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February 19, 2019

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

Service Request Type: BPV-Fitting Registration
Service Request No.: 2505876
Your Reference No.: R-0984C
Registered to: CORROSION RESISTANT PRODUCTS LIMITED

Dear SCOTT ISLIP,

Technical Standards and Safety Authority (TSSA) is pleased to inform you that your submission has been reviewed and registered as follows:

CRN.: **0A21120.5**
Main Design No.: LINED ELBOWS
Expiry Date: 19-Feb-2029

This is ASME B31.3 (2016) design and it is applicable to normal fluid service. Required examination follows 341.4.1(a) and (b). See scope of CRN registration (24-Jan-19) and Design Report number R-0984C.

Please be advised that a valid quality control system must be maintained for the fitting registration to remain valid until the expiry date.

A stamped copy of the approved registration and invoice for engineering services will be mailed to you shortly. Should you have any questions or require further assistance, however, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail customerservices@tssa.org. We will be happy to assist you. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Alan Wu P. Eng.
Mechanical Engineer, BPV
Tel. : 416-734-3443
Fax : 416-231-6183
Email : awu@tssa.org



TECHNICAL STANDARDS & SAFETY AUTHORITY
 14th Floor, Centre Tower
 3300 Bloor Street West
 Toronto, Ontario
 Canada M8X 2X4

Show facsimile of manufacturer's logo or trademark, as it will appear on the fitting, in the space below



STATUTORY DECLARATION Registration of Fittings

I, David MacGregor, Engineering Manager
(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of Corrosion Resistant Products Limited
(Name of Manufacturer)

Located at Todmorden Road, Littleborough, OL15 9EG, United Kingdom +441706756404
(Plant Address) (Telephone No.) (Fax No.)

do solemnly declare that the fittings listed hereunder, which are subject to the **Technical Standards and Safety Act**, Boilers and Pressure Vessels Regulation, comply with all of the requirements of ASME B31.3

(Title of recognized North American Standard)

which specifies the dimensions, materials of construction, pressure/temperature ratings, identification marking the fittings and service;

or are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with _____ as supported by the attached data which identifies the dimensions, material of construction, pressure/temperature ratings and the basis for such ratings, the marking of the fitting for identification and service.

I further declare that the manufacture of these fittings is controlled by a quality system meeting the requirements of ISO 9001:2015 which has been verified by the following authority, ALCUMUS ISOQAR

The items covered by this declaration, for which I seek registration, are category A - LINED ELBOWS type fittings. In support of this application, the following information and/or test data are attached as follows:
SCOPE OF CRN REGISTRATION, REPORTS, DRAWINGS, CALCULATIONS

(drawings, calculations, test reports, etc.)

Declared before me at Littleborough in the County of Lancashire
 the 30th day of January AD 2019.

Commissioner for Oaths:

JOHN PORTER
(Printed name)
[Signature]
(Signature)

JOHN A.C. PORTER LLB
Wrigley Claydon Solicitors
 29/33 Union Street
 Oldham
 OL1 1TH

David MacGregor
(Signature of Declarer)

FOR OFFICE USE ONLY

To the best of my knowledge and belief, the application meets the requirements of the **Technical Standards and Safety Act**, Boilers and Pressure Vessels Regulation, and CSA Standard B51 and is accepted for registration in Category A

CRN: 0A21120.5

Registered by: A Wu

Dated: Feb 19, 2019

NOTE: This registration expires on Feb 19, 2029

Technical Standards and Safety Authority

Boilers and Pressure Vessels Safety Program

REGISTERED

C.R.N.: 0A21120.5

Signed: [Signature]

Date: Feb 19, 2019

PV 09553 (06/04)

THIS IS ASME B31.3 (2016) DESIGN AND IT IS APPLICABLE TO NORMAL FLUID SERVICE ONLY. REQUIRED EXAMINATION FOLLOWS 341.4.1 (a) AND (B). SEE SCOPE OF CRN REGISTRATION AND DESIGN



CORROSION RESISTANT PRODUCTS LIMITED
TODMORDEN ROAD
LITTLEBOROUGH
OL15 9EG, UNITED KINGDOM

24-Jan-19

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SCOPE OF CRN REGISTRATION

Product Description	End Connection Inlet/Outlet	Drawings	Design Code	Body Material Specification	CRN Design Conditions	Report Number
Elbows - Lined 45°, 90°	1-1/2" CL. 150 Flanged, 3" CL. 150 Flanged, 6" CL. 150 Flanged,	4019 R.08 4568 R.11 26552 R.00 26553 R.00 26550 R.00	ASME B31.3	Carbon Steel ASTM A105 Carbon Steel ASTM A234-WPB Carbon Steel ASTM A106-B Cast Steel ASTM A216-WCB	10 barg at 180°C / 145 psig at 356°F	R-0984C

THIS IS PART OF
CRN 0A21120.5
Technical Standards & Safety Authority
Boilers & Pressure Vessels
Safety Program