Calhoun Operations
Mill - Wide

Emergency Response Plan

To Report Any Emergency
Dial 7911

Effective: July 1, 2003
Revised: November 1, 2010

Millwide

Emergency Response Plan

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I. Introduction

This Emergency Response Plan (ERP) provides definitions, guidance, organizational structure and procedures for handling anticipated emergencies prior to the commencement of emergency response at AbitibiBowater-Calhoun Operations. The Plan is a guide to employees, contractors, vendors and visitors to prevent injuries, reduce property loss and provide for safe evacuation. Its focus is on minimizing the impact of any potential emergencies. It is intended to be a dynamic document, one that will need to be updated to reflect changes in the mill operations over time.

This plan is also communicated to the local communities through the Community Awareness Emergency Response committee (C.A.E.R.) This committee meets on a routine basis and is comprised of representatives from Olin/Arch Chemicals, AbitibiBowater, McMinn and Bradley County Emergency Management Agencies, and the cities of Calhoun and Charleston. The C.A.E.R. committee's goal is to preplan emergencies and provides a formal program of notification and communication for the purpose of preventing injuries in the event of a community emergency.

The Plan is structured in two major sections. The Mill-Wide ERP provides overall mill procedures which are not specific to individual departments, as well as general definitions and Mill-Wide evacuation procedures. It is supplemented by Department-Specific ERP's, which address the particular hazards and emergency response procedures for each major operating Department. Department-specific plans have been developed for:

- Kraft Mill
- Utilities
- Paper Machines/ Finishing & Shipping (PM/F&S)
- Thermo Mechanical Pulping (TMP)
- Recycle
- Chip Prep

Personnel not assigned to one of these departments shall follow the requirements spelled out in the Mill-Wide ERP.

This plan will be formally reviewed and updated at least annually. Updated copies of the Mill-wide ERP and the appropriate Department-specific ERP will be maintained electronically on the Calhoun Safety Web Page. Questions regarding the plan and its interpretation should be referred to the Health and Safety Manager, Department Managers or members of the Emergency Response Team.

II. Regulatory References

This ERP is based on the requirements of a number of current regulatory requirements, primarily:

- 29 CFR 1910.120 - Hazardous Waste Operations and Emergency Response, particularly paragraph (q), which provides requirements for emergency response to hazardous releases.
- 29 CFR 1910.119 - Process Safety Management of Highly Hazardous Chemicals, particularly paragraph (n), which provides requirements for emergency planning and response.
- 29 CFR 1910.38 - Employee Emergency Plans and Fire Prevention Plans, particularly paragraph (a), which provides requirements for the elements of emergency action plans.
- 29 CFR 1910.165 - Employee Alarm Systems, which provides requirements for design, maintenance and testing of alarm systems.

A reference table has been developed (See Appendix H) which shows the relationship of this Emergency Response Plan to the various applicable regulatory requirements.

III. Definitions

A. Emergency Response Team (ERT)

The overall consolidated groups in the Mill which have responsibilities for emergency planning and response, including the Emergency Operations Team, EMS/Security/Health Services, HazMat, Fire and Rescue. All ERT Team members are trained in compliance with Federal Regulations in all three disciplines (HAZMAT, Fire, and Rescue)

B. Hazardous Materials Specialists

Hazardous Material Specialists (HMS) are individuals who respond with and provide support to Hazardous Materials Technicians. Their duties parallel those of the Hazardous Materials Technicians, however, these duties require a more directed or specific knowledge of the various substances they may be called upon to contain. The HMS would also act as the site liaison with Federal, State, Local, and other governmental authorities in regards to site activity. HMS shall have received at least 24 hours of training equal to the Technician Level and in addition have competency in the following areas:

- Know how to implement the local emergency response plan.

- Understand classification, identification and verification of known and unknown materials by using advanced survey instruments and equipment.
- Be able to select and use proper specialized chemical personal protective equipment provided to the Hazardous Materials Specialists.
- Understand in depth hazard and risk techniques.
- Be able to perform specialized control, containment, and/or confinement operations within the capabilities of the resource and personal protective equipment available.
- Be able to determine and implement decontamination procedures.
- Have the ability to develop a site Safety and Control plan.
- Understand chemical, radiological and toxicological terminology and behavior.

C. Incident Commander (IC)

The IC has the responsibility for overall management of any emergency incident, including a Hazmat incident. IC responsibilities include gathering and evaluating information relative to development and communication of action plans. For a Level I Hazmat incident, the Incident Commander will be the first member of the Emergency Response Team arriving at the scene of the incident. If the emergency elevates to a Level II incident, the IC responsibilities will pass to the most experienced IC-trained member of the Emergency Response Team. The Safety Department will maintain a listing of currently qualified Incident Commanders. **Note**: The IC will assume control of the incident scene beyond the first responder awareness level and shall have received at least 24-hours of training equal to the first responder operations level and have competency in the following areas.

- Know and be able to implement the employer's incident command system.
- Know how to implement the employer's emergency response plan.
- Know and understand the hazards and risks associated with employees working in chemical protective clothing.
- Know how to implement the mill emergency response plan.
- Know of the Federal Regional Response Team.
- Know and understand the importance of decontamination procedures.

D. Emergency Operations Team (EOT)

The Emergency Operations Team provides management direction and support to the Incident Commander during an emergency incident. In addition, this team is responsible for emergency planning, logistics, and financial support for potential emergency situations. The following personnel are designated as members of the Emergency Operations Team:

- VP & Resident Manager
- Operations Mgr. – Pulping & Utilities
- Maintenance/Engineering Manager
- Production Manager-Paper
- Manufacturing Services Manager
- Health & Safety Manager or Safety Engineer
- Human Resources Director

If an emergency occurs when none of the above team members are on the mill site, trained members of the onsite Emergency Response Team and/or the Pulping Area Shift Supervisor will assume these positions until relieved by a member of the above team.

(See Appendix A for a listing of telephone and pager numbers for the Emergency Operations Team members.)

E. Field Command Post (FCP)

A safe location established by the Incident Commander as close as practical to the emergency for the purpose of setting up field communication, equipment staging, etc.

F. Emergency Operations Center (EOC)

The Labor Relations Conference Room has been designated as the Emergency Operations Center for members of the Emergency Operations Team. Should this area require evacuation, the alternate EOC will be designated by the IC.

G. Mill Evacuation (ME)

A complete mill wide evacuation. All departments should shut down their operations as quickly as possible with the objective of having everyone evacuated to designated areas as soon as possible.

H. Isolated Evacuation (IE)

An isolated evacuation of certain areas depends on the circumstances and level category of an incident. Employees will be given specific directions by the IC as to where to evacuate and will not be allowed back in their areas until the all clear has been communicated.

I. EMS/Security (EMS) and Health Services (HS)

EMS/Security is the mill Security Group comprised of security personal who have Emergency Medical Technician (EMT-IV or EMT-P) certification and have also been trained in Confined Space Rescue, HAZMAT and Fire.

Health Services is the mill health care provider group comprised of an RN and a part-time physician.

J. Evacuation Monitor (EM)

An individual who is designated by the Incident Commander or Department Supervisor/Team Leader at the time of the incident to assist in the orderly evacuation of their department. The EM directs departmental, contractor and visitor personnel along the selected evacuation route to the assembly point. The EM conducts a headcount and reports it to EMS/Security. All department personnel will be trained in EM duties annually by their respective departments.

K. Chemical Release Action Levels (CRAL)

A concentration of a chemical in air or volume of spill which is used as the basis for determining whether a release is Level I or II. CRAL's are based on available scientific and toxicological data regarding the hazards of chemical exposure.

L. "Buddy System"

Means that at least two employees shall remain outside an IDLH atmosphere with SCBA's and appropriate PPE ready to provide assistance or rescue, and at least two employees shall enter the IDLH atmosphere wearing SCBA's and appropriate PPE. The two employees that enter the IDLH atmosphere shall remain in visual or voice contact with each other and the Operations Officer or his designee at all times.

IV. Types of Emergencies and Response Actions

A. General

AbitibiBowater-Calhoun Operations has a number of potential emergency situations. These are discussed in more detail in the Department-Specific ERP's; below is a listing of the potential emergency situations which have been identified in the Mill.

1. Chemical Releases/Spills

- Chlorine Liquid and Gas
- Chlorine Dioxide Liquid and Gas
- Sodium Chlorate
- Sodium Hydroxide
- Hydrogen Peroxide
- Sulfuric Acid
- Black / Green / White Liquor
- High Volume/Low Concentration (HVLC) and Low Volume/High Concentration (LVHC) gases
- Foul Condensate
- Methanol (Methyl Alcohol)
- Turpentine
- Hydrogen Sulfide
- Natural gas
- Gasoline/fuel oil
- Chemicals used by contractors or vendors on a trial basis

2. Off-Site Chemical Release

Due to the proximity to the Arch/Olin Chemical Plant and adjacent highways and railroads, which may be used for transportation of hazardous chemicals, there is potential for a release off-site that could impact AbitibiBowater.

3. Fire/Explosion

Fire in a paper mill is a constant threat and is controlled by a formal Emergency Response Team. Examples of types of fire risks may include:

- Paper fires
- Turpentine
- Hot Work (welding, cutting, brazing, etc.)

- Log or chip fires in Chip Prep
- Methyl Alcohol (Methanol)
- Natural gas

The Mill has developed a detailed procedure to be followed in responding to fires. The Mill Fire Control procedure is included as Appendix C to this plan.

4. Confined Space Entry

The Mill conducts entry operations into confined spaces as part of maintenance and repair activities. As part of the overall Confined Space Entry Program, the ERT Team has been specially trained to respond to emergencies involving confined spaces and non-confined spaces where industrial rescue operations may be required.

5. Accidental Injury and Illness

Rapid and competent response to employee injuries is critical; equipment, training and personnel requirements are defined in Section VIII of this plan. EMS/Security and Health Services are trained to provide first aid and paramedic level treatment to injured employees and/or visitors, prior to transport to medical facilities.

6. Weather Emergencies

Weather emergencies involve high wind, tornado, and severe thunderstorms. The weather is monitored daily by EMS/Security personnel via National Weather Service alerts. Should a severe weather event occur such as a tornado watch, EMS/Security will issue a warning announcement over the Mill radio (All 16 channels), and via e-mail. If a tornado **warning** has been issued (*a tornado has been spotted on the ground or in the air within a 5 mile radius of the Calhoun Mill and is traveling toward the mill*) employees will be instructed to take shelter. EMS/Security will make notifications via the Mill radio (all 16 channels), via e-mail, Gai-Tronics Alarm System, and by "rampage: Technology using the ALL_EMERGCY - Emergency Notification Trigger Page.

Storm shelters have been designated and visibly marked throughout the mill. The locations for these shelters are included in Appendix D to this plan and are also listed in

each Departmental Emergency Response Plan. Upon receiving notification of a tornado **warning** for the mill area, all personnel including contractors and visitors should enter the nearest shelter and remain there until the all clear is communicated. The only exception would be personnel assigned to critical tasks as designated in the department specific plans.

7. Terrorism Threats

Should anyone receive a call indicating some act of impending terrorism such as a bomb, arson, acts of violence including civil unrest, the person taking the call should remain calm and take specific notes while keeping the person on the line as long as possible. Try to determine the specific location of the threat and time of event. Listen for background noises and any peculiarities in the caller's speech. After the caller has hung up, call **7911** and advise the officer on duty of the call. Remain at the extension where the call was received until an EMS/Security Technician arrives and takes the information on the call. The Emergency Response Team will be activated and the Incident Command System initiated. The decision to evacuate will take into consideration the location of the suspect bomb. The Local County Sheriff's Office along with the nearest qualified agency will be called.

Refer to the terrorism section included as Appendix E to this plan for additional guidance and action steps.

8. Radiation Sources

The mill utilizes radiation sources for various process controls such as level indicators and material flow. Should an event occur such as an explosion, fire or physical contact from an accident, the following actions should be implemented:

1. Clear the immediate area of personnel.
2. Identify the source, the strength and the “rope off distance”. The location, strength and rope off distance for these sources are included in mill Radiation Protection Program document.
3. Rope off area in all directions with red Danger tape or Radiation tape at the proper distance.
4. Call Security, advise them of situation and have them call the Radiation Safety Officer.

5. Keep the “rope-off “ area clear of personnel until the source has been checked and secured by the Radiation Safety Officer (see Appendix A) or designated representative.

B. Emergency Response Actions

1. For emergencies involving uncontrollable releases of certain types of hazardous chemicals, the response to the emergency is based on the measured levels of the released chemicals. (see below). The following Chemical Release Action Levels (CRALS) have been established as a guide to aid in determining the emergency response actions to be initiated based on a Level I or Level II emergency.

