



# HIGHLANDER

ENGINEERING SERVICES, PLLC

*Design & Construction  
Engineering Solutions*



Using the original vessel shop drawings for design details, a calculation package to increase the **MAWP** by 45 psig of an existing pressure vessel was prepared.

Included in the analysis were local loads from pipe supports, platforms, and nozzles as well as the vessel internal and external pressure in addition to wind and seismic considerations.

Additional services may include working with the owner's **Authorized Inspector (AI)** to address other requirements for obtaining an **R Stamp**.

Other services include:

- Lower minimum wall thickness per **NBIC** requirements;
- Remaining vessel life determination;
- Local load analysis for new platforms, pipe hanger supports; &
- Calculations for installing new nozzles.

## **Pressure Vessel Re-Rating**

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