

A photograph of the interior of a refinery. Two workers in blue protective suits and hard hats are walking away from the camera on a concrete floor. In the background, there are large, cylindrical metal storage tanks and a yellow industrial ladder. The scene is dimly lit, with light coming from the right side.

# EMERGENCY PREPAREDNESS: SARNIA REFINERY

Located along the St. Clair River, the Sarnia refinery has been an important part of the Sarnia-Lambton community for 70 years. The 85,000 barrel per day operation is a significant contributor to Ontario's fuel supply. In addition to gasoline, diesel and jet fuel, our refinery produces kerosene, asphalt and petrochemical feedstock.

## Commitment to Environment, Health & Safety

Safety is unconditional – if it isn't safe, we don't do it. We watch out for each other and have the courage to act so our workplace, homes and communities are healthy and safe.

To ensure you have the information you need to feel prepared in the event of an emergency and to meet the updated requirements of the Canadian Environmental Protection Act Environmental Emergencies Regulation (CEPA E2), we are sharing the following information:

## Emergency Preparedness and Response

### Prevention

Our plant is built to operate safely and reliably around the clock, 365 days of the year, using the highest industry standards of engineering design. These standards also include multiple layers of protection that prevent and mitigate potential impacts from incidents through use of things like: automated safety instrumented systems, a flare system to help safely control pressure, gas detection, automatic sprinkler systems and water cannons for fire protection. These automated systems are also continuously monitored by qualified, highly trained Process Operators.

We take great effort to sustain high levels of operational discipline, follow procedures and conduct regular, proactive maintenance. This relentless focus allows us to effectively manage and address potential risks and identify and prioritize repair and upgrade work. This work takes place on a daily, weekly, monthly, quarterly and annual basis.

### Planning

Suncor has pre-established and well-rehearsed plans to protect the public in the event of an incident on our site and provide training to ensure our people are prepared to lead and manage a variety of incidents including: firefighting, oil spill response and rescue. This includes joint drills with Sarnia Fire Rescue Services to practice coordinated response and an annual drill with Community Awareness Emergency Response (CAER) industry and municipal response teams.

## Response

The Sarnia refinery is well-equipped to respond to any emergency that could occur on site. In addition to fire trucks and a mobile command unit, we have an industrial pumper that provides additional options for fighting a fire, such as increased water flow and pressure. It also enables firefighters to remain at a safe distance, while continuing to extinguish the blaze. Our Spill Response boat enables a quick response to an incident to help ensure material in the St. Clair River is contained by deploying booms.

## Recovery

In this step, we complete a de-brief of the response and track opportunities to improve as well as a thorough root cause investigation to gain a full understanding of the incident and identify ways to prevent recurrence. Learnings from these root cause investigations are shared with the Ontario Ministry of the Environment, Conservation and Parks (MECP), within Suncor and among our local industry counterparts and stakeholders, as appropriate.

For more information on CEPA E2, visit: [www.canada.ca](http://www.canada.ca).

## What You Need To Know

Normally, the consequences of an incident will be confined within refinery property because our systems and operators will always take steps to safely shut down units. However, potential effects that may be experienced beyond our fence line include: personal respiratory or auditory issues, injury or property damage.

Whenever a site incident occurs, Suncor sounds its site alarm and provides information through the My Community Notification Network (MyCNN) and Bluewater Association for Safety, Environment and Sustainability (BASES). We may also update you through our Facebook and Twitter accounts.

## What You Need To Do

If an incident occurs that requires you to **shelter in place**, you will hear the municipal warning sirens. When this happens it is important you:

1. Remain calm and don't evacuate - unless advised to.
2. Take the order seriously and immediately seek shelter inside your home, workplace, business, etc. Your safety depends on you taking quick action.
3. Monitor alerts from the municipality via MyCNN.
4. Close all windows and doors. For industry-related orders to shelter in place, shut off furnaces, air conditioners, fans and any other air intakes that draw in air from outside.

Finally, if there is a life-threatening situation where you are, call 9-1-1.

## How to Reach Us

Follow Suncor on our social media channels and subscribe to MyCNN for up-to-date information. You can also contact us for non-urgent issues via email at: [sarniarefinery@suncor.com](mailto:sarniarefinery@suncor.com).

To learn more about our ongoing activities and how we are “Living Our Purpose”, visit: [www.suncor.com](http://www.suncor.com). You can also access this and other information about the Sarnia refinery via this web site.

