

**CITY OF THOMPSON
BY-LAW NO. 2057-2025**

**A BY-LAW OF THE CITY OF THOMPSON TO REGULATE THE
INSTALLATION, MAINTENANCE, INSPECTION, AND SERVICING OF SPRAY
BOOTH REGULATIONS AND GUIDELINES IN ORDER TO REDUCE FIRE
HAZARDS AND PROTECT PUBLIC SAFETY**

WHEREAS fires involving spray booths and spray coating operations represent a significant risk in Canada and the City of Thompson;

AND WHEREAS inadequate design, construction, installation, and maintenance of the spray booths and mixing rooms, contribute to the frequency and severity of such fires.

AND WHEREAS the National Fire Protection Association Standard NFPA 33 “Standard for Spray Application Using Flammable and Combustible Materials” sets out standards for the design, installation, maintenance and service requirements.

AND WHEREAS the council for the City of Thompson deems it advisable and necessary to adopt regulations for spray coating operations equipment in the City of Thompson to enhance public safety.

NOW THEREFORE the council of the City of Thompson, in open meeting assembled, enacts as follows:

1) Title

This By-law may be cited as the “Spray Coating Systems/Equipment By-law”

2) Definitions

In this By-law:

AHJ (Authority Having Jurisdiction) means the Fire Chief, Deputy Fire Chief, or Fire Inspector(s) for the City of Thompson

Spray Area; means an area where flammable and combustible products are sprayed producing vapors within the area.

Mix Area; means an area where flammable and combustible products are mixed.

NFPA 33; means the current edition of the “Standard for Spray Application Using Flammable or Combustible Materials” published by the National Fire Protection Association.

System Components; mean the different parts of the overall setup in relation to meeting the NFPA 33 Standard. There are 3 main components, a fire suppression component, a ventilation component, and an explosion proof electrical lighting component.

Ventilation System; means the system that draws the contaminants, flammable vapors, harmful particulates, away from the workers and prevents the backflow of hazardous fumes into the work area.

Fire Suppression System(s); means a sprinkler system conforming to NFPA 13 “Standard for the Installation of Sprinkler Systems”.

Electrical System; means a intrinsically safe, explosion proof electrical equipment designed for use in Class 1, Division 1 Hazardous locations.

Approved Devices; means all devices and components shall be UL or CSA approved and listed for use.

Qualified Service Providers; means **red seal** licensed sprinkler fitter(s), and or sprinkler system installer(s), **red seal** electricians, **red seal or provincially ticketed** mechanical tradesperson.

3) Application

This By-law applies to all Spray Coating Operations within the City of Thompson.

4) Design, Installation and Construction Requirements

All Spray Coating and Paint Mixing Areas shall be in accordance with NFPA 33.

Spray Areas

- i) Every booth shall be of non-combustible construction and listed for use, no homemade booths.
- ii) Every booth shall have fire suppression systems as required (wet or dry).
- iii) Every booth shall meet the requirements of NFPA 13 “Standard for the Installation of Sprinkler Systems”.
- iv) Every booth shall have a ventilation system complete with interlocks on the doors.

- v) Every booth shall be separated from other operations by a minimum distance of 3' or by a partition, wall or floor assembly having a fire resistance rating of 1 hour.
- vi) Every booth shall have an audible or visual device inside the spray area, that is tied into its own zone on the fire alarm system, **providing the building has a fire alarm system.**
- vii) Every booth shall have a 10lb BC rated fire extinguisher within 10' of the booth.
- viii) Every booth shall have its exhaust system inspected annually by a qualified red seal or provincial ticketed tradesperson.
- ix) Every booth shall have intrinsically safe, explosion proof electrical components inspected annually by a red seal electrician.

Mix Area

- i) Every mix area shall NOT exceed 150 square feet.
- ii) Every mix area shall have spill containment.
- iii) Every mix area shall have fire suppression.
- iv) Every mix area shall have its ventilation system operating at all times
- v) Every mix area shall have a door.
- vi) Every mix area shall have a 5lb ABC rated fire extinguisher within 10' of the mix area.
- vii) Every mix area shall have its exhaust system inspected annually by a qualified technician with red seal or provincial ticketed tradesperson.
- viii) Every mix area shall have intrinsically safe, explosion proof electrical components inspected annually by a red seal electrician.

5) Maintenance and Inspection Requirements

- i) All fire suppression systems shall be inspected annually or bi-annually by qualified service providers, depending on system type(s).
- ii) All painted or damaged sprinkler heads shall be changed at the time of inspection.
- iii) All qualified service providers shall submit proof of "red seal or provincial ticketed certification" to AHJ.

6) Reporting of Fires

- i) All fires involving spray coating operations (booths or mix rooms) regardless of size or extinguishment method shall be reported immediately to the AHJ.
- ii) Failure to report a fire is an offence under this by-law.

7) Enforcement

- i) The AHJ is responsible for enforcing this By-law.
- ii) The AHJ may at any time inspect any spray coating and mixing operation to ensure that it meets the safety requirements and to verify compliance with NFPA 33.
- iii) The AHJ may order suspension of operations where unsafe conditions exist.

8) Penalties

Any person who contravenes this by-law is guilty of an offence and is liable on summary conviction as per the City of Thompson Fee and Fine Schedule.

9) Severability

If any provision of this by-law is found invalid, the remainder shall not be affected.

10) Coming into Force

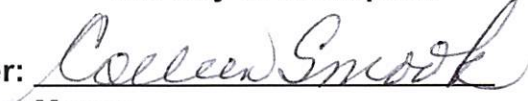
Read a first time this 8th day of September , 2025 A.D.

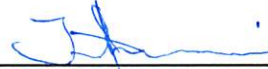
Read a second time this 22nd day of September , 2025 A.D.

Read a third time this 22nd day of September , 2025 A.D.

Done and passed by the council of the City of Thompson in regular session assembled this 22nd day of September, 2025 A.D.

The City of Thompson

Per: 
Mayor

Per: 
City Manager