

## Above Ground Storage Tank Services

Phoenix National Laboratories, Inc., is an independent third party company offering services to Tank Owners in Arizona. PNL was founded in 1994 and is now one of the largest Inspection & Testing laboratories in the southwest, providing services to a wide range of industries. PNL is a 24/7 operation and has multiple professional engineers on staff registered in the State of Arizona. PNL believes that quality inspections are the key to reliability. Our tank inspection crews are made up of specialty trained, experienced technicians who adhere to the highest quality standards. Our API 653 inspectors deliver thorough, reliable evaluations for code compliance, for all types of storage tanks. We methodically inspect any in-service or out-of-service above-ground storage tanks according to API, STI, FTP or 12R1 standards and provide detailed on-site reports, and at the lowest possible cost.

PNL offers many tank services including:

- Inspection & Certification
- Visual Utilizing Drones & Video Reports
- Engineering Assessments
- Project Management
- Detailed Repair Plans
- New Tanks - QA, QC and all NDT Required
- SPCC Compliance Inspections

We work with many subcontractors that can provide :

- Painting & Coating
- Tank and Piping Repair & Maintenance
- Verticality & Roundness and other Surveys

PNL Inspection technicians are thoroughly trained and qualified in accordance with the Tank Inspection procedures for qualification and certification of Nondestructive Examination Personnel which is in accordance to the guidelines set forth in ASNT Recommended Practice SNT-TC-1A 2016 edition.

### Non-Destructive Testing Services (NDT)

- Ultrasonic Testing (UT) - Welds & Thickness
- X-Ray - Film (RT) and Filmless (CRT)
- Magnetic Particle Testing (MT)
- Penetrant Testing (PT)
- Leak Testing (LT)
- Eddy Current Testing (ET)

## Advanced NDE Inspection Equipment Includes:

- Long Range Ultrasonic Testing (LRUT), on piping using a Guided Wave Ultrasonics
- Phased Array Ultrasonic Testing (PAUT)
- Tank Bottom Magnetic Flux Leakage (MFL) Scans
- Automated Ultrasonic Crawler
- Visual High Locations, Video with Drones

## Industry Training/Certifications

- NACE Coatings and Corrosion Specialist
- Steel Tank Institute (STI) SP001 Certified Tank System Inspector
- Steel Tank Institute (STI) Cathodic Protection Testers
- American Society for Non-Destructive Testing (ASNT) SNT-TC-IA Level II
- American Petroleum Institute (API) 653 Aboveground Storage Tank Certified Inspector
- American Petroleum Institute (API) 510 Pressure Vessel Certified Inspector
  
- OSHA Safety Compliance
- 30 Hour General Industry Certifications
- 29 CFR 1910.132 Personal Protective Equipment
- 29 CFR 1910.134 Respiratory Protection
- 29 CFR 1910.146 Confined Space Entry
- 29 CFR 1910.147 Energy Operation (Lockout/Tagout)
- 29 CFR 1926.651 Trenching and Shoring
- CPR and First Aid

## Advantages of using PNL

- PNL is available 24/7 and offers a quick response to emergency needs
- PNL can be a backup source to your present vendor, or provide most common services like inspection and testing to reduce tank owners costs
- PNL has (3) Professional Engineers, P.E.'s registered in the State of Arizona
- PNL can provide many other services which might be needed, such as; Material Testing, Metallurgical Studies and, Failure Analysis. See the PNL website.
- Website at [www.pnltest.com](http://www.pnltest.com) for all of PNL's services.
- PNL's state of the art equipment and highly experienced technicians ensure that tank owners needs are met in an efficient and timely manner and at the lowest possible cost.

We would be happy to meet with your company, to discuss how PNL could be of service to your above ground storage tank inspection needs. If you have any questions please contact us and please visit our website at: [www.pnltest.com](http://www.pnltest.com).

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