

43rd Annual Nuclear News Buyers Guide 2012 Index to Categories

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This Index to Categories is a standardized listing of the products and services to be used in the upcoming 2012 *Nuclear News Buyers Guide*. The Index will assist you in either (a) filling out a New Listing form or (b) adding categories to your existing listing. Products and services are listed alphabetically and are numerically coded.

New Listings and Verification Forms (for existing listings*) must be created/updated online. To add categories to your listing, simply click on the

"Browse Categories" link within the listing page online and check the box next to the appropriate code numbers and product category descriptions and they will be added to your company profile. New categories - those added since the 2011 Index to Categories - are indicated with a dagger (†).

*Companies with existing listings will need a unique link in order to access their online listing. Look for an e-mail from <nnbg2012@ans.org> with your link, or contact the advertising department today.

There is NO CHARGE for a company listing!

The Deadline to submit a Listing is March 2!

A
Abrasives—also see *Cleaning Equipment*
00300100 Bonded
00300200 Coated
00300250 Lapping & Polishing Grits
00300300 Non-Woven Fiber
00400 **Absorbers, Nuclear Radiation**—also see *Neutron Absorbers; Sorbents*
Accelerators & Accessories—also see *Nondestructive Testing*
01300100 Accessories
01300200 Electromagnetic
01300300 Electrostatic
01300400 Other
01300500 Targets
Accelerometers—see *Indicators(Vibration); Seismic Instrumentation*
Access Control Systems, Personnel—see *Security Systems*
Acoustic Emission—see *Nondestructive Testing*
Acoustic Sensors—see *Sensors*
Activation Analysis—see *Neutron Activation Analysis Services*
Actuators—see *Valve Operators*
Adhesives
02870100 Heat-Resistant
02870150 Insulation-Related
02870200 Radiation-Resistant
02870300 Structural
Adsorbers, Gas—see *Gas Handling Equipment; Filters (Carbon; HEPA)*
02910 **Aerosol Neutralizers**
Aggregate, High-Density Concrete—see *Shielding Materials*
Air Analyzers—see *Analyzers*
Air Bubble Detectors—see *Detectors*
Air-Conditioning & Ventilation Equip.—also see *Dampers; Filter Housings; Filters; Training*
03000100 Air-Conditioning
03000150 Air Distribution Nozzles
03000200 Air Dryers
03000300 Air Filtration Units
03000320 Air Handling
03000350 Chillers
03000380 Condensing Units
03000420 Dehumidifiers
03000480 Ductwork
03000540 Evaporative Coolers
03000580 Fans & Blowers
03000600 Louvers
03000640 Ventilation
03000700 Ventilation, Portable
03000710 Ventilation, Test Equipment
Air Filters—see *Filters*
Air-Flow Control Dampers—see *Dampers*
Air Particulate Samplers—see *Samplers*
Air Pressure Regulators—see *Regulators*

Air Purification Systems—see *Respiratory Protection Equipment*
Air Sampling Pumps—see *Pumps, Other*
Airlocks—see *Doors*
03180 **Alarm Status Reporting & Control Systems**
Alarm Systems—also see *Emergency Warning Systems; Security Systems*
03200050 Anti-Intrusion
03200100 Audible Signal
03200130 Criticality
03200150 Fire
03200170 Flow Rate
03200200 Level
03200250 Limit
03200300 Pressure
03200350 Radiation
03200400 Reactivity Transient
03200430 Recorded Voice, Digital (Multiple Messages)
03200450 Visual Signal
03300 **Alignment Systems, Rotating Machinery**
Alloys—see *Metals, Other; Testing Services*
Aluminum—see *Metals, Other*
Ammeters, RMS, Tong Test Type Amplifiers
03500
03550050 CAMAC
03550080 Digital Spectroscopy
03550100 Direct Current
03550200 Power
03550250 Pressure
03550300 Pulse
03550400 Video
03550500 Wide-Band
Analysis
03800030 Chemical
03800040 Design Basis
03800050 Electrical Distribution Systems
03800060 Electrical Transients
03800070 Electronic Construction
03800080 Elemental, Isotopic
03800120 Environmental
03800160 Equipment Qualification
03800200 Failure, Electrical/Electronic
03800240 Failure, Metallurgical
03800300 Finite Element
03800320 Fracture Mechanics
03800360 Fuel Cycle & Fuel Performance
03800400 Geotechnical
03800420 Helium
03800440 Hydrological
03800460 Loose Parts
03800470 Lubrication
03800480 Materials
03800500 Noise
03800520 Piping
03800560 Plant Performance
03800600 Reliability
03800630 Resin, Ion Exchange
03800640 Risk
03800660 Root Cause
03800680 Safety, Nuclear
03800720 Safety, Plant

03800760 Safety, Reactor
03800800 Seismic
03800830 Shielding
03800850 Site Characterization
03800860 Siting
03800890 Stress
03800900 Structural
03800910 Sump/Strainer Blockage (Reg. Guide 1.82)
03800920 Thermal
03800930 Vessel & Components Neutron Fluence
03800950 Vibration
03800960 Waste
03800970 Water
03800980 Water Hammer
Analysts
04000100 Air
04000150 Coincidence & Anti-Coincidence
04000160 Density
04000170 Dissolved Hydrogen
04000180 Dissolved Oxygen
04000200 Effluent
04000300 Gas
04000400 Gas, Containment
04000420 Hydrazine
04000450 Multi-Parameter
04000500 Off-Gas Hydrogen
04000600 Oxygen
04000610 Portable Multichannel
04000620 Post-Accident Sampling (O₂ & H₂)
04000650 Pulse-Height, Multi-Channel
04000660 Pulse-Height, Single-Channel
04000700 Sludge
04000750 Sodium
04000800 Steam
04000850 Time-of-Flight
04000860 Total Organic Carbon
04000870 Viscosity
04000880 Waste-Gas, Oxygen & Hydrogen
04000900 Water
Anchors—see *Construction Materials*
Anemometers—see *Meteorological Equipment*
Annunciators—see *Alarm Systems; Display Systems*
Anticoincidence Analyzers—see *Analyzers*
Apron—see *Clothing, Protective*
Architect-Engineers—see *Construction/Engineering Services*
Asbestos Abatement/Removal Services
Asbestos-Free Cement—see *Construction Materials*
06790 **Assay Equipment, Fuel Assay Services, Uranium Ore Audits**
06820
06840
06860050 Chemical Control Programs
06860100 Fire Protection
06860200 Fitness-for-Duty
06860250 Quality Assurance
06860300 Radiation Protection
06860400 Respiratory Protection
06860500 Security QA
06870 **Autoclaves**

- Auxiliary Generators**—see *Generators, Stand-by*
-
- B**
- Badge Services**—see *Health Physics Services*
- Bag Monitors**—see *Monitors, Radiation, Area & Special-Purpose*
- Bags**—see *Health Physics Equipment & Supplies*
- 06950 **Bar-Coding Devices & Supplies**
- Barometers**—see *Meteorol. Equip.*
- Barrel Monitors**—see *Monitors, Radiation, Area & Special-Purpose*
- Barriers**—see *Security Structures*
- 07040 **Batteries, Standby**
- 07060 **Battery Capacity Test Equipment**
- 07070 **Battery Chargers**
- 07080 **Battery Monitoring Systems**
- 07100 **Bearings**
- 07120 **Bearings, Self-Lubricating**
- Behavioral Observation**—see *Consultants; Security Serv.; Testing, Psych.; Training*
- 07200 **Bellows, Metal**
- Beta-Shielding Labwear, Sheeting**—see *Clothing, Protective, Anti-C; Shielding Materials*
- Bibs**—see *Clothing, Protective*
- Binoculars**—see *Remote-Viewing Instruments*
- Biomedical Radiation-Counting**—see *Health Physics Equipment*
- Bladders, Storage Tank**—see *Diaphragms, Storage Tank*
- Blankets, Lead Wool**—see *Metals, Lead; Shielding Materials*
- Blowers**—see *Air Conditioning & Ventilation Equipment*
- 07310 **Boilers**
- Bolt-Tensioning**—see *Maintenance Services*
- 07330 **Bolts, Foundation**—also see *Fasteners*
- 07340 **Bolts, Turbine-Coupling**—also see *Fasteners*
- Booths, Security**—see *Security Structures*
- 07370 **Bootings for Tongs**
- Boots**—see *Clothing, Protective*
- Borescopes**—see *Remote-Viewing Instruments*
- Boron**—see *Metals, Steel; Neutron Absorbers; Shielding Materials*
- Boron Concentration Meters**—see *Meters; Reactor Instrumentation*
- Brackets, Supports**—also see *Pipe Hangers & Supports; Trays*
- 07800100 Cable Tray Supports
- 07800200 Instrument
- 07800300 Manifold
- 07800400 Valve
- Breather Filters, Drum**—see *Containers*
- Breathing Air Quality Analysis**—see *Health Physics Services*
- Bricks, Shielding**—see *Metals, Lead; Shielding Materials*
- 08000 **Bubble Chambers**
- Bubble Suits**—see *Clothing, Protective, Anti-Contamination*
- 08100 † **Buildings, Portable or Temporary**
- Bullet-Resistant Doors, Wall Panels, Windows**—see *Doors; Security Structures*
- Burnable Poisons**—see *Neutron Absorbers*
- Bus Bar Insulating Service**—see *Maintenance & Repair Services*
- 08800400 Instrumentation
- 08800450 Mineral-Insulated, Metal-Jacketed
- 08800500 Power
- 08800550 Prefabricated Assemblies
- 08800600 Radiation-Resistant
- 08800620 Repair, In-Site
- 08800650 Umbilical Cord, Nuclear Grade (Robotic)
- 08800700 Underwater
- 09100 **Cable, Fiber Optic**—also see *Connectors*
- Cable Condition Monitor**—see *Monitors, Other Than Radiation*
- Cable Management**—see *Computer Software*
- 09400 **Cable Ties**
- Cable Tray Insulation**—see *Insulation, Thermal*
- Cable Tray Supports**—see *Brackets, Supports*
- Cable Trays**—see *Trays*
- Cadmium**—see *Neutron Absorbers*
- Calandrias, Reactor**
- Calciners**—also see *Radioactive Waste Handling & Treatment Equipment*
- Calibration Equipment & Systems**
- 09750050 Dose, Nuclear Medicine
- 09750100 Electrical Test Equipment
- 09750150 Electronic Test Equipment
- 09750200 Instrumentation and Control
- 09750220 Laminar Flow
- 09750250 Pressure
- 09750300 Radiation Measuring
- Calibration Gases, Radioactive**—see *Radioisotopes*
- Calibration Services**—also see *Health Physics Services*
- 09800100 Electrical Test Equipment
- 09800150 Electronic Test Equipment
- 09800170 Flow
- 09800200 Instrumentation & Control
- 09800250 Pressure, Temperature, Humidity
- 09800300 Radiation Measuring
- 09800400 Tools, Physical/Dimensional/Mechanical
- Calibration Standards**—see *Radioisotopes*
- 09870 **Calorimeters**
- 09900 **Carbon, Activated**—also see *Filter Services; Filters*
- Carbon, Total Organic, Analyzers**—see *Analyzers*
- Cars, Railroad**
- Cask-Handling
- Liners
- 09900900
- 09900910
- 09900930
- 09900950
- 09900970
- Casings, Primary Coolant Pump**
- Casks**—see *Containers*
- Castings**—see *Metal Components & Structures*
- Catwalks**—see *Gratings*
- Cement**—see *Construction Materials*
- Ceramic Products**
- Chambers, Fission**—see *Fission Chambers*
- Chambers, Ion**—see *Counters; Detector Heads; Monitors, Radiation, Personnel*
- 11400020
- 11400050
- Changers, Sample**—see *Sample Changers*
- Channels, Fuel**—see *Fuel Channels*
- Charcoal, Activated**—see *Carbon; Filter Services; Filters*
- 11400100
- 11400200
- 11400300
- 11400500
- 11400600
- Chargers, Dosimeter**—see *Health Physics Equipment*
- Chart Recorders, Strip**—see *Data Readout Devices*
- Chemical Analysis**—see *Analysis*
- Chemical Process Design**—see *Consultants*
- 11600 **Chemicals, Decontamination**—see *Decontamination*
- Chillers**—see *Air Conditioning & Ventilation*
- Chlorine Monitoring Systems**—see *Monitors, Other Than Radiation*
- Circuit Breakers**—see *Electrical Distribution & Control Equipment*
- Circulators, Gas**—see *Gas Handling Equipment*
- Cladding**—see *Fuel Element Cladding; Metal Cladding Services*
- 11650100
- 11650200
- Clamps**—see *Tubing Clamps*
- 11650300
- Cleaning (Clothing)**—see *Health Physics Equipment; Health Physics Services*
- 11650320
- 11650350
- Cleaning Equipment**—also see *Decon. Chem. & Equip.; Health Phys. Equip.; Reactor Serv. Tools*
- 10780060 Abrasive
- 10780070 Cavity Pool
- 10780100 Chemical Services
- 10780240 Parts Washers
- 10780290 Pipe Cleaning
- 10780360 Pressure Washing
- 10780430 Robotic
- 10780500 Steam
- 10780570 Tube Cleaning
- 10780640 Ultrasonic
- 10780710 Underwater
- 10780780 Vacuum
- 10780850 Vacuum Blasting, Abrasive
- 10780920 Water Jetting, High-Pressure
- 10780930 Water Jetting, High-Pressure, Abrasive
- Cleaning Services**—see *Decontamination; Maintenance Services*
- Clothing, Protective, Anti-Contamination**—also see *Respiratory Protection Equipment*
- 10850050 Bubble Suits
- 10850100 Coveralls
- 10850150 Coveralls, Lightweight, Breathable
- 10850200 Disposable
- 10850300 Gloves
- 10850400 Head Coverings
- 10850500 Lab Coats
- 10850540 Modesty Garments, Lightweight, Breathable
- 10850550 Scrub Shirts & Pants
- 10850600 Shoe Covers
- Clothing, Protective, Other Than Anti-Contamination**—also see *Respiratory Protection Equip.*
- 10900100 Bibs & Aprons
- 10900200 Coveralls
- 10900250 Coveralls, Lightweight, Breathable
- 10900300 Face Shields
- 10900400 Footwear
- 10900500 Gloves, Grinding
- 10900550 Gloves, Welding
- 10900600 Goggles/Spectacles
- 10900700 Hard Hats
- 10900750 Hat Liners
- 10900800 Hearing Protection Devices
- 10900820 Helmets, Fire
- 10900840 Lab Coats
- 10900870 Modesty Garments, Lightweight, Breathable
- 10900900 Rainwear
- 10900910 RF Shielding
- 10900930 Scrub Suits
- 10900950 Splash Sleeves
- 10900970 Vests, Cool
- Cloths, Wiping**—see *Wipers, Wiping Cloths*
- Cleaning**—see *Decontamination Chemicals, Equip. & Services*
- Coatings**—also see *Consultants; Corrosion Inhibitors; Maintenance Serv.; Testing Serv.*
- Cable
- Concrete
- Sealing/Restoration/Contamination Control
- Corrosion-Resistant
- Floor Toppings
- Insulation-Related
- Low-Chloride
- Strippable
- Coatings Testing**—see *Test Equipment*
- Coincidence Analyzers**—see *Analyzers*
- Collars, Streaming**—see *Shielding Materials*
- Columns, Processing**
- Combiners, Hydrogen**—see *Gas Handling Equipment*
- Commercial Grade Dedication Services**—see *Consultants (Qualification)*
- Communications**—see *Consultants; Information Services*
- Communication Systems**—also see *Emergency Warning Systems; Security Systems*
- 08400 **Cabinets & Panels, Instrument**
- Cable Coatings**—see *Coatings, Cable*
- Cable, Electrical**—also see *Connectors; Wire*
- 08800050 Coaxial
- 08800100 Control
- 08800130 Data Communications
- 08800200 Flame-Resistant
- 08800300 High-Temperature

