



NuWeld, Inc.

Fabricating The Future of Energy

LEADING THE WAY WORLDWIDE IN WELDING, ENGINEERING AND FABRICATION FOR THE NUCLEAR, NATURAL GAS AND POWER INDUSTRIES.

Safety



NuWeld, Inc.

- 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
- Safety Teams- Shop and Field Safety Walk-downs
- **Awarded the SHARP** (Safety and Health Achievement Recognition Program) Certificate- recognizes small business employers with exemplary injury and illness prevention programs



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



Quality Assurance Program



NuWeld, Inc.

NuWeld's QA Manual meets the 18 Point Criteria of:

- ASME NQA-1 and 10CFR50 Appendix B.
- 10CFR Part 21 Procedure with Reportability
- Commercial Grade Dedication Procedure

ASME Boiler & Pressure Vessel

- "U" stamp – Section VIII, Pressure Vessels
- "S" stamp- Section I, Power Boilers

National Board Inspection Code (NBIC)

- "R" Stamp Boiler and Pressure Vessel Repairs
- "NB" Stamp- Authority to register with the National Board

On-Site Gas Industry Codes

API 1104

B31.1, B31.3, B31.8

49 CFR 192

49 CFR 195



Orbital Welding on Titanium



Uncontrolled copy of NuWeld's Quality Manual is available upon request

Quality Control Inspection



NuWeld, Inc.

- NuWeld inspectors are certified in accordance with
 - SNT-TC-1A for PT and VT
 - AWS QC-1(Certified Welding Inspector)
 - Welding Inspection for Pipelines (CWPI)
- VT- Visual Testing
- PT- Liquid Penetrant Testing
- *MT- Magnetic Particle Testing
- *UT- Ultrasonic Testing
- *RT- Radiographic Testing



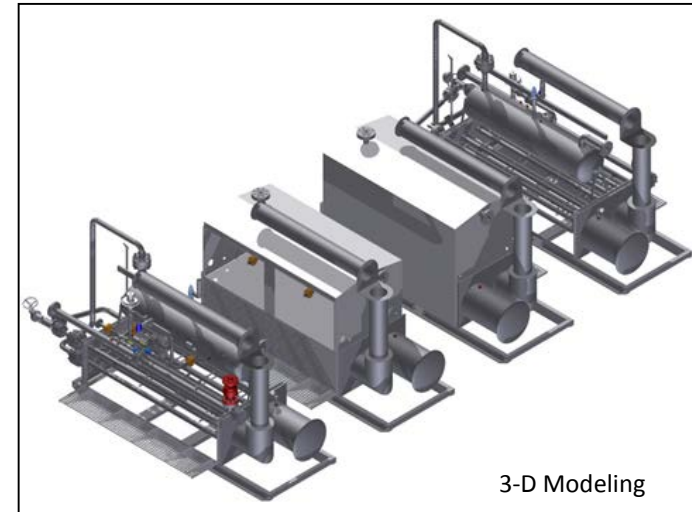
* using an approved subcontractor



NuWeld, Inc.

Engineering Capabilities

- Orthographic & Isometric Drawings
- Piping Analysis
- Advanced Pressure Vessel Design
- Site Layout
- P & ID Drawings



Production Units

- Design Services
- Support Calculations
- Material Procurement
- 3-D Modeling
- In-House PE and EIT

Welding



NuWeld, Inc.

- Approved Welding Procedure Specification's and Welder Performance Certification's in Accordance with:
 - ASME Section IX
 - API 1104
 - AWS Structural Codes

- Ability to qualify new welding procedures based on customer requirements and specifications with rapid turn around.

