

Information Bulletin: IB16-007

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## Heating/Cooling Coils in Non-Code Storage Tanks

This information bulletin is to provide guidance to manufacturers fabricating coils that are installed in non-Code storage tanks designed and constructed to an API standard (e.g. API-12F, API-650).

Design registration is required for a coil containing expansible fluid that is located in a non-Code storage tank. A coil may be registered and fabricated as part of the piping system or, alternatively, registered and fabricated as a Category H fitting.

When these coils are to be registered and fabricated as part of the piping system, the following construction requirements apply:

1. For coils constructed in Alberta, the coil manufacturer must hold a Certificate of Authorization Permit for piping construction, and an AB-83 form shall be used to document the construction.
2. For coils constructed outside of Alberta, but within Canada, the manufacturer shall have a piping construction quality management system acceptable to the local jurisdiction. Construction of the coil shall be documented\* on an AB-83 form, AB-83F form, or an equivalent form provided by the local jurisdiction.
3. For coils constructed outside of Canada, the AB-83F form\* shall be used to document the construction.

When these coils are to be registered and fabricated as Category H fittings, the following construction requirements apply:

- a) For coils constructed in Alberta, the coil manufacturer must hold a Certificate of Authorization Permit for Category H fittings.
- b) For coils constructed outside of Alberta, but within Canada, the manufacturer shall have a fitting construction quality management system acceptable to the local jurisdiction.
- c) If the coil manufacturer is outside of Canada, they must have a quality management system acceptable to the Administrator.

\* More information about the use of pressure piping construction and test data reports can be found in AB-516 – *Pressure Equipment Safety Regulation Users Guide*, Section 31(2).

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Mike Poehlmann, P.L. (Eng.)  
Administrator, Province of Alberta Pressure Equipment Safety  
Chief Inspector, ABSA the pressure equipment safety authority