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January 25, 2018

SCOTT ISLIP  
ROUND ENGINEERING INC  
10 SEGWUN RD  
WATERDOWN ON L8B 0K6  
CA

Service Request Type.: BPV-National BC  
Service Request No.: 2195584  
Your Reference No.: R-0714  
Registered to.: SPENCE ENGINEERING CO INC

Dear SCOTT ISLIP,

Please find enclosed the original response from BC, registered under the CRN No.: 0C19760.51.

As all jurisdictional fees are handled by the Technical Standards and Safety Authority (TSSA), you do not pay any jurisdictions directly.

Should you have any questions or require further assistance, I will be happy to assist you.  
For general enquiries, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail [customerservices@tssa.org](mailto:customerservices@tssa.org). When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Tanya Francis  
Administrative Assistant\_ BPV Engineering  
Tel. : 416-734-3423  
Fax : 416-231-6183  
Email : [tfrancis@tssa.org](mailto:tfrancis@tssa.org)

TECHNICAL STANDARDS & SAFETY AUTHORITY  
345 CARLINGVIEW DRIVE  
TORONTO ON M9W 6N9

**Date:** December 6, 2017  
**Account #:** 35231  
**Journal #:** 69547

**Attn:** TANYA FRANCIS

**Re:** Application for Design Registration

The design, as detailed in your, TSSA SR# 2195584, for a Fitting is accepted for registration as follows:

**Registered To:** SPENCE ENGINEERING CO      **CRN:** 0C19760.51

**Drawing #:** R-0741A,B,C,D,E,F

**Drawing Revision:** 0

**Conditions Of Registration:**

Registration of Spence Main Valves and Pilot Valves as per att'd scope sheets (2 pgs).

This design was registered based on a technical review performed by the province of initial registration in accordance with the Association of Chief Inspectors policy on reciprocal recognition of design review.

**Reviewer's Notes:**

As required by CSA B51 4.2.1, this registration expires on October 25, 2027. This CRN is valid until the expiry date as long as the Manufacturer maintains a valid quality control program verified by an acceptable third-party agency until that date. Should the certification of the quality control program lapse before the expiry date, this registration shall become void.

Contact me if you have any questions. The invoice for registration will be forwarded under separate cover.

SHARON PETERS

boiler.designregistration@technicalsaftybc.ca  
Design Administration

**cc:**



**SPENCE ENGINEERING INC.**  
 150 COLDENHAM ROAD  
 WALDEN, NY  
 12586, U.S.A.

**THIS IS PART OF**  
**CRN 0C19760.5**  
 Technical Standards & Safety Authority  
 Boilers & Pressure Vessels  
 Safety Program

04-Aug-17

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TSBC J#69547

SCOPE OF CRN REGISTRATION

| Product Description               | Design Code             | Size Range   | End Connection Inlet/Outlet | Material Specification     | MAWP at MAWT (psig) (Note 1) | MDMT (F) | Report Number |
|-----------------------------------|-------------------------|--------------|-----------------------------|----------------------------|------------------------------|----------|---------------|
| Type E, E5 and E8 Main Valves     | ASME B31.1, ASME B31.3. | 3/8" thru 2" | N.P.T.                      | ASTM A126-B Cast Iron      | 250 psig at 450F             | -20      | R-0714A       |
| Type E, E5 and E8 Main Valves     | ASME B31.1, ASME B31.3. | 1" thru 5"   | CL. 125 Flanged             | ASTM A126-B Cast Iron      | 125 psig at 450F             | -20      | R-0714A       |
| Type E, E5 and E8 Main Valves     | ASME B31.1, ASME B31.3. | 1" thru 5"   | CL. 250 Flanged             | ASTM A126-B Cast Iron      | 250 psig at 450F             | -20      | R-0714A       |
| Type E2 Main Valves               | ASME B31.1, ASME B31.3. | 3/4" thru 2" | N.P.T.                      | ASTM A126-B Cast Iron      | 15 psig at 250F              | -20      | R-0714B       |
| Type E2 Main Valves               | ASME B31.1, ASME B31.3. | 1" thru 4"   | CL. 125 Flanged             | ASTM A126-B Cast Iron      | 15 psig at 250F              | -20      | R-0714B       |
| Type E6 Main Valves               | ASME B31.1, ASME B31.3. | 3/4" thru 2" | N.P.T.                      | ASTM A126-B Cast Iron      | 250 psig at 200F             | -20      | R-0714C       |
| Type E6 Main Valves               | ASME B31.1, ASME B31.3. | 1" thru 5"   | CL. 125 Flanged             | ASTM A126-B Cast Iron      | 125 psig at 200F             | -20      | R-0714C       |
| Type P, T14, VH210 Pilot Valves   | ASME B31.1, ASME B31.3. | -----        | N.P.T.                      | ASTM A126-B Cast Iron      | 250 psig at 450F             | -20      | R-0714D       |
| Type A35, A82, D5, Q Pilot Valves | ASME B31.1, ASME B31.3. | -----        | N.P.T.                      | ASTM A126-B Cast Iron      | 200 psig at 450F             | -20      | R-0714D       |
| Type E and E5 Main Valves         | ASME B16.34             | 3/8" thru 2" | N.P.T.                      | ASTM A216-WCB Carbon Steel | 300 psig at 750F             | -20      | R-0714E       |
| Type E and E5 Main Valves         | ASME B16.34             | 1" thru 12"  | CL. 150 Flanged             | ASTM A216-WCB Carbon Steel | 150 psig at 500F             | -20      | R-0714E       |
| Type E and E5 Main Valves         | ASME B16.34             | 1" thru 12"  | CL. 300 Flanged             | ASTM A216-WCB Carbon Steel | 300 psig at 750F             | -20      | R-0714E       |
| Type E and E5 Main Valves         | ASME B16.34             | 1/2" thru 8" | CL. 600 Flanged             | ASTM A216-WCB Carbon Steel | 600 psig at 750F             | -20      | R-0714E       |

*u. Val. 0C1. 25/17*



**SPENCE ENGINEERING INC.**  
 150 COLDENHAM ROAD  
 WALDEN, NY  
 12586, U.S.A.



04-Aug-17

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SCOPE OF CRN REGISTRATION

| Product Description   | Design Code | Size Range | End Connection Inlet/Outlet | Material Specification     | MAWP at MAWT (psig) (Note 1) | MDMT (F) | Report Number |
|---|-------------|------------|-----------------------------|----------------------------|------------------------------|----------|---------------|
| Type A, D, D2, D120, D208, D210, N, N20, N33, P, Q, SP/P, T134, T14, VH210 Pilot Valves | ASME B16.34 | -----      | N.P.T., SW                  | ASTM A216-WCB Carbon Steel | 600 psig at 750F             | -20      | R-0714F       |

**Note 1:** In all cases the pressure-temperature ratings of the valves may be limited by the seat and seal materials. Consult Spence literature.

