5-T 24.5-T acid Ethyl acetate		1	· · · · · · · · · · · · · · · · · · ·	"	10001 40.4
Acetic ucid, ethyl ester	111772	Chini cassas	1*	;	U112	اما	500W:200
Acetic acid. Suoro- sodium sait	141736 6 <b>27</b> 48	Fluoroacetic acid. sodium sait	i•		P053	X	10(4.54)
		r inoroacetic acid, sodium sait	1000		7000	: 6 l	
Acetic annydride	108217	1,2		1	*****		5000 (2270)
Асегопе	67641	2-Propanone	i.	.+.	U002	0	5000 (2270)
Acetone cyanohydrin	73865	Propanenicrite, 2-hydroxy-2-methyl-2- Methyllactonicrite	10	L, l	P069	A	10 (4.54)
Acetonitrile	75058		1.	4	U003		5000 (2270)
Acetophenone	98862	Ethanone, 1-phenyl-	1.	4	U004	101	5000 (±70)
2-Acetylaminoduorene	53063	Acetamiqe, N-9H-duoren-2-yl-	l.	1 4 1	U005	ž	1 (0.454)
Acetyl promide	30h9h7		5000	lii		ا م ا	5000 (2270)
Acesyl chioride	75365		5000	1.4	U006	l n	5000 (22.0)
1-Acecvi-2-miourea	591082	Acetamide, N-t aminothioxomethyl)-	1.	1	2002	lõl	1000 (454)
Actienn	107023	2-Propenal	i	1.24	PIXIS	Č	1 (0.454)
Acrilamide	79061	2-Propenamide	ı.	1.1	CÓUT	l ö l	5000 (2:70)
Acrilic 2010	79107	2-Propenoic acid	i•	1 1	U008	1 5 1	5000 (2273)
Acrilonistile	107121	2-Propenenicrite	100	12:	Cixis	1 8 1	100 (45.4
A 21010 2011	121049	2-c copenentititie	5000	'Ţ'	GINSA	1 6 1	5000 (27.0)
		December 3 market 3 cm abulahi O	Jane .	1	2010		I (0.454
A.dicara.	116063	Propanal, 2-methyl-2-(methylthio)-,0- ((methylamino)carbonyl oxime		'			
Aldrin	309002	1.4.5.3-Oimethanonaphthalene,1.2.0.4.10.10- 10-hexachloro-1.4.4a.5.3.3a-hexahydro, (lalpha, lalpha, 4abeta, 5alpha, 3alpha, Sabeta)	I	1.24	50rH	X	L (0.454
Ailyi alochoi	107136	2-Propen-t-of	100	1.4	2005	131	LOO (45.44
Alivi chiorida	107051	i '	1000	1 1		1 C I	100+)4-3-4
Aluminum phosphide	20859733		1.	1 4	2006	3 C 3	100 + 15. 1
Aluminum sulface	10042013	+	5000	l i		lõl	5000 (2270
5- Aminomethyl)-3-isoxazolol	2753964	Muscimol 3(2H)-Isoxazolone, 5-(amino- metavl)-	1.	i	7085	č	1000 (454
4-Aminoovridine	504245	4-Pyridinamine	l.	1 1	2008	1 0 1	1000 (454
Aminopyridine	504213 61825		1.		C)11		10.00 (4.54
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APPENDIX C
FACILITY LOCATION

