

INSPECTION & TEST PLAN

| STATIC DATA | | | | | |
|-------------------|----------------|--------------|----------|---------------------|------------------------|
| Plant | Marsden | Eq# | 62065570 | Manufacturer | I.P. Constructors LTD. |
| LSD | 01-30-044-26w3 | Tag # | V-101 | Serial # | 91-1275 |
| Created by | Luke Newport | Date | 2022 | CRN # | A-1952.3 |

| Due Date | Method | Completed by | Certification |
|----------|---------------------------------|--------------------------------|--------------------------------|
| 2022 | Visual External Inspection (VE) | TSASK Licensed Inspector | TSASK Class 1 or TSASK Class 2 |
| 2022 | Visual Internal Inspection (VI) | TSASK Licensed Inspector | TSASK Class 1 or TSASK Class 2 |
| 2022 | Ultrasonic Testing (UT) | NDE contractor – UT technician | CGSB level 1 or CGSB level 2 |
| 2022 | Radiographic Testing (RT) | NDE contractor – RT technician | CGSB level 2 |

Inspection

VE: Perform visual external inspection of vessel by a licensed TSASK in-service inspector.

VI: Perform visual internal inspection of vessel by a licensed TSASK in-service inspector. If damage is found, physically mark indications with a paint marker and clearly mark indications on report utilizing sketches and/or photographs and report findings to Cenovus Inspector.

UT: Perform UT on vessel following the attached CML drawing. If no drawing is attached, vendor to select the CML locations, mark on the vessel and associated piping and complete a CML drawing.
CML's must be scanned and the minimum thickness to be recorded. If corrosion found, comments to be left regarding type of corrosion identified for each CML (general vs pitting); if pitting; physically identify lowest thickness reading in CML with paint marker

RT: Provide RT examination following the attached RT drawing.

Preparation

VE: Remove desand inlet and outlet valves and high-pressure wash vessel flange faces so they can be inspected.

VI: Internally high-pressure wash vessel shell, heads, nozzles, firetube flanges and internals (remove sandpans, desand inlet and outlet piping, inlet horseshoe doors). Ensure vendor is careful when cleaning vessel not to wash in one spot for too long wearing coating away or not to hit the coating with the end of their wash wand causing damage to the coating. Once complete vessel is to be white glove clean. No solids, scales, deposits, films, residues or moisture pools. LEL, H2S, benzene and NORMS reduced, and oxygen maintained to OH&S industry acceptable levels to allow work without respiratory PPE and allow performance of hot work. Coating Vendor should be contacted prior to ensure availability if coating repairs are required.

UT: No preparation required

RT: No preparation required