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October 20, 2022

ROUND ENGINEERING INC
10 SEGWUN RD
WATERDOWN ON L8B 0K6

Workorder Type: Registration - Fitting(Conventional)
Workorder No: 8188886
Your Reference No.: R-1775
Registered to: WASTECH CONTROLS & ENGINEERING, INC.

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 : 0H24242.5
Main Design No.: CIP Caustic Tank Piping per Scope of CRN Registration
Expiry Date: Oct 20, 2032

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

The stamped copy of the approved registration and the invoice are mailed separately (There will be no hard copies for electronic submissions). Should you have any questions or require further assistance, 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,

Zivko Gacevic , P. Eng.
Engineer, BPV
Tel. : +1 416-734-3429
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Technical Standards and Safety Authority
 345 Carlingview Drive
 Toronto, Ontario M9W 6N9
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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, Serge Saatejian, Vice President
(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of Wastech Controls & Engineering, Inc.
(Name of Manufacturer)

Located at 20600 Nordhoff Street, Chatsworth, CA, 91311, USA 1-818-998-3500
(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, ABS Quality Evaluations.

The items covered by this declaration, for which I seek registration, are category H - CIP Caustic Tank Piping 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 Chatsworth in the Los Angeles County of California, USA
 the 24 day of September AD 2022.



Commissioner for Oaths:

Inderbir Singh Bhullar, Notary Public
(Printed name)

[Signature]
(Signature)

[Signature]
(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 'H'.

CRN: _____

Registered by: _____

Dated: _____

NOTE: This registration expires on: **Oct. 20, 2032**

Technical Standards and Safety Authority
 Boilers and Pressure Vessels Safety Program

REGISTERED

C.R.N.: 0H24242.5

Signed: [Signature]

Date: **October 20, 2022.**

**Information provided in this application is releasable under the Freedom of Information and Privacy Protection Act and may be disclosed upon request.*

WASTECH

CONTROLS & ENGINEERING, INC.
20600 NORDHOFF STREET
CHATSWORTH, CA
91311, USA



SCOPE OF CRN REGISTRATION

Product Description	Drawing Numbers	Design Code	Pipe / Tube Material	Pipe / Tube Size Range	Maximum MAWP at MAWT (psig)	MDMT	Design Report No.
CIP Caustic Tank Piping	General Arrangement 221161-MG-2101 Rev. 0, 221161-MG-2102 Rev. 0, 221161-MG-2103 Rev. 0 CRN Rated Lines 221161-MA-2102 Rev. 0, 221161-MA-2107 Rev. 0, 221161-MA-2108 Rev. 0	ASME B31.3 2020 ed.	Polypropylene PPR Grey as manufactured by AGRU	1/2" SDR11 (20 mm OD x 1.9 mm wall thk.), 1" SDR 11 (32 mm OD x 2.9 mm wall thk.)	35 psig (2.40 barg) at 75°F (24°C)	50°F / 10°C	R-1775 Rev. 0

Notes:

- 1) MAWP = Maximum Allowable Working Pressure, MAWT = Maximum Allowable Working Temperature, MDMT = Minimum Design Material Temperature
- 2) Environmental and/or service conditions may effect the short term and long term strength of Polypropylene. Suitability for service of Polypropylene is the responsibility of the user and/or piping designer.
- 3) Precautions should be taken to safeguard the pipe against excessive shock, vibration, pulsation and mechanical abuse.
- 4) Personnel or companies installing these products shall follow the applicable jurisdiction requirements in the Province/Territory that the product is installed.

THIS IS PART OF CRN
OH24242.5
Technical Standards and Safety Authority
Boilers and Pressure Vessels Safety
Program