Chemical Release Action Levels (CRALS)

Chemical	Level I	Level II
Chlorine	More than 5 ppm in the atmosphere during an uncontrolled spill or release	Release may have an impact on entire mill or community.
Chlorine Dioxide	More than 2.5 ppm in the atmosphere during an uncontrolled spill or uncontrolled continuous release of more than 25 gallons of solution	Release may have an impact on entire mill or community.
Methanol	More than 10% LEL or uncontrolled continuous release of more than 25 gallons	Release may have an impact on entire mill or community.
Sodium Chlorate	Uncontrolled continuous release of more than 25 gallons.	Release may have an impact on entire mill or community.
Sulfuric Acid	Uncontrolled continuous release of more than 25 gallons.	Release may have an impact on entire mill or community.
Hydrogen Peroxide	Uncontrolled continuous release of more than 25 gallons.	Release may have an impact on entire mill or community.
Turpentine	More than 10% LEL or uncontrolled continuous release of more than 25 gallons.	Release may have an impact on entire mill or community.
Foul Condensate	50 ppm of H_2S or uncontrolled continuous release of more than 25 gallons.	Release may have an impact on entire mill or community.
TRS Gases/H_2S	More than 50 ppm	Release may have an impact on entire mill or community.
Sodium Hydroxide	Uncontrolled continuous release of more than 25 gallons.	Release may have an impact on entire mill or community.

Note: Uncontrolled is defined as not draining to the chemical sewer or cannot be shut off by a pump motor, valve, etc. Gas vapors can still not exceed CRALS.
Although the Mill uses many different chemical materials, the ten materials listed above were selected to represent the greatest potential for employee harm and environmental impact in an emergency situation.

2. Other Emergency Response Actions

Emergency	Level I	Level II
Fire/Explosion	All Fires/Explosions	May effect entire mill or community
Weather	Tornado spotted on the ground within a 5 mile radius toward mill	Tornado damages a process area
Bomb/Terrorism	Threat effecting one immediate area	May effect entire mill or community
Radiation Leakage	Isotope Leakage	Catastrophic release or multiple unit failure.

C. Chemical Emergency Response

It is critical for the safety and health of employees who may be required to enter an area where there may be a hazardous gas or chemical to know, understand, and utilize proper personal protective equipment. This equipment will include proper respiratory protection and other PPE to protect the employee from potential exposure.

When a hazardous material release is reported, the Incident Management System will be implemented and steps taken to have EMS/Security or other trained personnel don positive pressure self contained breathing apparatus and utilizing the "Buddy System", measure airborne concentrations with direct reading instrumentation and make visual observations of the release situation. Based upon the preliminary evaluation, the IC will determine if the incident qualifies as a Level I or II response and implement the appropriate response procedures listed in the departmental response plan in order to properly respond to chemical releases and to determine the actions, including evacuation, which may need to be taken by non-responder personnel.

Based on measured airborne concentrations of a chemical hazard the Incident Commander will be responsible to determine when Self Contained Breathing Apparatus may be removed.

Not all-chemical releases may result in a Level I emergency. However, if chemical releases exceed the established Threshold Limit Values, but not the CRALS, the employees will be required to wear proper respiratory protection and other required PPE. *(For training and proper use requirements see the Respiratory Protection and Personal Protection Policies)*

There are two types of emergency evacuation:

1. **Local -** Level I emergencies may require evacuation of the immediate affected area and other impacted areas downwind of the release, fire/explosion. Detailed instructions for this level of evacuation are included in Level I and Level II Emergency Section for Mill-wide chemicals. Each Department-Specific Emergency Response Plan contains any extra details that are particular for that department. Procedures for safe and orderly shutdown of critical equipment are also detailed in the Department-Specific ERP. All Mill Evacuation Assembly Points are in compliance with

the Table of Initial Isolation and Protective Action Distances as published in the current Emergency Response Guidebook, U.S. Department Of Transportation. *(based on Chlorine @ 900 ft.)*

ALARMS AND MONITORS:
Stationary monitors are located in several areas of the Chem Prep, Kraft Mill Bleach Plant, Pulp Dryer, Paper Machine hardwood HCR (located in old groundwood area), PM5 Low Consistency Refiner (located in TMP), Utilities, Filter plant, Evaporator, Waste Lift and Dewater areas and are identified with a warning sign. These alarms have a beacon light and an audible horn which activates when the level of the particular gas reach the Short Term Exposure Limit (STEL). The chart below lists STEL and IDLH (immediately dangerous to life or health) for these chemicals.

Area	Chemical Monitored	STEL (ACGIH)	IDLH (NIOSH)
Chem Prep Kraft Mill Pulp Dryer	Chlorine dioxide (ClO_2)	0.3 ppm	5.0 ppm
Filter Plant	Chlorine (Cl_2)	1.0 ppm	10 ppm
Utilities Evaporators Waste Lift Dewater Plant	Hydrogen sulfide (H_2S)	15 ppm	100 ppm
Pulp Dryer PM 3 & 4 HCR PM 5 LCR TMP HW or SW LCR	Sulfur dioxide (SO_2)	5 ppm	100 ppm

STATIONARY MONITOR FOR CHLORINE DIOXIDE RELEASES

Flashing light & Horn--0.3 ppm

If alarm activates, leave the area immediately.

Do not reenter the area until The concentrations and emergency levels (non-emergency, Level 1 or 2) have been determined to be at a safe level.

Stationary Alarms

EMERGENCY AWARENESS ACTIONS:
If any stationary monitor alarms (*beacon light and horn)*, or if you see or smell any hazardous gasses or if you experience any irritation of your eyes, nose, throat, or lungs, put on your escape respirator and leave the area. Note the wind direction and head crosswind then upwind for at least 50 feet. Be sure that you are in a safe area before you remove your escape respirator. Notify your supervisor. Take no further action. Stay out of the immediate hazardous area until you are notified that it is safe to return.

2. **Mill-Wide -** Level II emergencies may require the initiation of a Mill-Wide evacuation and may have an impact on the local communities. These procedures in Section VI. For those departments, which do not require Specific Emergency Response Plans, personnel should follow the procedures in this section.

V. Emergency Alarm /Notification

General – All employee alarm system circuitry, which is capable of being supervised, will be supervised and will provide positive notification to assigned personnel whenever a deficiency exists in the system. All

supervised employee alarm systems will be tested at least annually for reliability and adequacy.

A. The mill wide emergency alarm notification system consists of the following:

1. Mill whistle

The Mill Whistle is used to alert all personnel of a Mill Evacuation, the need to respond to a fire or for "other emergencies". For any emergency, dial 7911 and communicate the situation to EMS/Security Tech. Three distinctive codes will be used to indicate the type of emergency that is occurring:

Mill Whistle Codes

Emergency Type	Mill Whistle Code
Mill-Wide Emergency Evacuation	One short blast, repeated intermittently for three minutes
Fire	Two short blasts, repeated intermittently for one minute
Other Emergency	Three short blasts, repeated intermittently for one minute
All clear	One long blast for 30 seconds.

All personnel, upon hearing the Mill Whistle alarm, are to contact department supervision or monitor Mill Radio on Channel 1or 2 for further details.

2. Gai-Tronics

Gai-Tronics is an integrated Communications System consisting of loud speakers, strobe lights, and call phones to allow the broadcasting of Emergency messages.

This automated alarm system works in conjunction with the Mill Whistle and automatically sounds an alarm followed by a prerecorded emergency message.

EMS/Security will broadcast detailed emergency instructions over this system as soon as possible.

3. Mill Radio

The third means of notification is the two-way radio. EMS/Security will broadcast on all mill channels the type, location, and evacuation requirements for a given incident.

If a Fire emergency occurs, the EMS/Security Tech will broadcast the location of the fire, on all radio channels. Mill Fire Brigade members will respond to the area with appropriate fire fighting equipment.

After initial notification, channel 3 is reserved for use by EMS/Security and Emergency Response personnel. (The Incident Commander will communicate with HAZMAT, Fire Brigade, and Confined Space Rescue Teams by using Mill Radios.)

4. **Pager**

The fourth means of notification is the paging system. Members of the Emergency Operations Team (EOT) and Emergency Response Team (ERT) will have pagers on their person at all times. Using the "rampage" technology, a message will be sent to the ERTEAM - Emergency Response Team Trigger Page and the EOTEAM - Emergency Operations Team Trigger page.

Also many mill employees have pagers. A message detailing the emergency will be sent using the "rampage" technology to ALL_EMERGCY – Emergency Notification Trigger Page.

5. **Phone**

The Mill telephone system should be reserved for use during an emergency by EMS/Security and the Emergency Operations Team. All other personnel should refrain from using the telephone system so that it is available for critical communications. In particular, do not use the telephone to contact EMS/Security or Health Services. The telephone is also the primary means of communicating with outside parties, such as local fire and emergency services.

VI. Corporate Event and Incident Reporting

A. Recordable Injuries:

Due to the nature of some injuries, they may progress to recordable status. Once an injury is confirmed as a Recordable, the site will follow the notification guidelines below:

- Immediately notify the appropriate personnel within the facility, following the procedure for your site.

- Notify the respective Operations VP and the Safety & Health Department at Headquarters within 12 hours following the event or by 8:00 AM the following day.

- Send an e-mail within 24 hours to the Safety & Health Department at Headquarters using a "Safety and Health Incident Report" form (Appendix 2). Information regarding members of this department can be found under Major Event below.

Headquarters will ensure distribution to all locations and members of the Safety & Health Steering Committee.

B. Follow-up:

In the following days of any Recordable injury, the Headquarters Safety & Health Department must post an Investigation & Analysis Report on the Safety & Health portal.

C. Major Event:

Any fatality or major incident with high severity potential (internal or external personnel) must be reported immediately to Headquarters and to your Federal or Provincial Office of the Occupational Safety and Health Administration. Preliminary information must be transmitted verbally to the OVP responsible for your site. S/he will be the one responsible to contact the senior management team and CEO. In addition, contact the first person who can be reached using the following list:

Becky Burris	**Office (514) 394-3261**	**Cell (864) 421-7393**
Nicolas Pedneault	**Office (514) 394-2304**	**Cell (514) 290-7976**
Alain Grandmont	**Office (514) 394-3265**	**Cell (514) 261-0950**
Pierre Laberge	**Office (514) 394-2356**	**Cell (514) 926-4961**
Curtis Swindell	**Office (423) 336-7192**	**Cell (423) 506-8197**

D. Safety Alert:

In case of major incident occurring in our workplaces, e-mail a “Safety Alert” (Appendix 3) to Headquarters Safety & Health Department who will distribute it to all locations. Upon receiving a Safety Alert, the Safety representative for each site is responsible for ensuring compliance within their facility, as well as tracking any corrective actions taken.

E. Response from Outside Agency:

In case of a fire or any other event that required an outside agency to respond, e-mail a “Safety Alert” (Appendix 3) to Headquarters Safety & Health Department. The following persons must be notified:

Becky Burris	**Office (514) 394-3261**	**Cell (864) 421-7393**
Seth Kursman	**Office (514) 394-2398**	**Cell (514) 826-5040**
Pierre Laberge	**Office (514) 394-2356**	**Cell (514) 926-4961**

VII. Mill Evacuation Procedures

There are two types of emergency evacuation:

1. **Local -** Level I emergencies may require evacuation of the immediate affected area and other impacted areas downwind of the release.

Detailed instructions for this level of evacuation are included in Level I and Level II Emergency Section for Mill-wide chemicals. Each Department-Specific Emergency Response Plan contains any extra details that are particular for that department. All Mill Evacuation Assembly Points are in compliance with the Table of Initial Isolation and Protective Action Distances as published in the 2000 Emergency Response Guidebook, U.S. Department Of Transportation. *(based on Chlorine @ 900 ft.)*

2. **Mill-Wide -** Level II emergencies will require the initiation of a Mill-Wide evacuation and may impact the local communities. These procedures are detailed below. For those departments, which do not require Specific Emergency Response Plans, personnel should follow the procedures in this section.

A. Procedures for Level II Emergency Evacuation and Shutdown

1. Incident Commander:

Decide, in consultation with available members of the EOT, if circumstances warrant shutdown and evacuation. If so, notify the EMS/Security Officer, Main Gate, to sound the Gaitronics Emergency Alarm System to alert all respective departmental personnel to begin evacuation. The IC will, if possible and feasible coordinate all emergency operations from the Emergency Operations Center. The IC will, with input from Emergency Response Team members at the site, provide direction as to the best options for emergency escape and assembly, this information will be communicated to all departments as outlined below.

2. Site Control

The purpose of site control is to minimize potential contamination of workers, protect employees from the site's chemical and physical hazards, and facilitate HAZMAT work activities. The Incident Commander is responsible for site control and will establish Site Work Zones as described below:

1. **HOT ZONE -** The contaminated area. The boundaries of the HOT ZONE will be marked with RED Barricade Tape.

2. **WARM ZONE -** The area where decontamination activities take place. This area should be completely free of the contaminate and will be continuously monitored. If the chemical hazard is detected then the HOT Zone will be enlarged and the WARM ZONE moved back until no contaminate is detected. The boundaries of the WARM ZONE will be marked with YELLOW Barricade Tape. (No employee shall remove their SCBA until entering the WARM ZONE and after decontamination.)

3. **COLD ZONE -** an uncontaminated area where employees should not be exposed to the hazardous conditions. The boundaries of the COLD ZONE will be marked with GREEN Barricade Tape.

Establishment of WORK ZONE boundaries shall be based on air monitoring results and on an evaluation of potential routes and the amount of contaminate dispersion in the event of the release. Personnel and equipment movement among these zones will be through specific Access Control Points.