11650360	Telephone Conferencing (Video)	12800940	Technical Specification Systems	14000090	Cranes & Hoists
11650400	Telephonic (Computerized Call./Ans.)	12800950	Telerobotics	14000100	Criticality Hazard Evaluation
11650500	Two-Way Radio	12800960	Trending	14000110	Decontamination
11680	Compactor Disks, for Drums	12800965	Valve Performance Prediction	14000115	Decommissioning
11700	Compactors —also see <i>Radioactive Waste Treatment Equipment; Solid Waste Reduction Equip.</i>	12800970	Verification & Validation	14000120	Design, Nuclear Facilities
	Compliance Support, Regulatory —see <i>Consultants; Health Phys. Serv.; Maint. & Repair Serv.</i>	12800980	Waste Management	14000125	Earth Science Services
	Components, Metal —see <i>Metal Components & Structures</i>	12800990	Water Chemistry Management	14000130	Economic Analysis, Trade-off Studies
	Compressed Air Pressure Vessels —see <i>Respiratory Protection Equipment; Vessels</i>		Computers & Accessories —also see <i>Data Acq. Sys.; Data Readout; Imaging, Digit.; Multiplexing</i>	14000140	Emergency Planning & Response
	Compressors, Refrigerant —also see <i>Air Conditioning & Ventilation Equipment</i>	12900050	Analog	14000150	Environmental
12100100	Centrifugal	12900060	Artificial Intelligence Systems	14000160	Equipment Condition Monitoring
12100200	Reciprocating	12900070	Color Graphics	14000170	Fire Protection
12100300	Screw-Driven	12900080	Converters	14000200	Fuel Cycle & Fuel Performance
12100400	Scroll	12900100	Digital	14000210	Fuel Transport/Storage
	Computer-Aided Design —see <i>Computer Services</i>	12900110	Disk Drives	14000240	Heat Transfer & Fluid Flow
12720	Computer and Cyber Security	12900120	Expert Systems	14000260	Human Factors Engineering
	Computer Services —also see <i>Imaging, Digital</i>	12900130	Hand-Held	14000290	Hydraulics
12750020	Computer-Aided Design	12900150	Hybrid	14000310	Hydrodynamics
12750030	Computer-Aided Software Engineering	12900500	Input/Output Interface Units	14000320	Independent Project Reviews
12750050	Computer Procurement Assistance	12900540	Main Frame	14000330	Instrumentation and Electrical
12750100	Data Collection, Acquisition	12900550	Mass Storage Units	14000335	Inventory Management
12750200	Installation/Changeout	12900610	Micro	14000340	ISO Compliance
12750250	Network Services	12900650	Microprocessor Circuit Boards	14000345	License Renewal
12750300	Procedures Preparation	12900660	Mini	14000350	Licensing
12750400	Project Management	12900750	Printers	14000360	Lightning Protection
12750440	Quality Assurance	12900800	Tape Drives	14000370	Maintenance
12750445	Software Safety	12900850	Video Display Units	14000380	Management Audit
12750500	Specifications Development		Concentrators —see <i>Radioactive Waste Handling & Treatment Equipment</i>	14000400	Management Information & Control Systems
	Computer Software —also see <i>Imaging, Digital; Records Management Sys.; Steam Gen. Maint.</i>	13050050	Contractors	14000480	Meteorology
12800010	Artificial Intelligence	13050100	Equipment	14000490	Noise Abatement
12800040	Cable Management	13050150	Equipment Rental	14000500	Operations Analysis & Procedures Preparation
12800060	Component Wear Detection		Concrete Leak Repair —see <i>Maintenance Services</i>	14000510	Organization Development
12800080	Configuration Management/Control		Concrete Reinforcement, Bar & Mesh —see <i>Construction Materials</i>	14000520	Outage Management
12800090	Construction Management		Concrete Anchors —see <i>Construction Materials</i>	14000525	Performance Measurement
12800100	Contract Administration	13180	Contractors	14000530	Personnel Stress/Health
12800120	Core/Thermalhydraulics	13200	Equipment	14000550	Piping
12800130	Corrective Action Tracking	13220	Equipment Rental	14000560	Plant Life Extension
12800140	Critical Path Scheduling		Concrete Leak Repair —see <i>Maintenance Services</i>	14000570	Plant Performance
12800160	Custom Development		Concrete Reinforcement, Bar & Mesh —see <i>Construction Materials</i>	14000580	Preventive Maintenance
12800180	Data Base Management		Condensate Polishing —see <i>Water Treatment Equipment</i>	14000590	Procurement Support
12800220	Decontamination Management		Condensers, Air-Cooled	14000600	Project Planning & Management
12800260	Dosimetry		Condensers, Power Plant	14000605	Proposal Management
12800300	Drawing & Document Control		Condensing Pots, Steam	14000610	Prudence Studies
12800330	Economic Analysis		Condensing Units —see <i>Air Conditioning & Ventilation</i>	14000620	Qualification, Commercial Grade (Dedication)
12800340	Education/Training	13400020	Conductivity Meters —see <i>Meters</i>	14000630	Quality Assurance/Quality Control
12800360	Electrical Analysis	13400100	Configuration Management —see <i>Computer Software; Consultants; Records Management Systems</i>	14000640	Radiation Management
12800380	Emergency Planning	13400200	Connectors —also see <i>Feedthroughs</i>	14000650	Radiological Engineering
12800420	Emergency Response (In-Plant)	13400250	Data Communications	14000720	Records Management Systems
12800460	Engineering Analysis	13400300	Electrical	14000725	Reengineering, Organization
12800500	Environmental Monitoring	13400400	Electrical, Glovebox	14000730	Regulatory Compliance
12800510	Equipment Status/Tagout Tracking	13600	Electrical, Quick Disconnect	14000740	Reliability
12800520	Expert Systems		Fiber Optic	14000760	Research Services, Nuclear
12800530	Fault-Tolerant Automatic Control	13700040	Thermocouple	14000770	Risk Analysis
12800550	Failure/Root Cause Trending	13700060	Consoles, Control	14000780	Safety, Nuclear
12800560	Fire/Safety	13700080	Construction Materials	14000790	Safety, Plant
12800570	Fuel Accounting	13700120	Anchors, Chemical (Epoxy)	14000810	Safety, Reactor
12800580	Fuel Performance/Management	13700150	Anchors, Concrete	14000830	Security
12800590	Heat Exchanger Modeling	13700200	Asbestos-Free Fiber Cement	14000840	Seismic
12800600	In-Service Inspection	13700250	Concrete	14000860	Shielding
12800610	Instrument Calibration	13700280	Concrete Reinforcement, Bar (Rebar)	14000870	Simulation Services
12800620	Inventory Control (Equipment, Supplies, etc.)	13700300	Concrete Reinforcement, Mesh	14000880	Siting
		13700350	Lumber, Fire-Retardant-Treated	14000900	Spare Parts Systems
12800660	Maintenance Control		Refractory	14000920	System Engineering-Requirements Analysis
12800700	Management (Station)		Splices, Rebar	14000930	Systems Testing
12800720	Operator Scheduling		Steel, Structural—also see <i>Metals, Steel</i>	14000950	Training Evaluation, Management
12800740	Piping System Design & Analysis	13850100	Construction/Engineering Services —also see <i>Consultants; Maintenance Services</i>	14000960	Trend Analysis & Corrective Action Programs
12800780	Plant Design	13850150	Architect-Engineers	14000970	Waste Management
12800820	Plant Performance	13850200	Civil Engineers	14000990	Water Treatment
12800840	Procedure Status/Tracking	13850300	Construction Services		Contractors —see <i>Electrical Distribution & Control Equipment</i>
12800850	Project Management	13850400	Engineer-Constructors		Containers —also see <i>Radioactive Waste Handling; Shielding Materials; Testing Services</i>
12800860	Quality Assurance/Quality Control		Erection Services	14300030	Bulk
12800870	Radiological Control/Health Physics		Consultants —also see <i>Analysis; Construction/Engineering Services; Training</i>	14300050	Casks, Filter Transfer
12800880	Reliability Analysis	14000010	Air Cleaning, Filtration	14300100	Casks, Post-Accident Sample
12800890	Reportability Evaluation	14000020	Chemical Process Design	14300150	Casks, Radwaste
12800900	Risk Analysis	14000030	Coatings/Corrosion	14300200	Casks, Spent-Fuel Shipping
12800905	Root Cause Analysis	14000040	Communications, Management-Employee	14300210	Casks, Spent-Fuel Storage
12800910	Security	14000050	Component/System Design & Analysis	14300230	Component
12800915	Simulation	14000060	Computer Systems & Software	14300250	Cylinders, UF6
12800920	Software Maintenance/Control	14000070	Configuration Control	14300280	Drum Breather Filters
12800925	Software Packages	14000080	Contract Administration	14300300	Drum Liners/Inserts
12800930	Special Nuclear Material Tracking			14300350	Drums
12800935	Spectroscopy			14300400	Fresh Fuel Shipping/Storage
				14300450	Gamma Source Shipping
				14300480	Gamma Source Storage
				14300485	Groups 1, 2 and 3 Containers (per IAEA)
				14300490	High-Integrity (HIC)

- 14300505 Laundry Shipping/Storage/Issue Containers
- 14300510 Liners/Inserts, LSA Containers
- 14300530 LSA Containers, IAEA
- 14300540 LSA Containers, Strong-Tight
- 14300550 Neutron Source Shipping
- 14300600 Neutron Source Storage
- 14300620 On-Site Storage Containers, High-Level
- 14300630 On-Site Storage Containers, Low-Level
- 14300650 Overpacks
- 14300700 Soft-Sided/Flexible
- 14300750 Soil
- 14300800 Type A Containers
- 14300820 Type B Containers
- Containment Air/Gas Sampling Pumps**—see *Pumps, Other*
- Containment Enclosures, Radiological**—see *Health Phys. Equip.; Rad. Waste Handling Equip.*
- Containment Gas Analyzers**—see *Analyzers*
- Containment Penetrations**—see *Penetrations*
- Containment Structures, Post-Tensioning**—see *Post-Tensioning*
- Containment Structures, Reactor**
- 14810100 Conventional
- 14810200 Filtered Venting
- Contamination Control**—see *Cleaning Equip.; Decontamination; Health Physics*
- Contract Administration**—see *Computer Software; Consultants*
- Contraction Rings**—see *Welding Equip. & Supplies*
- Control Consoles**—see *Consoles*
- Control Devices & Systems**—also see *Computer Software; Elec. Dist. Equip.; Reactor Instr.*
- 14950020 Accelerator Systems
- 14950050 Flow
- 14950100 Liquid Level
- 14950150 Pressure
- 14950200 Programmable Logic
- 14950250 Strain, Stress-Rate
- 14950260 Surge Suppression Device
- 14950300 Temperature
- 14950350 Vacuum
- 15200 **Control Equipment, Power Plant (Non-Reactor)**—also see *Computers & Acces.; Elec. Dist. Equip.*
- 15300 **Control Houses, Enclosed**
- Control Rod Crushers**—see *Solid Waste Reduction Equipment*
- Control Rod Drive Handling Tools**—see *Reactor Service Tools*
- 15600 **Control Rod Drives**—also see *Reactor Instrumentation*
- Control Rod Examination**—see *Inspection Services*
- 16000 **Control Rods, Reactor**—also see *Neutron Absorbers*
- Converters, Digital/Analog**—see *Computers & Accessories*
- 16800 **Converters, Time-to-Pulse-Height**
- Coolers, Evaporative**—see *Air-Conditioning & Ventilation Equipment*
- Coolers, Sample**—see *Sample Coolers*
- Cooling Towers**—see *Towers, Cooling*
- Cooling Systems, Body**—see *Health Physics Equipment*
- Core Plug Removal Tool**—see *Reactor/Service Tools*
- 17200 **Core Structural, Reactor**
- Corrosion**—see *Coatings; Consultants; Testing Services*
- 17600 **Corrosion Coupons (Metal Reference Standards)**
- 17650 **Corrosion Inhibitors**
- Control Tubes**—see *Detector Heads*
- Counters, Detectors, Radiation**—also see *Detector Heads; Monitors; Ratemeters*
- 17950050 Alpha
- 17950100 Beta
- 17950150 Gamma
- 17950200 Neutron
- 17950250 Combinations of Above
- 17950260 Desk-Top
- 17950270 Dose Rate, Emergency Range
- 17950280 Floor-Standing
- 17950290 Flow
- 17950300 Geiger-Mueller Type
- 17950320 Germanium Detectors
- 17950350 Ion Chamber Type
- 17950360 Ion-Implanted Silicon Detectors
- 17950370 Low-Background Alpha/Beta
- 17950380 Modular
- 17950390 Portable
- 17950400 Proportional Counters
- 17950430 Scintillation Counters, Liquid
- 17950450 Scintillation Counters, Radioimmunoassay
- 17950460 Scintillation Counters, Solid-State
- 17950500 Solid-State Semiconductor Type
- 17950520 Wipe Test Counters
- 17950530 X-ray
- Counting-Rate Meters**—see *Ratemeters*
- Couplings (Pipe-Joining)**—also see *Fittings*
- 18400050 Alloy Steel
- 18400080 Carbon Steel
- 18400120 Stainless Steel
- 18400150 Buttweld, Seamless
- 18400170 Buttweld, Welded
- 18400220 Forged Steel, Socket Weld
- 18400270 Forged Steel, Threaded
- 18400300 Mechanical
- 18400400 Nuclear Quality
- 18400500 Unions
- Cover Plates, Floor Drain**—see *Drains & Accessories*
- Coveralls**—see *Clothing, Protective*
- Coverings, Protective**—see *Protective Coverings*
- Covers, Wheel**—see *Health Physics Equipment*
- Craft Labor Support**—see *Employment*
- Crane Safety Systems**
- 18590050 Anti-Two-Blocking (Conversion)
- 18590100 Single-Failure-Proof
- Cranes & Hoists**
- 18600020 Control System Upgrade/Replacement
- 18600040 Controls, Radio
- 18600080 Cranes, Conventional, to 300-Ton Cap.
- 18600120 Cranes, Conventional, to 500-Ton Cap.
- 18600160 Cranes, Heavy-Lift, to 1000-Ton Cap.
- 18600180 Cranes, Heavy-Lift, to 2500-Ton Cap.
- 18600280 Double-Girder, Top-Riding
- 18600320 Electric
- 18600380 Fuel Building Cranes (Cask Handling)
- 18600440 Gantry
- 18600480 Hand Chain-Operated
- 18600540 Lug-Mounted Hoists
- 18600580 Monorail Hoists
- 18600620 Non-Safety-Related, Nuclear
- 18600660 Radwaste Storage Facility
- 18600700 Safety-Related, Nuclear
- 18600760 Semi-Gantry
- 18600800 Single-Failure-Proof
- 18600840 Single-Girder, Top-Riding
- 18600880 Single-Girder, Under-Riding
- 18600920 Spent Fuel Pool Cranes
- 18600960 Turbine Building Cranes
- Crimpers, Tube**—see *Pipe & Tube Machinery*
- Criticality Alarms**—see *Alarm Systems*
- Criticality Control Products**—see *Neutron Absorbers; Shielding Materials*
- Criticality Hazard Evaluation**—see *Consultants*
- Crushers, Control Rod**—see *Solid Waste Reduction Equipment*
- Crushers, Vial**—see *Radioactive Waste Handling & Treatment Equipment*
- 19200 **Cryogenic Apparatus**—also see *Decontamination Chemicals, Equip. & Services*
- 19280 **Cyber Security**
- 19300 **Cyclotrons**
- Cylinders, UF6**—see *Containers*
- 19450600 Volume
- Dams, Nozzle**—see *Nozzles*
- Data Acquisition/Handling Systems**—also see *Computer Services; Computer Software; Computers & Accessories*
- 19700050 Analog
- 19700100 Digital
- Data Readout Devices, Terminals & Accessories**—also see *Computers & Accessories*
- 20000100 Oscillographic
- 20000200 Plotters, Digital
- 20000300 Plotters, X-Y
- 20000400 Printers
- 20000430 Recording Charts
- 20000450 Recording Pens, Disposable
- 20000500 Strip Chart Recorders
- 20000600 Video Display
- Deaerating Heaters**—see *Heaters, Feedwater*
- 20250 **Debris/Foreign Object Control**
- Decommissioning Services**
- 20300050 Decontamination
- 20300100 Dismantling
- 20300150 Engineering Support Services
- 20300200 Radiological Surveys
- 20300300 SAFSTOR
- 20300400 Transportation, Intermodal
- 20300500 Transportation, Rail
- Decon Mats**—see *Health Physics Equipment & Supplies*
- Decontamination Chemicals, Equip. & Services**—also see *Cleaning Equip.; Health Physics Equip.*
- 20350200 Abrasive Cleaning
- 20350250 Chemical Decontamination
- 20350260 Chemicals
- 20350270 Concrete Scabbling
- 20350280 Cryogenic Cleaning (CO₂)
- 20350290 Drainline
- 20350300 Electropolishing
- 20350340 Equipment
- 20350350 Hand Scrubbing
- 20350420 High-Pressure Water
- 20350440 Ice Blasting (Wet Ice)
- 20350450 Laser Decontamination
- 20350470 Plugs & Seals
- 20350480 Services
- 20350490 Soil Washing
- 20350500 Strippable Coatings
- 20350550 Ultra-High-Pressure Water
- 20350600 Ultrasonics
- 20350630 Vacuum Blasting, Abrasive
- 20350650 Vibratory Finishing
- 20500 **Degasifiers**
- Dehumidifiers**—see *Air-Conditioning & Ventilation Equipment*
- Demineralizer Equipment**—see *Water Treatment Equipment*
- Deoxygenation**—see *Water Treatment Equipment*
- Design, Computer-Aided**—see *Computer Services*
- Design, Nuclear Facilities**—see *Consultants*
- 21200 **Desuperheaters**
- Detector Heads, Sold Separately**
- 21270050 BF3 Neutron Counters
- 21270100 Geiger-Mueller Tubes/Probes
- 21270150 He3 Neutron Counters
- 21270200 Ionization Chambers
- 21270230 Photomultiplier Tubes
- 21270250 Proportional Counters
- 21270280 Self-Powered Type
- 21270310 Scintillation Counters, Liquid
- 21270320 Scintillation Counters, Solid-State
- 21270350 Solid-State Semiconductor Type
- 21300 **Detectors, Accelerator Beam**
- 21310 **Detectors, Aerosol/Particulate**
- 21320 **Detectors, Air Bubble (In Liquid)**
- Detectors, Explosives**—also see *Equipment Rental*
- 21370100 Hand-Held
- 21370200 Walk-Through
- Detectors, Leak**—also see *Tape, Moisture-Sensitive*
- 21400050 Acoustic
- 21400100 Bubble Test
- 21400200 Electron Capture (SF/6)
- 21400230 Gas
- 21400250 HEPA Filter
- 21400350 Integrated Leak Rate Testing
- 21400400 Mass Spectrometer (He)