- Weld processes currently being utilized in shop and field include: SMAW; GTAW; FCAW; GMAW- (RMD) (STT), and SAW

- Specialty welding processes include: Plasma Arc Welding; Automatic Welding; Orbital Welding and Hard Facing and Corrosion Resistant Overlays

- **Over 100 Welding Procedures Qualified for various metals including:** Carbon Steel, Stainless Steel, Low Alloy Steel, Titanium and Aluminum

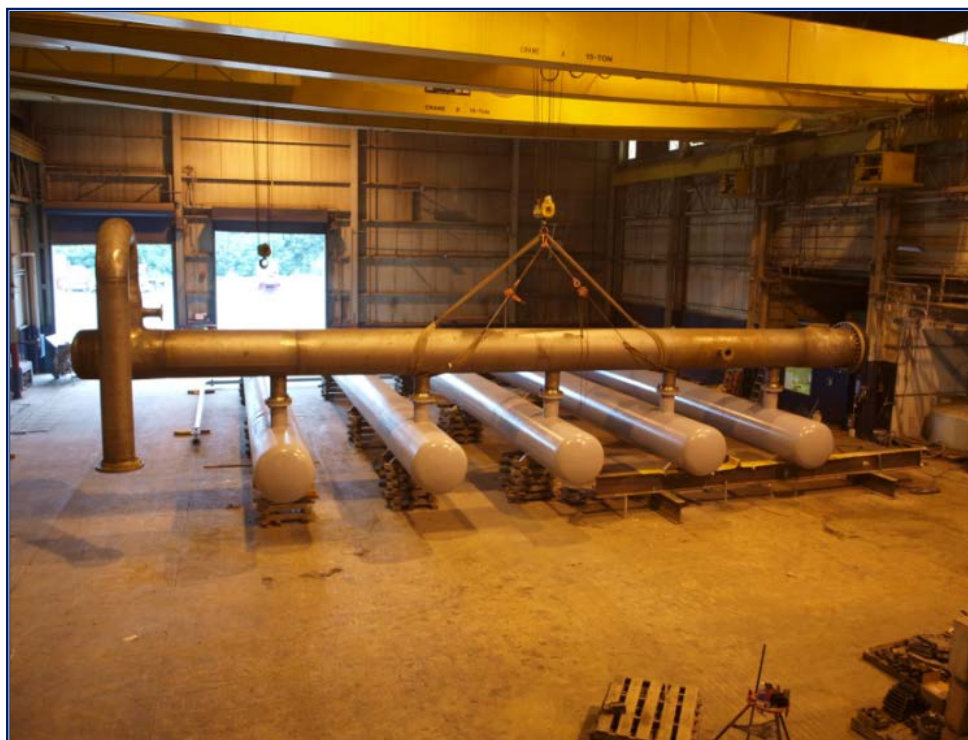
NuWeld, Inc. prides itself with a less than 2% RT Rejection Rate company wide; well below the industry average!



NuWeld, Inc.

Fabrication Capabilities

- Machine Shop
- Hydro- Testing
- Water Jet
- Pneumatic Testing
- Sandblasting
- Coatings & Painting
- Structural Fabrications
 - Vessel Platforms
 - Compressor Platforms
 - Containment Walkovers
 - Pipe Stands
- Full Equipment Fleet
- 15 acres of Lay Down Area



42" Slug Catchers

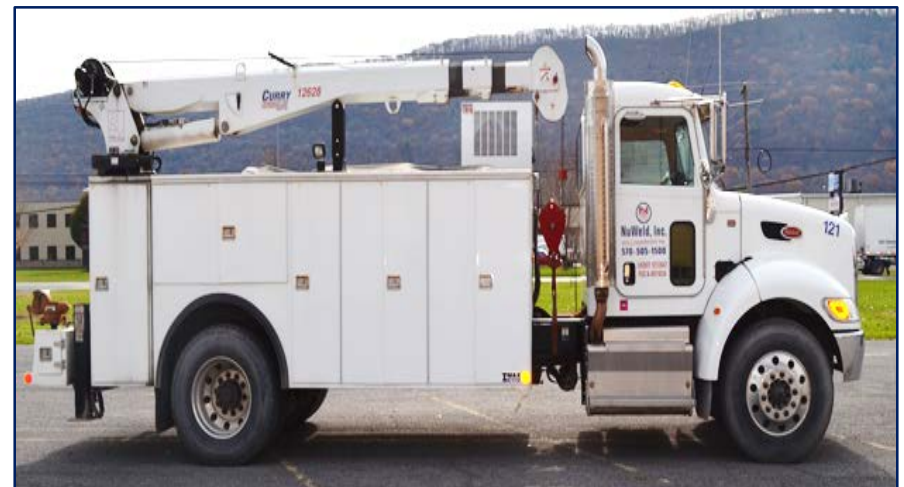
NuWeld is the fabricator that has the capabilities and capacity to successfully complete your project

Field Services



NuWeld, Inc.