3. Security Officer, Main Gate:

Sound emergency evacuation alarm with the Mill Whistle (one short blast, repeated intermittently for three minutes). This will automatically initiate the Gai-Tronics Alarm System.

Broadcast the status of the emergency over all Mill Radio channels.

Broadcast the Emergency Evacuation information by using the Mill Wide page on Gai-Tronics Alarm System.

Broadcast the status of the Emergency, and any evacuation information over all 16 Mill radio channels.

Using “rampage” technology send a emergency page containing the status of the emergency, and any evacuation information to:

ALL_EMERGCY - Emergency Notification Trigger Page

Initiate EMS/SECURITY GUIDELINES MANUAL Sections III, IV, and VI, procedures to control access at all mill entrances. Take needed steps to prevent individuals from entering the mill through unauthorized entrances.

Notify police or McMinn/Bradley County EOC as needed to control incoming traffic flow at the following points:

- Utilize the **C**ommunity **A**wareness **E**mergency **R**esponse Notification form
- Charleston side of the Hiwassee River bridge (HWY 11)
- Both intersections of HW 163 and HWY 11
- HWY 163 and County Road 35

Set the HWY 11 traffic light at the mill entrance to a flashing yellow condition. Implement the Crisis Communication Plan as necessary.

4. Emergency Operations Team

Contact local community leaders as outlined in the **C**ommunity **A**wareness **E**mergency **R**esponse Manual (C.A.E.R.). Provides emergency logistics and planning support to the IC.

5. Departmental Supervision/Team Leader:

Each departmental supervisor or Team Leader on duty is to execute prepared shutdown and evacuation procedures. Designate an Evacuation Monitor. Ensure all personnel in the area, including contractors and vendors, are notified and instructed as to proper evacuation routes and assembly points.

6. Evacuation Monitor:

Ensure that all departmental personnel, contractors and visitors have left the area. Conduct headcount at the designated assembly points and report headcount status to EMS/Security using mill radio channel #1. Ensure all assembled individuals stay at assembly point until the “all clear” has been given.

B. Evacuation Assembly Points

The following areas are possible assembly points for mill personnel during an evacuation condition The specific set of assembly points appropriate to a given emergency condition will be determined by the

IC and the Emergency Operations Team and relayed by radio and computer terminal to all departments.

NOTE: Most mill exit points have an Emergency Gate that can be broken open in the event of an evacuation.

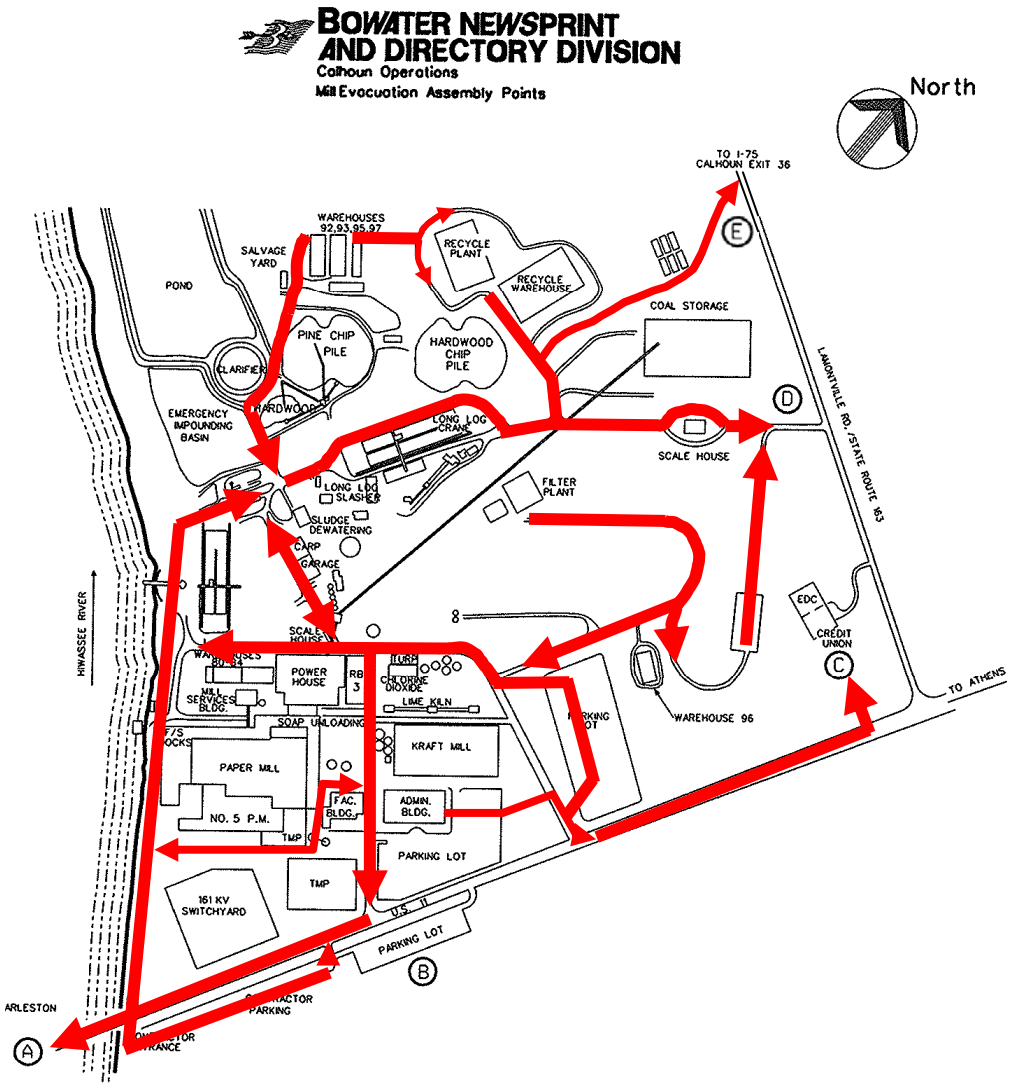
ASSEMBLY POINT A. Exit the Contractor or Main Gate, proceed south along Hwy. 11 across bridge.

ASSEMBLY POINT B. Recreation Area Parking Lot via the railroad tracks under U.S. Highway 11 Bridge, or via the Main Entrance to the mill.

ASSEMBLY POINT C. Exit North Gate behind the Kraft Mill, go through parking lot and proceed north along Hwy 11 to the Employee Credit Union Area.

ASSEMBLY POINT D. Wood Truck Road entrance.

ASSEMBLY POINT E. Exit north toward Recycle; continue on road to gate at Hwy. 163.



EVACUATION ASSEMBLY POINTS

Ⓐ EXIT THE CONTRACTOR OR MAIN GATE SOUTH ALONG U.S. HWY 11 ACROSS BRIDGE
Ⓑ RECREATION AREA PARKING LOT VIA THE RAILROAD TRACKS UNDER U.S. HWY 11 BRIDGE, OR VIA THE MAIN MILL ENTRANCE
Ⓒ EXIT NORTH GATE BEHIND THE KARFT MILL & PROCEED TO EMPLOYEE CREDIT UNION AREA
Ⓓ WOOD TRUCK ROAD ENTRANCE VIA MILL ROAD LEADING TO THE COAL YARD
Ⓔ EXIT NORTH TOWARDS RECYCLE, CONTINUE ON ROAD TO GATE AT STATE

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C. Assembly Area Inventory

Each department will appoint an Evacuation Monitor (EM). When each department's Evacuation Monitor arrives at the designated assembly point, they will make an inventory of departmental personnel, including contractors and visitors from their area. The Evacuation Monitor will notify the EMS/Security Officer, Main Gate by Mill Radio of personnel who are not at the assembly point. All personnel are to remain at the evacuation assembly point until receiving further directions from the Mill's EMS/Security personnel or the "All Clear" is sounded. Evacuation routes will be followed as designated in the Mill Evacuation Map (See Figure 9) More detailed maps of each major department evacuation routes are included as Appendix G to this plan and in each Department-specific plan.

D. Procedures for Responding to Off-Site Impacts

When the source of the emergency is an off-site event, such as release of hazardous material from a rail car, truck or the adjacent Olin/Arch plant, the procedures for responding will be somewhat different than for an on-site release.

- Notification will normally be made to EMS/Security, who should gather and record as much information as is available and immediately notify the EOT to gather at the designated Emergency Operations Center.
- The Incident Commander is the highest-ranking IC-trained member of the Emergency Response Team on site.
- EMS/Security should begin monitoring of the wind speed and direction, providing information to the IC/EOT at least every five minutes. As directed by the IC, EMS/Security may be assigned to collect air quality data at strategic locations.
- The ERT should be activated, procure emergency equipment and prepare to take actions as directed. Trained ERT members may be staged at strategic locations or used to collect air quality data at the direction of the IC (appropriate respiratory protection must be used)
- Depending on the type of release, the IC will determine the need for partial or complete Mill Evacuation. In cases where the levels of contaminant do not exceed Level I CRAL's at the plant boundary, the appropriate action may be to stay in place and shut down air handling systems until the air clears.

VIII. Medical Support/ First Aid

Emergency medical support is provided by AbitibiBowater EMS/Security/Health Services. Notification to EMS is made by dialing in-mill "7911", and providing available information regarding the injury or injuries, location and contact person. In the event of a Level I or Level II emergency, the IC should communicate to EMS/Security regarding any known injuries at the same time that the emergency is being reported.

Typical responsibilities of the EMS/Health Services staff include:

- Nurses- Provide first aid and medical treatment to injured personnel based on instructions (standing and direct) from the plant physician. If neither is available, Emergency Medical Technician - Paramedic will provide appropriate treatment.
- Emergency Medical Technicians using the plant ambulance, proceed to the closest safe location in order to evaluate the injury, stabilize the patient and transport to the local medical unit. Maintain the plant emergency medical equipment in top response condition.
- Plant Physician- Provide overall direction to the EMS and Nurse personnel.

Outside Medical Support is coordinated by EMS/ Security/Health Services, including air transport. Helicopter transport is available from Chattanooga; the landing zone for such transport has been designated as the baseball field across Highway 11 or, alternatively, at the Recycle Plant.

IX. Contractor/Vendor/Visitor Management During Emergencies

A. Contractors

It is critical that the location and activities of contractors be known at all times so that evacuation warning and accounting of such personnel can be accomplished. All contractor personnel must be provided training by their companies before entering the facility for the first time and annually thereafter to ensure they are familiar with these procedures. The following steps will be taken:

1) Contractor supervisors are required to maintain a list of their personnel who are on the Mill property at all times.
2) Upon reporting to the specific work site in the Mill, the individual contractor workers or their supervisor will sign in on a log maintained at a specified location in each department (usually the control room). When and if contractor workers leave the

departmental area, they will sign out. If their work assignment is in a new department, they will sign in at the new department location.

3) In the event of a Level I incident, the IC (through the Department Supervisor/Team Leader and/or Evacuation Monitor) will advise the contractor employees of the need to evacuate the area and which evacuation route to use.
4) In the event of a Level II incident, the IC (through the Department Supervisor/Team Leader and/or Evacuation Monitor) will notify the contractors working in the department of the need to evacuate to a specified Assembly Point, using a specified evacuation route.
   Note: Permanent contractor companies must have radios which can monitor Mill radio Channels 1, 2, and 3 or have their own Mill radio channels, or provide to EMS/Security and Safety Departments an alternate method of communication (i.e. cell phone). Therefore, these personnel should monitor the Mill Radio for instructions after hearing the Mill whistle or Gai-Tronics alarms.
5) After evacuation, the Evacuation Monitor will account for all contractor personnel listed in the sign-in log for the department, notifying EMS/Security of any contractor personnel who cannot be accounted for.

B. Vendors/Visitors

Vendors/Visitors are personnel who enter the Mill to conduct routine business, such as servicing operations or sales. All vendors/visitors will be provided with training on emergency procedures prior to entering the Mill and annually thereafter (if their duties are long-term). This training is included in the Visitor Safety Orientation Film. Trained vendors/visitors will be given personalized cards attesting to training provided and vendors/visitors unable to provide such proof of training will not be allowed to enter the Mill until retrained. In addition, the following steps will be taken:

1) Vendors/Visitors will sign in and out with Security. The Visitors Register will record the vendor company name, vendor employee(s) name, and specific location in the Mill to be visited. Vendors/Visitors should also notify the department, which they are visiting.
2) Visitors who are on an Annual Pass will be issued a proximity card that will allow them to enter and exit through the mill entrance turnstiles. The ADT security system automatically logs their entry and exit times. Annual Pass holders are not required to sign in or out with Security.

3) In the event of a Level I incident, the IC (through the Department Supervisor/Team Leader and/or Evacuation Monitor) will notify the vendors working in the department of the need to evacuate the area and which evacuation route to use.
4) In the event of an emergency evacuation (Level II), the IC (through the Department Supervisor/Team Leader and/or Evacuation Monitor) will notify vendors/visitors working in the department of the need to evacuate to a specified Assembly Point, using a specified evacuation route. EMS/Security will perform a count of evacuated vendors/visitors, based on information in the Visitors Register.

