



NuWeld, Inc.

WELDING | ENGINEERING | FABRICATION





Our management team has over 280 years of combined experience in welding and fabrication for the energy and petrochemical industries

Our Assets

- 211,000 sq. ft. on 24 acres with 15 acres of laydown
- 13 overhead cranes with capacities up to 20 tons. maximum lifting capacity of facility is > 40+tons
- Direct Rail Access
- Drafting and Engineering Support
- Fully Staffed Quality Assurance / Quality Control Departments
- Full Fleet of earth moving equipment and tractor trailers



Fabrication

- 40+ Welding Machines
- Safety and Non-Safety Related Material Segregation
- Filler Metal Control (Locked Rod Issue Station)
- Sandblasting and Painting

Our safety department is structured for optimal safety performance, communication and coverage.

Safety is our top priority

We live by the 4 R's	RECOGNIZE
	REPORT
	REMAIN SAFE
	RETURN HOME



Pro-Active Safety Leadership

- Zero Accidents / Zero Injuries
- Accredited Safety Trainers
- Extensive Job-Specific New Hire Safety Training
- Mandatory OSHA Refresher and Safety Retraining
- Roving Shop / Field Safety Personnel
- Computerized record keeping – track, analyze and pattern safety performance
- Instant Recognition Program – Awards for Outstanding Safety Practices
- Shop and Field Safety Walkdowns

****Proactive safety leadership has reduced our TRIR by 300% over the last five years****



Working with OSHA to achieve SHARP (Safety and Health Achievement Recognition Program)- recognizes small business employers with exemplary injury and illness prevention programs

Quality Assurance/Quality Control

Quality Management System

NuWeld's Quality Assurance Manual meets the 18 point criteria of:

- ASME-NQA-1
- 10CFR50 Appendix B
- 10CFR Part 21 procedure with reportability

Supplier Quality is controlled through

- Audited & Approved Vendor List
- Procurement Document Control
- Commercial Grade Dedication
- Commercial Grade Dedication Procedure

ASME Boiler & Pressure Vessels

"U" stamp- section VIII, Pressure vessels
"S" stamp- Section 1, Power Boilers

National Board Inspection Code (NBIC)

"R" stamp Boiler & Pressure Vessel Repairs
"NB" stamp- Authority to register with the National Board

Quality Improvements

On Site Gas Industry Codes

- API 1104
- B31.1, B31.3, B31.8
- 49 CFR 192
- 49 CFR 195



Nuclear Fuel Transfer Mating Devices



Approved Subcontractors used for

- MT- Magnetic Particle Testing
- UT- Ultrasonic Testing
- RT- Radiographic Testing

Inspection

- Inspectors Certified per SNT-TC-1A for VT and PT
- Certified Welding Inspectors per AWS QC-1 (CWI)
- Certified Pipe Line Inspectors (CWPI)
- VT- Visual Testing
- PT- Liquid Penetrant Testing



Stainless Steel & Titanium Bent/Weld Pipe Joggles



Fabrication Capabilities

NuWeld has over 100 qualified Welding Procedures (WPS) in accordance with:

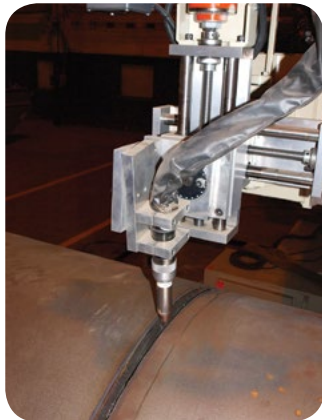
- ASME IX
- API 1104
- AWS D1.1
- AWS D1.4
- AWS D1.6
- AWS D1.9

Welder's are tested and qualified per:

- ASME IX
- API 1104
- AWS (sections may vary)

Welder Training

NuWeld is committed to the ongoing training and testing of our welders to provide the industry with top quality welding done right one time, on time.



Welding Processes

- SMAW
- GTAW
- FCAW
- GMAW
- SAW
- STT

Specialized Welding Capabilities

- Plasma Arc Welding
- Automatic Welding
- Orbital Welding
- Hard Facing and Corrosion Resistant Overlays



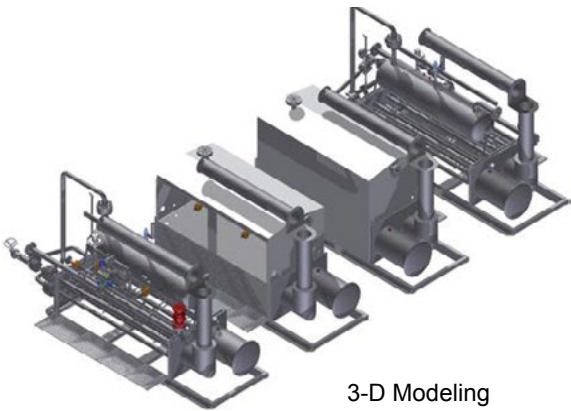
Map 12
Nuclear Fuel Container

Base Materials include but not limited to:

- Carbon Steel
- Stainless Steel
- Duplex Stainless Steel
- High Chrome Steel
- Chrome-moly Steel
- Aluminum
- Cobalt
- Titanium
- Inconel

NOTE: NuWeld has the ability to qualify new procedures in house based on customer requirements and specifications

NuWeld is the fabricator that has the capabilities and capacity to successfully complete your project.



3-D Modeling

Engineering

- Piping Analysis
- Advanced Pressure Vessel Design
- Pipe Support Calculations
- In-house P.E. and EIT
- On-site Engineering Support
- Material Procurement

Design Engineering

- Isometric & Orthographic Drawings
- P & ID Drawings
- Complete site layout
- Weld Maps
- 3D Modeling

Design Engineering Software

- AutoDesk Inventor
- AutoDesk Simulation
- CAEPIPE



Production Units

Structural Fabrication Capabilities Include:



Well Head Cages for Infield Drilling

- Equipment Skids
- Pipe rack modules
- Structural modules
- Sand Separators
- Production Units
- Pressure Vessels
- Boilers
- Launchers and Receivers- Traditional & Skid Mounted
- Flow Lines
- Headers
- Distribution Systems
- Skids
- Sub-assemblies
- High Reach Valve Access Stairs
- Well Head Covers
- Water Tanks & Clarifiers
- Crossover Stairs
- De-Hy Platforms
- Ladders and Platforms with Safety Gates
- Large Crossovers
- Stair Assemblies - Galvanized Treads and Landings

Field Services Offerings

Field Services Capabilities:

- Dehydration Facilities
- Building Erection & Site Development
- Well head Hook-up
- Install Flow-lines
- Install Headers & Distribution Systems
- Compressor Stations
- Excavation & Foundations
- Instrumentation Systems
- Installation of Containment Systems
- Install Headers Skids with Foundations and Pads
- Install Launchers & Receivers
- Well Tending Services & Roustabout Services



Dehydration Facility

Pipeline Services:

- Steel
- Flex Steel
- Polyethylene Fusion Machining
- Right of way clearing (ROW)
- Hydro static testing
- Certified pipe line welding inspection (CPWI)



Valve Maintenance and Repair



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Leading the Way Worldwide in Welding,
Engineering & Fabrication for the
Nuclear & Power Industries