



Environmental Emergency (E2) Information

DOMTAR VALUES

At the Dryden pulp mill, we work hard to ensure employee and community safety, and protect the environment. Our extensive safety programs include regulatory compliance, employee training, facility maintenance and emergency response planning and testing. All of these measures are aimed at keeping people and the environment safe.

Emergency management has been part of the Dryden pulp mill's operating practices since the mill began operation over 100 years ago. Our emergency management systems are continuously updated to reflect regulatory changes, and industry best practices.

THE ENVIRONMENTAL EMERGENCY (E2) REGULATIONS

The Dryden pulp mill has met the requirements of the Federal Environmental Emergency (E2) Regulation since it was enacted in 2003. These regulations focus on environmental emergencies, which are described as an "uncontrolled, unauthorized or accidental release of a regulated substance into the environment".

WHY IS THE DRYDEN COMMUNITY RECEIVING THIS INFORMATION?

This federal regulation was updated in 2019. To reflect the changes and requirements in this federal regulation, we wish to build awareness in the community and educate the public of the steps taken by Domtar, working with local safety authorities, to prevent, prepare for, respond to and recover from the unlikely event of an environmental emergency.

The substances identified in the 2019 E2 regulations that are used in the Dryden pulp mill's manufacturing process and could potentially have a community impact are chlorine dioxide and hydrochloric acid. The Dryden pulp mill has safely used these substances for years.



PREVENTION

Environmental emergency prevention, planning, and management have been part of the Dryden pulp mill's operating practices for many years. These measures are designed to prevent incidents from occurring in the first place. We continuously monitor mill production processes to ensure proper operation. We follow the Occupational Health & Safety Act and Process Safety Management guidelines, and we perform equipment inspections regularly. We have secondary spill containment at our outdoor chlorine dioxide tank to significantly reduce offsite effects if a release were to occur.

PREPARATION

The Dryden pulp mill also has a comprehensive Emergency Response Plan in place to respond in the unlikely event of an environmental emergency. We conduct continuous training and testing of our emergency response measures, carrying out routine drills and full-scale simulation exercises. We are also working closely with local emergency services to ensure we are prepared to respond should an emergency occur.

RESPONSE

An environmental emergency could occur if a major leak developed in a storage tank. Based on the prevention systems in place, the probability of this occurring is very low. If an environmental emergency were to occur, Domtar will work closely with local emergency services to immediately respond to the incident.

WHAT IS CHLORINE DIOXIDE?

Chlorine dioxide is a yellow to green gas that dissolves in water and is commonly used as a liquid solution for a variety of disinfecting and manufacturing purposes. Chlorine dioxide gas is classified as an inhalation hazard. Small amounts can be an irritant to your eyes, nose, throat, and lungs, causing watering eyes, shortness of breath, coughing or wheezing. Once exposure is stopped, mild symptoms typically resolve quickly. Breathing large amounts of chlorine dioxide can be hazardous to your health, and at very high concentrations, it can be fatal. Health effects are based on the strength and amount of chlorine dioxide one is exposed to. It dissipates in air and degrades in sunlight so at distances farther from a release, concentrations will be lower and the hazard reduced.

Chlorine dioxide is used to bleach the wood fibers that ultimately go into every day products (e.g. tissue, towel, paper, packaging and fiber-reinforced materials such as siding for buildings). Chlorine dioxide is produced at the Dryden pulp mill in a carefully controlled and monitored process. It is stored as a liquid in tanks on the mill site. Specialized instruments monitor the air in and around the storage tanks to quickly detect the presence of any leaks.

Our equipment is continuously monitored by trained operators and alarm systems to ensure that storage and use of these substances occurs in a safe manner. The outdoor storage tank is equipped with a spill-containment system. Specialized continuous detection instruments monitor the air to quickly detect any releases.

WHAT IS HYDROCHLORIC ACID?

Hydrochloric acid is a liquid used once a year at the Dryden pulp mill for specialized cleaning of equipment. It is shipped in a tanker truck and is typically on-site for less than two days. Secondary containment is placed around the tanker to capture a spill, if it were to occur. Vapour may be released from any spilled liquid which is colourless or faint yellow with a pungent, irritating odour. Hydrochloric acid is classified as an inhalation hazard. In vapour form, it can be irritating to your eyes and respiratory system.

WHAT SHOULD YOU DO IF AN ENVIRONMENTAL EMERGENCY OCCURS?

Response to any environmental emergency affecting the community is led by local emergency service agencies. We have coordinated with local emergency services to ensure you will be notified if an environmental emergency occurs that may affect the community. Emergency sirens would be sounded throughout the Dryden community and information would be provided on the local radio stations CKDR (FM 92.7) and Q104 (FM 104.5). Please follow the direction of these professionals.

In the unlikely event of an environmental emergency, you may be asked by local emergency services to do one of the following:

- **Shelter in place** if it is safer for you to stay inside. If instructed to shelter in place, local emergency services will give instructions to stay put and to close doors, windows, air vents and turn off any system that brings outside air into your building (e.g fans, air conditioners, forced-air furnaces).
- **Evacuate** if it is safer to move away from an area. If instructed to evacuate, local emergency services will give instruction to evacuate to a safe distance. Instructions will be provided to the public regarding the direction of the evacuation and any other pertinent information.

YOU CARE – WE CARE

Domtar has always been committed to caring for our employees, the community and the environment. The best response to an emergency is prevention. That is why we follow safety management standards. We also believe in being prepared and we have worked closely with the local emergency services for many years. We are continually working to ensure a safe, reliable and sustainable operation.

If you feel your health is affected during an emergency, dial 9-1-1 for medical assistance.

For non-emergency questions, you may contact us at 807-223-9184.