

Project Scope:

Great Northern Engineering provide American Petroleum Institute (API) 653 compliant tank inspections and certification reports for Tank 4, Tank 8, and Tank 9 of the Port of Anchorage Plant 1 Tank Farm.

Project Detail:

- Provided an API Standard 653 authorized inspector to examine, test, and certify the above listed tanks.
- Formal out of service inspection of above ground tanks.
- Magnetic Tank Flux Exclusion Bottom Scan.
- Edge settlement survey, calculations, and evaluation.
- Ultrasonic thickness measurements of tank bottom, shell, and roof.
- Involved comparison of original as-built thicknesses with current thickness measurements to establish a corrosion factor and inspection interval recommendation based on the estimated rate of corrosion.
- Internal coating inspection, dry film thickness evaluation
- Final full report with all corrosion calculations, test results, and recommendations related to certifying the tanks for continued use.