21400500	Pressure Change	24080	Drum Locking Devices	25400300	Full-Time Permanent Personnel
21500	Detectors, Metal		Drum Monitors —see <i>Monitors, Radiation, Area & Special-Purpose</i>	25400350	Technical, Professional Support, Temporary
	Detectors, Radiation —see <i>Counters, Detectors; Detector Heads; Monitors</i>		Drum Washing Systems —see <i>Rad. Waste Handling Equip.</i>	25600	Encapsulation, Radioactive Source Enclosures, Radiological Containment — <i>Health Physics Equipment</i>
22150	Detectors, Resistance Temperature —also see <i>Thermowells</i>		Drums, Drum Inserts —see <i>Containers</i>		Encryption Systems, Alarm —see <i>Alarm Systems</i>
22200	Detectors, Valve Position		Dry Cleaning —see <i>Health Physics Equipment; Health Physics Services</i>		Energy Flow Meters —see <i>Meters</i>
	Detergents —see <i>Decontamination Chemicals, Equipment & Processes</i>		Dryers, Air —see <i>Air-Conditioning & Ventilation Equipment</i>	25700	Energy Storage Systems, Thermal Engineering Services —see <i>Consultants; Construction/Engineering Serv.; Health Physics Serv.</i>
22410	Dewatering Systems & Supplies —also see <i>Waste Mgmt. Services</i>	24170	Dryers, Wet Solids —also see <i>Calciners; Radioactive Waste Handling & Treatment Equipment</i>		Enrichment —see <i>Uranium Enrichment</i>
	Dew Point —see <i>Hygrometry Instrumentation</i>	24180	Duct, Cable Bus		Environmental Analysis —see <i>Analysis; Consultants; Health Physics Services</i>
22430	Diaphragms, Storage Tank	24190	Duct, Wiring, Plastic		Environmental Laws & Regulation —see <i>Training</i>
	Diesel Generators, Stand-by —see <i>Generators</i>		Ductwork —see <i>Air-Conditioning & Ventilation Equipment</i>	26080	Environmental Monitoring Equipment —also see <i>Meteorological Equip.; Monitors, Radiation, Area</i>
	Digital Imaging —see <i>Imaging, Digital</i>		Dye Penetrant Testing —see <i>Nondestructive Testing</i>		Environmental Monitoring Services —also see <i>Health Physics Serv.; Rad. Monitoring Serv.</i>
	Digital Spectroscopy Amplifiers —see <i>Amplifiers</i>				Environmental Qualification —see <i>Testing Services</i>
	Disks, Compactor —see <i>Compactor Disks, for Drums</i>		<hr/>		Environmental Test Equipment —see <i>Test Equipment</i>
	Displacement Transducers —see <i>Transducers</i>		E		Equipment Condition Monitoring —see <i>Consultants; Testing Services</i>
22660	Display Systems, Annunciators		Earth Science Services —see <i>Consultants</i>	26100	Equipment Exchanges
	Disposal, Radwaste —see <i>Waste Management Services</i>		Economic Analysis —see <i>Consultants</i>		Equipment Qualification —see <i>Analysis; Computer Software; Testing Services</i>
	Diving Services		Education —see <i>Training</i>		Equipment Rental
22700100	Cutting/Burning	24250	Eductors, Containment Spray		Air Conditioning
22700200	Decontamination		Effluent Analyzers —see <i>Analyzers</i>		Chillers
22700300	Equipment Installation/Realignment	24270	Ejectors		Containers
22700400	Grouting		Electrical Cable —see <i>Cable</i>		Cooling Towers
22700450	Inspection		Electrical Distr. & Control Equip. —also see <i>Control Equip.; Reactor Instr.; Transformers</i>	26190	Detectors, Explosives
22700500	Maintenance				Detectors, Weapons
22700600	Metals Joining (Other Than Welding)	24300050	Circuit Breakers, Enclosed	26230030	Hydraulic Systems
22700700	Welding, Dry Box	24300100	Circuit Breakers, Molded Case	26230060	Instruments, Radiation Detection
22700800	Welding, Wet	24300150	Circuit Breakers, Power	26230070	Radiochemistry Labs, Mobile
	Document Storage & Retrieval —see <i>Computer Software; Records Management Systems</i>	24300170	Circuit Breakers, SF6 Gas	26230080	Remote-Operated Vehicles
	Documentation, Photo, Plant —see <i>Video Services</i>	24300200	Contactors	26230100	Scaffolding
		24300300	Motor Control Centers	26230150	Spot-Coolers
	Doors	24300400	Panelboards	26230200	Underwater Cameras
22800030	Airlocks	24300500	Relays	26230200	Vacuum Systems (HEPA Filtered)
22800050	Airtight Access	24300600	Starters	26230300	Valve Testers (Off-Line)
22800100	Blast	24300650	Substations, Metal-Enclosed	26230700	Ventilation Systems, HEPA Filtered
22800150	Bullet-Resistant	24300700	Switchboards (Power Distribution)	26230730	Video Inspection Systems
22800170	Fireproof	24300800	Transient Voltage Surge Suppression Systems	26230750	Whole-Body Counting Units
22800200	Pressure-Resistant		Electrical Engineering —see <i>Analysis; Computer Software; Consultants (Instrumentation & Elec.)</i>	26230760	
22800250	Radiation-Shielded		Electrical Heat Tracing —see <i>Heat Tracing, Electrical</i>	26230780	
22800300	Security		Electrical Insulation —see <i>Insulation</i>	26230785	
22800330	Steam Generator Manway, Shielded		Electromagnetic Compatibility Testing —see <i>Testing Services</i>	26230790	
22800350	Tornado/Missile-Resistant			26230800	
22800400	Watertight		Electrometers	26230850	
	Doorway Monitors —see <i>Monitors, Radiation, Personnel</i>	24400	Electron Beam Generators —see <i>Generators; Process Irradiation Facilities</i>	26230900	
	Dose Calibrators, Nuclear Medicine —see <i>Calibration Equipment</i>		Electron Tubes —see <i>Tubes</i>	26240	Equipment Sales, Surplus Erection Services —see <i>Construction/Engineering Services</i>
	Dosimeter Chargers —see <i>Health Physics Equipment</i>		Electronic Instrumentation & Supplies —also see <i>Analysis; Reactor Instrumentation</i>		Evaporative Coolers —see <i>Air-Conditioning & Ventilation Equipment</i>
	Dosimeters, High-Range —see <i>Health Physics Equipment</i>	25000	Electronic Signal Isolators —see <i>Isolators, Electronic Signal</i>		Evaporators, Waste —see <i>Dryers, Wet Solids; Radioactive Waste Handling & Treatment Equipment</i>
	Dosimeters, Personnel —see <i>Health Physics Equipment; Monitors, Radiation, Personnel</i>		Electropolishing —see <i>Cleaning Equipment; Decontamination Chemicals, Equipment</i>		Exchanges, Equipment —see <i>Equipment Exchanges</i>
	Dosimetry Phantoms —see <i>Health Physics Equipment</i>		Element Analysis —see <i>Analysis</i>		Expansion Joints —see <i>Joints, Expansion; Maintenance & Repair Services</i>
	Dosimetry Services —see <i>Health Physics Services</i>		Emergency Lighting Systems —see <i>Lights, Lighting</i>		Expert Systems —see <i>Computer Software; Remote Control, Handling & Positioning</i>
	Dosimetry Systems, Computerized —see <i>Health Physics Equipment</i>		Emergency Medical Equipment Services —see <i>Health Physics Equipment; Health Physics Services</i>	26390	Explosives Detectors —see <i>Detectors, Explosives</i>
	Drafting Services		Emergency Planning —see <i>Computer Software; Consultants; Training</i>	26410	Extensometers, Ultrasonic Extruded Outlets (Pipe)
23850050	Computerized		Emergency Response Equipment		
23850100	Conventional		Emergency Warning Systems (Public) —also see <i>Communications</i>		
	Drain Socks —see <i>Health Phys. Equip.</i>		Emergency Warning Systems (Worker)		
	Drains & Accessories		Employment/Personnel Support Services —also see <i>Consultants</i>		
23900100	Floor	25250100	Radiation Detection/Survey Meters		
23900130	Floor Drain Cover Plates				
23900160	Floor Drain I.D./Warning Plates				
23900200	Leak Detector				
	Drawing Control —see <i>Computer Software; Records Management</i>	25300100	Sirens, Electronic		
	Drives, Control Rod —see <i>Control Rod Drives; Reactor Service Tools</i>	25300200	Sirens, Mechanical		
	Drives, Variable-Speed	25300210	System Readiness Reporting Systems	26500	
24000	Drug Testing —see <i>Audits, Fitness-for-Duty; Security Services</i>	25300220	Telephonic, Computerized		
	Drum Breather Filters —see <i>Containers</i>	25300250	Tone Alerting Radios	26550	
	Drum Capping Machines, Remote —see <i>Rad. Waste Handling Equip.</i>	25300300	Voice Alert (Public Address)		
	Drum Cutting Machines —see <i>Radioactive Waste Handling & Treatment Equipment</i>	25350			

F

Fabric Structures—see *Structures, Fabric, Tensioned*

Fabricated Metal Components—see *Metal Components & Structures*

Fabricating Equipment, Metal & Ceramic

Fabrics, Flame-Retardant—also see *Fireproofing Materials*

Face Mask Communications—see *Communications Systems*

Failure Analysis—see *Analysis; Computer Software; Testing Services*

Fall Protection Equipment & Devices, Construction & Maintenance

- Fans & Blowers**—see *Air-Conditioning & Ventilation Equipment*
- Fasteners**—also see *Bolts, Foundation; Bolts, Turbine-Coupling*
- 26900100 Bolts
- 26900500 Nuts
- 26900550 Quick Throw
- 26900600 Studs
- 26900700 Threaded Rod
- 26900900 Washers
- Feedthroughs, Bulkhead**—also see *Sleeves, Wall*
- 26910100 Electrical
- 26910200 Fiber Optic
- Feedwater Heaters**—see *Heaters*
- Feedwater Regulators**—see *Regulators*
- Fiber Optic Cable**—see *Cable*
- 26970 **Fiber Optic Components & Systems**—also see *Cable; Connectors; Feedthroughs; Remote-Viewing*
- Film Badge Services**—see *Health Physics Services*
- Film Badges**—see *Monitors, Radiation, Personnel*
- Filter Efficiency Monitors**—see *Monitors, Other Than Radiation*
- 27150 **Filter Handling/Transfer Systems**
- Filter Housings**
- 27180100 Bag In/Bag Out
- 27180200 Manual Changeout
- 27180300 Remote Changeout
- 27180400 Side Access
- 27180500 Walk-In
- Filter Test Equipment**—see *Health Physics Equipment*
- Filter Services**
- 27250100 Refill
- 27250200 Testing
- Filter Transfer Casks**—see *Containers*
- Filter Valves**—see *Valves, Other*
- Filters**—also see *Air-Conditioning; Carbon; Containers; Filter Housings; Filters, Neutron*
- 27450100 Air
- 27450200 Carbon
- 27450300 Cloth, Straining
- 27450350 Disposable
- 27450400 HEPA
- 27450500 Hydraulic
- 27450600 Lubricating Oil
- 27450620 Stainless Steel, Porous, Backwash
- 27450630 Stainless Steel, Porous, Backwash, Ultrasonic
- 27450640 Stainless Steel, Porous, Blowback
- 27450660 Stainless Steel, Sintered
- 27450680 Thin-Film
- 27450685 Ultrafiltration
- 27450690 Vacuum (HEPA)
- 27450700 Water (Conventional)
- 27450800 Water Purification
- 27450900 Water/Steam, High-Pressure
- 27450950 X-ray
- 27650 **Filters, Neutron (CdS)**—also see *Neutron Absorbers*
- Finned Tubes**—see *Tubes, Finned*
- Finite-Element Analysis**—see *Analysis*
- Fire Alarm Systems**—see *Alarm Systems*
- Fire Dampers**—see *Dampers*
- 28000 **Fire Protection Serv.**—also see *Audits; Comp. Software; Consultants; Testing Serv.; Training*
- 28100 **Fire Protection, Extinguishers & Suppression**
- Fire Protection, Passive**
- 28150010 Engineering Services
- 28150050 Fire Barriers
- 28150080 Fire Wrap
- 28150110 Installation Services
- 28150140 Penetration Seals
- Fire-Retardant-Treated Lumber**—see *Construction Materials*
- 28250 **Fireproofing Materials**
- 28270 **Firestops**—also see *Seals, Penetration*
- 28300 **Fission Chambers**
- Fit-Testing, Respirator**—see *Health Physics Services; Respiratory Protection Equipment*
- Fitness-for-Duty**—see *Audits; Consultants; Security Serv.; Testing, Psych.; Training*
- 28390 **Fittings, Hose**
- Fittings, Pipe**—also see *Couplings; Extruded Outlets*
- 28400030 Alloy Steel
- 28400070 Carbon Steel
- 28400100 Stainless Steel
- 28400110 Branch Connections
- 28400120 Buttweld, Seamless
- 28400140 Buttweld, Welded
- 28400170 Chrome Moly
- 28400250 Forged Steel, Socket Weld
- 28400300 Forged Steel, Threaded
- 28400400 Nuclear Quality
- 28400450 Special-Purpose
- 28410 **Fittings, Tube**
- Flame-Retardant Fabrics**—see *Fabrics, Flame-Retardant*
- 28500 **Flange Refacing Equipment (On-Site)**
- Flanges, Pipe**
- 28530050 Chrome Moly
- 28530100 Commercial Grade
- 28530200 Stainless
- 28550 **Flanges, Pressure Vessel**
- Flasks, Water, Valve-Operating**—see *Vessels*
- Floodlighting**—see *Lighting*
- Floor Drains & Cover Plates**—see *Drains & Accessories*
- Floor Toppings**—see *Coatings*
- Flow Calibration**—see *Calibration Services*
- Flow Indicators**—see *Indicators*
- Flow Meters**—see *Meters*
- Flow Monitoring Valves**—see *Valves, Flow Monitoring*
- Flow Testing**—see *Testing Services*
- Flux Leakage**—see *Nondestructive Testing*
- Flux-Mapping Systems**—see *Reactor Instrumentation*
- Foam Tape**—see *Tape*
- Foils**—also see *Radioisotopes*
- 29200100 Carbon
- 29200200 Metal
- 29200300 Stable Isotope
- 29200400 Ultra-Thin
- Food Contamination Monitors**—see *Monitors, Radiation, Area & Special-Purpose*
- Force/Torque Sensors**—see *Robotic Devices; Sensors*
- Forgings**—see *Metal Components & Structures*
- Fracture Mechanics**—see *Analysis; Testing Services*
- Freeze Plugging/Sealing**—see *Maintenance Services; Plugs*
- Frisker Shields**—see *Shielding Materials*
- Friskers**—see *Monitors, Radiation, Personnel*
- Fuel Assay Equipment**—see *Assay Equipment*
- Fuel Assembly Repair**—see *Maintenance & Repair Services*
- 32250050 **Fuel Channels**
- 32250100 **Fuel Element Cladding**
- 32250200 **Fuel Element Consolidation (Spent Fuel)**
- 32250200 Services
- 32250300 Systems
- 32250350 **Fuel Element Grids**—see *Grids*
- 32250400 **Fuel Element Inspection Services**—see *Inspection Services*
- 32250500 **Fuel Element Inspection Systems**—see *Fuel Handling Equipment*
- 32250600 **Fuel Element Monitoring Systems**—see *Monitors, Other Than Radiation; Reactor Instrumentation*
- 32250700 **Fuel Element Support Structures**—see *Grids*
- 32250800 **Fuel Elements, Fabricated**
- 32250900 Conventional
- 32251000 Mixed Oxide
- 32251100 **Fuel Handling Equipment & Systems**—also see *Fuel Element Consolidation; Reprocessing Equip.*
- 32251200 Computer Control Systems
- 32251300 Fuel Transfer Equipment
- 32251400 In-Pile Inspection & Manipulation
- 32251500 Quick Closures, Fuel Transfer Tube
- 32251600 Refueling Equipment
- 32251700 Refueling Shielding
- 32251800 Service Platform Modification/Upgrade
- 32251900 **Fuel Management Services**—also see *Analysis; Computer Software; Consultants; Training*
- 32252000 **Fuel Marketing Services**
- 32252100 **Fuel Performance Analysis**—see *Analysis*
- 32252200 **Fuel Pool Gates**—see *Gates, Pool*
- 32252300 **Fuel Pool Liner**—see *Linings, Pool*
- 32252400 **Fuel Reprocessing**—see *Reprocessing, Fuel; Reprocessing Equipment, Fuel*
- 32252500 **Fuel Shipping Containers**—see *Containers*
- 32252600 **Fuel Storage Racks**—see *Racks*
- 32252700 **Fuel Storage Services**—see *Storage Services*
- 32252800 **Fuel Transfer Equipment**—see *Fuel Handling Equipment*
- 32252900 **Fume Hoods**
- 32253000 **Furnaces**—also see *Radioactive Waste Treatment Equipment*
- 32253100 Hot Press Sintering
- 32253200 Nuclear Fuel Sintering
- 32253300 Stress Relieving
- 32253400 Vacuum
- 32253500 **Furniture, Control Room**
- Fusion Reactor Components & Systems**—also see *Cryogenic; Laser; Magnets; Tritium; etc.*
- 31700150 Isotope Separation Materials (Metal Hydrides)
- 31700200 Liquid Lithium Handling Systems
- 31700300 Microwave Generators
- 31700400 Neutral Beam Heaters
- 31700500 Pellet Manufacturing
- 31700600 Reactor Instrumentation & Control
- 31700700 RF Equipment
- 31700800 Structural Components
-
- G**
- Gadolinium**—see *Neutron Absorbers*
- Gamma Thermometers**—see *Reactor Instrumentation*
- Gas Analyzers**—see *Analyzers*
- Gas Circulators**—see *Gas Handling Equipment*
- Gas Detectors, Monitors**—see *Detectors; Monitors, Other Than Radiation*
- Gas Generators**—see *Gas Handling Equipment*
- Gas Handling Equipment**—also see *Analyzers, Gas; Filters; Stacks*
- 32250500 Adsorbers
- 32250600 Circulators
- 32250700 Gas Generators
- 32250800 Hydrogen Combiners
- 32250900 Mixers, Proportioners
- 32251000 Off-Gas Treatment Systems
- 32251100 Purifiers
- Gas Sampling Systems**—see *Pumps, Other; Samplers*
- Gases**
- Gases, Calibration, Radioactive**—see *Radioisotopes*
- Gaskets**—see *Seals*
- Gate Monitors**—see *Monitors, Radiation, Area*
- Gates, Pool**
- Gates, Security**—see *Security Structures*
- Gauges**
- Gearboxes**
- Geiger-Mueller Tubes**—see *Detector Heads*
- Generators and Turbines, Emission Control**
- Generators, Electron Beam**—also see *Process Irradiation Facilities*
- Generators, Gas**—see *Gas Handling Equipment*
- Generators, Microwave**—see *Fusion Reactor Components & Systems*
- Generators, Neutron**
- Generators, Power**—see *Thermionic Devices; Thermoelectric Devices; Turbine-Generators*
- Generators, Signal**
- 35650100 Digital Time Delay
- 35650200 Pulse
- Generators, Sodium Hypochlorite**—see *Water Treatment Equipment*
- Generators, Stand-by**—also see *Maintenance & Repair Services*
- Generators, Steam**—see *Steam Generators*
- Geotechnical Analysis**—see *Analysis*