- Shop Built Sub-Assemblies & Skids
- Excavations & Foundations
- Install of Containment Systems
- Fabricate/Install Launchers & Receivers
- Install Header Skids w/Foundation & Pad
- Instrumentation Systems
- On-site Hydro Testing
- Fabricate/Install Flowlines, Headers & Distribution Systems
- Well Head Hook-up
- Roustabout Services
- Pipeline Pigging
- Screw Pipe
- Valve Change outs
- Well Head Grating & Protection Cages
- Certified Welders (Structural /Pipe)



Pipeline Services



NuWeld, Inc.

- Pipeline Services
 - Polyethylene Fusion Machining/Piping
 - Right of way clearing (ROW)
 - Hydrostatic Testing
 - Certified Pipeline Welding Inspection (CPWI)
- Valve Maintenance and Repair



North Dakota Pipeline

**NuWeld has the capability to provide the level of support you need.
Fabrication and/or field installation**

Meter Skid Services



NuWeld, Inc.

■ **Cleaning**

- On-Site Meter Tube Cleaning
- Orifice Plate, Straightening Vanes & Flow Conditioners

■ **Inspections**

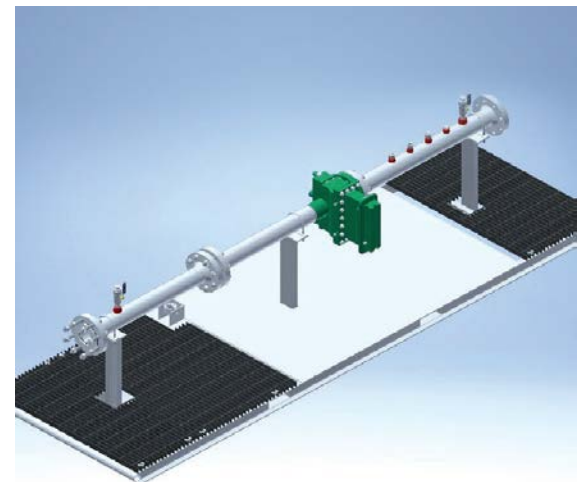
- On-Site Meter Tube Inspections
- Visual & Bore Scope (non-invasive inspection)
- Orifice Plate & Seal Ring Locations
- Assess Conditioners of Straightening Vanes & Flow Conditioners
- “Mic” Meter Tubes to confirm ovality and wall thickness
- Internal surface roughness measuring

■ **Repairs & Maintenance**

- Refurbish or recertification of existing meter tube
- On-site meter tube fitting repairs

■ **Documentation**

- Complete Q/A Documentation package
- Digital pictures as requested
- Meter inspection and recertification



Project Management



NuWeld, Inc.

- Full Compliment of In-House & On-Site Project Management and Project Engineers
- Fully Staffed Purchasing/ Procurement Team with Approved Vendor List
- Inventory Control
- Full Fleet of Earth Moving Equipment and Trucking Capabilities
- On-Site Safety Personnel
- In-House Inspection Services
- Extensive Data Packages/Documentation



Procurement

Streamlined Process and Cost Savings



NuWeld, Inc.

- Streamlined process to identify, realize and sustain optimal cost saving
 - Includes requisitioning, purchase-order management, invoice verification and payment management
 - Experienced, well-organized purchasing team
- Integrates all business partners including:
 - Designers
 - Suppliers
 - Manufacturers
 - Customers

[Company Name]
(Year Company Started)
PURCHASE ORDER

[Street Address]
 [City, ST ZIP Code]
 Phone: [(212)444-0132] Fax [(212)444-0144]

The following number must appear on all related correspondence, shipping papers, and invoices:
P.O. NUMBER: [001]

TO:
 [Name]
 [Company]
 [Street Address]
 [City, ST ZIP Code]
 [Phone]

SHIP TO:
 [Name]
 [Company]
 [Street Address]
 [City, ST ZIP Code]
 [Phone]