X. Training Requirements and Procedures

It is recognized that at the time an emergency occurs, there will not be enough time to look up and consult every part of this Plan. It is intended therefore, that every affected employee be familiar with their duties and responsibilities before hand. This Emergency Response Plan will be reviewed with every employee on site, Contractor Supervisor and Vendor Representative during safety orientations, annually during a monthly safety meetings, and through a Computer Based Training module completed annually.

Each major department should also be familiar with their departmental emergency response plan and process shut down procedures. Familiarization shall be the responsibility of the department managers. Any portion of either manual should be the subject of discussions at regularly scheduled safety meetings; should be reviewed when the department head decides it would be helpful; and may be the subject of “pop questions” type check-ups to determine their ability to understand this Emergency Plan.

Each department is required to review the Mill Wide Emergency Response Plan and their own Departmental Emergency Response Plan:

- ***Initially when this Plan is released for implementation;***
- ***Whenever an employee’s responsibilities under the Plan change; and,***
- ***Whenever the plan is changed.***

The Health & Safety Manager is to be notified in writing that these reviews have been completed.

A review of the Mill Wide Emergency Response Plan and Departmental Emergency Plan is a part of the orientation program for every new employee.

The details of the Mill Emergency Response Plan will be provided to each Contractor who has personnel on the Mill site. It is the responsibility of each Contractor to communicate the ERP requirements and procedures to their employees and to provide any needed additional training for their personnel. The Contractor shall provide documentation of initial and annual ERP training for their employees to the Safety Department.
The Emergency Response Team (ERT) members are required to undergo training. The types, levels and frequency of the training will vary depending on the assignment of each member of the ERT. The training requirements for the Fire Brigade are annual. The ERT trains quarterly and annually. The training requirements for members of the Hazmat Team are included in Appendix I. Members must demonstrate competency in their assigned role and continual review and practice is necessary.

XI. Emergency Response Drills

The Emergency Response Team will be provided an opportunity at periodic intervals (at least annually) to assemble as a group and practice their skills. This will serve as in-house refresher training and will also permit the inventory and condition of the response equipment including personal protective equipment.

A Mill-Wide evacuation drill should be conducted at least annually. Such drills can be scheduled at times when Mill operations will not be compromised.

Observers will be designated to evaluate the effectiveness of the drills, take notes on potential problem areas and report to department supervisors and the EOT on the results of the drill activity. The **Emergency Operations Team** will review such activities and make any needed changes to these procedures.

XII. Incident Investigation Procedures

Within 48 hours of any incident requiring activation of the Emergency Response, the Vice President and Resident Manager or his designee will meet with all personnel involved in the mitigation and control of the incident. This debriefing will:

1. Identify any preliminary corrective actions in systems, operations, policies, or procedures to prevent recurrence or assist in recovery; the investigation will also include a critique of the emergency response actions.

2. Clearly identify those responsible for follow-up and implementation. This investigation team will include Mill Management; member of the Safety Department; affected Departmental Supervisors; the Incident Commander any Contractors/Vendors known to be involved in the incident; other persons as designated by the Mill IC who are knowledgeable of the process or incident.
3. Establish a time line for completion of the Investigation Report and follow-up on recommendations.

A report shall be prepared at the conclusion of the investigation that includes at a minimum:

(i) Date of incident;

(ii) Date investigation began;

(iii) A description of the incident;

(iv) The factors that contributed to the incident; and,

(v) Any recommendations resulting from the investigation.

The Mill Manager shall establish responsibility to promptly address and resolve the incident report findings and recommendations. Resolutions and corrective actions shall be documented by using the Accident/Incident Investigation database, which is located on the mill's computer system. The report shall be reviewed with all affected personnel whose job tasks are relevant to the incident findings including contract employees where applicable. Incident investigation reports shall be retained for five years.

APPENDIX A - Key Personnel/Emergency Contact List

Revised March 2010

Position	Name	Office	Home	Pager	Cellular
V.P. & General Manager	Joe Vaughn	336-7200	339-1256	N/A	715-1406
Maintenance Manager	Winton Westberry	336-7333	N/A	513-0096	650-8623
Production Manager-Paper	David Holt	336-7420	790-1642	N/A	385-5874
Manufacturing Excellence Manager	Chuck Krecklow	336-7786	476-3059	513-9191	310-5660
Mfg. Services Manager	Keith Dennis	336-7580	803-984-3169	N/A	715-2964
Technical Manager	Rob Martin	336-7594	N/A	N/A	715-7736
Health & Safety Manager	Larry Vest	336-7217	478-1643	513-9697	413-8085
Safety Engineer	Scott Edgemon	336-7639	462-2611	221-0080	664-2768
Pulp and Utilities Manager	Scott Palmer	336-7132	336-2380	N/A	650-6376
Environmental Manager	Lori Chalker	336-7591	706-597-7030	N/A	N/A
Technical Manager	John Griffey	336-7559	476-2169	513-9695	650-0158
HRD Director	Jim Brigham	336-7727	728-3698	N/A	715-4952

Liaison Contacts

Position	Name	Office	Home	Pager	Cell
Environmental Director	Lori Chalker	336-7591	706-597-7030	N/A	706-597-7030
Radiation Safety Officer	Larry Vest	336-7217	478-1643	513-9697	413-8085
Public Information Officer	Jim Brigham	336-7727	728-3698	N/A	715-4952
Technical Manager	Rob Martin	336-7594	N/A	N/A	715-7736

Direct Inward/Outward Telephones (May be used during complete mill phone outage)

Location	Number
Powerhouse Turbine Operator	**336-3465**
Main Guard Office & Gate #4	**336-2160** **336-9865**
Powerhouse control room 3rd Floor	**336-8258**

Community Emergency Contact List

Contact Name/Organization	Telephone
McMinn County	
McMinn County EOC	**745-3140 or 744-2724**
McMinn County Sheriff Office	**745-3140**
Calhoun Fire Department	**745-4444 (911)**
Calhoun Police Department	**745-4444 (911)**
Calhoun Elementary School	**336-2974**
Athens Regional Hospital	**744-3227**
Woods Memorial Hospital	**263-3625**
Advent Home	**336-5052**
Bradley County	
Bradley County Emergency Mgmt. Agency	**476-0606**
Bradley County Sheriff's Office	**476-0680**
Sky Ridge Hospital	**559-6183**
Charleston Police Department	**476-0492**
Charleston Fire Department	**476-0492**
Charleston Schools	**336-2232**

RACES Pager – Randall Walsh	**550-2079**
Cleveland Fire Department	**472-2182**
Other	
Tennessee Highway Patrol	**634-6890**
National Response Center (Chemical/Oil Spills)	**1-800-424-8802**
Olin Chemicals (Guard Office)	**336-4220**
Tennessee Emergency Management Agency	**1-800-262-3300**
State Weather Service (Morristown)	**423-586-8706**
B & B Marina	**336-2341**
Duke Energy – Natural Gas Line	**888-231-2294** **931-839-2268**
Factory Mutual (Insurance Carrier) (Calhoun Mill is Index #84715.10)	**1-888-216-9323**
Norfolk Southern CYO (Cleveland Desk)	**1-800-898-4296**
NS Trainmaster (Jimmy McKeehan)	**1-865-474-0311**
Asst. NS Trainmaster (Barrett Barnes)	**1-865-278-8138**
NS Road Foreman (Dennis Webb)	**1-423-295-3660**
CSXT Customer Service	**1-877-744-7279 (option 5,6)**
CSXT Yard	**1-423-263-2063**
AbitibiBowater Corporate Media Contact – Debbie Johnson	**936-414-1876**

Motorola Radio Channels

Chan.	Description	RX-FREQ	TX-FREQ	RX SQUELCH	TX SQUELCH
1	Primary Security	154.54000	154.54000	TPL100.0	TPL 100.0
2	Secondary Security	153.15500	153.15500	TPL100.0	TPL100.0
3	Mutual Aid	154.75500	156.01500	TPL100.0	TPL100.0
4	State-Wide EMS	155.20500	155.20500	CSQ	CSQ
5	Charleston PD	155.67000	155.67000	TPL114.8	TPL114.8
6	Charleston FD	154.14500	150.49000	TPL100.0	TPL100.0
7	Olin Security	153.12500	153.12500	TPL123.0	TPL123.0
8	McMinn Cty FD			CSQ	CSQ
9	McMinn Cty Sheriff	155.70000	154.83000	TPL114.8	TPL114.8
10	Bradley Cty EMS	154.20500	Blank	CSQ	
11	Bradley Cty Sheriff	155.53500	Blank	TPL100.0	
12	Polk Cty Sheriff	154.86000	Blank	TPL100.0	
13	Polk Cty Rescue	154.38500	Blank	TPL100.0	
14	Bradley Cty FD	154.28000	Blank	CSQ	
15	Chattanooga Weather	162.55000	Blank	CSQ	
16	Athens FD	154.34000	Blank	TPL100.0	

SPILL/RELEASE REPORTING PLAN

Revision: 12/1/2010

SPILL/RELEASE REPORTING PLAN

The purpose of the spill/release reporting plan is to provide guidance as to what, when, and to whom Spill/Releases must be reported.

The Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) requires that releases be reported to the National Response Center (NRC) as soon as the person in charge of a facility has knowledge that a release in excess of the reportable quantity has occurred in a 24-hour period (This does not mean you have 24-hours to report it). The Superfund Amendments and Reauthorization Act (SARA) require immediate reporting of off-site releases of hazardous substances. The Environmental Protection Agency feels immediate is five minutes or less.

For reporting purposes, the environment is any water, air, or land surface and would include such things as spills to rivers, underground pipe breaks, gas releases, and etc.

This is intended to provide immediate guidance for those materials most likely requiring reporting if released. All chemicals on-site are undergoing review for hazardous constituents and additional substances will be added as identified.

TO WHOM TO REPORT

Person or Designee Identifying Release:

Call the Security Guard at 7230 and provide information immediately available. State if there have been any injuries or if there is a need to evacuate either the mill or the community. Take appropriate actions to minimize and contain release.

Security:

Step 1 Make initial determination if any immediate precautions (i.e. evacuation) are necessary.

Step 2 If it appears that a release warrants community evacuation (i.e. significant gas release) immediately notify:

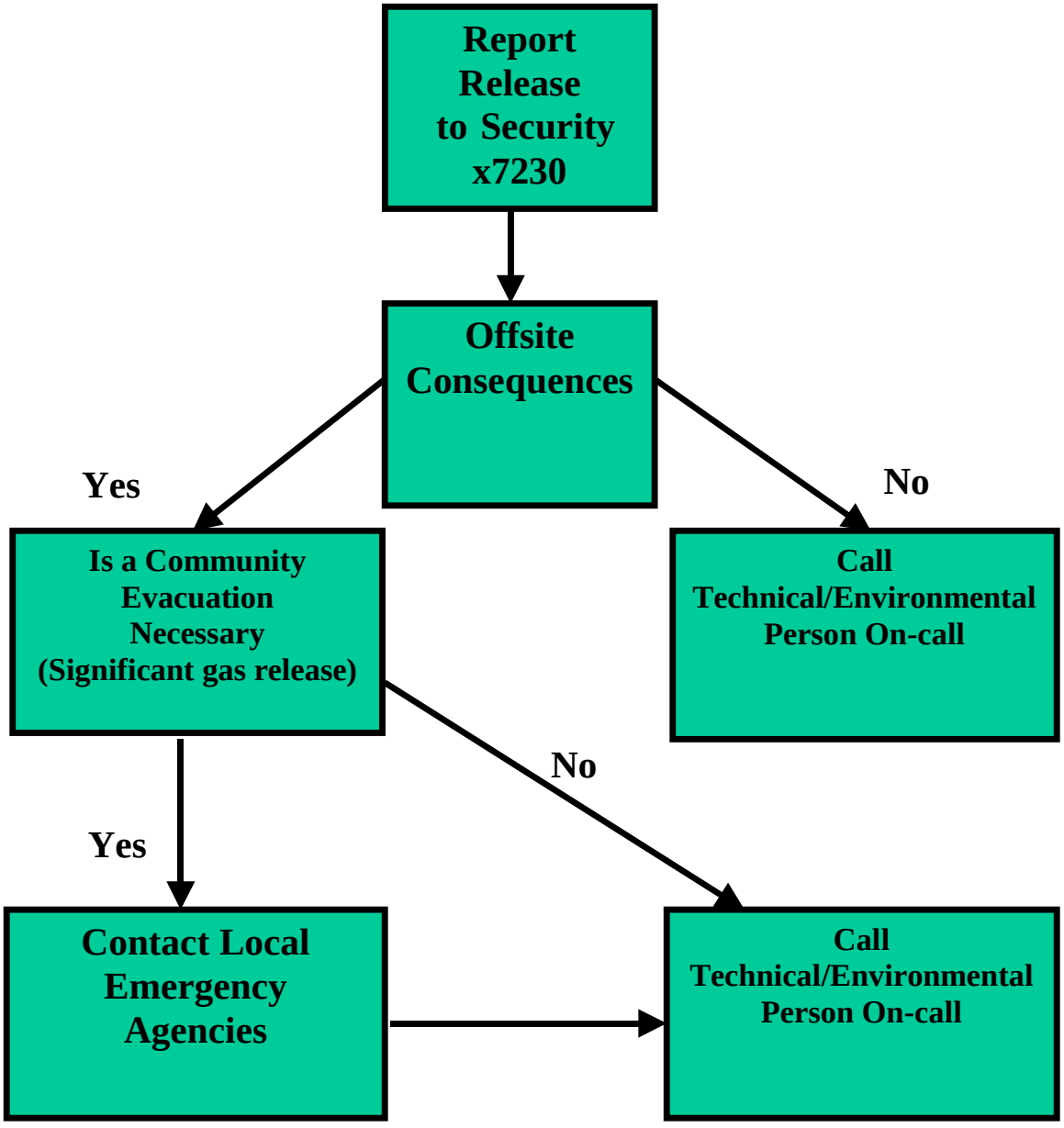
Athens Communications Center (LEPC)	**745-3140**
Bradley County Sheriff's Dept.	**728-7314**
Bradley County Emer. Mgmt. Agency	**728-7289**
Cleveland Fire Department (if needed)	**472-2181**
Charleston Fire Department	**336-5731**
Calhoun Fire Department	**336-2348**

Be prepared to provide information on the Chemical(s) involved, i.e. chlorine and what action is immediately needed.