Gland Packing Systems—see *Valve Stem Gland Packing Systems*
Glass, Radiation-Shielding—see *Shielding Materials; Windows*
Gloveboxes & Accessories—also see *Connectors, Electrical, Glovebox; Filters*
 36000100 Base Units
 36000200 Containers
 36000300 Drain Assemblies
 36000350 Glovebag Containments
 36000400 Glove Rings
 36000500 Gloves
 36000600 Ports
Gloves—see *Clothing, Protective; Gloveboxes & Accessories*
Goggles—see *Clothing, Protective*
 36800 **Graphite Grapples**
 36820100 Commercial Grade
 36820150 Drycask/Canister
 36820200 Nuclear (Remote-Operated)
 36850 **Gratings, Catwalks, Stair Treads Grease & Oil Interceptors**—see *Interceptors*
 36870 **Grids, Fuel Element Grits, Lapping & Polishing**—see *Abrasives; Nozzles*
 36900 **Grouts Guard Stations**—see *Security Structures*
Guards—see *Security Services*

H

Hafnium—see *Metals, Other*
Hangers, Pipe—see *Pipe Hangers & Supports*
Harnesses, Safety—see *Fall Protection*
Hats—see *Clothing, Protective*
Health Physics Equipment & Supplies—also see *Counters; Monitors, Rad.; Resp. Prot.; Samplers*
 37130040 Bags
 37130080 Biomedical Radiation-Counting Systems
 37130120 Body Cooling Systems
 37130160 Decon Mats
 37130180 Decon Trailers, Mobile
 37130200 Dosimeter Chargers
 37130220 Dosimeter Vests, Caps, Arm & Leg Bands
 37130240 Dosimeters, High-Range (Mega R)
 37130280 Dosimeters, Personnel
 37130290 Dosimetry Systems, Computerized
 37130300 Dosimetry Systems, Real-Time Remote
 37130330 Drain Socks
 37130340 Emergency Medical Equipment & Supplies
 37130360 Enclosures, Radiological Containment (Temporary)
 37130380 Filter Test Equipment
 37130400 Heat Stress Monitors
 37130440 Labels, Warning
 37130470 Laundry Bags
 37130480 Laundry Systems, Dry Cleaning
 37130520 Laundry Systems, Wet Wash
 37130560 Medical Instrumentation, Nuclear
 37130580 Mops, Roll, Tacky
 37130600 Phantoms, Radiation-Dosimetry
 37130640 Planchet Chargers, Automatic
 37130680 Planchets, Counting
 37130720 Respirator Tracking Systems
 37130760 Scanners, Isotope Distribution
 37130800 Sheeting, Plastic
 37130840 Signs, Warning, Radiation
 37130880 Smears, Swipes
 37130900 Stretch Wrap Film
 37130960 Tubing, Plastic
 37130970 Wheel Covers
 37130980 Wipers, Tacky
Health Physics Equipment & Supplies, Disposable/Soluble
 37160010 Equipment & Floor Covers
 37160030 Mops, Wet
 37160050 Wipers
Health Physics Recordkeeping Systems—see *Computer Software; Records Mgmt. Systems*
Health Physics Services—also see *Decontamination; Rad. Monitoring Serv.; Waste Mgmt. Serv.*
 37200060 Badge Services, Film
 37200100 Badge Services, TLD
 37200140 Bioassay

37200160 Breathing Air Quality Analysis
 37200180 Calibration
 37200220 Dosimetry Services
 37200300 Environmental Impact Analysis
 37200340 Hazard Communication (Employee)
 37200380 Industrial Hygiene Services
 37200400 Industrial Radiology
 37200420 Industrial Toxicology
 37200440 In-Plant
 37200450 Laboratory Services
 37200460 Laundry Services, Dry Cleaning
 37200480 Laundry Services, Extraction
 37200500 Laundry Services, Wet Wash
 37200520 Medical Review Officer Services
 37200540 Procedures Writing
 37200580 Quality Assurance, Quality Control
 37200620 Radiochemistry Services
 37200660 Radiological Engineering
 37200700 Radioimmunassay Services
 37200740 Regulatory Compliance Support
 37200780 Respirator Fit Testing
 37200820 Respiratory Equipment Cleaning, Repair & Testing
 37200860 Surveys
 37200890 Training, Health Physics
 37200920 Training, Maintenance Support
 37200940 Training, Simulators
 37200950 Urinalysis
 37200980 Whole-Body Counting Services

Health Testing, Employee—see *Health Physics Services*
Hearing Protection Devices—see *Clothing, Protective; Monitors, Noise; Silencers*

Heat Exchangers & Equipment—also see *Computer Software*

37600200 Coil
 37600250 Heat Pipe
 37600300 Plate/Tube
 37600350 Refacing Equipment (On-Site)
 37600400 Shell/Tube
 37600500 Sodium/Air
 37600600 Sodium/Sodium
 37600650 Sodium/Water
 37600700 Wet Surface Air Coolers
 37660 **Heat Sinks, Ultimate**—also see *Ponds, Spray; Towers, Cooling*

Heat Stress Monitors—see *Health Physics Equipment*

37700 **Heat Tracing, Electrical**
 37720 **Heat Tracing Monitoring & Control Systems**

Heat Transfer Analysis—see *Consultants*

37780 **Heat Treating Services**
 37800 **Heaters, Electric Resistance**
 38000 **Heaters, Electric Resistance**
 38200 **Heaters, Induction**

Heaters, Neutral Beam—see *Fusion Reactor Components & Systems*

38270 **Heavy Water**

Helmets—see *Clothing, Protective*
Hoists—see *Cranes & Hoists*

Homeland Security—see *Security Systems & Devices*

Hoods—see *Fume Hoods; Respiratory Protection Equipment*

Hose
 38440100 Elastomeric
 38440200 Flexible Metal
 38440300 Instrumentation
 38440400 Teflon Tube
 38440500 Thermoplastic

Hot-Cell Wall Plugs, Sleeves—also see *Shielding Materials*

38600100 Lighting fixtures
 39300 **Hot Laboratories**
 39400 **Hot Laboratory Services**

Housings, Filter—see *Filter Housings*

Howitzers, Neutron—see *Neutron Howitzers*

Human Factors Engineering—see *Consultants*

Humidity Control, Measurement—see *Air-Cond. & Vent.; Hygrometry; Meteorol. Equip.; Monitors*

Hydraulic Systems & Components—also see *Consultants; Pumps, Other*

39650100 Mechanisms
 39650200 Systems
 39650300 Turbines

Hydrodynamics—see *Consultants*

Hydrogen Combiners—see *Gas Handling Equipment*

Hydrogen Analyzers—see *Analyzers*
Hydrological Analysis—see *Analysis*
Hygiene Services, Industrial—see *Health Physics Services*
 39900 **Hygrometry Instrumentation**—also see *Meters, Moisture*
Hypochlorite Generators—see *Water Treatment Equipment*

Ice Blasting—see *Decontamination Chemicals, Equipment & Services*

Imaging, Digital

39960100 Consulting Services
 39960200 Hardware
 39960300 Radiographic Scanning
 39960350 Real-Time
 39960400 Software

Incineration—see *Radioactive Waste Handling; Waste Management Services*

Indicators

40050050 Flow
 40050080 Laminar Flow
 40050090 LEDs
 40050100 Level
 40050150 Pressure
 40050200 Temperature
 40050250 Vibration

Indicators, Radiation—see *Counters; Health Physics Equip.; Monitors; Reactor Instrumentation*

Industrial Safety—see *Consultants (Safety, Plant); Inspection Services*

Information Services—also see *Operating Experience Info Services; Research Services*

Infrared—see *Nondestructive Testing; Remote-Viewing Instruments; Test Equip.; Testing Serv.*

Inhibitors, Corrosion—see *Corrosion Inhibitors*

40775 † **Injection Systems, Chemical Inserts, Drum**—see *Containers*

Inspection Services—also see *Imaging, Digital; NDT; Testing Services; Video Services*

40900020 Containment
 40900030 Control Rods & Drives
 40900050 Cranes & Hoists
 40900060 Dimensional
 40900070 Diaphragms, Storage Tank
 40900075 Foundation, Diesel Generator
 40900077 Foundation, Steam Generator
 40900080 Fuel, Irradiated
 40900100 In-Service
 40900200 Inspection Agency, ASME Code
 40900300 Microscopy, Scanning
 40900400 Nondestructive Examination
 40900440 Pipeline
 40900445 Pipe Supports
 40900500 QA/QC
 40900530 Safety, Industrial
 40900540 Siren Systems
 40900560 Tanks & Pools
 40900580 Turbine
 40900600 Visual, Remote
 40900620 Welding
 40900640 Underwater, Remote, In-Service

Inspection Systems, X-ray—see *Security Systems*

Instrument Cabinets—see *Cabinets & Panels, Instrument*

Instrument Services—also see *Calibration Services; Health Physics Services*

Instrumentation, Electronic—see *Electronic Instrumentation & Supplies*

Instrumentation, Misc.
 Analyzer, Total Uranium (Water, Urine)

Instrumentation, Reactor—see *Reactor Instrumentation*

Instrumentation, Seismic—see *Seismic Instrumentation*

Instruments, Particle-Measuring—see *Particle-Measuring Instruments*

Insulation, Electrical, Radiation-Resistant—also see *Maintenance & Repair Serv.*

Insulation, Thermal
 41200100 Blanket

41200200 Cable
 41200300 Cable Tray
 41200330 High-Temperature
 41200360 Metal Reflective
 41200380 Nuclear Quality (Q Materials)
 41200400 Pipe and Tube
 41420 **Interceptors, Oil & Grease**
 41450 **Inverters (DC to AC)**
Iodine Filters, Samplers—see *Filters*
 (Carbon; HEPA); Gas Handling Equip.
 (Absorb.); Samplers
 41550 **Ion Chromatography**
Ion-Exchange Systems, Materials
& Services
 41700050 Components & Systems
 41700100 Materials
 41700200 Services
 42400 **Ion Sources**
Ionization Chambers—see *Counters*;
Detector Heads; Monitors, Radiation,
Personnel
Irradiation Sample Transfer
Systems—see *Transfer Systems*
 42600 **Irradiation Services**
 42800 **Irradiators, Isotopic**—also see *Process*
Irradiation Facilities
Isolation Plugs—see *Maintenance*
Services; Plugs
 42870 **Isolators, Electronic Signal**
Isotope Distribution Scanners—see
Health Physics Equipment
Isotope Safes—see *Safes*
 43150 **Isotope Separation Plants &**
Equipment
Isotopes, Radioactive—see
Radioisotopes
 43400 **Isotopes, Stable (Enriched)**
Isotopic Analysis—see *Analysis*
Isotopic Irradiators—see *Irradiators*;
Process Irradiation Facilities

J

Joints, Expansion
 43700100 Conventional
 43700140 Ductwork, Fabric
 43700160 Ductwork, Metal
 43700200 Packless
Joints, Pipe—see *Pipe Joints*

K

Kicksorters—see *Analyzers (Pulse-Height)*

L

Lab Coats—see *Clothing, Protective*
Labeled Compounds—see
Radioisotopes
Labels—see *Bar Coding Devices &*
Supplies; Tags & Labels; Health
Physics Equipment & Supplies
Labor—see *Employment/Personnel*
Support Services
Laboratories, Hot—see *Hot Laboratories*
Laboratories, Mobile
 44000100 Analytical Services, On-Site
 44000200 Environmental Analysis
Laminations, Metal—see *Metal*
Components & Structures
Laminar Flow—see *Calibration Equip.;*
Indicators; Testing Services
 44060 **Lapping Compounds (High-Purity)**—
 also see *Abrasives*
 44070 **Lapping Equipment, Precision**—also
 see *Machining Services; Polishing*
Equipment
 44080 **Laser Equipment & Accessories**
 44090 † **Laser Scanning for Dimensional**
Measurement
Laundry Services, Contaminated
Clothing—see *Health Phys. Serv.*
Laundry Systems, Contaminated
Clothing—see *Health Physics*
Equipment
Lead Glass—see *Windows*

