Information Bulletin No. IB25-008 **April 1, 2025**

INTERPRETATION
Requirements for Electrochemical Cell Stacks and Use of ASME BPV Code Case 3078

Vessels, such as electrochemical cell stacks, that contain or handle expansible fluids (e.g. hydrogen, oxygen) under pressure and are used to carry out chemical reactions when supplied with electrical current and reactants as in electrolysis (e.g., splitting water into hydrogen and oxygen gases) are pressure vessels according to the *Pressure Equipment Safety Regulation* and shall meet all the requirements for pressure vessels provided in the Alberta Regulations and the code of construction.

ASME *Boiler and Pressure Vessel Code*, Section VIII, Division 1, Code Case 3078 provides the requirements for design and construction of planar geometry gasketed electrochemical cell stacks. Code Case 3078 is acceptable for use in Alberta.

Designs of electrochemical cell stacks that differ from those covered in Code Case 3078, as well as other types of electrochemical cell stacks, may be considered for acceptance by the Administrator on a case-by-case basis.

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