Step 3 If Step 2 is not necessary, or after completing Step 2 requirements, call the Technical/Environmental person on-call or any of the following:

Name	Ext.	Home	Cell	Pager
Lori Chalker	**7591**	**423-790-7445**	**315-4128**	**513-9940**
Pat Marcrom	**7690**		**618-8551**	**513-0021**
John Griffey	**7559**	**476-2169**	**650-0158**	**513-9695**
Alan Seiter	**7593**		**667-6258**	**513-9189**
Rick Kennedy	**7291**	**745-5082**	**506-1019**	

Release Reporting Decision Tree



After contacting Environmental, call the Emergency Key Personnel list and refer to Emergency Procedures Manual. Determine if substance released requires notification under CERCLA of SARA (See attached reporting requirements). If so, the Environmental Department and/or Mill Management personnel will notify the following Emergency Agencies:

Athens Communication Center	**745-3140 (off-site release only)**
TEMA	**1-800-262-3300**
EPA Region IV	**1-404-562-8700**
TDEC	**1-423-634-5745**
National Response Center	**1-800-424-8802**

XIII. REPORTING REQUIREMENTS

CERCLA (Comprehensive Environmental Responsibility, Compensation with Liability Act) Hazardous Substances and **SARA** (Superfund Amendments and Reauthorization Act) Extremely Hazardous Substances are identified on the attached.

Regulatory Reporting Requirements are:

Hazardous substances spilled in excess of the RQ (Reportable Quantity) to the environment and stays on-site require notification to **TEMA and NRC.** A courtesy call to the **Athens Communications Center** may be warranted if the release is significant.

Hazardous substance releases that exceed RQ and go off-site either through air, water or land, must be reported to Athens Communication Center, TEMA, and NRC. Others as appropriate if outside assistance is needed.

Discharges of oil to the Hiwassee River that cause a film, sheen, or discoloration of the surface must be reported to the NRC.

The above are required contacts and should be made by the Environmental Department. Additional informational calls will be made to state agencies/departments as deemed appropriate by the Environmental Department.

What to Report to the Agencies

1. **Hazardous substance and RQ (total lbs)**
2. **Estimated release (total lbs)**
3. **Time and duration of release**
4. **Where material was released to (i.e. air, ground, water)**
5. **Any known or anticipated health risks associated with the emergency and what appropriate advice regarding medical attention necessary for exposure to individuals (See MSDS sheet)**
6. **Any precautions that have or need to be taken (i.e., evacuation)**
7. **Name and telephone number of persons to be contacted.**

Indicate if any assistance is or is not required (i.e. blocking highways, ambulances, fire trucks, emergency response teams). The person you talk to will probably not be able to accurately assess and respond to the release without your personal input.

Reportable Chemicals

Chemical	CERCLA Hazardous Substance	Reportable Quantity RQ	Approximate Volume Containing RQ (100% Basis)
Weak Black Liquor	Sodium Hydroxide (1%)	1,000 lbs.	11,990 gallons
Medium Black Liquor	Sodium Hydroxide (2%)	1,000 lbs	7,895 gallons
Heavy Black Liquor	Sodium Hydroxide (3%)	1,000 lbs.	3,800 gallons
White Liquor	Sodium Hydroxide (12%)	1,000 lbs.	1,111 gallons
Green Liquor	Sodium Hydroxide (3%)	1,000 lbs.	6,667 gallons
Hydrochloric Acid	Hydrochloric Acid (40%)	5,000 lbs.	1,260 gallons
Aluminum Sulfate	Aluminum Sulfate (28%)	5,000 lbs.	1,585 gallons
Sodium Bisulfite	Sodium Bisulfite (44%)	5,000 lbs.	987 gallons
Methanol	Methanol (100%)	5,000 lbs.	757 gallons
Phosphoric Acid	Phosphoric Acid (75%)	5,000 lbs.	352 gallons
Sodium Hydroxide	Sodium Hydroxide (20-30%)	1,000 lbs.	308 gallons
Aqua Ammonia	Ammonium Hydroxides	1,000 lbs.	133 gallons
Sulfuric Acid	Sulfuric Acid (100%)	1,000 lbs.	65 gallons
Sodium Hypochlorite	Sodium Hypochlorite (15%)	100 lbs.	63 gallons
Chlorine	Chlorine	10 lbs.	N/A (Gas)
Hydrogen Sulfide	Hydrogen Sulfide	100 lbs.	N/A (Gas)
$Cl0_2$	Chorine Dioxide	N/A	N/A (Gas)

APPENDIX C - Fire Control Procedures

XVI. EMERGENCY RESPONSE TEAM (ERT)

All Emergency Response Team members will receive training at least quarterly, and they must be in good health and physically capable of performing the duties assigned.

The local Calhoun and Charleston city fire departments will provide backup assistance to the ERT when needed.

Structural Fire Brigade Functions -

- Use of fire suppression system to control fire, including fire extinguishers, fire hoses, foam, and the fire truck.
- Rescue personnel from threatening fire occurrences.
- Search for individuals who cannot be accounted for.
- Assess the fire situation and decide on a course of action.
- Prevent and minimize damage to buildings and contents from fires and fire control activities.
- Follow the incident management system during a fire.
- Other functions, as needed, provided such functions are within the scope of fire brigade training.

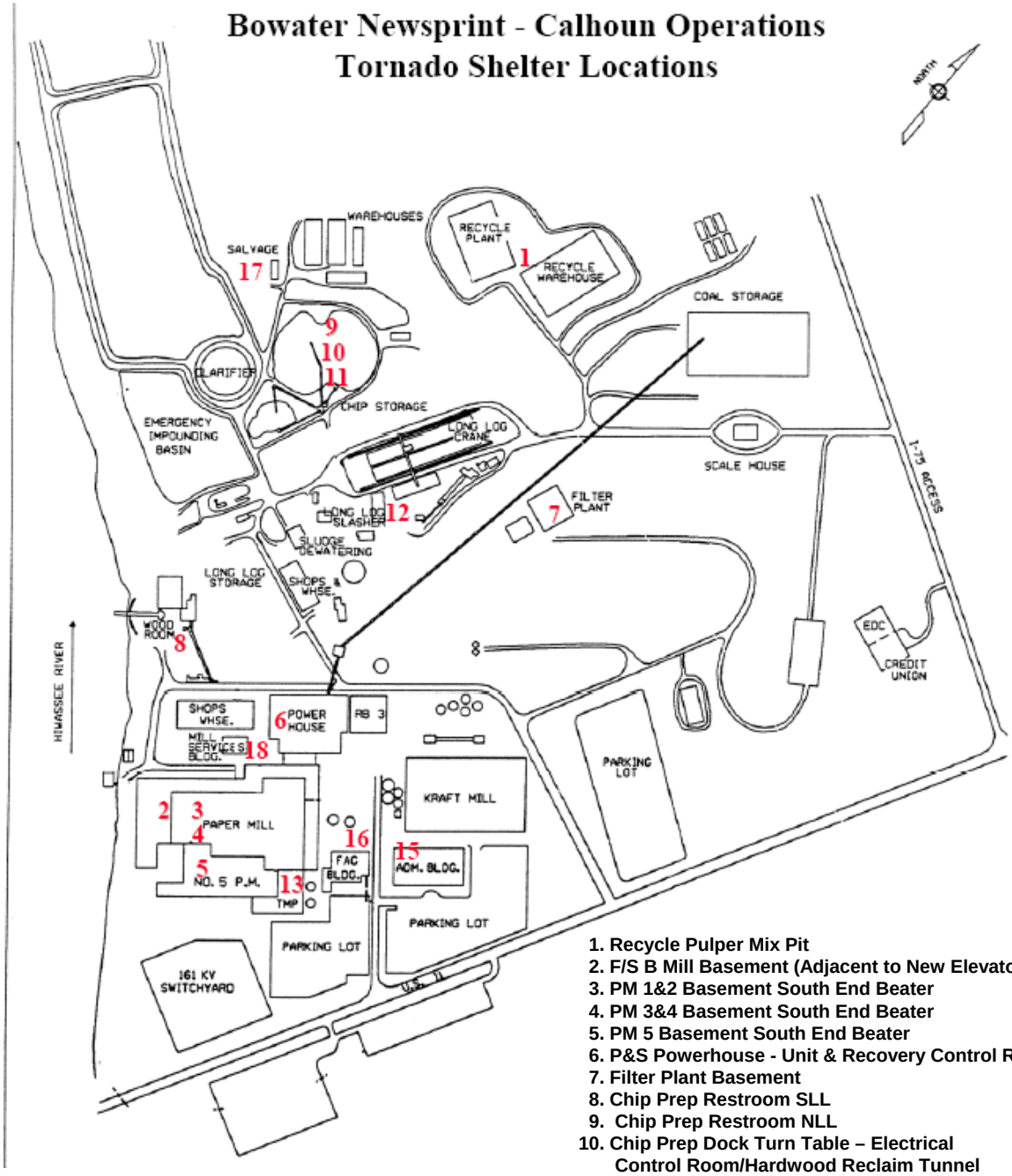
Incipient Fire Brigade

Members will consist of operating personnel. Duties and responsibilities will be outlined below. Individuals will be trained annually.

Incipient Fire Brigade Function -

Call the ERT Team and use portable extinguishers, water hoses, and fire hoses up to 1 l/2" to extinguish initial fire. Individuals will evacuate area if fire cannot be extinguished or they would put themselves at risk to extinguish the fire.

APPENDIX D - Storm Shelter Locations



1. Recycle Pulper Mix Pit
2. F/S B Mill Basement (Adjacent to New Elevator)
3. PM 1&2 Basement South End Beater
4. PM 3&4 Basement South End Beater
5. PM 5 Basement South End Beater
6. P&S Powerhouse - Unit & Recovery Control Rooms
7. Filter Plant Basement
8. Chip Prep Restroom SLL
9. Chip Prep Restroom NLL
10. Chip Prep Dock Turn Table – Electrical Control Room/Hardwood Reclaim Tunnel
11. Chip Prep South Pine Reclaim Tunnel
12. TMP Basement (NEW)
13. TMP Basement (OLD)
14. Kraft Mill -Operating Floor North End – Bathrooms Basement Fire Water Header Building – North & East
15. Admin. Bldg. - Center Restrooms/Information Technology Office Area & Conference Room
16. Facilities Bldg. - Ladies Restroom/Foreman's Locker Room/Health Services Storage Room/Safety Storage Room
17. Warehouse - Salvage Yard (No Longer in Use)
18. Mill Services Bldg. - Stairwells

APPENDIX E - Terrorism/ Bomb Threat Procedures

ABITIBIBOWATER

CALHOUN OPERATION

EMERGENCY RESPONSE PLAN

BOMB THREAT

November 1989

Revised 3/15/10

Receipt of the Threat

Guidance to employees who receive telephone threats is provided in the Bomb Threat Information Sheet that appears at the end of these Procedures.

A bomb threat is rarely made in person and is sometimes transmitted in writing. A bomb threat made in writing should be handled carefully and touched by as few persons as possible and the envelope or any other accompanying materials should be retained and preserved. Observing these simple precautions can be extremely helpful to a post-incident investigation.

Initial Response

When the EMS/Security Office receives, or is informed of a bomb threat, the following initial actions will be:

- Notify the Emergency Response Team to establish Incident Command System.
- Notify the Emergency Operations Team or Mill Front and Back End On Call Managers
- Notify the Health and Safety Manager

Evaluation

Evaluation of a bomb threat will be made by the Emergency Response Team. Evaluation will be made on the basis of all facts available at the time. Many of the available facts will be obtained from the person who received the bomb threat. Evaluation is the process for judging the credibility of the threat. When a threat is judged to be false, the evaluators may elect to take no action. An example might be a bomb threat made by a child over the telephone. When a threat is judged to have possible credibility, the Incident Commander will make one of three following decisions:

- To search without evacuation.
- To evacuate, partially or fully, and then search.
- To evacuate and not search.