Lead Plastic—see *Shielding Materials,*
Radiation; Windows, Radiation-
Shielding
Leak Detectors, Monitors—see
Detectors, Leak; Monitors, Other
Than Radiation
Leak Repair, Concrete—see
Maintenance Services
 45250 **Leak-Sealing Services, On-Line**
Leak Testing—see *Test Equipment;*
Testing Services
 45280 **Legal Services**
Level Indicators—see *Indicators;*
Transmitters
 45350 **Licensing**—see *Consultants; Training*
Lifts, Aerial
Lights, Lighting
 45550100 Construction
 45550150 Emergency
 45550170 Hot Cell
 45550200 Pool, Nuclear
 45550250 Portable, Battery-Powered
 45550300 Reactor Floor
 45550400 Underwater
Liners, Container, Drum—see
Containers
Liners, Hat—see *Clothing, Protective*
 45700 **Liners, Pool**
Lithium—see *Metals, Other*
Load Positioners—see *Positioners*
Locking Devices, Drum—see *Drum*
Locking Devices
Loops, Test
 46200100 In-Pile
 46200200 Out-of-Pile
Loose Parts Monitors—see *Monitors,*
Other Than Radiation
Loose Parts Retrieval—see *Analysis;*
Maintenance & Repair Serv.; Reactor
Service Tools
Lubricants
 46810050 Anti-Seize (High Purity)
 46810300 Radiation-Resistant
Lubrication Analysis—see *Analysis*
Lumber, Fire-Retardant Treated—see
Construction Materials
Lumber & Pipe Monitors—see
Monitors, Radiation, Area & Special-
Purpose
Luminescent Tape, Warning—see *Tape*

M

Machining Services—also see *Metal*
Components & Structures
 46950100 Computerized Numerical Controlled
 46950300 Conventional
 46950310 Electrical Discharge (EDM)
 46950350 Field
 46950400 Lapping
 46950430 Metal Disintegration Machining
 46950460 Plasma Arc Cutting
 46950500 Remote
 46950600 Shearing
 46950700 Underwater
Magnesium—see *Metals, Other*
Magnetic Particle Testing—see
Nondestructive Testing
Magnets
 47200100 Conventional
 47200200 Superconducting
Maintenance Equip.—see
Decontamination; Cleaning
Equipment; Tools; Workbenches;
Work Platforms
Maintenance & Repair Services—also
 see *Filter Serv.; Steam Gen. Maint.;*
Testing Services
 47400010 Bolt-Maintenance
 47400020 Bus Bar Insulating (Epoxy Coating)
 47400030 Concrete
 47400040 Condenser
 47400050 Construction
 47400055 Control Rod Drives
 47400060 Cooling Towers
 47400065 Cranes & Hoists
 47400075 Diesel Generators
 47400080 Electrical Equipment
 47400090 Expansion Joints
 47400100 Freeze Plugging/Sealing (Pipe)
 47400110 Fuel Assemblies
 47400120 Fuel Transfer Equipment

47400130 General
 47400150 Heat Exchangers
 47400170 HVAC Equipment
 47400190 Hydraulic Equipment
 47400210 Leak Repair, Concrete
 47400220 Loose Parts Retrieval
 47400250 Mechanical Seals
 47400270 Motors, Electric
 47400320 Outage Management Services
 47400340 Penetration Seals
 47400360 Pipe Cleaning, Internal (Bio-Fouling)
 47400365 Pipe Repair and Replacement
 47400370 Plant Life Management
 47400380 Pool Liner Inspection & Repair
 47400390 Post-Tensioning System Surveillance
 47400400 Power Apparatus
 47400450 Protective Coatings
 47400460 Pump & Motor, Main Coolant
 47400470 Pump Inspection & Repair
 47400480 Radiation Measuring Devices & Systems
 47400485 Radiation Shielding
 47400490 Radiation-Shielding Windows
 47400500 Reactor
 47400520 Reactor Internals
 47400600 Refueling Equipment
 47400620 Regulatory Compliance Support
 ("Maintenance Rule")
 47400640 Remote Inspection/Repair
 47400645 Rotating Machinery Alignment
 47400650 Rotating Machinery, Vibration Monitoring
 (Predictive)
 47400700 Screens, Traveling
 47400720 Seal Table/Flux Thimbles
 47400730 Security Systems, Anti-Intrusion
 47400760 Snubbers
 47400800 Spent-Fuel Racks
 47400805 Stud/Nut Removal
 47400810 Tank Cleaning, Fuel Storage
 47400820 Trash Racks
 47400830 Tubesheet, Epoxy Cladding
 47400850 Turbine-Generator
 47400900 Underwater Repairs
 47400930 Valve Actuators
 47400940 Valve Repair, Recertification
 47400960 Valve Testing, Off-Line
 47400970 Valve Testing, On-Line
 47400980 Water Intake Cavity Cleaning (Bio-
 Fouling)
Man-Tracking Systems—see *Health*
Physics Equipment
Management Information Systems—
 see *Computer Software; Consultants;*
Records Mgmt. Systems
 47600 **Manipulators, Remote**—also see
Remote Control, Handling &
Positioning Devices
Mapping Services
 47620100 Automated
 47620200 Conventional
 47630 **Markers, Identification**
Markers, Pen, for Fabrication
Markers, Pipe
Marketing Services, Fuel—see *Fuel*
Marketing Services
Mask Function Test Equipment—
 see *Test Equipment*
Masks—see *Respiratory Protection*
Equipment
 47900 **Mass Spectrometers**—also see
Detectors, Leak
Master-Slave Manipulators—see
Manipulators
Materials Handling Equipment
 48050050 Automated
 48050100 Conventional
 48050200 Custom
 48050300 Explosion-proof
Materials, Shielding—see *Shielding*
Materials
Materials Testing, Analysis—see
Analysis; Testing Services
 48300 **Mechanical Control Devices**
Mechanical Couplings—see *Couplings*
Mechanical Seals—see *Maintenance &*
Repair Services; Seals
Medical Equipment, Services,
Emergency—see *Health Physics*
Equipment; Health Physics Services
Medical Instrumentation, Nuclear—
 see *Health Physics Equipment*
Medical Radioisotopes—see
Radioisotopes
Mesh, Concrete Reinforcement—see
Construction Materials

- Metal Alloys & Compounds**—see *Metals, Other*
- 48950 **Metal Cladding Services**—also see *Metals, Other*
- Metal Components & Structures**—also see *Gratings, Catwalks, etc.; Machining Serv.; Racks*
- 49000030 Castings, Aluminum
49000100 Castings, Investment
49000150 Castings, Lead
49000200 Castings, Lost Wax (Cire Perdue)
49000300 Castings, Precision
49000330 Castings, Sand-Molded
49000360 Castings, Steel & Alloy Steel
49000400 Fabrications
49000500 Forgings
49000600 Laminations
49000650 Pressure-Formed
49000700 Roll-Formed, Custom
- Metal Detectors**—see *Detectors*
- Metal Laminations**—see *Metal Components & Structures*
- 49700 **Metalizing**
- 50000 **Metallographic Equipment**
- Metallurgical Failure Analysis**—see *Analysis; Samplers & Sampling Systems*
- Metals, Clad**—see *Metals, Other*
- Metals, Lead**—also see *Shielding Materials*
- 50250050 Brick
50250080 Fabricated Specialties
50250100 Lead Wool Blankets
50250150 Plate
50250200 Sheet
50250250 Shot
- Metals, Other**—also see *Graphite; Neutron Absorbers; Thorium; Uranium*
- 50300050 Alloys & Compounds
50300100 Aluminum
50300150 Clad
50300170 Copper
50300200 Hafnium
50300300 Lithium
50300350 Magnesium
50300400 Molybdenum
50300450 Nickel & Nickel-Base Alloys
50300500 Niobium
50300600 Tantalum
50300700 Tellurium
50300800 Titanium
50300850 Uranium Metal
50300900 Vacuum-Melted
50300950 Zirconium
- Metals, Steel**—also see *Construction Materials; Metals Other (Alloys, etc.)*
- 50350050 Boron Stainless
50350100 Carbon
50350200 Clad
50350250 Controlled-Chemistry Heat Melts
50350300 Ferritic
50350400 Stainless
- Metals, Vacuum-Melted**—see *Metals, Other*
- Meteorological Equipment**—also see *Environmental Monitoring Equip.*
- 51730100 Anemometers
51730200 Barometers
51730300 Humidity Sensors
51730400 Precipitation Sensors
51730500 Solar Radiation Sensors
51730600 Temperature Sensors
- Meteorology**—see *Consultants*
- Meters**—also see *Counters, Detectors; Hygrometry; Orifices; Ratemeters; Reactor Instr.*
- 51850100 Boron Concentration
51850200 Conductivity (Ion Concentration)
51850300 Energy Flow
51850400 Flow
51850500 Moisture
51850600 Reactor, Axial Offset
51850700 Reactor Period
- Meters, Counting-Rate**—see *Counters, Detectors; Ratemeters*
- 53600 **Microfilming**
- Microprocessor Circuit Boards**—see *Computers & Accessories*
- Microscopy, Scanning**—see *Inspection Services*
- Mixers, Gas**—see *Gas Handling Equipment*
- Mobile Laboratories**—see *Laboratories, Mobile*
- Mockup Design & Fabrication**—also see *Simulators; Training Materials*
- Mining, Uranium**—see *Uranium Mining*
- 53950100 Control Room
53950200 Equipment
53950300 Local & Remote Control Panels
54000 **Model Making**—also see *Training Materials*
- Moisture Meters**—see *Meters*
- Moisture-Sensitive Tape**—see *Tape*
- 54300 **Moisture Separators & Reheaters**
- Molybdenum**—see *Metals, Other*
- Monitoring & Control Systems, Reactor**—see *Reactor Instrumentation*
- Monitoring, Environmental**—see *Computer Software; Environmental Monitoring Services*
- Monitoring Services, Radiation**—see *Health Physics Serv.; Radiation Monitoring Serv.*
- Monitors, Alarm Status**—see *Alarm Status*
- Monitors, Heat Stress**—see *Health Physics Equipment*
- Monitors, Other Than Radiation**—also see *Reactor Instrumentation*
- 54750030 Air-In-Leak
54750060 Cable Condition
54750080 Check Valve
54750100 Chlorine
54750150 Cooling Water System
54750160 Corrosion
54750200 Filter Efficiency
54750300 Fuel Element (Ex-Reactor)
54750330 Gas
54750350 Humidity, Integrated Leak Rate Test
54750400 In-Line Process
54750500 Loose Parts
54750600 Machinery Condition
54750700 Noise
54750720 Plant Performance (Flow/Temperature)
54750750 Reactor Heat Recovery Level (Outage)
54750780 Service Water System
54750790 Steam Generator Leak Rate
54750800 Temperature
54750900 Vibration
54750920 Water Chemistry
54750950 Weld
- Monitors, Radiation, Area & Special-Purpose**—also see *Environmental; Radiation Monitoring*
- 55040030 Air, Alpha, Continuous
55040050 Air, Particulate
55040055 Automated Floor Survey System
55040060 Bag
55040080 Conveyorized Waste
55040090 Drum/Barrel
55040100 Fixed-Area
55040110 Floor Contamination
55040130 Food Contamination
55040150 Gas Effluent
55040160 Gate
55040180 Laundry
55040200 Liquid Effluent
55040220 Microwave & RF Radiation
55040230 Mobile (Aircraft)
55040235 Mobile (Vehicular)
55040260 Outstations
55040280 Perimeter
55040310 Pipe/Lumber
55040320 Portable Survey Meters
55040330 Radon
55040340 Scrap, Radioactive
55040360 Stack Effluent
55040370 Tool
55040390 Tritium
55040400 Tritium, Portable
55040450 Underwater
- Monitors, Radiation, Personnel**—also see *Health Physics Equipment; Monitors, Microwave & RF*
- 55060030 Audible Alarm (Electronic)
55060050 Doorway
55060100 Film Badges, Films
55060150 Hand-and-Foot
55060200 Pocket Ion Chambers
55060250 Thermoluminescent Dosimeters (TLD)
55060300 Whole-Body
- Monitors, Waste**—see *Monitors, Radiation, Area & Special-Purpose*
- 55200 **Mops, Roll, Tacky**—see *Health Physics Equipment*
- Mossbauer-Effect Equipment, Sources**
- Motor Control Centers**—see *Electrical Distribution & Control Equipment*
- Motors**—also see *Maintenance & Repair Services; Test Equipment; Testing Services*
- 55300050 Electrical
55300100 Hydraulic
55300150 Linear
- Multichannel Analyzers**—see *Analyzers*
- Multiparameter Analyzers**—see *Analyzers*
- Multiplexing Systems**—also see *Computers*
- 55470050 Analog
55470100 Digital
55470150 Remote
- Multi-Tube Cable**—see *Cable*
-
- N**
- Neutron Absorbers**—also see *Filters, Neutron; Shielding Design; Shielding Materials*
- 55490400 Boric Acid
55490430 Boron Carbides
55490440 Boron Carbides, Enriched (B-10)
55490450 Boron, Natural
55490500 Boron, Enriched (B-10, B-11)
55490600 Other Boron Compounds
55490640 Burnable Poisons
55490650 Cadmium
55490700 Cadmium Sulfide
55490730 Encapsulated
55490750 Gadolinium
55490760 Grain
55490770 In Matrixes
55490780 Metal Matrix Composites
55490790 Molded Shapes
55490810 Pellets
55490830 Plates
55500 **Neutron Activation Analysis Services**
55550 **Neutron Activation Flux Wires & Foils**
- Neutron Detectors, Reactor**
- 56400050 Ex-Core
56400100 In-Core
56400200 Superheated Drop (Bubble) Detectors
- Neutron Filters**—see *Filters, Neutron; Neutron Absorbers*
- Neutron-Flux-Mapping Systems**—see *Reactor Instrumentation*
- Neutron Generators**—see *Generators*
- Neutron Howitzers**
- Neutron Spectrometers**
- Nickel & Nickel Base Alloys**—see *Metals, Other*
- Niobium**—see *Metals, Other*
- Noise Monitors**—see *Monitors, Other Than Radiation*
- Nondestructive Testing**—also see *Test Equipment; Testing Services*
- 56600300 Acoustic Emission
56600400 Eddy Current
56600450 Equipment Sales
56600500 Dye Penetrant
56600600 Fluorescent Penetrant
56600630 Flux Leakage
56600640 Ground Penetrating Radar
56600660 Infrared
56600700 Magnetic Particle
56600800 Radiographic
56600850 Radiographic, Real-Time Imaging
56600870 Residual Stress
56600880 Services
56600900 Ultrasonic
56600950 Underwater
- Nozzles**—also see *Air Conditioning; Eductors*
- 56750030 Grit Blasting
56750050 Nozzle Dams, Steam Generator
56750100 Pressure Vessel
56750300 Spray
56750400 Steam Generator
- Nuclear Safety Analysis**—see *Analysis; Consultants*
- Nuclear Steam Supply Systems**
- Nuclear Technology Policy**
- Nucon Smears**—see *Health Physics Equipment & Supplies*

