|  |  |  |  |
| --- | --- | --- | --- |
| Mfr. Representative: |       | Date: |       |
| Authorized Inspector: |       | Date: |       |
|  | Page |       | of |       |  |
|  |
| **FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS** |
| **(Alternative Form for Single Chamber, Completely Shop or Field Fabricated Vessels Only)** |
| **As Required by the Provisions of the ASME Boiler and Pressure Vessel Code Rules, Section VIII, Division 1** |
|  |
| 1. Manufactured and certified by
 |       |
|  |  |
|       |
| (Name and address of Manufacturer) |
| 1. Manufactured for
 |       |
|  | (Name and address of Purchaser) |
| 1. Location of installation
 |       |
|  | (Name and address) |
| 1. Type
 |       |  |       |  |       |  |       |  |       |  |       |
|  | (Horizontal or vertical, tank) | (Manufacturer’s serial number) | (CRN) | (Drawing Number) | (National Board number) | (Year built) |
| 1. ASME Code, Section VIII, Div. 1
 |       |  |       |  |       |
|  | [Edition and Addenda, if applicable (date)] | (Code Case number) | [Special service per UG-120(d)] |
| 1. Shell
 |       |  |       |  |       |  |       |  |       |
|  | (Material spec. number, grade) | (Nominal thickness) | (Corr. allow.) | (Inner diameter) | [Length (overall)] |
| **Body Flanges on Shells** |
| No. | Type | ID | OD | Flange Thk | Min Hub Thk | Material | How Attached | Location | Bolting |
| Num & Size | Bolting Material | Washer (OD, ID, thk) | Washer Material |
|       |       |       |       |       |       |       |       |       |       |       |       |       |
|       |       |       |       |       |       |       |       |       |       |       |       |       |
|       |       |       |       |       |       |       |       |       |       |       |       |       |
|       |       |       |       |       |       |       |       |       |       |       |       |       |
|  |
| 1. Seams
 |       |  |       |  |       |  |       |  |       |  |       |  |       |  |       |  |       |
|  | [Long. (welded, dbl., sngl., lap, butt)] | [R.T. (spot or full)] | (Eff., %) | (H.T. temp.) | (Time, hr) | [Girth (welded, dbl., sngl., lap, butt)] | [R.T. (spot or full)] | (Eff., %) | (No. of courses) |
| 1. Heads: (a) Material
 |       | (b) Material |       |
|  | (Spec. no., grade) |  | (Spec. no., grade) |
|  | Location (Top,Bottom, Ends) | Thickness | Radius | Elliptical Ratio | Conical Apex Angle | Hemispherical Radius | Flat Diameter | Side to Pressure | Category A |
| Min. | Corr. | Crown | Knuckle | Convex | Concave | Type  | Full, Spot, None | Eff. |
| (a) |       |       |       |       |       |       |       |       |       |       |       |       |
| (b) |       |       |       |       |       |       |       |       |       |       |       |       |
|  |
| **Body Flanges on Heads** |
|  | Location | Type | ID | OD | Flange Thk | Min Hub Thk | Material | How Attached | Bolting |
| Num & Size | Bolting Material | Washer (OD, ID, thk) | Washer Material |
| (a) |       |       |       |       |       |       |       |       |       |       |       |       |
| (b) |       |       |       |       |       |       |       |       |       |       |       |       |
|  |
| 1. MAWP
 |       |  |       | at max. temp. |       |  |       | . |
|  | (Internal) | (External) |  | (Internal) | (External) |
| Min. design metal temp. |       | at |       | . Hydro., pneu., or comb. test pressure |       | . |
|  |
| Proof test |       | . |  |
|  |
| 1. Nozzles, inspection and safety valve openings:
 |
|  |
| Purpose (Inlet, Outlet, Drain, etc.) | No.  | Diameter or Size | Type | Material | Nozzle Thickness | Reinforcement Material | Attachement Details | Location (Insp. Open.) |
| Nozzle | Flange | Nom. | Corr. | Nozzle | Flange |
|       |       |       |       |       |       |       |       |       |       |       |       |
|       |       |       |       |       |       |       |       |       |       |       |       |
|       |       |       |       |       |       |       |       |       |       |       |       |
|       |       |       |       |       |       |       |       |       |       |       |       |
|       |       |       |       |       |       |       |       |       |       |       |       |
|       |       |       |       |       |       |       |       |       |       |       |       |
|       |       |       |       |       |       |       |       |       |       |       |       |
|  |
| 1. Supports: Skirt
 |       | Lugs |       | Legs |       | Other |       | Attached |       |
|  | (Yes or no) |  | (Number) |  | (Number) |  | (Describe) |  | (Where and how) |
| 1. Remarks: Manufacturer´s Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following
 |
| items of the report: |       |
|  | (Name of part, item number, Manufacturer´s name and identifying stamp) |
|       |
| (07/21) |

|  |  |  |  |
| --- | --- | --- | --- |
| Mfr. Representative: |       | Date: |       |
| Authorized Inspector: |       | Date: |       |
|  | Page |       | of |       |  |
|  |
| **FORM U-1A** |
|  |
| Manufactured by |       |
| Manufacturer’s Serial No. |       |  | CRN |       |  | National Board No. |       |  |
|  |
|  |
| **CERTIFICATE OF SHOP/FIELD COMPLIANCE** |
|  |
| We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel |
| conform to the ASME BOILER AND PRESSURE VESSEL CODE, Section VIII, Division 1. “U” Certificate of Authorization Number |       |  |
| expires |       | . |  |  |
|  |  |  |
| Date |       |  | Co. name |       |  | Signed |       |  |
|  |  |  |  | (Manufacturer) |  |  | (Representative) |  |
|  |
| **CERTIFICATE OF SHOP/FIELD INSPECTION** |
| Vessel constructed by |       | at |       | . |
|  |
|  I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors an employed by |
|       |
| have inspected the component described in this Manufacturer's Data Report on  |       | , and state that, |
| to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME BOILER AND PRESSURE |
| VESSEL CODE, Section VIII, Division 1. By signing this certificate neither the Inspector nor his/her employer makes any warranty, expressed or |
| implied, concerning the pressure vessel described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his/her employer |
| shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. |
|  |
| Date |       | Signed |       | Commissions |       |  |
|  |  |  | (Authorized Inspector) |  | [National Board Authorized Inspector Commission number] |  |
| (07/21) |