When a threat is judged to have no credibility at all, the decision will be to take no action.

Evacuation Options

If a credible bomb threat is received and if the decision is not to evacuate, the Incident Commander will notify EMS/Security to make a Gaitronics announcement to the effect that:

- A bomb threat has been received.
- There is no reason to believe that anyone is in danger.
- The decision has been made not to evacuate.
- Any person in the building who wishes to leave may do so.

If the decision is to evacuate, the announcement will include brief instructions to employees to:

- Take with them any personal belongings (particularly purses, briefcases, and packages).
- Make a quick visual surveillance of their immediate work areas for the purpose of detecting suspicious objects.
- Report their suspicions to EMS/Security personnel as they leave the facility.

The decision to evacuate will take into consideration the location of a suspect bomb. The evacuation announcement will direct evacuees away from the danger zone.

Total evacuation will not be an automatic response. Partial evacuation would be an appropriate response in those instances where the bomb threat caller mentions a specific location.

Communications

There have been very few recorded instances of explosive charges triggered by radio frequency energy. Generally, therefore, it is considered that use of hand-held radios to assist in search procedures is not a serious hazard. However, do not operate a hand-held radio within a radius of ten feet from the suspicious object. If in doubt, use the telephone as the primary means of communication.

Suspicious Object

If a suspicious object is found, the finder will call the EMS/Security Office without delay, ensuring first that the suspect device is not touched or moved by any other searcher or uninformed bystander. These actions will follow the discovery of a suspicious object:

- The EMS/Security Office will notify the Emergency Response Team to establish an Incident Command System, then notify the Emergency Operations Team and the EMS/Security Supervisor. The Emergency Operations Team will ask the Sheriff's Department to take command of the situation with respect to handling of the suspect bomb.
- Depending on the circumstances, a partial or full evacuation may be implemented.
- The EMS/Security Office will ensure that the McMinn County EOC has been notified and that EMS and Health Services personnel are on stand-by.

Coordination

The EMS/Security Office will serve as the focal point of telephone communications during a bomb incident. At the earliest possible moment following the initiation of a bomb incident, the Emergency Operations Team and the EMS/Security Supervisor will proceed to the Emergency Operations Center to coordinate management of the incident with the Incident Commander.

If the EMS/Security Office and the Emergency Operations Center are within the danger zone posed by the bomb, all personnel in that area will evacuate to an alternate site. Before leaving the EMS/Security Office, the telephones will be placed on call forwarding to that location.

Police Involvement

The initial notice to the McMinn County EOC of a bomb incident will most likely result in a patrol unit being sent to the Emergency Operations Center. Depending on the nature of the threat, the police will decide what other notifications are appropriate with respect to the fire department and bomb disposal unit. The principal functions of the police will be to:

- Provide guidance to the Emergency Operations Team.
- Conduct certain limited searches of areas surrounding a suspect device.
- Dispose of suspect devices.

AbitibiBowater, Calhoun Operations Bomb Threat Information Sheet

Please use the following guidelines to assist you in recording information obtained

AbitibiBowater, Calhoun Operations
Bomb Threat Information Sheet

Threat language.

__ Well spoken (educated)
__ Foul
__ Irrational
__ Other impressions _____
_____

__ Message read by the threat maker
__ Incoherent
__ Taped

Background sounds.

__ Office Machinery
__ Factory machinery
__ Street Noises
__ Crockery
__ Voices

__ PA System
__ Music
__ House
__ Motor
__ Animal Noises

__ Clear
__ Static
__ Local
__ Long distance
__ Other impressions

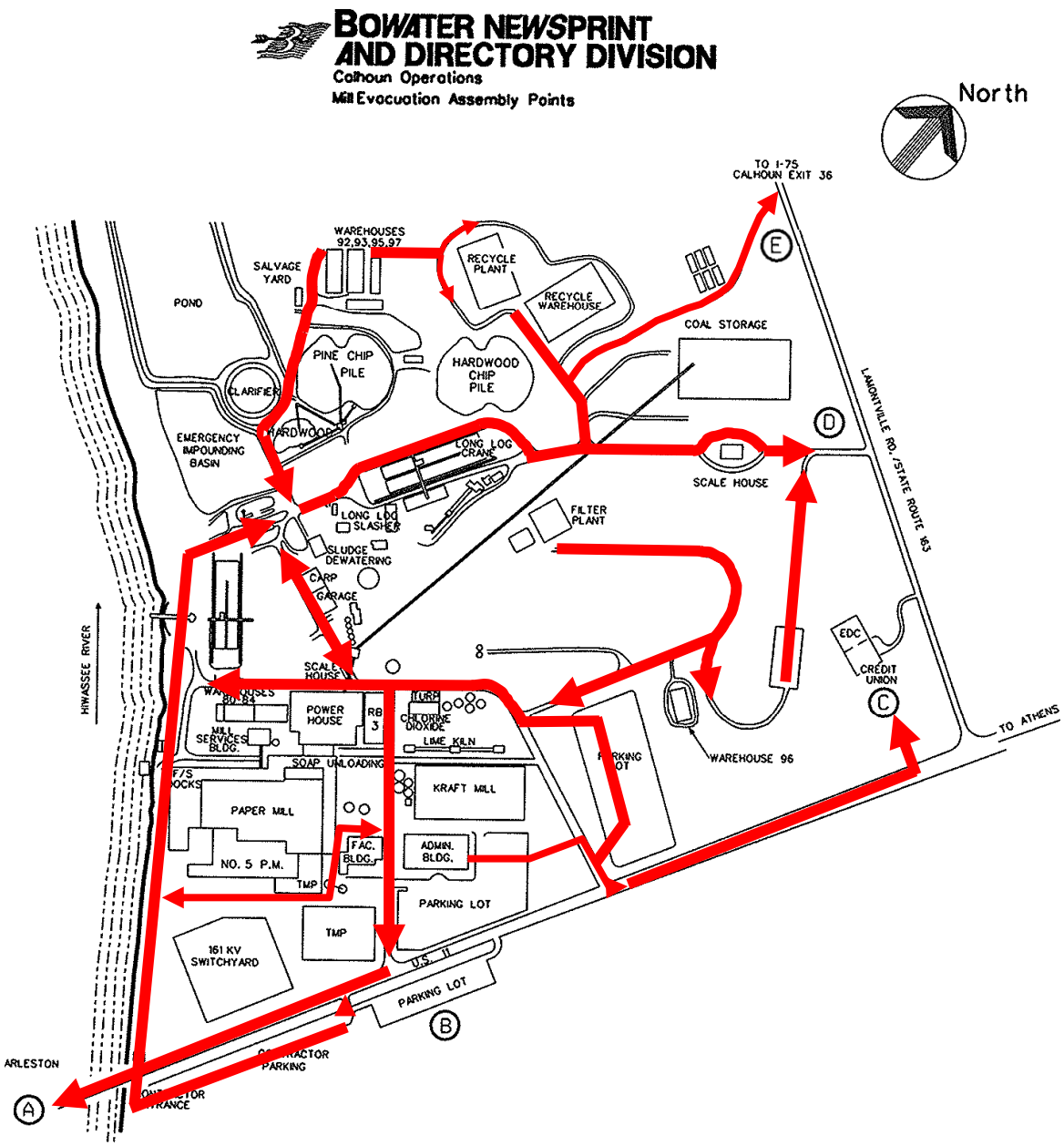
_____
_____
_____
_____

Your Name: _____ Department _____
Number of phone that call was received on: _____
Date and time call was received: _____

After a threat is received, report the call immediately to the EMS/Security Office at 7230. Do not discuss this call with anyone other then your immediate supervisor and EMS/Security personnel.

EMERGENCY CONTACTS

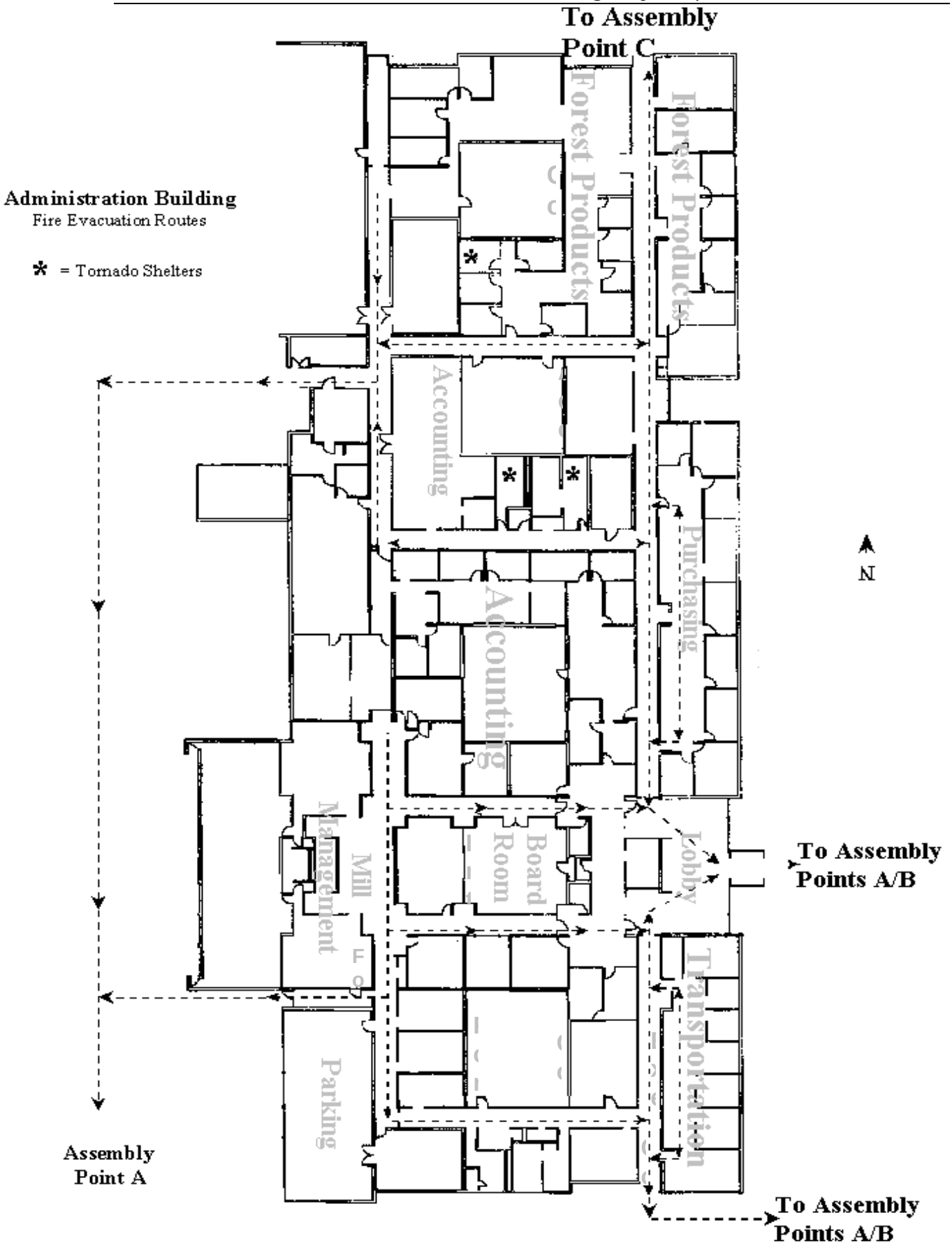
APPENDIX G - Mill Evacuation Route Maps and Assembly Points