- Nuts**—see *Fasteners*
-
- O**
- Off-Gas Hydrogen Analyzers**—see *Analyzers*
- Off-Gas Treatment Systems**—see *Analyzers; Gas Handling Equipment; Igniters; Stacks*
- Oil & Grease Interceptors**—see *Interceptors*
- 57000 **Operating Experience Information Services**
- Operators, Valve**—see *Valve Operators*
- Orifices**
- 57050050 Coupling
- 57050100 Flow Restrictor
- 57050150 Multistage
- 57050200 Plate
- OSHA Compliance**—see *Training*
- Outlets, Extruded (Pipe)**—see *Extruded Outlets*
- Outage Management**—see *Consultants; Maintenance & Repair Services*
- Overpacks**—see *Containers*
- Oxygen Analyzers**—see *Analyzers*
-
- P**
- Packaging**—see *Containers*
- 57400 **Packings**
- 57600 **Paints**
- Panelboards**—see *Electrical Distribution & Control Equipment*
- Panels, Bullet-Resistant**—see *Security Structures*
- Panels, Shielding**—see *Shielding Materials*
- 58000 **Pants**—see *Clothing, Protective*
- Particle-Measuring Instruments**
- Particulate Samplers**—see *Samplers*
- Parts, Spare & Replacement**—see *Spare & Replacement Parts*
- Parts Washers**—see *Cleaning Equipment*
- Pellet & Slug Presses**—see *Presses*
- Penetration Ports**—see *Ports*
- Penetration Seals**—see *Seals*
- Penetrations, Containment**—also see *Feedthroughs; Ports, Penetration; Sleeves, Wall*
- 58250100 Electrical
- 58250200 Mechanical
- Pens**—see *Data Readout Devices & Accessories; Markers*
- Periscopes**—see *Remote-Viewing Instruments*
- Personnel**—see *Employment/Personnel Support Services*
- Personnel Access Control Systems**—see *Security Systems*
- Personnel Screening, Investigation**—see *Security Services*
- Personnel Screening, Stress/Health**—see *Consultants; Health Physics Services*
- Phantoms, Radiation-Dosimetry**—see *Health Physics Equipment*
- Photodocumentation, Plant**—see *Video Services*
- 58800 **Photogrammetry, Close-Range**
- Photomultiplier Tubes**—see *Detector Heads*
- Pipe**—also see *Cleaning Equip.; Extruded Outlets; Fittings; Pipe; Piping Systems*
- 59800030 Carbon Steel, Seamless
- 59800040 Chrome Moly
- 59800045 Copper
- 59800050 Lead
- 59800070 Nickel-Cobalt, Seamless
- 59800100 Plastic-Lined
- 59800200 Seamless
- 59800300 Stainless
- 59800400 Stainless, Seamless
- 59800500 Titanium
- 59800600 Titanium, Seamless
- 59800700 Zirconium
- 59800800 Zirconium, Seamless
- 59820 **Pipe Bending Services**
- Pipe Cleaning Services**—see *Maintenance Services*
- Pipe & Tube Machinery & Equipment**—also see *Cleaning Equip. (Tube Cleaning); Welding Equip.*
- 59850050 Bending, Pipe
- 59850100 Bending, Tube
- 59850150 Beveling, Pipe
- 59850200 Beveling, Tube
- 59850250 Crimpers, Tube
- 59850300 Cutting, Pipe
- 59850350 Cutting, Tube
- 59850400 Cutting, In-Place
- 59850450 Expanders, Tube, Hydraulic
- 59850500 Expanders, Tube, Mechanical
- 59850510 Instrumentation Tubing, Orbital Welding
- 59850530 Primary, Orbital TIG Welding
- 59850540 Rounding & Sizing
- 59850550 Threading, Pipe
- 59850600 Weld End Preparation
- Pipe Fittings**—see *Fittings*
- Pipe Flanges**—see *Flanges, Pipe*
- Pipe Hangers and Supports**
- Pipe Joints**
- Pipe Markers**—see *Markers, Pipe*
- Pipe & Lumbar Monitors**—see *Monitors, Radiation, Area & Special-Purpose*
- Pipe Pressure Tester**—see *Testers, Pressure, Pipe*
- 60450 **Pipe Whip Restraints**
- Pipe Wraps/Sleeves**—see *Shielding Materials*
- Pipeline Inspection**—see *Inspection Services*
- Piping Pulsation Dampeners**—see *Pulsation Dampeners*
- Piping Shock Absorbers**—see *Shock Absorbers, Piping; Snubbers*
- Piping Systems**—also see *Analysis; Computer Software; Consultants*
- 60900200 Design
- 60900300 Erection
- Planchet Changers, Automatic**—see *Health Physics Equipment*
- Planchets, Counting**—see *Health Physics Equipment*
- Plant Life Extension, Management**—see *Consultants; Maintenance & Repair Services*
- Plant Performance Analysis, Monitoring**—see *Analysis; Monitors, Other; Testing Services*
- 64120 **Plant Photodocumentation**—see *Video Services*
- Plant Safety**—see *Analysis; Consultants*
- Plastic Sheeting, Tubing**—see *Health Physics Equipment & Supplies; Protective Coverings*
- Platform-Mounted Nuclear Power Plants**—see *Power Plants, Nuclear, Platform-Mounted*
- Platforms, Work**—see *Work Platforms*
- Plating and Anodizing**
- Plotters**—see *Computers & Accessories; Data Readout Devices*
- Plugging**—see *Maintenance Services; Steam Generator Maintenance*
- Plugs**—also see *Decontamination Chemicals, Equip. & Services*
- 61570030 Condenser Tube
- 61570050 Control Rod Drive Housing
- 61570070 Feedwater Heater
- 61570100 Freeze Plugs
- 61570150 Hot & Cold Leg (Remotely Installed)
- 61570200 Isolation
- 61570210 Main Steam Line
- 61570220 Moisture Separator Reheater
- 61570230 Pipeline
- 61570250 Reactor Pressure Vessel Drain Line
- 61570270 Reactor Vessel Nozzle
- 61570300 Recirculation Outlet Nozzle
- 61570350 Steamline (Remotely Installed)
- 61570400 Stud Hole
- 61570500 System Test
- Plugs, Wall, Hot-Cell**—see *Hot-Cell Wall Plugs, Sleeves*
- 61800 **Pneumatic Mechanisms**
- Pneumatic Transfer Systems**—see *Transfer Systems*
- 62020 **Polishing Equipment, Precision**—also see *Lapping Equipment*
- Polishing Grits**—see *Abrasives*
- 62100 **Pool Inspection**—see *Insp. Serv.*
- Pool Liners**—see *Liners, Pool*
- Ponds, Spray**
- Portal Monitors**—see *Monitors, Radiation, Personnel (Doorway)*
- 62200 **Ports, Penetration**—also see *Penetrations*
- 62250 **Positioners, Load**
- Post-Accident Sampling Analyzers**—see *Analyzers*
- 62300 **Post-Tensioning Materials & Systems, Containment Structure**
- Post-Tensioning System Surveillance**—see *Maintenance Services*
- Powder Compacting Presses**—see *Presses*
- Power Apparatus Testing**—see *Test Equipment; Testing Services*
- Power Condition Monitoring**—see *Testing Services*
- Power Plant Control Equipment**—see *Control Equipment; Reactor Instrumentation*
- 63000 **Power Plants, Nuclear, Platform-Mounted**
- Power Supplies**—also see *Batteries; Generators; Inverters; Thermionic Devices; Thermoelectric*
- 63400050 AC
- 63400100 DC
- 63400150 High-Frequency
- 63400200 High-Voltage
- 63400250 Instrument
- 63400270 Power Line Conditioner
- 63400300 Stand-by
- 63400400 Uninterruptible (AC-DC-AC)
- 63800 **Preamplifiers**
- 64000 **Presses, Pellet & Slug Forming, Powder Compacting**
- Pressure Indicators**—see *Indicators; Meteorological Equipment*
- Pressure Testers, Pipe**—see *Testers, Pressure, Pipe*
- Pressure Transducers**—see *Transducers*
- Pressure Vessel Flanges & Nozzles**—see *Flanges; Nozzles*
- Pressure Vessel Shells**—see *Shells*
- Pressure Vessels**—see *Vessels*
- Pressurizers, Reactor**
- Preventive Maintenance**—see *Computer Software; Consultants; Maintenance Services*
- Printers**—see *Computers & Accessories; Data Readout Devices*
- Probes, Radiation**—see *Detector Heads; Counters, Detectors*
- Process Irradiation Facilities**—also see *Generators, Electron; Irrad. Serv.; Irradiators*
- 64190100 Electron Beam
- 64190200 Gamma
- Processing Columns**—see *Columns*
- Procurement Support**—see *Consultants*
- Project Management**—see *Computer Serv.; Computer Software; Consultants; Training*
- Proportioners, Gas**—see *Gas Handling Equipment*
- Protective Clothing**—see *Clothing*
- Protective Coatings**—see *Coatings; Maintenance Services*
- 64300 **Protective Coverings & Tarpaulins**
- Psychological Testing**—see *Testing, Psychological*
- 64312 **Public and Community Relations**
- 64315 **Publications**
- 64320 **Pulsation Dampeners, Piping**
- Pulse Amplifiers**—see *Amplifiers*
- Pulse Generators, Signal**—see *Generators*
- Pump Casings, Primary Coolant**—see *Casings*
- Pump Inspection & Repair**—see *Maintenance & Repair Services*
- Pumps, Centrifugal**
- 64700040 Condensate & Circulating Water
- 64700090 Engineered Class III
- 64700110 Heater Drain
- 64700140 Non-Code Radwaste
- 64700200 Nuclear Class II
- 64700240 Primary Coolant

64700290 Reactor Feed
 64700310 Service Water, Non-Code
 64700320 Service Water, Nuclear Class III
 64700340 Small Class III Including Radwaste

Pumps, Other
 64750050 Air-Operated
 64750100 Containment Air/Gas Sampling
 64750120 Diaphragm, Hydraulically Actuated
 64750150 Hand-Operated
 64750200 High-Pressure
 64750300 Hydraulic
 64750400 Jet
 64750500 Metering & Proportioning
 64750600 Positive-Displacement
 64750650 Sealless Reciprocating
 64750700 Slurry
 64750800 Sodium
 64750850 Special-Purpose
 64750900 Vacuum

Purifiers, Gas—see *Gas Handling Equipment*

Q

Quality Assurance Services—also see *Computer Services; Computer Software; Consultants; Training*
 66200100 ISO 9001=2000

R

Racks, Fuel Storage—also see *Storage Systems, Spent-Fuel*
 66280100 Conventional
 66280200 High-Density

Radiation Absorbers—see *Absorbers; Neutron Absorbers; Sorbents*

Radiation Counters—see *Counters; Detector Heads; Health Phys. Equip.; Monitors; Ratemeters*

Radiation Detection Films—see *Monitors, Radiation, Personnel*

Radiation Detectors—see *Counters, Detectors; Detector Heads; Health Phys. Equip.; Monitors*

Radiation Dosimeters—see *Health Physics Equip.; Monitors, Radiation, Personnel*

Radiation-Dosimetry Phantoms—see *Health Physics Equipment*

Radiation Indicators—see *Counters; Detector Heads; Monitors; Reactor Instrumentation*

Radiation Management—see *Consultants; Health Physics Serv.; Records Mgmt. Systems; Training*

Radiation Monitoring Serv.—also see *Audits; Envir. Monitoring; Health Phys. Serv.; Sampling*
 67380100 Analog Systems
 67380200 Design, Retrofit
 67380300 Digital Systems
 67380400 Maintenance
 67380500 Mobile (Vehicular)
 67380600 Sample Encapsulation
 67380700 Smear Sampling, Area/Environmental
 67380800 Testing & Calibration

Radiation Monitors—see *Monitors, Radiation, Area; Monitors, Radiation, Personnel*
 69130
 69140

Radiation Probes—see *Detector Heads; Counters, Detectors*

Radiation Protection Recordkeeping Systems—see *Computer Software; Records Management Systems*

Radiation Protection Training—see *Health Physics Services; Training*

Radiation-Shielded Containers—see *Containers*

Radiation-Shielded Doors—see *Doors*

Radiation Shielding—see *Metals, Lead; Neutron Absorbers; Shielding; Windows*

Radiation Standards—see *Radioisotopes*

Radioactive Source Encapsulation—see *Encapsulation; Radiation Monitoring Services*

Radioactive Waste Disposal, Low-Level—see *Waste Management Services*

Radioactive Waste Management Services—see *Waste Management Services*

Radioactive Waste Handling & Treatment Equip.—also see *Ion Exchange; Solid Waste Reduction*
 68000100 Calciners
 68000200 Compactors
 68000250 Concentrators (Cross-Flow Filter)
 68000270 Crushers, Scintillation Vials
 68000280 Drum Capping Machines, Remote
 68000310 Drum Cutting Machines
 68000340 Drum Washing Systems, Automatic
 68000360 Evaporators
 68000400 Furnaces for Glass Melting
 68000420 Gas Compressors
 68000450 Incinerators
 68000470 Liners
 68000500 Packaging
 68000510 Robotic
 68000520 Secondary Containment Products
 68000550 Shredders (Volume Reduction)
 68000600 Solidification
 68000650 Sorters, Sorting Tables
 68000690 Storage Systems, On-Site, High-Level
 68000700 Storage Systems, On-Site, Low-Level
 68000800 Waste Tracking & Accountability Systems (Computerized)

Radiobiological Equipment—see *Health Physics Equipment*

Radiochemistry—see *Equipment Rental; Health Physics Services; Training*

RF Equipment—see *Fusion Reactor Components & Systems*

Radiographic Equipment & Accessories—also see *Imaging, Digital*
 68800100 Gamma Ray
 68800200 Neutron
 68800300 X-ray

Radiography (Services)
 68900100 Gamma
 68900200 Neutron

Radioimmunoassay—see *Health Physics Services*

Radioisotopes
 68950050 Calibration Standards
 68950100 Foils
 68950120 Gases, Calibration
 68950150 Labeled Compounds
 68950200 Primary & Processed
 68950250 Radiation Standards
 68950300 Radiochemicals
 68950350 Radioisotopes, Medical
 68950400 Radiopharmaceuticals
 68950420 Recycling
 68950450 Sealed Sources

Radiological Containment Enclosures—see *Health Physics Equipment*

Radiological Engineering—see *Consultants; Health Phys. Serv.*

Radiopharmaceuticals—see *Radioisotopes*

Radios—see *Communication Systems; Emergency Warning Systems*

Radon Detection—see *Monitors, Radiation, Area*

Railroad Cars—see *Cars, Railroad*

Ratemeters, Counting

Ratemeters-Scalars

Reactor Cavity Pool Seals—see *Seals*

Reactor Containment Structures—see *Containment Structures, Reactor*

Reactor Core Structural—see *Core Structural*
 71300

Reactor Cores—see *Cores, Reactor*

Reactor Heat Recovery Level Monitors—see *Monitors, Other than Radiation*
 71500

Reactor Instrumentation & Monitoring Systems—also see *Electronic Instrumentation*
 71700
 69600050 Boron Monitoring Systems
 69600100 Control Panels & Ancillary Equipment
 69600150 Diagnostic Instrumentation
 69600200 Flow Measurement Systems
 69600220 Flux-Mapping Systems
 69600240 Gamma Thermometers, Reactor PowerMonitor

69600260 Inadequate Core Cooling (ICC) Monitoring Systems
 69600300 Isotopic Analysis Systems
 69600400 Neutron Monitoring Systems
 69600450 Protection Systems, Reactor
 69600500 Radiation Monitoring Systems
 69600520 Reactor Temperature Scanning
 69600540 Reactor Vessel Level Monitoring Systems
 69600560 Redundant Signal Selector Systems
 69600580 Rod Control/Drive Systems
 69600600 Rod-Position Indication Systems
 69600650 Safety Parameter Display Systems
 69600700 Stability Monitoring Systems

Reactor Period Meters—see *Meters*

Reactor Pressure Vessels—see *Vessels*

Reactor Axial Offset Meters—see *Meters*

Reactor Safety Analysis—see *Analysis; Consultants*
 70600

Reactor Safety Research

Reactor Service Tools & Devices—also see *Tools*
 70650100 Camera (CCTV) Manipulator Tools
 70650200 Component Shielding
 70650300 Control Element Assembly Handling Tools
 70650400 Control Rod Drive Handling Equipment
 70650430 Core Plug Removal Tool
 70650450 Flux Thimble Removal & Cleaning Equipment
 70650500 Local Power Range Monitor (LPRM) Cutting Tools
 70650510 LPRM Benders
 70650520 LPRM Handling Tools
 70650540 LPRM Strongbacks
 70650570 Nut Runner & Handling Tool, RPV
 70650600 Reactor Pool Cleaning Equipment
 70650650 Reactor Vessel Cleaning Machine
 70650700 Retrieval Tools
 70650750 Rod Control Cluster Assembly Handling Tools
 70650800 Seal Surface Cleaning Equipment, RPV
 70650850 Special-Purpose Tools
 70650900 Stud/Nut Cleaning Equipment, RPV
 70650910 Stud/Nut Removal Systems, Non-RPV
 70650950 Stud Removal Systems, RPV
 70650980 Under-Vessel Transfer System
 70670

Reactors, Heating

Reactors, Power—see *Nuclear Steam Supply Systems*
 70900

Reactors, Research & Training

Rebar—see *Construction Materials*

Recirculation Outlet Nozzle Plugs—see *Plugs*

Recombiners

Recorders—see *Data Readout Devices; Monitors; React. Instrum.; Records Mgmt. Systems*

Recording Charts, Pens—see *Data Readout Devices & Accessories*

Records Management Systems—also see *Computer Software; Imaging, Digital*
 71190020 Configuration Management
 71190030 Document Storage & Retrieval
 71190050 Drawing Control
 71190100 Health Physics
 71190200 Operations Recording
 71190300 Spare Parts
 71190400 Training