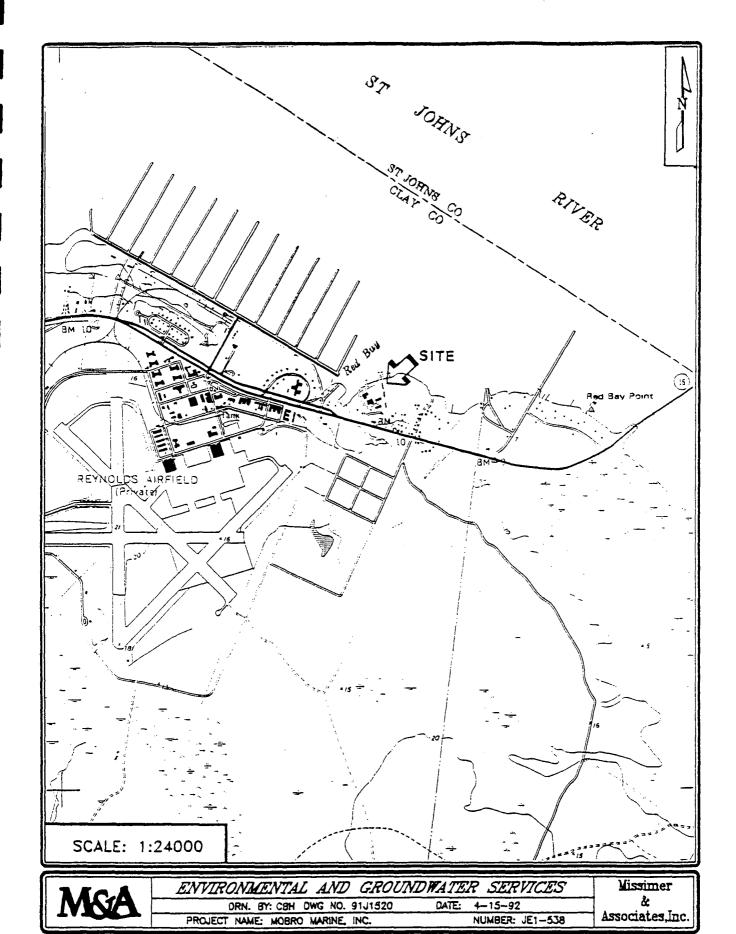


FIGURE 1-2 SITE LOCATION MAP
SOURCE: USGS GREEN COVE SPRINGS, FL QUADRANGLE MAP

APPENDIX D
CORRESPONDENCE

# MGA

### MISSIMER & ASSOCIATES, INC.

Environmental and Groundwater Services

Suite 104 8130 Baymeadows Way West Jacksonville, Florida 32256 (904) 448-6400 Fax (904) 448-8556

April 17, 1992

Mr. Richard Knoff Asst. Fire Chief, Hazardous Materials Team City of Green Cove Springs 229 Walnut Street Green Cove Springs, Florida 32043

Subject:

**Emergency Response** 

Fire, Explosion, Hazardous Material Spills

MOBRO Marine, Inc., State Road 16, Green Cove Springs, Florida

RE:

RCRA Contingency Plan

Dear Sir:

On behalf of MOBRO Marine, we are pleased to inform you that your office will receive a copy of the "RCRA Contingency Plan and Emergency Procedures" manual. We invite you to familiarize yourself with the manual.

We are anxious for you or your representative to visit the MOBRO facility to assure that the best possible preparations for responding to any emergency event which may occur has been made. Of course, we invite any suggestions or comments you may wish to offer.

MOBRO will contact you within the next few weeks to schedule the plant visit. Meanwhile, if any questions arise, please feel free to contact them for assistance in arranging a facility tour.

Thank you very much for your cooperation and assistance.

Sincerely,

MISSIMER & ASSOCIATES, INC.

Thomas M. Martin

Manager, Environmental Compliance

and Industrial Hygiene

Received by:	
Date:	
TMM/dl	•

# MSA

### MISSIMER & ASSOCIATES, INC.

Environmental and Groundwater Services

Suite 104 8130 Baymeadows Way West Jacksonville, Florida 32256 (904) 448-6400 Fax (904) 448-8556

April 17, 1992

Mr. Dalton Bray Sheriff Clay County 801 Orange Avenue Green Cove Springs, Florida 32043

Subject:

**Emergency Response** 

Fire, Explosion, Hazardous Material Spills

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Sincerely,

MISSIMER & ASSOCIATES, INC.  Thomas/M. Martin Manager, Environmental Compliance
and Industrial Hygiene  Received by:
Date:
TMM/dl

## MGA

### MISSIMER & ASSOCIATES, INC.

Environmental and Groundwater Services

Suite 104 8130 Baymeadows Way West Jacksonville, Florida 32256 (904) 448-6400 Fax (904) 448-8556