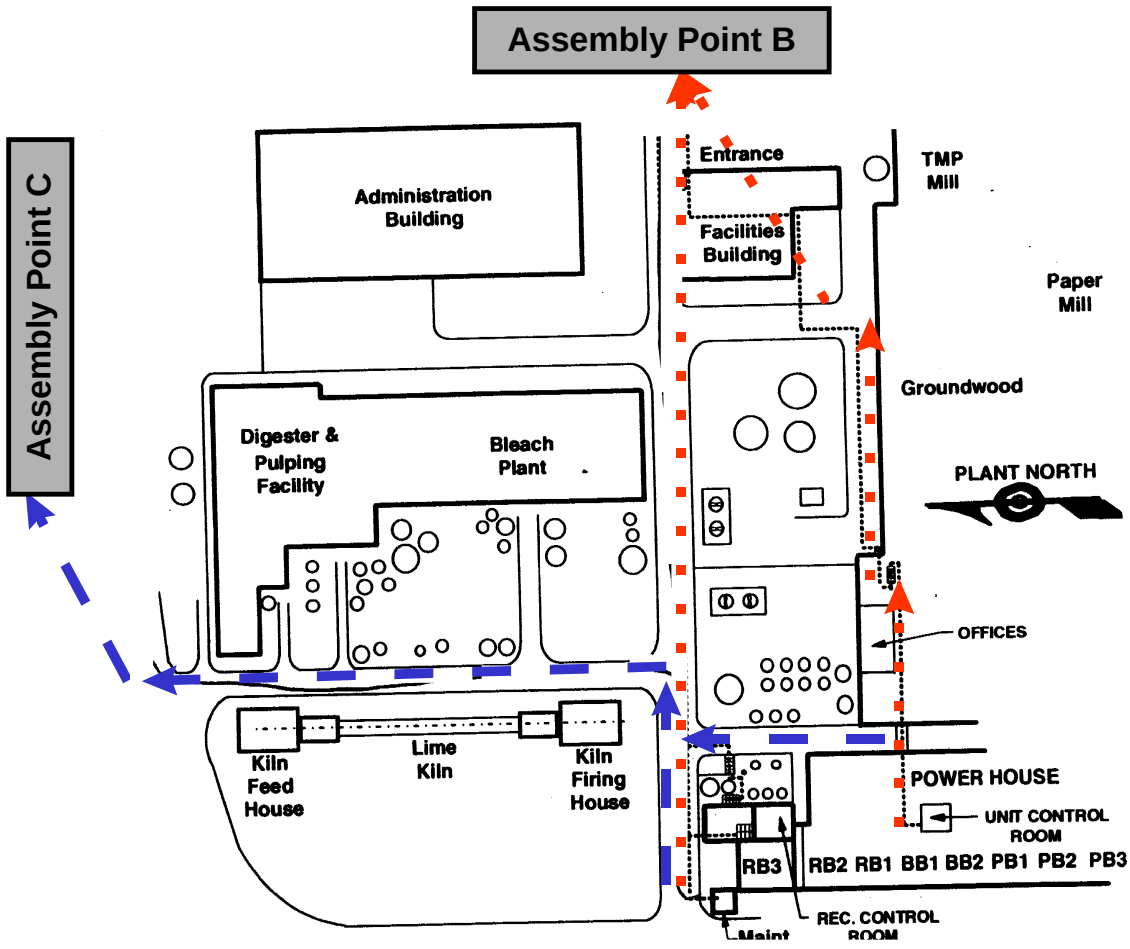
EVACUATION ASSEMBLY POINTS

Ⓐ EXIT THE CONTRACTOR OR MAIN GATE SOUTH ALONG U.S. HWY 11 ACROSS BRIDGE
Ⓑ RECREATION AREA PARKING LOT VIA THE RAILROAD TRACKS UNDER U.S. HWY 11 BRIDGE, OR VIA THE MAIN MILL ENTRANCE
Ⓒ EXIT NORTH GATE BEHIND THE KARFT MILL & PROCEED TO EMPLOYEE CREDIT UNION AREA
Ⓓ WOOD TRUCK ROAD ENTRANCE VIA MILL ROAD LEADING TO THE COAL YARD
Ⓔ EXIT NORTH TOWARDS RECYCLE, CONTINUE ON ROAD TO GATE AT STATE HWY 163

March 2010


To Assembly Point C
Administration Building
Fire Evacuation Routes
* = Tornado Shelters
Forest Products
Forest Products
Accounting
Accounting
Purchasing
N
Management
Mill
Board Room
Lobby
To Assembly Points A/B
Parking
Transportation
Assembly Point A
To Assembly Points A/B

Power Plant Evacuation Routes



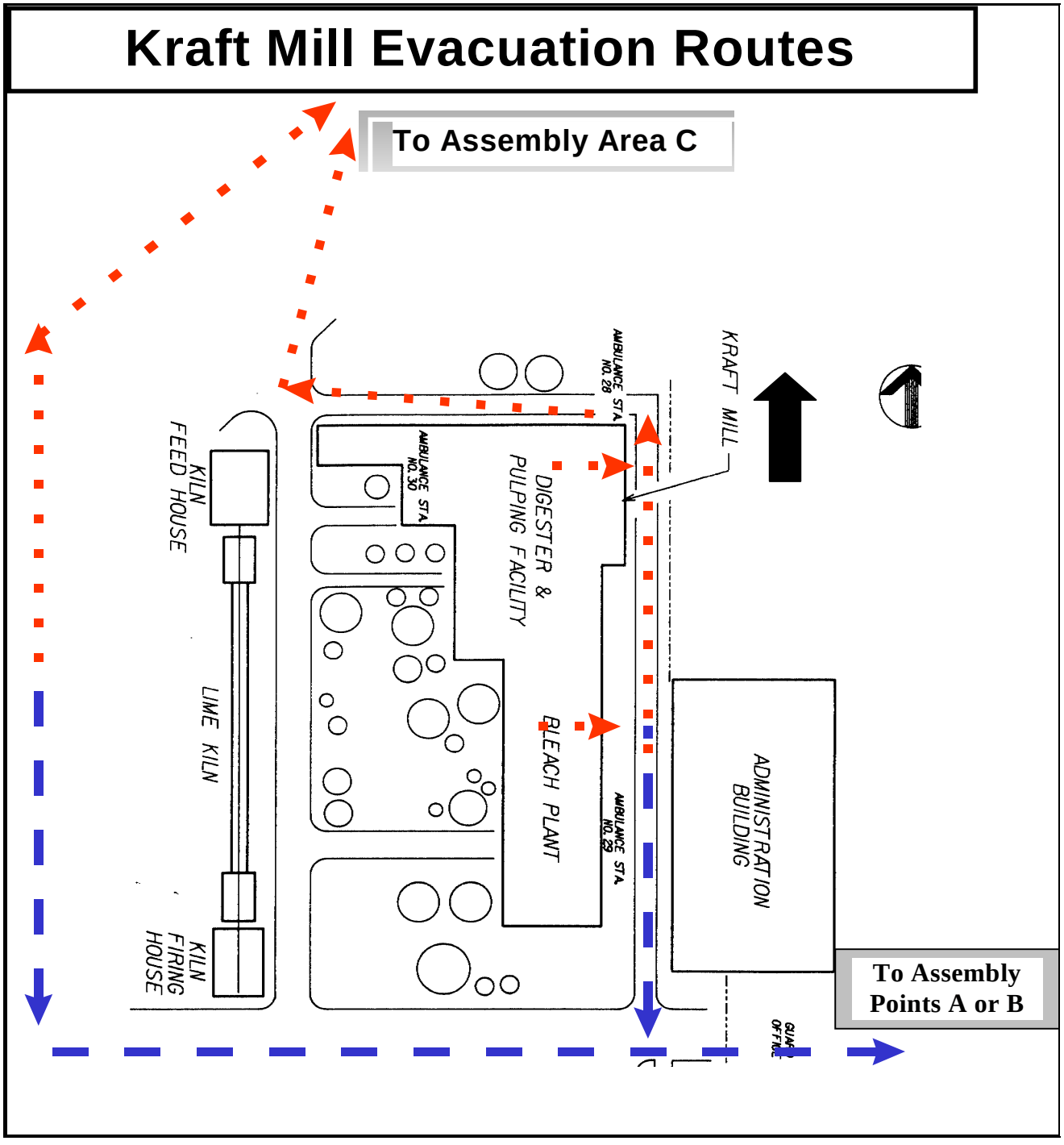
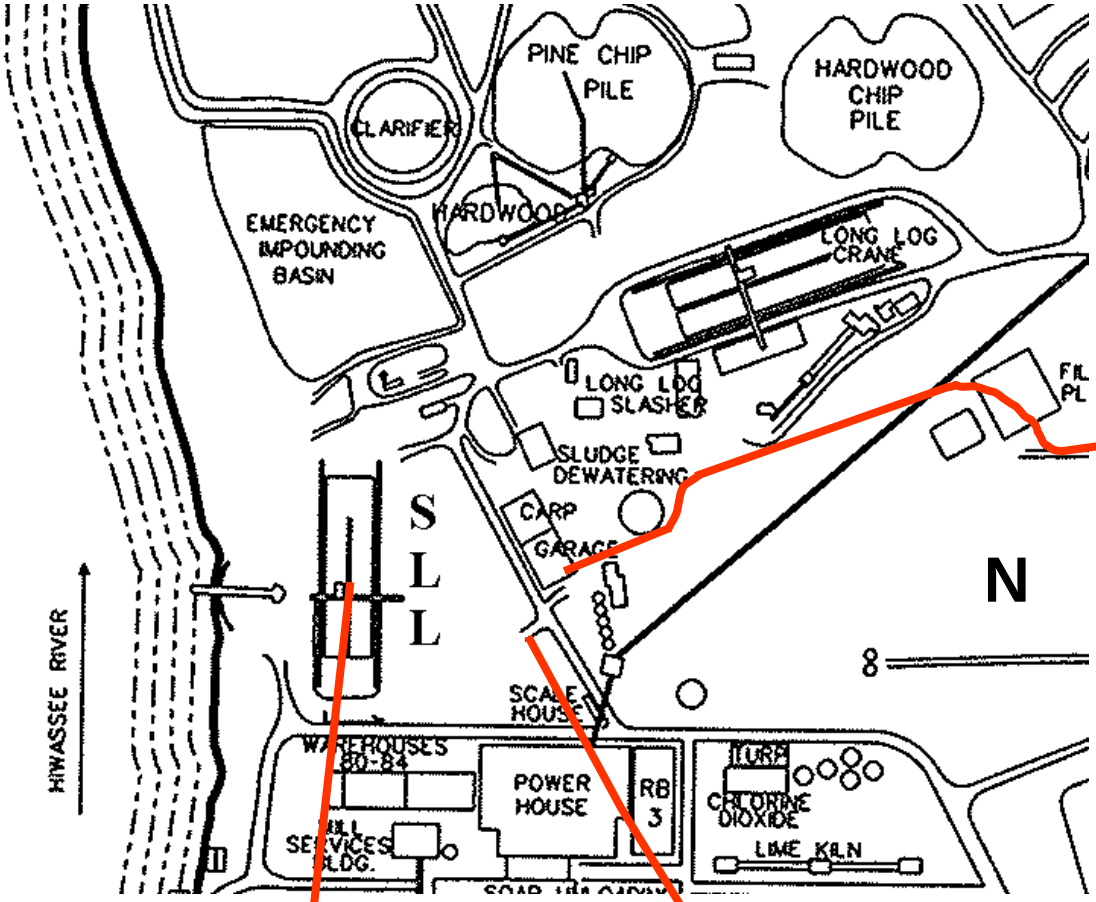


