



ESPANOLA

Environmental Emergency (E2) Information

DOMTAR VALUES

At the Espanola pulp and paper mill we work hard to ensure employee and community safety, and protection of the environment. Our safety programs meet and exceed regulatory requirements, and include extensive 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 Espanola mill's operating practices since the mill began operation over a century ago. Our emergency management systems are continuously updated to reflect regulatory changes, and industry best practices.

THE ENVIRONMENTAL EMERGENCY (E2) REGULATIONS

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

The substance identified in the E2 regulation that is used in the Espanola pulp mill's manufacturing process and that could potentially have a community impact is chlorine dioxide. The Espanola pulp mill has safely used this substance for decades.

The Federal E2 Regulation was recently updated. To reflect the changes and requirements in this federal legislation, we wish to build awareness in the community and educate the public of the steps taken by Domtar, working with Espanola Emergency Services, to prevent, prepare for, respond to and recover from the unlikely event of an environmental emergency.





PREVENTION

Environmental emergency prevention, planning and management systems have been an integral part of the Espanola mill's operating practices for over 110 years. These practices are designed to prevent incidents from occurring in the first place. They are continuously updated to reflect regulatory changes and best practices. We continuously monitor mill production processes to ensure the mill is operating as intended. We follow Occupational Health and Safety (OSHA) Process Safety Management guidelines and we perform equipment inspections regularly. We have installed spill-containment and foam suppression systems to minimize any potential offsite impacts if a release were to occur.

PREPARATION

The Espanola mill has a comprehensive Emergency Response Plan in place to respond to any environmental emergency. The mill's emergency response team is highly trained in all levels of emergency management and is ready to respond around the clock, 24 hours day/7 days per week. We conduct extensive training, practice, and testing of our emergency response measures, carrying out routine drills to ensure we are prepared to respond in the event of an emergency.

RESPONSE & RECOVERY

An environmental emergency could occur if a major leak developed in a chlorine dioxide 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 safety authorities to immediately respond to the incident and notify the public. The post-incident recovery plan would also include close coordination with local safety authorities.

WHAT IS CHLORINE DIOXIDE?

Chlorine dioxide is a yellow to green liquid 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, resulting in more serious effects to the eyes, throat and lungs 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.

For decades, the Espanola mill has safely managed chlorine dioxide to make kraft pulp. Chlorine dioxide is used to bleach the wood fibers that ultimately go into everyday products, such as tissue, towel, paper, packaging and fiber-reinforced materials such as siding for buildings. Chlorine dioxide is produced at the pulp mill in a carefully controlled and monitored process. It is stored as a liquid in tanks on the mill site. Specialized instruments continuously monitor the air in and around the storage tanks to quickly detect the presence of any leaks. Specialized detection instruments monitor the air in and around the mill site to quickly detect any releases. The storage tanks are equipped with spill containment and foam suppression systems. The integrated foam suppression system would minimize a release. Any unsuppressed chlorine dioxide vapours could be carried downwind from the Espanola mill, depending on wind and weather.

WHAT SHOULD YOU DO IF AN ENVIRONMENTAL EMERGENCY OCCURS?

Initial communication regarding any environmental emergency will come from Municipal Emergency Control Group (MECG), working closely with Municipality of Espanola ("our local emergency services"). Notification methods will depend upon the event, and may include in-person, local radio and/or social media communication. Along with the notification you may be asked to shelter in place if it is safer for you to stay inside. If instructed to shelter in place, Domtar, in conjunction with Espanola's Emergency Services, will give instructions to stay inside and to close doors, windows, air vents and turn off any system that brings outside air into your home (e.g. fans, air conditioners, forced-air furnaces). Please follow the directions provided.

YOU CARE – WE CARE

At Domtar we work diligently to care for employees, the community and the environment. The best response to any emergency is prevention, and this is why we follow stringent safety management standards. We also believe in being prepared, including working closely with the town of Espanola Emergency Services.