



To consult the full versions of CN's Fire Plan and Extreme Weather Fire Risk Mitigation Plan, as well as to provide your input on our Extreme Weather Fire Risk Mitigation Plan, please visit www.cn.ca/ExtremeWeatherPlan or call our Public Inquiry Line at 1-888-888-5909.

We are here for you

CN PUBLIC INQUIRY LINE

8 a.m. to 6 p.m. ET, Monday to Friday
Toll free: 1-888-888-5909
Email: contact@cn.ca
www.cn.ca

CN EMERGENCY COMMUNICATIONS CENTRE

24/7 emergency line
1-800-465-9239

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FRONT COVER PHOTO:
East of Lytton approaching Spences Bridge, BC.

PHOTO ON THE LEFT:
Erin Wonta, (left) Bulk Officer, Grain and Alyssa Harder, Bulk Officer, Grain, Chappell Yard, Saskatoon, SK.

Working together for the safety of our communities

Safety is a core value at CN and a shared responsibility with our communities. CN's approach to fire prevention and suppression is comprehensive and informed by long experience and emerging best practices. Vigilance, training and technology are our most effective tools to prevent wildfires, especially when combined with the collaboration of our neighbours who live and work along our rail lines.

Your perspectives are important to us. As we better understand your points of view regarding potential fire risk and mitigation strategies, we will continue to update our plan, leveraging the latest best practices, technologies and innovations, as well as Indigenous knowledge and practices.



Volunteer Firefighters joined CN in British Columbia for emergency response training.

Together, we will reduce the risk of wildfires during periods of extreme weather.



Working together on our Extreme Weather Fire Risk Mitigation Plan



We take nothing more seriously than safety; it is **our core value**

For CN, as it is for your towns, cities and Indigenous communities, **safety** is our core value, our main focus. Like you, we take nothing more seriously. That means doing everything in our power to protect our employees, customers, communities and the environment – every day.

In times of extreme weather, during the driest, hottest days of summer, it also means **understanding and mitigating the increased risk of fire.**

That is why CN has developed a revised **Fire Plan** and an **Extreme Weather Fire Risk Mitigation Plan** to reduce risks and increase prevention, monitoring and response to wildfires.

We are committed to working together with local community and First Nations leaders. We understand we have responsibilities towards our neighbours including Indigenous communities, to recognize their unique relationship to the land, and the centuries of knowledge they have accumulated about fire hazards, management of fire risk, and fire suppression. CN adds to that knowledge base with advanced technologies as well as employee vigilance and training.

A robust Fire Plan to address and mitigate the risks of fire

Highlights of everyday measures:

- CN employees aboard our trains have specific instructions to monitor for fires and respond to them.
- Upon discovery of any fire that poses a danger to the public or safe rail operations, all rail traffic in the area is immediately halted.
- Crews that install tracks and carry out repairs are equipped with backpack sprayers, pumps, fire retardant foam and various hand tools. Trucks with water tanks are also on hand. Bridge crews use sprinkler systems capable of dousing 1,000 feet of timber deck ties.
- CN maintains firefighting trailers and other equipment at strategic locations across its network for quick reaction in case of emergency.
- CN's annual vegetation control program is also designed to mitigate risks by managing brush, weeds and other undesirable vegetation, and is a critical contributor to safe operations and in improving the overall safety of the communities in which we operate.



FROM LEFT TO RIGHT:
Amin Abdulle, Assistant Superintendent, Transportation, **Autumn Lane**, Supervisor, Transportation, **Chris Silzer**, Manager, Transportation, Chappell Yard, Saskatoon, SK.

Increased vigilance and risk mitigation with our Plan

Extremely hot and dry weather exacerbates fire risk. The following additional measures are implemented when the fire danger level for a given area is "extreme" as reported for that area on the Canadian Wildland Fire Information System:

- Train speeds are adjusted taking into consideration ambient air temperature.
- Increased use of end of train locomotive placement to better enable crews to monitor behind the train for any sign of fire.
- Increased patrols on days when temperatures exceed 30°C.
- The cutting of brush next to our tracks ceases, except where necessary for safe train operation. Any brush that has already been cut is removed. CN conducts its vegetation management activities in a sustainable and responsible manner.
- Inspections of our equipment, railcars and locomotives are intensified. Staff ensure exhaust systems, retention traps and spark filters are clear and in good operating condition.

What can our neighbours do to help

Fire prevention is a shared responsibility. While always keeping a safe distance from the railway property you can help prevent wildfires by:

- Remaining vigilant and reporting fire hazards to local emergency services and/or the CN Emergency Communications Centre at **1-800-465-9239**.
- Maintaining vegetation on public and private property adjacent to the railway.
- Keeping accelerant materials at a safe distance from combustible materials and storing them safely in approved containers.
- Raising awareness of the public to help mitigate fire hazards, including through the use of public service announcements in local media.

Technology is part of the solution

CN leverages a variety of technologies to detect flaws that cannot be seen with the human eye.

- Sensors along our tracks scan for hot wheels, overheated bearings or dragging equipment, all of which are potential fire hazards.
- Other sensors combined with artificial intelligence in our new automated track inspection railcars enable track inspections at normal track speed, allowing some of our key corridors to receive up to 20 times more inspections than with previous methodologies.
- Ultra high definition cameras in our new automated inspection portals capture a 360° view of a train as it travels through at normal track speed. This method of railcar inspection, using machine learning algorithms, is helping to improve inspection quality, frequency, and railcar reliability.



Way Side Detectors in place to detect wheel and axle defects.