Figure 6 - Kraft Mill Evacuation Routes

Chip Prep Emergency Evacuation Routes

Chip Prep Area Evacuation



To Assembly Point E

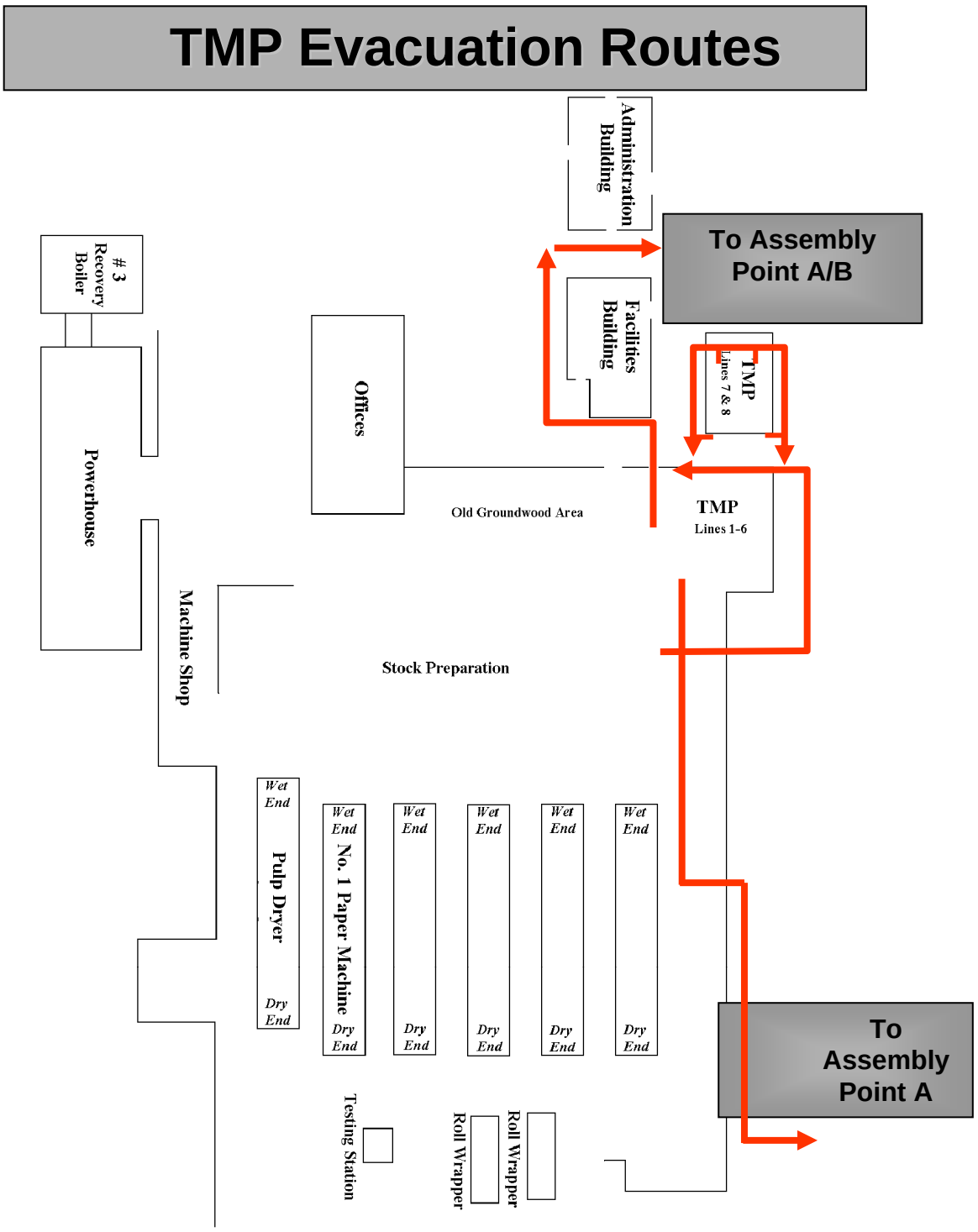
To Assembly Point D

To Assembly Point A

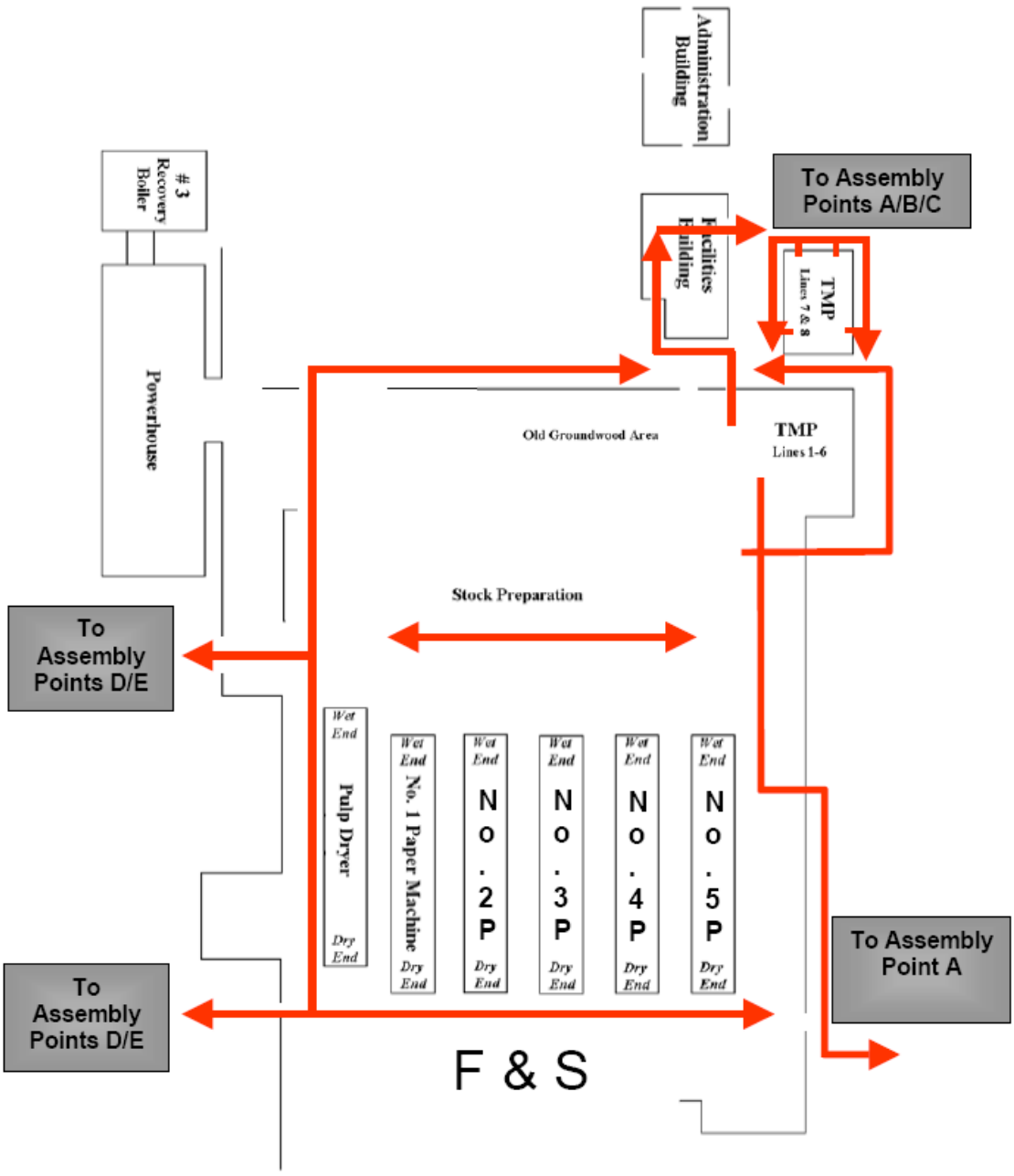
To Assembly Points A/B

To Assembly Point C

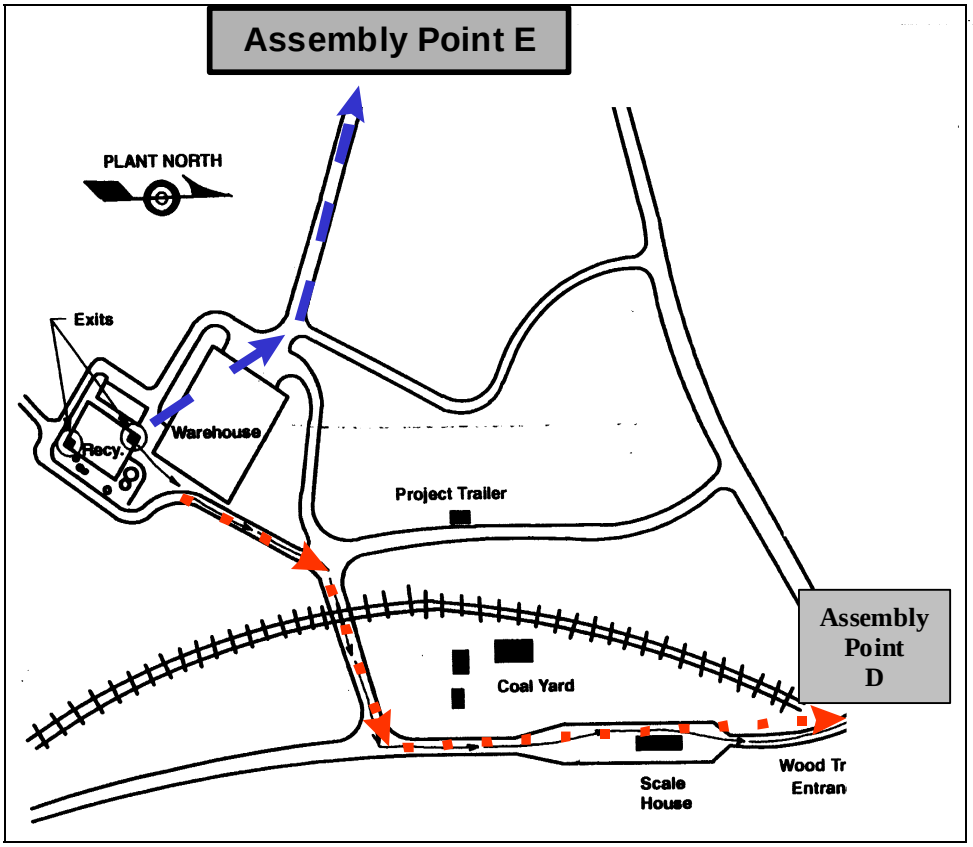
TMP Department Evacuation Routes



Paper Mill Evacuation Routes



Recycle Emergency Evacuation Routes



APPENDIX H - Regulatory Cross Reference

Regulatory Cross Reference

Regulatory Reference	Description	Addressed in Emergency Response Plan Section:
1910.120(q)(2)(i)	Pre-emergency planning and coordination with outside parties	Section IV, Types of Emergencies and Response Actions
1910.120(q)(2)(ii)	Personnel roles, lines of authority, training and communication	Section V, Mill Emergency Response Team; Section VI, Section XI, Training Requirements and Procedures
1910.120(q)(2)(iii)	Emergency recognition and prevention	Section IV, Types of Emergencies and Response Actions
1910.120(q)(2)(iv)	Safe distances and places of refuge	Section VII, General Evacuation Procedures; Department-Specific ERP's
1910.120(q)(2)(v)	Site security and control	Section III, Definitions; Section V, Mill Emergency Response Team Org.; Section VII, General Evacuation Procedures
1910.120(q)(2)(vi)	Evacuation routes and procedures	Section VII, General Evacuation Procedures
1910.120(q)(2)(vii)	Decontamination	Department-Specific ERP's, for potential contaminants in their areas.
1910.120(q)(2)(viii)	Emergency medical treatment and first aid	Section VIII, Medical Support, First Aid
1910.120(q)(2)(ix)	Emergency alerting and response procedures	Section VII, General Evacuation Procedures
1910.120(q)(2)(x)	Critique of response and follow-up	Section XIII, Incident Investigation Procedures
1910.120(q)(2)(xi)	PPE and Emergency Equipment	Department-Specific ERP's
1910.119(m)	Incident Investigation	Section XIII, Incident Investigation Procedures

Regulatory Cross Reference

Regulatory Reference	Description	Addressed in Emergency Response Plan Section:
1910.119(n)	Emergency planning and response	Plant and Department-Specific ERP's as a whole
1910.38(a)(2)(i)	Emergency escape procedures and emergency escape route assignments	Section VII, General Evacuation Procedures, Department-Specific ERP's
1910.38(a)(2)(ii)	Procedures to be followed by employees who remain to operate critical plant operations before they evacuate	Section VII, General Evacuation Procedures; Department-Specific ERP's
1910.38(a)(2)(iii)	Procedures to account for all employees after emergency evacuation has been completed	Section III, Definitions; Section VII, General Evacuation Procedures
1910.38(a)(2)(iv)	Rescue and medical duties for those employees who are to perform them	Section III, Definitions (Confined Space Rescue Team); Section VIII, Medical Support/First Aid
1910.38(a)(2)(v)	Preferred means of reporting fires and other emergencies	Section IV, Types of Emergencies and Response Actions; Section VI, Emergency Alarm / Notification
1910.38(a)(2)(vi)	Names or regular job titles of person or departments who can be contracted for further information or explanation of duties under the plan	Section I, Introduction
1910.38(a)(3)	Alarm system	Section VI, Emergency Alarm/Notification
1910.38(a)(4)	Evacuation	Section VII, General Evacuation Procedures
1910.38(a)(5)	Training	Section XI, Training Requirements and Procedures
1910.165	Employee alarm systems	Section VI, Emergency Alarm / Notification

APPENDIX I - Hazmat Team Training Requirements

HazMat Team Training Requirements

The procedure for this type of training will be some classroom followed by extensive hands on training using all available equipment. This approach will allow the responder to become competent in the use of personal protective equipment as well as fire fighting, rescue and spill response equipment. Each team member will be required to take a written examination at the end of formalized training to validate their knowledge and understanding of the information presented and practiced. The amount of training as required by the existing OSHA regulations consist of the following:

- ***Hazardous Materials Technician***

All Mill Emergency ResponseTeam members will trained to the Hazardous Material Technician level.

Hazardous materials technicians are individuals who respond to releases or potential releases for the purpose of stopping the release. They assume a more aggressive role than a first responder at the operations level in that they will approach the point of release in order to plug, patch or otherwise stop the release of a hazardous substance. Hazardous materials technicians shall have received at least 24 hours of training equal to the first responder operations level and in addition have competency in the following areas:

- Know how to implement the employer's emergency response plan.
- Know the classification, identification and verification of known and unknown materials by using field survey instruments and equipment.
- Be able to function within an assigned role in the Incident Command System.
- Know how to select and use proper specialized chemical personal protective equipment provided to the hazardous materials technician.
- Understand hazard and risk assessment techniques.
- Be able to perform advance control, containment, and/or confinement operations within the capabilities of the resources and personal protective equipment available with the unit.

- Understand and implement decontamination procedures.
- Understand termination procedures.
- Understand basic chemical and toxicological terminology and behavior.

- ***Incident Commander***

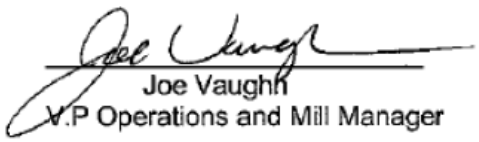
Incident commanders, who will assume control of the incident scene beyond the first responder awareness level, shall receive at least 24 hours of training equal to the first responder operations level and in addition have competency in the following areas:

- Know and be able to implement the employer's incident command system.
- Know and understand the hazards and risks associated with employees working in chemical protective clothing.
- Know how to implement the local emergency response plan.
- Know of the state emergency response plan and of the Federal Regional Response Team.
- Know and understand the importance of decontamination procedures.

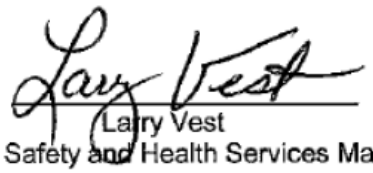
Mill-Wide Emergency Response Plan

July 1, 2003
March 15, 2010

Approval:



Joe Vaughn
V.P Operations and Mill Manager



Larry Vest
Safety and Health Services Manager