P.O. DATE	ACQUISITIONER	SHIPPED VIA	F.O.B. POINT	TERMS

QTY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL

SUBTOTAL
 SALES TAX
 SHIPPING & HANDLING
 OTHER
 TOTAL

1. Please send two copies of your invoice.
 2. Enter this order in accordance with the price, terms, delivery method, and specifications listed above.
 3. Please notify us immediately if you are unable to ship as specified.
 4. Send all correspondence to:
 [Name]
 [Street Address]
 [City, ST ZIP Code] Fax [(212)444-0144]

Authorized by _____ Date _____

Inventory Management

Shipping and Receiving



NuWeld, Inc.

- Record and track the quantity and value of materials
 - Perform physical inventories

- Plan and document internal inventory movements
 - Managing accurate receipts, “kitting” and daily physical stock transfers
 - Allocates inventory to specific job and cost category

- Create optimized transportation plans
 - Monitor shipments to deliver products on time and on budget



“Kitting”



NuWeld, Inc.

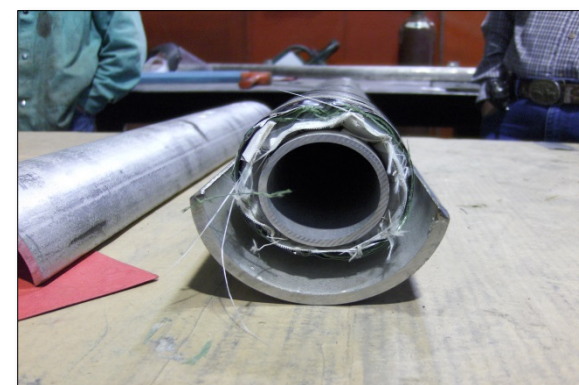
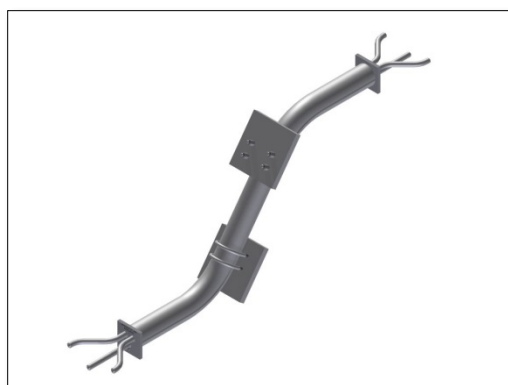
Past Projects & Capabilities



NuWeld, Inc.

Stainless Steel Pipe Joggles

- Stainless steel & titanium bent/welded pipe joggles consisting of unsleeved, sleeved and sleeved w/insulation configurations.
- NQA-1, 2000 & Price Anderson Act of 1988 including 10 CFR Part 830, subpart A

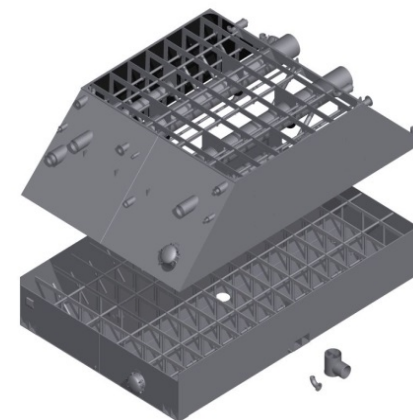
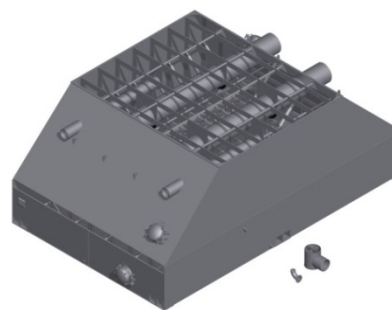




NuWeld, Inc.