Recruitment—see *Employment*

Redundant Signal Selector Systems—see *Reactor Instrumentation & Monitoring*

Refacing Equipment—see *Flange Refacing; Heat Exchangers*

Reference Standards, Metal—see *Corrosion Coupons*

Refractories, High-Purity, High-Temperature

Refrigeration—also see *Air-Conditioning; Cooling Systems, Body; Sample Coolers*

Refueling Equipment—see *Fuel Handling Equipment*

Refueling Services

Regeneration, Resin—see *Waste Management Services*

Regulators, Air Pressure

Regulators, Feedwater—see *Regulatory Compliance*—see *Consultants; Health Physics Services; Maintenance & Repair Serv.*

- Reheaters**—see *Moisture Separators & Reheaters*
- Reinforcing Bar (Rebar)**—see *Construction Materials*
- Relays**—see *Electrical Distribution & Control Equipment*
- Reliability**—see *Analysis; Computer Software; Consultants; Training*
- Remote Control, Handling & Positioning Devices & Sys.**—also see *Robotic Devices; Manipulators*
- 72300050 Artificial Intelligence/Expert Systems
72300070 End Effectors, Grippers, & Wrists
72300100 Remote Control
72300200 Remote Handling
72300300 Remote Positioning
72300400 Robotics
- Remote Manipulators**—see *Manipulators*
- Remote-Viewing Instruments & Systems**—also see *Fiber Optic; Imaging, Digital; TV Systems*
- 73300100 Binoculars
73300200 Borescopes, Flexible
73300300 Borescopes, Rigid
73300350 Infrared
73300370 Monocular Scopes, Viewing/ALARA
73300400 Periscopes
73300500 Radiation-Resistant
73300600 Submersible
73300700 Telescopes
- Rental, Equipment**—see *Equipment Rental*
- Repair Services**—see *Health Phys. Serv.; Maint. & Repair Serv.; Steam Generator Maint.*
- Replacement Parts**—see *Spare & Replacement Parts*
- 73350 **Reprocessing Equipment, Fuel**
73400 **Reprocessing, Fuel**
- Research, Reactor Safety**—see *Reactor Safety Research*
- 73450 **Research Reactors**—see *Reactors*
- Research Services, Nuclear**—also see *Consultants; Information Services*
- Resin Regeneration**—see *Waste Management Services*
- Resins, Ion-Exchange**—see *Ion-Exchange Materials*
- Resistance Temperature Detectors**—see *Detectors; Test Equip.; Testing Services*
- Respirator Fit Testing**—see *Health Physics Services*
- Respirator Tracking Systems**—see *Health Physics Equipment*
- Respiratory Equipment Cleaning, Repair & Testing**—see *Health Physics Services*
- Respiratory Protection Equip.**—also see *Audits; Clothing, Protective; Health Physics Services; Test Equipment*
- 73550100 Air Purification Systems
73550200 Compressors
73550300 Fit-Testing Systems
73550400 Respirator Cleaning Systems
73550450 Respirator Drying Systems
73550500 Respirators, Air-Line
73550600 Respirators, Air-Purifying
73550620 Respirators, Combination Type
73550650 Respirators, Powered Air-Purifying
73550660 Resuscitators
73550700 Self-Contained Breathing Apparatus
73550705 SCBA Boost Pumps
73550710 SCBA (Escape)
73550720 SCBA Filling Stations
73550730 SCBA Flow Testing & Services
73550740 SCBA Software
73550800 Storage Systems (Cleaned Equipment)
73550900 Vessels, High-Pressure, Air
- Restraints**—see *Pipe Whip Restraints; Seismic Restraints*
- 73570 **Rigging Specialists**
- Rings, Contraction**—see *Welding Equipment & Supplies*
- 73590 **Rings, Retaining**
- Risk Analysis**—see *Analysis*
- Robotic Devices, Systems**—also see *Cable, Electrical; Manipulators; Remote Control*
- 73620100 CAD-Driven
73620200 Condenser, In-Service Inspection
73620250 Force/Torque Sensors
- 73620300 Reactor Vessel Head, ISI
73620400 Submersible
- Roll-Formed Metal Components, Shapes**—see *Metal Components*
- Roll Mops, Tacky**—see *Health Physics Equipment*
- Rollers**
- Rolling Systems**
- Root Cause Analysis**—see *Analysis; Training*
- Rotating Machinery Maintenance**—see *Alignment Systems; Maintenance & Repair Services*
- 73720 **Rubber Lining Services**
73730 **Rupture Disks, Safety Heads**
73750 **Rust Removers**
-
- S**
- 73770 **Safeguard Systems**
- Safes**
- 73790100 Isotope
73790200 Thermoluminescent Dosimeter (TLD)
- Safety Analysis**—see *Analysis; Consultants; Inspection Services; Training*
- Safety Belts**—see *Fall Protection*
- Safety Heads, Rupture Disks**—see *Rupture Disks*
- Safety Parameter Display Systems**—see *Reactor Instr. & Monitoring Systems*
- Safety Research, Reactor**—see *Reactor Safety Research*
- Sample Casks, Post-Accident**—see *Containers*
- 73900 **Sample Changers**
73950 **Sample Coolers**
- Sample Transfer Systems**—see *Transfer Systems*
- Samplers & Sampling Systems**
- 74150050 Air (Carried by Personnel)
74150100 Air Particulate
74150200 Automatic Systems
74150300 Evaporator Concentrate
74150500 Gas
74150550 Iodine
74150600 Liquid
74150650 Metallurgical
74150700 Real-Time Remote
74150800 Stack Sampling
74320 **Sampling Systems Services**—also see *Radiation Monitoring Services*
- Scabbling, Concrete**—see *Concrete Breaking, Drilling; Decontamination Chemicals & Equipment*
- Scaffolding**—also see *Shoring; Training*
- 74350020 Conventional
74350040 Modular
74350060 Scaffold Plank
74350080 Suspended Type
74350100 Tube & Clamp Type
74400 **Scalers**—also see *Ratemeters-Scalers*
- Scales, Weighing, Nuclear**
- 74600030 Cellular Weighing
74600050 Lift Truck
74600070 Overhead Crane
74600090 Tension Dynamometers
74600100 Wheel Weighers
- Scanners, Isotope Distribution**—see *Health Physics Equipment*
- Scintillation Glasses**
- Scintillation Plastics**
- Scintillation Solution, Liquid**
- Scintillators**—see *Counters; Detector Heads*
- 76400 **Scopes, Viewing**—see *Remote-Viewing Instruments*
76600 **Scrap Melting**—see *Waste Management Services*
- 76800 **Screening, Investigation**—see *Consultants; Security Services*
77000 **Screening, Psychological, Security**—see *Consultants; Security Serv.; Testing, Psychological*
- Screens, Traveling**—see *Water Intake Facilities*
- Seal Reconditioning**—see *Lapping Equip.; Polishing Equip.; Reactor Serv. Tools*
- 75190050 **Sealed Sources**—see *Radioisotopes; Testing Services; Waste Mgmt. Services*
- Sealers, Heat**—see *Heat Sealing Equipment*
- Seals**—also see *Bellows, Metal; Decontamination Chemicals & Equipment; Plugs*
- 75190050 Ceramic-Metal Assemblies
75190080 Equipment Storage Pool
75190100 Flat Gasketing
75190120 Flat Gasketing, Radiation-Resistant
75190150 Hydraulic
75190200 Inflatable
75190220 Inspection Port
75190250 Mechanical, Shaft
75190260 Mechanical, Shaft, Reactor Circulating Pump
- 75190300 Metal (O-Rings, C-Rings, etc.)
75190320 Nuclear Instrumentation Cover
75190350 Penetration
75190370 Reactor Cavity Pool
75190380 Sealing Systems, Compressed Rubber
75190400 Sealing Systems, Fluid
- Secondary Containment Products**—see *Rad. Waste Handling & Treatment Equip.*
- Security Doors**—see *Doors*
- Security Enforcement Products**
- 75500 **Security for Emergencies and Evacuation**
75550 † **Security Services**—also see *Audits; Computer Software; Consultants; Testing, Psych.; Training*
- 75600050 Analysis
75600080 Engineering
75600100 Guards
75600150 Screening & Investigation
- Security Structures**
- 75700005 Badge Drops, Bullet-Resistant
75700010 Barbed Wire, Tape
75700030 Barrier-Gates
75700050 Fences
75700070 Gate Operators
75700090 Gates
75700100 Guard Stations
75700105 Gunports, Bullet-Resistant
75700110 Lockers, Weapon Storage
75700120 Security Booths (Man-Trap)
75700140 Turnstiles
75700150 Wall Panels, Bullet-Resistant
75700200 Windows, Bullet-Resistant
- Security Systems & Devices**—also see *Computer Software; Consultants; Detectors, Explosives*
- 75850050 Anti-Intrusion, Indoor
75850100 Anti-Intrusion, Outdoor
75850350 Asset Protection (Anti-Removal), Electronic
75850400 Automated Security Patrol Robot
75850500 Computerized
75850550 Fully Integrated
75850560 Homeland Security Equipment & Services
75850570 Intruder Detection (Laser, Microwave/Infrared)
- 75850600 Metal (Weapon) Detectors
75850650 Night Vision Scopes & Devices
75850700 Personal Alarm
75850750 Personnel Access Control
75850800 Vehicle Access Control
75850830 Video Surveillance Systems (CCTV)
75850850 Video Transmission Systems
75850900 Water Intake, Anti-Intrusion
75850950 X-ray Inspection Systems
- Seismic Analysis, Qualification**—see *Analysis; Consultants; Testing Services; Training*
- Seismic Instrumentation & Testing**
- Seismic Restraints**—also see *Snubbers; Tubing Clamps, Supports*
- Selenium**
- Semiconductor Devices**
- Sensors**—also see *Detectors; Transducers*
- 77250100 Acoustic
77250200 Force & Torque
77250300 Temperature
77250400 Vibration
- Sensors, Neutron**—see *Neutron Detectors*
- Separation Plants & Equipment, Isotope**—see *Isotope Separation Plants*

- Separators**—see *Compressed Air Systems; Moisture Separators; Steam Separators*
- 77600 **Servomechanisms**
- Shears, Velocity Limiter**—see *Solid Waste Reduction Equipment*
- Sheeting, Plastic**—see *Health Physics Equipment & Supplies; Protective Coverings*
- 77700 **Shells, Pressure Vessel**
- 77750 **Shielding Design, Radiation**—also see *Analysis; Consultants*
- Shielding Materials, Rad.**—also see *Containers; Doors; Metals, Lead; Neut. Absorbers; Windows*
- 77800030 Acrylic Sheeting Products, Beta-Shielding
- 77800050 Aggregates, High-Density Concrete
- 77800100 Blankets
- 77800150 Blocks, Concrete, Lead-Core
- 77800200 Blocks, Modular
- 77800220 Boron Carbide Grain & Shapes
- 77800250 Bricks, Composite
- 77800300 Bricks, Lead
- 77800350 Castable Shielding Materials
- 77800400 Castings, Composite
- 77800450 Castings, Lead
- 77800470 Castles, Lead
- 77800500 Collars, Streaming
- 77800550 Container Wraps
- 77800600 Criticality Control
- 77800620 Curtain Shields
- 77800650 Frisker Shields
- 77800670 Gamma/Neutron Composite
- 77800690 Glass, X-ray
- 77800710 In-Vessel Shields
- 77800715 Lead Free
- 77800720 Lead Plastic
- 77800730 Low-Level Shields, Lead/Steel
- 77800750 Pipe Wraps/Sleeves
- 77800800 Plugs, Closures
- 77800805 Polyethylene
- 77800807 Polyethylene, Borated
- 77800820 Refueling Shields
- 77800850 Thermal Neutron Materials
- 77800870 Tungsten Alloys
- 77800900 Wall Panels
- 77800950 Water Shields, Modular (Gamma/Neutron)
- 77830 **Shim Stock**
- Shipping Containers**—see *Containers*
- Shirts**—see *Clothing, Protective*
- 77860 **Shock Absorbers, Piping (Water Hammer)**—also see *Snubbers*
- Shoes, Shoe Covers**—see *Clothing, Protective*
- 77900 **Shoring**—also see *Scaffolding*
- Signal Generators**—see *Generators, Signal*
- Signals, Warning**—see *Alarms*
- Signs, Warning, Radiation**—see *Health Physics Equipment & Supplies*
- 78100 **Silencers, Steam Safety Valve**
- 78200 **Silicone**
- 78400 **Simulators, Power Plant & Reactor**—also see *Consultants; Mockup Design*
- 78450 **Simulators, Radiation**
- Single-Channel Analyzers**—see *Analyzers*
- Sirens**—see *Emergency Warning Systems; Inspection Services; Testing Services*
- Siting**—see *Analysis; Consultants*
- 78700 **Sleeves, Wall (Pipe)**—also see *Hot Cell Wall Plugs, Sleeves*
- Sludge Analyzers**—see *Analyzers*
- Slurry Pumps**—see *Pumps, Other*
- Smears, Swipes**—see *Health Physics Equipment & Supplies*
- Snubber Repair**—see *Maintenance & Repair Services; Testing Services; Training*
- Snubbers**
- 79000030 Fuel Storage Rack
- 79000050 Gauge
- 79000070 High-Vibration
- 79000080 Hydraulic
- 79000100 Large Equipment
- 79000150 Pipe Support
- 79200 **Sodium-Handling Equipment**
- Sodium Hypochlorite Generators**—see *Water Treatment Equipment*
- Sodium Pumps**—see *Pumps, Other*
- Software, Computer**—see *Computer Software*
- 79350 **Solenoids**
- Solid Waste Reduction Equipment & Tools, Radioactive**
- 79360050 Containment
- 79360100 Control Rod Crushers, Reducers
- 79360200 Neutron Window Reducers
- 79360250 Packaging
- 79360300 Stellite Ball Punches
- 79360400 Underwater Reduction Tools
- 79360500 Velocity Limiter Shears
- Sorbents**
- 79370100 Environmental Spill
- 79370400 Liquid Radwaste
- Source Encapsulation**—see *Encapsulation; Rad. Monitor. Serv.*
- Sorters, Sorting Tables, Radwaste**—see *Radioactive Waste Handling*
- Sources, Ion**—see *Ion Sources*
- Sources, Radioactive**—see *Radioisotopes; Testing Services*
- 79740 **Spare & Replacement Parts (Secondary Sources)**
- Spare Parts Systems**—see *Consultants; Records Management Systems*
- Spectrometers**—see *Mass Spectrometers; Neutron Spectrometers*
- 79850 **Spectroscopy Systems**—also see *Amplifiers*
- Spent-Fuel Consolidation**—see *Fuel Element Consolidation*
- Spent-Fuel Reprocessing**—see *Reprocessing*
- Spent-Fuel Storage**—see *Racks; Storage Services; Storage Systems, Spent-Fuel*
- Spray Nozzles**—see *Nozzles*
- Spray Ponds**—see *Ponds*
- 80200 **Splitters, Electronic Signal**—also see *Electronic Instrumentation & Supplies*
- 80400 **Springs**
- Stability Monitoring Systems**—see *Reactor Instrumentation & Monitoring Systems*
- Stack Effluent Monitors**—see *Monitors, Radiation, Area*
- 80520 **Stacks, Off-Gas**
- Stair Treads**—see *Gratings*
- Standards**
- Staffing**—see *Employment/Personnel Support Services*
- 80565600 Testing
- Standards, Radiation**—see *Radioisotopes*
- Stand-by Generators**—see *Generators*
- Starters**—see *Electrical Distribution & Control Equipment*
- 80600 **Startup Services**
- Steam Analyzers**—see *Analyzers*
- Steam Condensers**—see *Condensers; Condensing Pots*
- Steam Generator Leak Rate Monitors**—see *Monitors, Other Than Radiation*
- Steam Generator Maintenance & Repair**
- 80730100 Cleaning
- 80730150 Computer Software
- 80730170 Eddy Current Testing
- 80730185 Girth Weld Maintenance
- 80730200 In-Service Inspection
- 80730250 Manway Cover Handling Equipment
- 80730280 Nickel Electroplating
- 80730290 Penetrations, Nozzles, & Handholds
- 80730300 Plugging
- 80730350 Replacement
- 80730400 Sleevings
- 80730450 Tube Expansion
- 80730500 Tube Extraction
- 80730550 Tube Heat Treatment
- 80730600 Tube Shot Peening
- Steam Generator Nozzles, Nozzle Dams**—see *Nozzles*
- Steam Generator Sleeves**—see *Tubing*
- Steam Generators, Power Plant**
- Steam Generators, Stand-by, Auxiliary**
- Steam Separators, Power Plant**
- Stellite Ball Punches**—see *Solid Waste Reduction Equipment*
- Stem Gland Packing Systems**—see *Valve Stem Gland Packing Systems*
- 81600 **Stills, Water**
- Storage Facilities, Waste**—see *Radioactive Waste Treatment Equipment*
- Storage Racks, Fuel**—see *Racks, Fuel Storage*
- Storage Services**
- 81680100 Equipment
- 81680200 Fresh Fuel
- 81680300 Spent Fuel
- 81680400 Uranium, Enriched
- 81680500 Uranium, Natural
- Storage Systems, Energy**—see *Energy Storage Systems*
- Storage Systems, Spent-Fuel**—also see *Containers; Racks*
- 81710100 Dry
- 81710200 Wet
- Storage Tank Diaphragms**—see *Diaphragms, Storage Tank*
- Storage Tanks**—see *Tanks*
- Strain Gauge Testing**—see *Testing Services*
- Strainer/Sump Blockage Analysis**—see *Analysis*
- Strainers**—also see *Interceptors*
- 81790025 ECCS
- 81790100 Lubricating Oil, Basket, Manual
- 81790150 Solids, Hair, Debris
- 81790200 Suppression Pool
- 81790300 Water, Automatic
- 81790400 Water, Basket, Manual
- Straining Filters, Cloth**—see *Filters*
- Strapping Tape, Reinforced (Nuclear)**—see *Tape*
- Streaming Collars**—see *Shielding Materials*
- Stress Analysis**—see *Analysis*
- Stress, Personnel**—see *Consultants; Health Phys. Serv.; Security Serv.; Testing, Psych.*
- 82200 **Stress-Relieving Equipment**—also see *Furnaces*
- Strip Chart Recorders**—see *Data Readout Devices*
- Structural Analysis**—see *Analysis*
- Structural Supports, Component**
- Structurals, Reactor Core**—see *CoreStructurals*
- Structures, Fabric, Tensioned**
- Stud Drive Tool**—see *Tools*
- Stud Hole Plugs**—see *Plugs*
- Stud Removal Systems (RPV)**—see *Reactor Service Tools*
- Stud Tensioners**—see *Tensioners*
- Studs**—see *Fasteners*
- Sump/Strainer Blockage Analysis**—see *Analysis*
- Superconducting Wire**—see *Wire*
- Superheaters, Power Plant**—also see *Desuperheaters*
- Support Services, Technical & Professional**—see *Employment; Health Physics Services*
- Support Structures, Fuel Element**—see *Grids*
- Supports**—see *Brackets, Supports; Pipe Hangers & Supports*
- Surface-Conditioning Products (Cleaning, Touchup, Weld Prep, etc.)**—see *Abrasives, Non-Woven*
- Survey Meters**—see *Monitors, Radiation, Area*
- Swipes**—see *Health Physics Equipment & Supplies*
- Switchboards (Power Distribution)**—see *Electrical Distribution & Control Equipment*
- Switches**
- 82950020 Differential
- 82950030 Float
- 82950040 Flow
- 82950080 High-Temperature
- 82950120 High-Voltage
- 82950160 Key-Operated
- 82950200 Knife
- 82950240 Limit
- 82950280 Liquid Level
- 82950320 Magnetic
- 82950360 Mercury
- 82950400 Momentary Contact
- 82950440 Power
- 82950480 Pressure
- 82950500 Pressure, Differential
- 82950520 Programmable

