

## CERTIFICATE OF INSPECTION

**BPV - Special Assessment**

**ASSESS: BPV OP: Repair REF/PV**

### Contact Information

Port Alberni, City Of  
5633 Smith Road  
PORT ALBERNI BC V9Y 8M1

**Activity Date:** 20 November, 2019

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### Site Address

3737 ROGER Street  
PORT ALBERNI British Columbia V9Y 8J4

**Inspection Result:** Initial

**Assessment Type:** ASSESS: BPV OP: Repair REF/PV

### Non-Compliances

All Non-Compliances must be resolved by the due date unless specified otherwise in Safety Officer Notes.



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(cont'd)

Line	Code	Non-Compliance Description	Notes	Due Date
1	PEBPVR PART 5 DIV 3 SECT 84 (2)	<p>Registration of boiler, pressure vessel, fitting and pressure piping design.</p> <p>The design of all boilers, pressure vessels, fittings and pressure piping, to which this regulation applies, must be registered with a provincial safety manager.</p>	<p>*Refer to boiler safety notes below for exact PEBPVR clauses.</p> <p>Written confirmation is required from the manufacturer for the following items:</p> <ul style="list-style-type: none"> <li>- a statement which indicates that this direct expansion chiller including the repair has been assessed by the manufacturer and is safe to operate in its current condition</li> <li>- short and long term monitoring plan which includes testing of the ammonia as well as regular and scheduled ultrasonic testing of the repaired weld and brine testing at defined intervals</li> <li>- a statement that the above items will be incorporated into the fitness-for-service assessment outlined on line no. 2</li> </ul> <p>The above confirmation to be provided on a company letter head and signed by a company representative.</p> <p>Upon receipt and acceptance of the plan for continued service, safety order SO-BP 2019-01 issued on Nov. 6, 2019 will be rescinded and the chiller may be placed back in-service.</p>	Nov 21, 2019



All Non-Compliances must be resolved by the due date unless specified otherwise in Safety Officer Notes.  
(cont'd)

2	PEBPVR PART 5 DIV 3 SECT 84 (2)	<p>Registration of boiler, pressure vessel, fitting and pressure piping design.</p> <p>The design of all boilers, pressure vessels, fittings and pressure piping, to which this regulation applies, must be registered with a provincial safety manager.</p>	<p>*Refer to boiler safety notes below for exact PEBPVR clauses.</p> <p>The NDE contractor provided a fitness-for-service (FFS) package dated Nov. 13, 2019 (file number: 605-15372). The FFS is document on NB-403 which is stamped by a professional engineer. The FFS does not address the integrity of the entire vessel and does not identify an acceptable standard that was used for the assessment.</p> <p>The manufacturer to provide the following: A fitness-for-service assessment which concludes that the equipment is safe to operate and is carried out in accordance with a standard acceptable to Technical Safety BC. The FFS must take into consideration the integrity of the entire vessel including but not limited to the shell to tubesheet repairs as well as any portion of the vessel that could have been affected by that repair. The FFS must be documented on form NB-403 and supplemented by a detailed report which includes failure analysis. The assessment to be carried out by a professional engineer with experience in this field and certified with a professional engineer stamp.</p> <p>The licensed contractor provided the turnover package for the shell to tubesheet weld repair. The acceptance of this repair will be contingent on the final acceptance of this FFS.</p>	Dec 14, 2019
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## Safety Officer Notes

A meeting with the owner, manufacturer, and the refrigeration contractor was held at the Alberni Valley Multiplex Arena on Nov. 20, 2019. Discussed at this meeting was that reasonable assurance for the safe continued service of this direct expansion chiller can be facilitated by the manufacturer that includes a short and long-term monitoring plan.

\*Non-compliance line no. 1 and 2 is not compliant to the following clauses:

BC Regs, PEBPVR, Part 5, Div. 3, Sect 84 (6) and (7)

- (6) If, in the opinion of a provincial safety manager, a design registered under subsection (2) is subsequently found to be defective in any detail,

(a) the provincial safety manager may suspend or revoke the registration,

(b) the design must be revised by the person who submitted the design, and

(c) the pressure retaining equipment that is the subject of the design must not be constructed or used until

(i) those revisions are approved by the provincial safety manager, and

(ii) the provincial safety manager cancels the suspension or reinstates the registration, if the registration was suspended or revoked.

- (7) The registration of a pressure retaining equipment design does not relieve the equipment manufacturer of liability for the design and construction of the pressure retaining equipment.

## Assessment Fees (payable on receipt of formal invoice)

Regular Hours	Overtime Hours	Holiday Hours	Accommodations	Meals	Ferry / Air	Misc.	Travel
1.5	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$96.00

## General Requirements and Information

1. Technical Safety BC is to be notified of any incident that results in an injury to any person or damage to the regulated equipment. To report an incident, go to [www.technicalsaftybc.ca](http://www.technicalsaftybc.ca) (search: "report an incident")
2. When an Operating Permit is required, the installation owner has 60 days to obtain a valid Operating Permit following a Passed Final Assessment.
3. All non-compliances must be resolved by the date indicated on this Certificate Of Inspection.
4. Where an incident involves a regulated product or regulated work and results in a near miss, an injury to any person or damage to the equipment, Technical Safety BC must be notified as per Incident reporting Directives found at [www.technicalsaftybc.ca](http://www.technicalsaftybc.ca)

Safety Officer Name: Bart Wojtkiewicz

Safety Officer Phone: 250-714-8959



Safety Officer Email: [Bart.Wojtkiewicz@technicalsaftybc.ca](mailto:Bart.Wojtkiewicz@technicalsaftybc.ca)

If you disagree with a safety officer decision noted on this Certificate of Inspection, you may request, in writing, a Safety Manager review within 30 days from the date of issue. A Review Request Form can be obtained from any Technical Safety BC office or online at: [www.technicalsaftybc.ca](http://www.technicalsaftybc.ca) (search: "manager review")

For information on the Safety Standards Act, Regulations, and the Review/Appeal process, please visit [www.technicalsaftybc.ca](http://www.technicalsaftybc.ca)