April 17, 1992

Mr. Thomas Lafferty, Administrator Clay Memorial Hospital (Limited Care) P.O. Box 808 Green Cove Springs, Florida 32043

Subject: Emergency Response

Fire, Explosion, Hazardous Material Spills

MOBRO Marine, Inc., State Road 16, Green Cove Springs, Florida

RE:

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Sincerely,

MISSIMER & ASSOCIATES, INC.
Thin thut
Thomas M. Martin
Manager, Environmental Compliance and Industrial Hygiene
Received by:
Date:
TMM/dl

# MSA

### MISSIMER & ASSOCIATES, INC.

Environmental and Groundwater Services

Suite 104 8130 Baymeadows Way West Jacksonville, Plorida 32256 (904) 448-6400 Fax (904) 448-8556

April 17, 1992

Mr. Lloyd Schroder, Manager Humana Hospital, Environmental Services 2001 Kingsley Avenue Post Office Box 2000 Orange Park, Florida 32073

Subject: Emergency Response

Fire, Explosion, Hazardous Material Spills

MOBRO Marine, Inc., State Road 16, Green Cove Springs, Florida

RE:

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MISSIMER & ASSOCIATES, INC.

Sincerely,

Thomas M. Martin
Manager, Environmental Compliance and Industrial Hygiene
Received by: Date:
TMM/dl

## MGA

### MISSIMER & ASSOCIATES, INC.

Environmental and Groundwater Services

Suite 104 8130 Baymeadows Way West Jacksonville, Florida 32256 (904) 448-6400 Fax (904) 448-8556

April 17, 1992

Department of Community Affairs Division of Emergency Management 2740 Centerview Drive Tallahassee, Florida 32399-2400

Subject:

**Emergency Response** 

Fire, Explosion, Hazardous Material Spills

MOBRO Marine, Inc., State Road 16, Green Cove Springs, Florida

RE:

RCRA Contingency Plan

Dear Sir:

On behalf of MOBRO Marine, we are pleased to inform you that your office will receive a copy of the "RCRA Contingency Plan and Emergency Procedures" manual. We invite you to familiarize yourself with the manual.

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Sincerely,

MISSIMER & ASSOCIATES INC.

Thomas M. Martín

Manager, Environmental Compliance

and Industrial Hygiene

Received by:	
Date:	
TMM/dl	

APPENDIX E
EMERGENCY EVACUATION PLAN

In the event plant evacuation is called for by the Emergency Coordinator, the following actions will be taken:

- 1. The signal for plant evacuation will be activated.
- 2. Both gates will immediately be opened. No further entry of visitors, contractors or trucks will be permitted unless authorization by the Emergency Coordinator. All non-emergency vehicle traffic within the plant will cease to allow safe exit of personnel and movement of emergency equipment.
- 3. <u>ALL</u> non-emergency personnel, visitors, and contractors will immediately leave through the exit gate located east of the main office. Any vehicle traffic will exit through the gate west of the main office.
- 4. No persons shall remain or re-enter the location unless specifically authorized by the Emergency Coordinator or his designee. In allowing this, the person in charge assumes responsibility for those persons within the perimeter. Those within the fenced area will normally only include fire fighting personnel, emergency teams or certain designated and trained employees.
- 5. <u>ALL</u> person will be accounted for by their immediate supervisors. Supervisors will designate the safest existing procedure for his or her employees. To assist in this endeavor, the Emergency Coordinator will use the public address system supplemented by radio and the internal telephone system to achieve the most raped and efficient communication.
- 6. Employees and others will proceed to the rally points in an orderly manner. Refer to Figure 1-3. Immediately upon exit through the gate, the Yard Supervisor will prepare a list of <u>all</u> personnel at the exit gate. All other personnel who have persons reporting to them must confirm the final accounting.
- 7. Upon completion of the employee list, the supervisor in charge will hand-carry the list to the Emergency Coordinator. all other personnel will remain at the gate area.
- 8. Contract personnel should also be listed with the name of their company.
- 9. The names of emergency team members involved in emergency response will be reported, in writing, to the front gate by designated response team personnel.
- 10. A final tally of persons will be made by the Emergency Coordinator.
- 11. No attempt by persons other than specifically trained emergency response workers to find persons not accounted for will involve endangering lives of others by re-entry into emergency areas.

