

## 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:** 14 November, 2019**Site Address**

3737 ROGER Street  
PORT ALBERNI British Columbia V9Y 8J4

**Inspection Result:** Failed**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.

Line	Code	Non-Compliance Description	Notes	Due Date
1	SSA PART 4 DIV 2 19 ( 2)	An owner and the person in charge of the premises must take all precautions to ensure the safety of people and property.	<p>Safety order SO-BP 2019-01 was issued on Nov. 6, 2019. In accordance with the safety order, the chiller must not be restarted without prior written authorization by a safety officer or safety manager.</p> <p>Provide proof that the refrigeration plant has been shutdown in accordance with safety order SO-BP 2017-02 and provide a procedure for monitoring the plant while it's not in operation. This procedure must include the minimum qualifications and training of those that are carrying out the monitoring of the equipment.</p>	Nov 19, 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 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 manufacturer to also provide locations for all vessel installations with the same CRN in Canada.</p>	Dec 14, 2019
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All Non-Compliances must be resolved by the due date unless specified otherwise in Safety Officer Notes.  
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3	PEBPVR PART 5 DIV 3 SECT 84 (2)	Registration of boiler, pressure vessel, fitting and pressure piping design. 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>*Refer to boiler safety notes below for exact PEBPVR clauses.</p> <p>Provide the following construction documents to support the FFS identified on line no. 2.</p> <ul style="list-style-type: none"> <li>- all welding procedures including information on where each procedure was used</li> <li>- performance qualifications for all welders including a weld map or equivalent</li> <li>- all material test reports</li> </ul> <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 the FFS identified on line no. 2.</p>	Dec 14, 2019
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### Safety Officer Notes

A repair inspection was carried out on this horizontal direct expansion chiller on Nov. 13, 2019. The external visual inspection of the completed weld repairs on the north tube to tubesheet weld is accepted.

\*Non-compliance's line no. 2 and 3 are 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.

The following vessel manufacturing documents were received:

- WPS 21, Rev. 3 and supporting PQR's
- Vessel MDR
- Inspection checklist
- Pressure test report
- Liquid penetrant test report
- Inspection and test plan
- Final inspection report for the tubesheet

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

Regular Hours	Overtime Hours	Holiday Hours	Accommodations	Meals	Ferry / Air	Misc.	Travel
2.5	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.technicalsafetybc.ca](http://www.technicalsafetybc.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.technicalsafetybc.ca](http://www.technicalsafetybc.ca)

Safety Officer Name: Bart Wojtkiewicz

Safety Officer Phone: 250-714-8959

Safety Officer Email: [Bart.Wojtkiewicz@technicalsafetybc.ca](mailto:Bart.Wojtkiewicz@technicalsafetybc.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.technicalsafetybc.ca](http://www.technicalsafetybc.ca) (search: "manager review")

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

