Ontario

Ministry of Labour, Immigration, Training and Skills Development
Operations Division

Memo

Date: May 12, 2025

To: Tower Crane Owners and Applicable Associations, Engineering firms, Constructors

From: Francois Malette
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Construction Health and safety Program

Subject: Enforcement direction of the requirements under sections158,159 and 165 related to the Professional Engineers Ontario (PEO) practice standard; 10-year inspections section 159.1; and the requirement for anti-collision devices in section 162.1 of O. Reg 213/91

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On January 1, 2024, amendments to the tower crane sections of O. Reg 213/91 for Construction Projects came into force.

O. Reg. 241/23 and O. Reg. 242/23 amend both O. Reg. 213/91 (Construction Projects) and O. Reg. 420/21 (Notices and Reports). These amendments have been consolidated into the e-Laws version of the respective regulations.

These changes to the regulations have been made to increase the safety requirements for cranes and hoisting operations in Ontario as well as the reporting requirements for events concerning hoisting failures at construction projects. Among these changes are enhanced engineering inspections as prescribed in the PEO practice standard for mechanical, hydraulic, and electrical components in addition to the existing structural inspections.

The tower crane industry identified challenges complying with the 2015 version of PEO practice standard. The PEO conducted a gap analysis of the standard and an amended the standard was published on September 27, 2024. The Infrastructure Health and Safety Association (IHSA) through the Labour-Management Network, has struck a tower crane best practice working group to develop compliance documents, procedures and reports to comply with the practice standard's requirements for engineering inspections of tower cranes. The industry has been assured that the ministry will continue to work with them to assist them in achieving compliance with the PEO practice standard.

Due to the identified challenges, the Ministry of Labour, Immigration, Training and Skills Development (MLITSD) has agreed to take an education and outreach approach to PEO practice standard inspections while the tower crane best practice working group finalizes the procedure and reports, despite the requirement coming into force as of January 1, 2024. This extra time is

intended to inform and allow crane operators to still operate while the best practices are finalized.

If MLITSD inspectors encounter a tower crane that has not been inspected by mechanical, hydraulic and/or electrical engineers, we will inform the workplace parties of the new requirements that came into force as of January 1st, 2024. Inspectors will record this in the narrative portion of the field visit. All other structural inspections and verifications as they are currently performed are expected to be done as of January 1, 2024

Enforcement of all other amended sections that came into force on January 1, 2024, will be expected to be complied with.

On January 1, 2025, additional amendments to the tower crane sections of O. Reg 213/91 for Construction Projects come into force.

As of January 1, 2025,

Subsection 151(4) requires all luffing boom cranes to have a boom angle indicator that the operator can read while at the controls.

Section 157.2 requires a tower crane to be erected, dismantled and climbed in accordance with the following clauses of CSA Standard Z248-17:

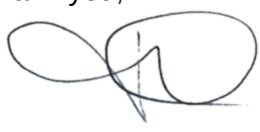
1. Clause 5.1, Crane erection crew.
2. Clause 5.8, Erection, climbing, and dismantling equipment.
3. Clause 5.9, General erection, climbing, and dismantling procedure.

Section 157.3 contains the design requirements tower cranes are to comply with.

Section 159.1 provides the requirements for a 10-year inspection of a tower crane. There are some items in the 10-year inspection that have been identified as problematic and a review in on-going of these items. Enforcement of this section will be paused until further guidance has been finalized for the 10-year inspection.

Section 162.1 requires when there are multiple cranes at a project, hoisting operations shall meet the clearance requirements set out in clause 8.10 of CSA Standard Z248-17. The CSA Standard Z-248 Technical Standard committee is conducting a review of clause 8.10, specifically anti-collision devices requirements. While this review is being conducted, the enforcement of the requirements for anti-collision devices will take an education and outreach approach. It is expected that the rest of requirements set out in clause 8.10 of CSA Standard Z248-17 are followed.

Thank you,



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