- 12. Re-entry into the fenced area will be made only after clearance is given by the Emergency Coordinator. At his/her direction, a signal or other notification will be given for re-entry into the plant.
- 13. In all questions of accountability, immediate supervisors will be held responsible for those persons reporting to them. Visitors will be the responsibility of those employees they are seeing. Contractors are the responsibility of those persons administering the individual contracts.
- 14. Drills are held to practice all of these procedures and are treated with the same seriousness as an actual emergency.

APPENDIX F
HANDLING HAZARDOUS MATERIAL

#### **EMERGENCY PROCEDURES**

#### Flammable Liquids

#### **HEALTH HAZARDS**

Poisonous; may be fatal if inhaled, swallowed or absorbed through skin. Contact may cause burns to skin and eyes.

Runoff from fire control or dilution water may cause pollution.

#### FIRE OR EXPLOSION

Flammable/combustible material: May be ignited by heat, sparks or flames.

Vapors may travel to a source of ignition and flash back.

Container may explode in heat of fire.

Vapor explosion and poison hazard indoors, outdoors or in sewers.

Runoff to sewer may create fire or explosion hazard.

#### **EMERGENCY ACTION**

Keep unnecessary people away, isolate hazard area and deny entry.

Stay upwind; keep out of low areas.

Self-contained breathing apparatus and chemical protective clothing which is specifically recommended by the shipper or producer may work but they do not provide thermal protection unless it is stated by the clothing manufacturer. Structural fire fighter's protective clothing is not effective with these materials.

Isolate for 1/2 mile in all directions if tank car or truck is involved in fire.

CALL CHEMTREC AT 1-800-424-9300 FOR EMERGENCY ASSISTANCE.

If water pollution occurs, notify the appropriate authorities.

#### FIRE

Small fires; dry chemical, C0<sub>2</sub>, Halon, water spray or standard foam.

Large fires; water spray, fog or standard foam is recommended. Move container from fire area if you can do it without risk.

Dike fire control water for later disposal; do not scatter the material.

Cool containers that are exposed to flames with water from the side until well after fire is out. Stay away from ends of tanks.

Withdraw immediately in case of rising sound from venting safety device or any discoloration of tank due to fire.

#### SPILL OR LEAK

Shut off ignition sources; no flares, smoking or flames in hazard area.

Do not touch spilled material; stop leak if you can do it without risk.

Water spray may reduce vapor, but it may not prevent ignition in closed spaces.

Small spills; take up with sand or other non-combustible absorbent material and place into containers for later disposal.

Large spills; dike far ahead of liquid spill for later disposal.

#### FIRST AID

Move victim to fresh air and call emergency medical care; if not breathing, give artificial respiration; if breathing is difficult, give oxygen.

Remove and isolate contaminated clothing and shoes at the site.

In case of contact with material, immediately flush skin or eyes with running water for at least 15 minutes.

Keep victim quiet and maintain normal body temperature.

Effects may be delayed; keep victim under observation.

APPENDIX G HAZARDOUS WASTE TRACKING

#### HAZARDOUS WASTE TRACKING

Hazardous wastes will be containerized in 55-gallon drums as the are generated. Containers will be assigned in identification number and labelled as containing hazardous waste before use. As each drum is filled, it will be placed in a hazardous waste containment area. A log book will be maintained containing the following information for each container of waste:

- Container identification number;
- Volume of waste in the container;
- Description and type of waste;
- Date the waste was generated;
- Disposal date, manifest number, and disposal contractor's name, EPA ID number, and telephone number;
- Disposal facility's name, EPA ID number and phone number.

A copy of the waste manifest will be kept in a designated file. The log book will be cross-checked quarterly against manifests to ensure that all disposed drums are accounted for.