

Inspection and Technical Services

ITS - ITAS Gas Inspections Harmonization of Requirements for Grain Dryer Vent Discharge and Recognition of Field Approved Grain Dryers

ITS 21-033

BACKGROUND

Recognizing the importance of Grain Dryer to producers, ITS and ITAS (the “regulator” for Manitoba and Saskatchewan, respectively) have committed to aligning approval processes and installation requirements for venting of grain dryers and the acceptance of field approval labels from one province to another.

PURPOSE

The purpose of this bulletin is to provide harmonized grain dryer installation requirements for Manitoba and Saskatchewan, recognizing that equipment suppliers, fuel distributors and licensed installers often serve clients in both provinces.

HYDROSTATIC VENT DISCHARGE REQUIREMENTS

GRAIN DRYERS CERTIFIED TO CSA 3.8

CSA 3.8 requires that hydrostatic relief device vents be directed into a safe atmosphere away from valve trains, electrical component enclosures, and operating personnel. It is the responsibility of the certification agency to assess this compliance.

In instances where an imminent hazard condition is created as result of discharge pointing to a service member or user (for example, a discharge vent pointing at an access ladder), the regulator may assess that the vent termination be relocated as necessary.

GRAIN DRYERS FIELD APPROVED UNDER CSA B149.3

CSA B149.3 requires that hydrostatic relief device be vented to a safe location.

The safe location for venting will be assessed by the regulator based on the definition of safe location as provided below.

SAFE LOCATION (for venting of gas)

A location that ensures that gas being vented is safely disposed of, by dispersion or destruction, so that it is neither trapped nor blown back into, or under, a building or enclosure. It must also not be directed towards any person, walkway, staircase, ladder, vehicle traffic, operating control, source of ignition, hot surface, electrical equipment, flammable gas or liquid storage tanks or cylinders nor blocked by snow, ice, water or any other object, nor can it result in any other hazardous condition.

ABILITY TO MUTUALLY RECOGNIZE FIELD APPROVAL OF GRAIN DRYERS BETWEEN MANITOBA AND SASKATCHEWAN

When a grain dryer has a marking demonstrating it has been field approved through a program administered in Manitoba or Saskatchewan, the approvals may be recognized in both jurisdictions subject to the following conditions:

- A written request for recognition of a previously field approved grain dryer has been made to the regulator in the reciprocating province containing the following information:
 - Dryer make/model/SN/BTU rating/date of manufacture;
 - Last installation address/previous installation addresses (if known);
 - Valve train schematic;
 - Installation/Operating Manual for the dryer;
 - Sequence of operation;
 - Any approval documentation/inspection reports/markings provided by the approving province;
 - Any variances granted during approval of the equipment;
 - Any available documentation of modifications or repairs performed on the equipment.
- The jurisdictional inspector may also require any necessary upgrades required to ensure that the unit is in a safe operating condition.

In order to have your grain dryer mutually recognized in both provinces, please ensure you provide the above documentation to the reciprocating jurisdiction prior to installation. Each province has the responsibility to review and accept or deny the application based on the data that is provided by the applicant.