Surface Steam Condenser

- Completed all Design, Fabrication and Inspection
- Built as modular units for transporting and handling
- Shipped to Mexico, Peru & Russia

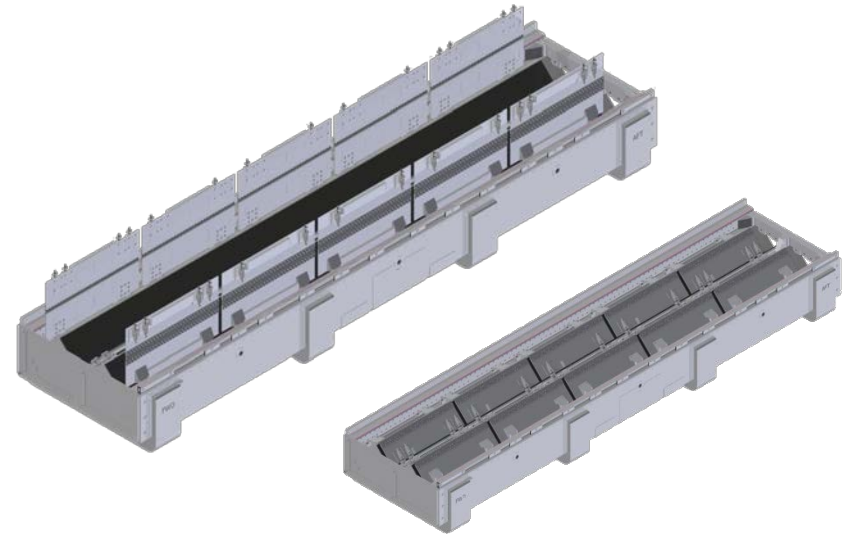


Map 12 Containers



NuWeld, Inc.

- Over 70 units of MAP 12 Fresh Fuel Shipping Containers
- Over the road containers used for transporting Nuclear Fresh Fuel Rods
- Each unit contained over 300 stainless and duplex steel parts – machined, formed and waterjet parts welded into approximately 12' long containers with fuel location beds requiring flatness of 0.06"
- Dimensions were CTQ and documented on supplemental forms in traveler packages
- Quality program was NQA-1, 1989, 10CFR 71 Subpart H and 10CFR21



Static Water Tanks



NuWeld, Inc.

- Custom Fabricated
- Brine Water Storage Tanks



Nuclear Fuel Transfer Mating Devices



NuWeld, Inc.

- Constructed over 10 “Mating Devices” used in fuel to cask transfer activities for various nuclear plants. 10CFR50 App. B and NQA-1
- Vogtle
- D.C. Cook
- ASCO Spain
- Comanche Peak
- Braidwood
- Waterford
- Perry

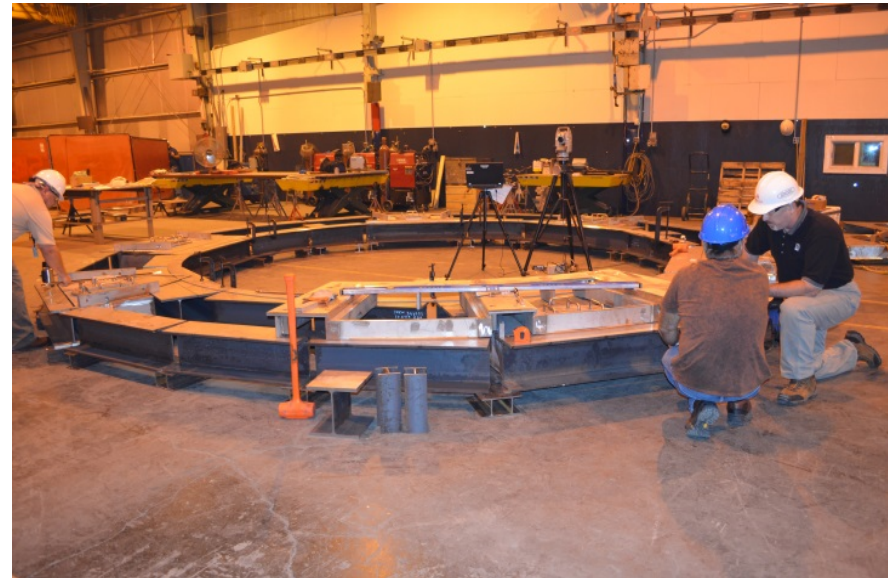
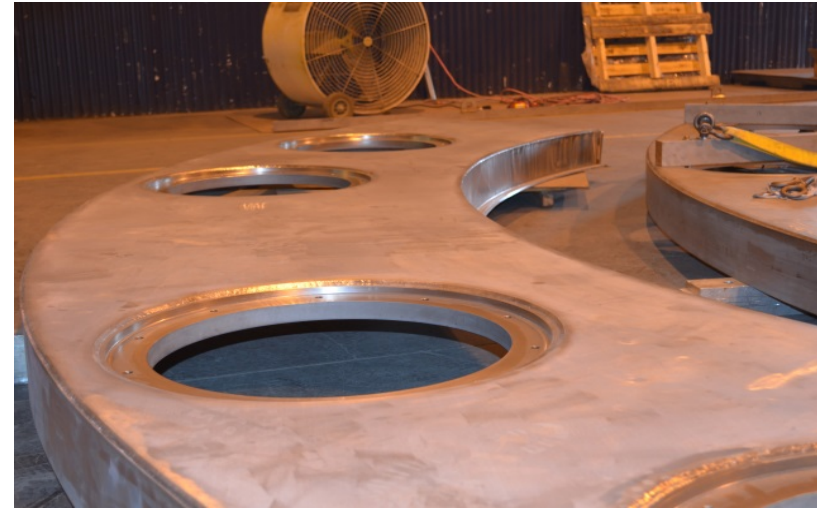


