

CAPABILITY OVERVIEW

FACILITY

Corporate Office Alexandria, VA

- NuSource Management Team
- Project Managers/Coordinators
- Accounting and Legal
- Lead Auditors/Inspectors

Engineering Alexandria, VA (MPR Associates)

- 150 Professional Engineers
- ASME Code Experts
- I&C Experts
- Test & Analysis Efforts

Electronics and I&C Santa Maria, CA (Gavial Engineering & Manufacturing)

- NQA-1 & 10 CFR 50 Appendix B
- 22,000 Sq. ft. manufacturing space
- Analog & Digital
- PCB (thru-hole and surface mount)
- Hand & Wave Soldering
- IPC-A-610 Soldering Inspection
- Testing & Burn-In

ASME Fabrication Altamont, NY (Met Weld International)

- ASME Section III, Section VIII, NQA-1 and 10 CFR 50 Appendix B
- 55,000 Sq. ft. and 40 Ton Capacity
- Over 55 Welder/Fabricators
- (GMAW), (GTAW), (SMAW), (FCAW) & (SAW) Welding
- Blasting and Painting

FOCUS AREAS

CUSTOM SOLUTIONS

Electrical

Engineering Expertise

- Electrical & Mechanical
- FEA
- ASME Code Section III Components
- Design Bases
- Licensing Bases
- Regulatory Bases
- Seismic & Environmental
- Qualification
- Verification and Validation

Mechanical

Manufacturing Capabilities

- Chassis & Control Cabinets
- ASME III and VIII Pressure Vessels, Piping, and Heat Exchangers
- Pumps & Valves
- Structural Supports
- Skidded Systems
- CNC Machining
- Safety Related Electronics
- I&C and Circuit Cards

OBSOLETE HARDWARE

Replacement solutions for OEM equipment and components no longer supported by a 10CFR50, Appendix B supplier, addressing original/revised design bases, and design changes.

Areas of Expertise

- Emergency Diesel Generators,
- Heat Exchangers
- Motor & Air Operated Valves,
- Turbines and rotating equipment,
- BWR and PWR Reactor Internals,
- UT Level Sensing
- Radwaste / Seal Injection Filters

CAPABILITY OVERVIEW

Accumulators

Air Filtration Units

ASME Certificate Holder

Assemblies: Printed Circuit

Containers: Steel

Dampeners: Pulsation

Diesel Generators: Parts

Electrical Panels: Control

Filter Cartridge

Filter Elements

Filter Housings

Filters

- Air
- ASME Code
- Condensate
- Condensate Polishing
- Radwaste
- Tubular Element

Flowmeters

Heat Exchangers

Heat Exchangers: Shell

Heaters: Electric

Heating Equipment:

Electric Resistance

Housings: Filter

Instrumentation

Instrumentation Cabinets

Instrumentation &

Control Systems

- Class 1E
- Repair
- Part Replacement

Machining: Safety-Related

Material: ASME Code

Metal Fabrication

Metal Fabrication

- Nickel & Nickel Alloy
- Stainless Steel

N Stamp Holder

NQA-1 Qualified

Nuclear Instrumentation

and Controls

Obsolescence

- Design Change
- Reverse Engineering
- Special Mfg.Runs
- Substitution

Panels

- Custom, Safety-Related
- Instrument
- Safety-Related

Parts

- O.E.M.
- Replacement
- Replacement, Design
- Spare

Pipe Assemblies

Pipe Benders

Pipe Bending

Pipe Bends

Pipe Fabrication

- Class 1
- Class 2
- Class 3

Piping Replacement

Power Supplies: Safety-Related

Pressure Vessels

Pressurizer Heaters

Primary-Side Piping

Pump Parts

Pump parts: Reverse Engineering

Pumps: Reverse Engineering

Pumps: Safety-Related

Reactor Vessel Components

Relays: Safety-Related

Steam Dryers

Steel Components

Strainers: Suppression Pool ECCS

Tank Heating Products

Tanks: Chemical

Tanks: Ion Exchange

Tanks: Pressure

Tanks: Stainless Steel

Tanks: Storage

Testing: Safety-Related

Components

Thermocouples: Safety-Related

Valves

- Bellows
- Check
- Manifold
- Needle

Water Filtration Equipment

Water Filtration Units

Welding: ASME Code



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