345 Carlingview Drive
Toronto, Ontario
CANADA M9W 6N9
Tel.: 416.734.3300
Fax.: 416.231.1626
Toll Free: 1.877.682.8772
www.tssa.org

May 29, 2017

SCOTT ISLIP
ROUND ENGINEERING INC
10 SEGWUN RD
WATERDOWN ON L0R 2H8
CA

Service Request Type.: BPV-National BC
Service Request No.: 2053396
Your Reference No.: R-0676 NCI MSS SP-80 VALVES
Registered to.: NCI CANADA INC

Dear SCOTT ISLIP,

Please find enclosed the original response from BC, registered under the CRN No.: 0C19200.51.

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. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Joanna Karpinski
Tel: 416-734-3377
Fax: 416-231-6183
Email: jkarpinski@tssa.org

Safety Authority

505 - 6th Street, Suite 200
New Westminster, BC V3L 0E1

Toll Free: 1-866-566-SAFE
Fax: (778) 396 - 2064
www.safetyauthority.ca

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

Date: April 11, 2017
Account #: 35231
Journal #: 67747
Our File #: 5614326

Attn: TANYA FRANCIS

Re: Application for Design Registration

The design, as detailed in your, TSSA SR# 2053396, for a Fitting is accepted for registration as follows:

Registered To: NCI CANADA INC **CRN:** 0C19200.51

MDMT: -20 deg F

Drawing #: Report R-0676 **Drawing Revision:** 0

Conditions Of Registration:

Registration of Bronze Gate, Globe & Check Valves, Class 150 & 300 per scope of reg'n sheets (att'd 3 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 February 28, 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@safetyauthority.ca
Design Administration

cc:

NCI CANADA INC.
2305 WYECROFT RD.
OAKVILLE, ONTARIO
L6L 6R2, CANADA

11-Jan-17

SCOPE OF CRN REGISTRATION

Product Description	NCI Model	Design Code	Size Range	End Connection	Body and Bonnet Specification	MAWP at 150F (Note 1)	MAWP at MAWT (Note 1,2,3)	MDMT (Note 4)	Design Report
CL.150 Bronze Gate Valve Rising Stem MSS SP-80 Type 2	GTVA-TBZ2333	MSS SP-80 ASME B31.3	1/4" Thru 3"	NPT	ASTM B62 C83600	300 psig	145 psig at 450 F	-20F	R-0676-1
CL.150 Bronze Gate Valve Rising Stem MSS SP-80 Type 2	GTVA-SBZ2333	MSS SP-80 ASME B31.3	1/4" Thru 2"	Solder (Note 5)	ASTM B62 C83600	300 psig	145 psig at 450 F	-20F	R-0676-1
CL.150 Bronze Gate Valve Non-Rising Stem MSS SP-80 Type 1A	GTVB-TBZ2333	MSS SP-80 ASME B31.3	1/4" Thru 3"	NPT	ASTM B62 C83600	300 psig	145 psig at 450 F	-20F	R-0676-1
CL.150 Bronze Gate Valve Non-Rising Stem MSS SP-80 Type 1A	GTVB-SBZ2333	MSS SP-80 ASME B31.3	1/4" Thru 2"	Solder (Note 5)	ASTM B62 C83600	300 psig	145 psig at 450 F	-20F	R-0676-1
CL.150 Bronze Gate Valve Rising Stem MSS SP-80 Type 2 Union Bonnet	GTVA-TBZ2333U	MSS SP-80 ASME B31.3	1/4" Thru 2"	NPT	ASTM B62 C83600	300 psig	145 psig at 450 F	-20F	R-0676-1
CL.150 Bronze Gate Valve Rising Stem MSS SP-80 Type 2 Union Bonnet	GTVA-SBZ2333U	MSS SP-80 ASME B31.3	1/4" Thru 2"	Solder (Note 5)	ASTM B62 C83600	300 psig	145 psig at 450 F	-20F	R-0676-1
CL. 150 Bronze Globe Valve Non-Metallic Disc MSS SP-80 Type 2	GLBA-TBZ2360	MSS SP-80 ASME B31.3	1/4" Thru 3"	NPT	ASTM B62 C83600	300 psig	145 psig at 450 F	-20F	R-0676-2
CL. 150 Bronze Globe Valve Non-Metallic Disc MSS SP-80 Type 2	GLBA-SBZ2360	MSS SP-80 ASME B31.3	1/2" Thru 2"	Solder (Note 5)	ASTM B62 C83600	300 psig	145 psig at 450 F	-20F	R-0676-2
CL. 150 Bronze Globe Valve Metal Disc MSS SP-80 Type 1	GLBA-TBZ2330	MSS SP-80 ASME B31.3	1/4" Thru 3"	NPT	ASTM B62 C83600	300 psig	145 psig at 450 F	-20F	R-0676-2
CL. 150 Bronze Globe Valve Metal Disc MSS SP-80 Type 1	GLBA-SBZ2330	MSS SP-80 ASME B31.3	1/2" Thru 2"	Solder (Note 5)	ASTM B62 C83600	300 psig	145 psig at 450 F	-20F	R-0676-2

THIS IS PART OF CRN OC19200.5
Technical Standards & Safety Authority
Boilers & Pressure Vessels
Safety Program