Canal Seal Plate



NuWeld, Inc.

- Quality Program was in compliance with NQA-1, 10CFR50 Appendix B and 10CFR21 for Safety Related items. 23' Diameter- SA304 Stainless Steel, Verified Critical Characteristics attributes for Commercial Grade Dedication, Photogrammetry Inspection Requirements, Traceability and Marking requirements. 100% Receipt Inspection



Pipe Spool Fabrication



NuWeld, Inc.

- NuWeld developed pipe spool fabrication drawings and furnished all labor and materials to fabricate 477+ pipe spools ranging in size from 4" diameter to 36" diameter. Pipe spools were fabricated from standard wall pipe lengths from 48 inches to 48 feet long
- Supplied more than 1000 flanges, in addition to the tees, elbows, reducers, and weldlets associated with the spool fabrication.
- Nu Weld fabricated over 6,600 linear feet of piping for this specific job

1,597' of 36" pipe

703' of 24" pipe

929' of 20" pipe

35' of 18" pipe

2,386' of 16" pipe

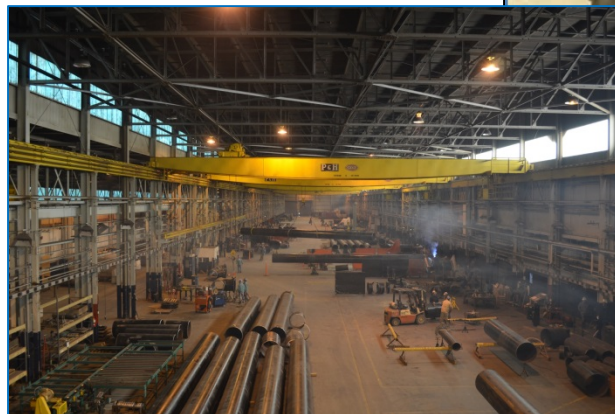
37' of 14" pipe

620' of 8" pipe

25' of 6" pipe

226' of 4" pipe

118' of 3" pipe

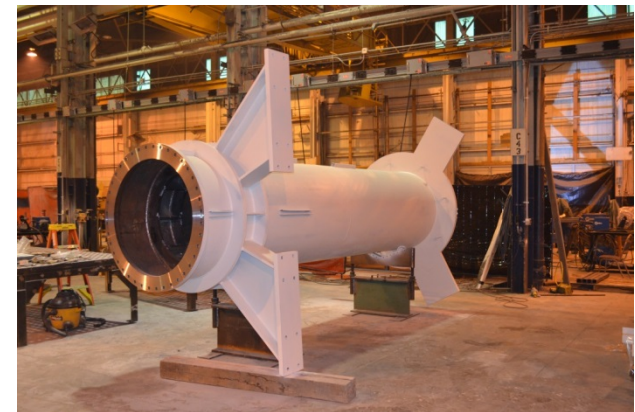
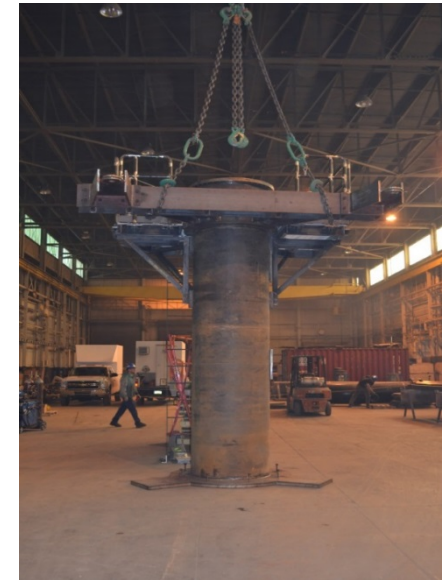
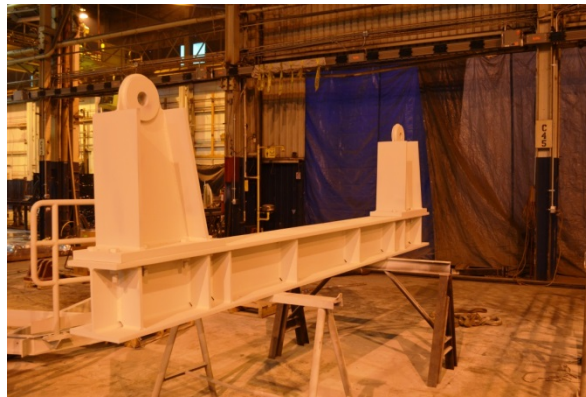


Permanent Auxiliary Crane



NuWeld, Inc.

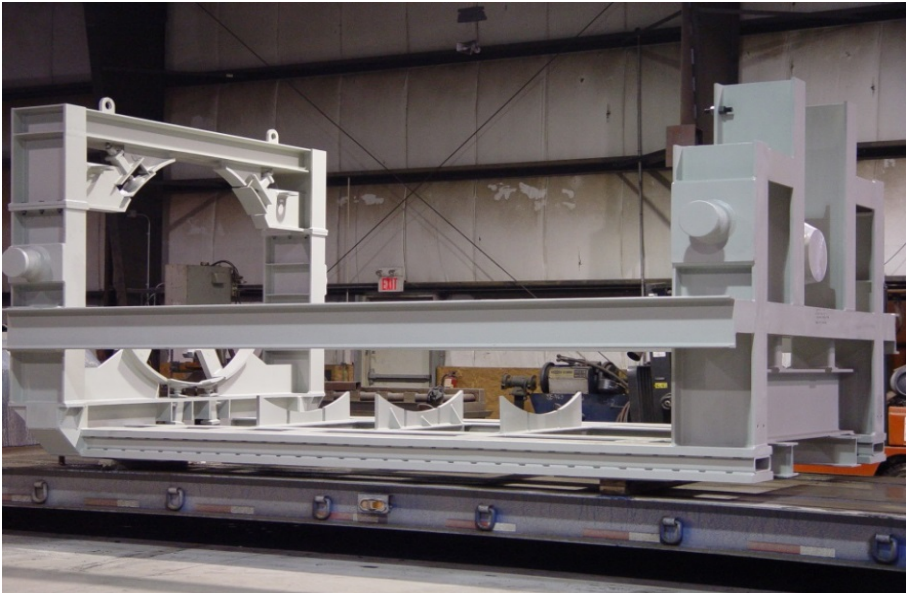
- 29 CFR Health & Safety Regulations of Construction Part 1926.
- Non-Safety Related Structural Steel- Rolled Shapes, Plates, Pipes and Tubing
- Completed all fabrication, painting, and coatings



Reactor Coolant Pump Skid



NuWeld, Inc.



Platforms, Ladders & Stair Assemblies



NuWeld, Inc.

- High Reach Valve Access Stairs
- Crossover Stairs
- Ladders and Platforms with Safety Gates
- Large Crossovers
- Stair Assemblies- Galvanized Treads and Landings



Wastewater digester domes



NuWeld, Inc.

- 98ft X 98ft Diameter Wastewater Tanks
- On-Site Fabrication of Dome Lids
- Performed on-site Air Testing



Well Head Covers



NuWeld, Inc.

- NuWeld Design, Fabrication and Install.
- Custom made for In-Field Drilling
 - Operate live well and drill new at same time.



Specialized Custom Pipe Fittings



NuWeld, Inc.

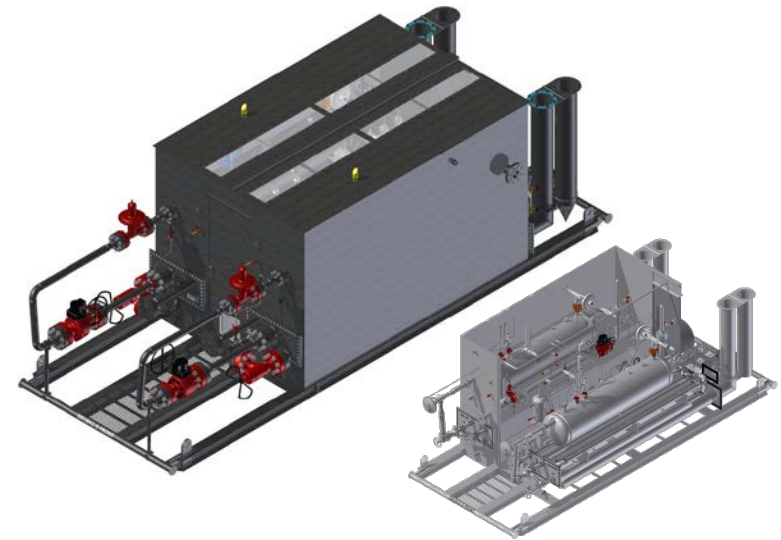


Gas Production Units



NuWeld, Inc.

- Design, Fabrication, Inspection, and Testing of a GPU Pressure Vessel, Line Heater and Coils, and On Skid Piping.
- All process piping welds follow B31.3 specification and CES Radiographic Testing Requirements



Stainless Steel Bridge Project



NuWeld, Inc.



Process Pipe Supports



NuWeld, Inc.



Sand Traps 2014



NuWeld, Inc.

Standard Design:

3000psig, 16" Dia. x 8' Long
5000psig, 24" Dia. x 10' Long

Standard Features:

“Impingement Plate” type internals
ASME ‘U’ Stamped
Vertical Skid Mounted

Options:

Size, Location, quantity & type of external connections
“Turbo” internals
Bypass piping to customer specifications



CUSTOM DESIGNS TO SPECIFIC CUSTOMER REQUIREMENTS AVAILABLE



Compressor Station



NuWeld, Inc.

- Provided all labor, materials, equipment and manpower
- Provided all fabrication and installation
- Pressure tested all lines with nitrogen set up completed by NuWeld; Nitrogen testing subcontracted).
- Managed electrical and concrete sub-contractors
- Nuweld provided all necessary excavation equipment and operators





Dehydration Facility



NuWeld, Inc.

- Provided all labor, materials, equipment and manpower
- Provided all Mechanical scope of work.
- Managed sub-contractors for concrete and electrical
- Provided all necessary excavation equipment and operators.





NuWeld, Inc.

Meter Stations

- Turnkey Project- design, land clearing, fabrication & install
- Supplied all equipment and manpower
- Schedule and managed subcontractors for concrete, electric and perimeter fencing installation.
- Completed documentation package including welder certifications, calibrations for all testing and torquing equipment, hydro test reports, 100% x-ray reports and site as builds.



Summary



NuWeld, Inc.

- Safety and quality are givens – no compromise on either
- Company that understands the importance of being responsive and focusing on you our customer
- Highly capable management team in place with craft resources available to expedite your project
- Fabrication facility with capability and capacity to handle any over the road project
- Field group with in-house capability to perform structural, mechanical and civil scope and a management team that can provide turnkey construction services
- Fully staffed QA/QC and engineering departments with QA programs to perform most projects
- Capability to provide a turnkey project once initial design has been provided
- Proven track record of performing projects on time and within budget – most of our business is repeat business



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