OC19200.5
Safety AUTHORITY
April 11, 2017

NCI CANADA INC.
2305 WYECROFT RD.
OAKVILLE, ONTARIO
L6L 6R2, CANADA

11-Jan-17

SCOPE OF CRN REGISTRATION CONTINUED

Product Description	NCI Model	Design Code	Size Range	End Connection	Body and Bonnet Specification	MAWP at 150F (Note 1)	MAWP at MAWT (Note 1,2,3)	MDMT (Note 4)	Design Report
CL.150 Inline Bronze Lift Check Valve Non-Metallic Disc MSS SP-80 Type 2	CKVB-TBZ2373	MSS SP-80 ASME B31.3	1/2" Thru 2"	NPT	ASTM B62 C83600	300 psig	145 psig at 450 F	-20F	R-0676-3
CL.150 Inline Bronze Lift Check Valve Non-Metallic Disc MSS SP-80 Type 2	CKVB-SBZ2373	MSS SP-80 ASME B31.3	1/2" Thru 2"	Solder (Note 5)	ASTM B62 C83600	300 psig	145 psig at 450 F	-20F	R-0676-3
CL.150 Bronze Y-Type Check Valve Metal Disc MSS SP-80 Type 3	CKVA-TBZ2331	MSS SP-80 ASME B31.3	1/4" Thru 3"	NPT	ASTM B62 C83600	300 psig	145 psig at 450 F	-20F	R-0676-4
CL.150 Bronze Y-Type Check Valve Metal Disc MSS SP-80 Type 3	CKVA-SBZ2331	MSS SP-80 ASME B31.3	1/4" Thru 3"	Solder (Note 5)	ASTM B62 C83600	300 psig	145 psig at 450 F	-20F	R-0676-4
CL.150 Bronze Y-Type Check Valve Non-Metallic Disc MSS SP-80 Type 4	CKVA-TBZ2361	MSS SP-80 ASME B31.3	1/4" Thru 3"	NPT	ASTM B62 C83600	300 psig	145 psig at 450 F	-20F	R-0676-4
CL.150 Bronze Y-Type Check Valve Non-Metallic Disc MSS SP-80 Type 4	CKVA-SBZ2361	MSS SP-80 ASME B31.3	1/4" Thru 3"	Solder (Note 5)	ASTM B62 C83600	300 psig	145 psig at 450 F	-20F	R-0676-4
CL.300 Bronze Gate Valve Non-Rising Stem MSS SP-80 Type 1A Union Bonnet	GTVB-TBZ3333U	MSS SP-80 ASME B31.3	1/4" Thru 2"	NPT	ASTM B61 C92200	1000 psig	300 psig at 550 F	-20F	R-0676-5
CL.300 Bronze Gate Valve Rising Stem MSS SP-80 Type 2 Union Bonnet	GTVA-TBZ3333U	MSS SP-80 ASME B31.3	1/4" Thru 2"	NPT	ASTM B61 C92200	1000 psig	300 psig at 550 F	-20F	R-0676-5
CL. 300 Bronze Globe Valve Stainless Steel Disc and Seat MSS SP-80 Type 3 Union Bonnet	GLBA-TBZ3443U	MSS SP-80 ASME B31.3	1/4" Thru 2"	NPT	ASTM B61 C92200	1000 psig	300 psig at 550 F	-20F	R-0676-6
CL. 300 Bronze Globe Valve Metal Disc MSS SP-80 Type 1 Union Bonnet	GLBA-TBZ3333U	MSS SP-80 ASME B31.3	1/4" Thru 2"	NPT	ASTM B61 C92200	1000 psig	300 psig at 550 F	-20F	R-0676-6

THIS IS PART OF CRN OC 19200.5
Technical Standard's & Safety Authority
Boilers & Pressure Vessels
Safety Program

OC19200.5
Safety AUTHORITY
April 11 2017
BCSA # 6174

NCI CANADA INC.
2305 WYECROFT RD.
OAKVILLE, ONTARIO
L6L 6R2, CANADA

11-Jan-17

SCOPE OF CRN REGISTRATION CONTINUED

Product Description	NCI Model	Design Code	Size Range	End Connection	Body and Bonnet Specification	MAWP at 150F (Note 1)	MAWP at MAWT (Note 1,2,3)	MDMT (Note 4)	Design Report
CL.300 Bronze Y-Type Check Valve Metal Disc MSS SP-80 Type 3	CKVA-TBZ3330	MSS SP-80 ASME B31.3	1/4" Thru 2"	NPT	ASTM B61 C92200	600 psig	300 psig at 550 F	-20F	R-0676-7

Note 1: The pressure-temperature ratings shown are the maximum CRN pressure-temperature ratings. In all cases the MAWP may be limited by the seat or seal material or other considerations. Please consult NCI valve literature.

Note 2: Pressure-temperature ratings are in accordance with MSS SP-80 Table 1.

Note 3: Some codes (i.e., ASME BPVC, Section 1) limit the rating temperatures of ASTM B62 C83600 to 406F.

Note 4: The ratings given in MSS SP-80 at -20F to 150F shall also apply at lower temperatures. Products that are to operate at low temperatures shall conform to the rules of the applicable codes under which they are used.

Note 5: The safe pressure-temperature rating of a solder-joint piping system is dependent, not only on the valve, fitting and tubing strength, but also on the composition of the solder used for the joints. Pressure-temperature limitations for solder joints made with typical commercial solders are given in Table A1 of MSS SP-80. It shall be the responsibility of the user to select a solder composition that is compatible with the service conditions, as well as to assure the adequacy of workmanship employed in making the joints.

THIS IS PART OF
CRN 0C19200.5
Technical Standards & Safety Authority
Boilers & Pressure Vessels
Safety Program

OC19200.51
British Columbia
Safety
AUTHORITY
April 11, 2017
BCSA J#67747