- 82950560 Proximity Limit
82950600 Push Button
82950640 Reed
82950680 Rocker
82950720 Rotary
82950740 Safety
82950760 Slide
82950800 Solenoid
82950840 Solid-State
82950860 Temperature
82950880 Toggle
82950920 Vacuum
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- T**
- Tables, Sorting**—see *Radioactive Waste Handling & Treatment Equip.*
- 83110 **Tags & Labels (Warning, Inventory, etc.)**—also see *Bar Coding Devices & Supplies; Health Physics Equipment & Supplies*
- 83120 **Tags, Valve**
Tank Linings—see *Liners, Pool*
Tanks, Storage—also see *Diaphragms, Storage Tank; Inspection Services*
- 83150100 Aluminum
83150200 Glass Fiber
83150300 Plastic
83150400 Rubber, Collapsible
83150500 Steel
83150600 Steel, Stainless
- Tantalum**—see *Metals, Other*
- Tape**
- 83210100 Cloth, Nuclear
83210150 Electrical Splicing Tape
83210200 Foam
83210300 Moisture-Sensitive
83210400 Reinforced Strapping, Nuclear
83210500 Warning, Luminescent
- Targets, Accelerator**—see *Accelerators & Accessories*
- Tarpaulins**—see *Protective Coverings*
- Team Building**—see *Training*
- Technical Support Services**—see *Employment; Health Physics Services*
- Telerobotics**—see *Computer Software; Remote Control; Remote Viewing; Robotic Devices*
- Telescopes**—see *Remote-Viewing Instruments*
- Television Systems (CCTV)**—also see *Imaging, Digital; Security Systems; Video Services*
- 83600100 Conventional
83600200 High-Temperature
83600300 Miniature (Remote Viewing)
83600350 Pipe Inspection
83600400 Underwater, Color, High-Radiation
83600500 Welding Arc Viewing (Color)
- Tellurium**—see *Metals, Other*
- Temperature Indicators**—see *Indicators*
- Temperature Monitors**—see *Monitors*
- Temperature Sensors**—see *Meteorological Equipment; Sensors*
- Temperature Transducers**—see *Transducers*
- Tensioning, Bolt**—see *Maintenance Services*
- 84000 **Tensioners, Stud, Hydraulic**
- Tents**—see *Structures, Fabric, Tensioned*
- 84100 **Terminal Blocks**
- Test Equipment & Supplies**—also see *Health Physics Equip.; Nondestructive Testing*
- 84150020 Automated
84150040 Capacitance Strain Gauging
84150120 Coating Porosity Detection
84150140 Coating Thickness Gauging
84150160 Concrete Inspection
84150190 Eddy Current
84150210 Electric Motors
84150220 Electrical Systems & Components
84150240 Environmental
84150280 Ferrite Detection (SS Welds)
84150300 Fiber Optic
84150320 HEPA Filter
84150340 Infrared Imaging
84150380 Instrumentation & Control
84150400 Leak-Rate, Local
84150430 Manual
84150450 Mask Function
84150480 Materials
- 84150580 Nondestructive
84150630 pH Measurement
84150680 Portable
84150700 Power Apparatus
84150720 Resistance Temperature Detectors
84150750 Stationary
84150800 Structures/Components
84150850 Ultrasonic
84150860 Ultrasonic Couplant
84150900 Vacuum Leak Testers, Tube
84150920 Valve
84150930 Valve, Motor-Operated, Diagnostic
84150940 Valve, Solenoid Operated, Diagnostic
84150950 Vibration
- 84430 **Test Loops**—see *Loops, Test*
- Testers, Pressure, Pipe**
- Testing, Nondestructive**—see *Nondestructive Testing; Training*
- 84550 **Testing, Psychological**—also see *Consultants; Security Services*
- Testing Services**—also see *Analysis; Filter Serv.; Maintenance Serv.; Nondestructive Testing*
- 84600020 Alloy Identification (On-Site)
84600030 Balance-of-Plant Systems
84600040 Coatings
84600050 Components, Reactor
84600100 Components, Other
84600150 Containment Structural Integrity Testing
84600200 Corrosion Detection
84600250 Electric Motors
84600290 Electrical Systems & Components
84600300 Electromagnetic Compatibility
84600310 Environmental Qualification
84600320 Equipment Condition Monitoring
84600330 Fatigue
84600360 Fire Resistance/Flammability
84600380 Flow
84600390 Fracture Mechanics
84600420 Fuel, Irradiated
84600430 Heat Transfer, Condenser Performance
84600440 Infrared
84600450 Instrumentation & Control
84600500 Laminar Flow Facilities
84600510 Leak Detection, Tube
84600520 Leak, Nuclear Gauge
84600540 Leak, Radioactive Sealed Source
84600550 Leak-Rate, Integrated
84600560 Leak-Rate, Local
84600600 Materials
84600610 Neutron Attenuation
84600620 Nondestructive
84600640 Nuclear Systems
84600650 Photometric Testing
84600660 Plant Performance
84600680 Plastics/Polymers
84600710 Power Apparatus
84600720 Power Condition Monitoring
84600760 Pumps
84600765 Quality Services
84600770 Resistance Temperature Detectors
84600780 Sealed Sources (Pressure, Temperature)
84600840 Seismic
84600860 Siren Systems
84600890 Snubber
84600910 Strain Gauge
84600920 Structures
84600940 Transport Containers
84600960 Turbulent Flow
84600970 Ultrasonic
84600980 Vibration
84600990 Wall Thinning Detection, Tube
- Thermal Analysis**—see *Analysis*
- Thermal Hydraulics**—see *Consultants (Heat Transfer & Fluid Flow)*
- 84800 **Thermionic Devices**
- Thermionic Materials**
- Thermocouples**—also see *Connectors*
- Thermoelectric Devices**
- Thermoelectric Materials**
- Thermometers**—see *Indicators; Monitors, Temperature; Sensors, Temperature*
- Thermometers, Gamma**—see *Reactor Instrumentation*
- Thermoluminescent Dosimeter**
- Safes**—see *Safes*
- Thermoluminescent Dosimeter (TLD) Services**—see *Health Physics Services*
- Thermoluminescent Dosimeters**—see *Monitors, Radiation, Personnel*
- Thermonuclear**—see *Fusion Reactor Components & Systems*
- 85700 **Thermowells, Resistance Temperature Detector**—also see *Detectors, Resistance Temperature*
- 85800 **Thorium**
- Ties, Cable**—see *Cable Ties*
- Time-of-Flight Analyzers**—see *Analyzers*
- Time-to-Pulse-Height Converters**—see *Converters*
- 86000 **Tissue-Equivalent Materials**
- Titanium**—see *Metals, Other*
- Titration Systems**
- Tool Control Services**
- Tool Monitors, Radiation**—see *Monitors, Radiation, Area & Special-Purpose*
- Tools**—also see *Reactor Service Tools; Wrenches*
- 86130050 Custom-Made
86130100 Electric
86130150 Hydraulic
86130200 Pneumatic
86130250 Stud Drive (for Reactor Closure)
86130300 Vacuum-Assisted
86150 **Torque Indicators**—also see *Robotic Devices; Sensors*
- 86200 **Towers, Cooling**—also see *Heat Sinks, Ultimate*
- Toxicology, Industrial**—see *Health Physics Services*
- Trailers, Mobile**—see *Health Physics Equipment (Decon Trailers); Laboratories, Mobile*
- Trailers, Spent-Fuel Transport**
- Trailers, Transport**
- Training**—also see *Consultants; Health Physics Services; Training Centers; Training Materials*
- 86300020 Air Treatment
86300030 Auditing, Codes & Standards
86300040 Auditing, Environmental
86300050 Chemistry
86300080 Communications
86300100 Computer Users/Computer Personnel
86300120 Construction Management Personnel
86300150 Crane & Rigging Safety
86300160 Emergency Planning & Response
86300180 Engineering Management
86300190 Engineers, Electrical
86300210 Engineers, Mechanical
86300230 Engineers, Structural
86300250 Environmental Laws & Regulation
86300320 Equipment Qualification
86300330 Fire Protection
86300350 Fitness-for-Duty, Behavioral Observation
86300370 Fuel Cycle/Performance Analysis
86300380 Fuel Transport/Storage
86300390 HVAC Maintenance
86300410 Instructors, Classroom & Simulator
86300420 Leadership Development
86300430 Licensing
86300440 Maintenance
86300460 Management
86300480 Nondestructive Testing
86300510 Nuclear Power Plant Operations Personnel
- 86300515 Organizational Effectiveness
86300520 OSHA Compliance
86300525 Plant Commissioning
86300530 Process Control Statistical
86300540 Project Management
86300580 Quality Assurance/Quality Control
86300610 Radiation Management (ALARA)
86300640 Radiation Protection
86300660 Radiochemistry
86300670 Reliability Analysis
86300690 Research Reactor Utilization & Maintenance
- 86300710 Respiratory Protection
86300730 Root Cause Analysis
86300740 Safety Evaluation
86300750 Scaffolding
86300760 Security Personnel
86300770 Seismic Qualification
86300775 Simulator, Power Plant & Reactor
86300780 Snubber Maintenance & Overhaul
86300800 Simulators, Radiation
86300810 Snubber Maintenance & Overhaul
86300820 Team Building
86300840 Technicians, Electrical
86300860 Technicians, Instrumentation and Control
86300880 Technicians, Laboratory
86300910 Technicians, Mechanical
86300940 Technicians, Security

- 86300970 Waste Management
86300980 Water Chemistry
86400 **Training Centers, Facilities**—also see *Training; Training Materials*
Training Materials, Courseware—also see *Mockup Design; Training; Training Centers*
- 86500100 Audio-Visual Aids
86500200 Computer-Aided
86500220 Digital Video, Interactive
86500250 Models, Mockups
86500300 Textual
- Training Reactors**—see *Reactors*
Transducers—also see *Detectors, Resistance Temperature; Transmitters; Sensors, Temperature*
- 86750100 Displacement
86750200 Force & Weight
86750300 Pressure
86750350 Pressure/Temperature
86750400 Temperature
- Transfer Cars**—see *Cars, Railroad*
Transfer Systems for Irradiation Samples
- 86800100 Hydraulic
86800200 Pneumatic
- Transformers**
- 86870100 Control, Power
86870200 Dry Type
86870300 Linear Variable Differential
- Transient Voltage Surge Suppression System**—see *Electrical Distr. & Control Equip.*
- 86900 **Translation Services**
Transmitters—also see *Communications Systems*
- 86970100 Electronic
86970180 Level, Liquid
86970200 Measurement
86970300 Microwave
86970400 Pressure
86970500 Pressure Differential
- Transition Joints, Bimetallic**—see *Joints, Transition*
- Transport Services**
- 87000100 Consulting/Transport Management
87000150 Heavy Components
87000170 Intermodal/Rail
87000180 Liners
87000200 Radioactive, High-Level
87000300 Radioactive, Low-Level
87000400 UF6/U3O8
- Trash Racks**—see *Water Intake Facilities*
Traveling Screens—see *Water Intake Facilities*
- Trays**
- 87140100 Cable
87140130 Covers
87140170 Side Rails
87140200 Tubing
- 87380 **Tritium Handling Equipment**
Tritium Monitors—see *Monitors, Radiation, Area*
- 87395 **Tritium Recycle & Extraction Equipment**
- 87400 **Tritium Removal Equipment**
Tube Clamps, Supports—see *Tubing Clamps, Supports*
Tube Cleaning Equipment—see *Cleaning Equipment*
Tube Crimpers, Cutters, Expanders—see *Pipe & Tube Machinery*
- 87680 **Tube Extraction (Removal) Equipment**
Tube Plugging, Sleeving—see *Steam Generator Maintenance & Repair*
- Tube Systems**
- 87700050 Commercial Grade
87700100 Stainless
87750 **Tubes, Centrifugally Cast, & Elbows for Primary Loops (PWR)**
Tubes, Counter & Detector—see *Detector Heads, Sold Separately*
- 87900 **Tubes, Electron**
87950 **Tubes, Finned**
88000 **Tubesheets**
Tubing—also see *Fittings, Tube; Fuel Element Cladding; Hose; Testing Services*
- 88100030 Carbon Steel, Seamless
88100100 Stainless
88100200 Stainless, Seamless
88100300 Steam Generator
88100310 Steam Generator Sleeves
- 88100340 Titanium
88100350 Titanium, Seamless
88100400 Zirconium Alloy
- Tubing Clamps, Supports**
- 88200100 Commercial Grade
88200200 Seismic
- Tubing, Plastic**—see *Health Physics Equipment & Supplies*
Turbine-Coupling Bolts—see *Bolts*
Turbine Gears
Turbine-Generators (Including Stators & Rotors)
89510 **Turbines, Feedwater Pump**
Turnstiles—see *Security Structures*
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- U**
- UF6 Cylinders**—see *Containers*
Ultrasonic Testing—see *Nondestructive Testing; Test Equipment*
Umbilical Cord (Robotic)—see *Cable, Electrical*
Underwater—see *Diving; Maintenance & Repair; NDT; Solid Waste Reduction Equipment & Tools; Video Serv.; Welding Serv.*
- Unions**—see *Couplings*
- 89580 **Uranium Blending**
89590 **Uranium, Depleted**
89600 **Uranium Conversion**
89640 **Uranium Enrichment Exchange Services**—also see *Storage, Uranium*
- 89650 **Uranium Enrichment Services**
Uranium Metal—see *Metals, Other*
89760 **Uranium Exploration**
Uranium Marketing Services—see *Fuel Marketing Services*
Uranium Mill Tailings Reclamation—see *Waste Management Services*
- 89795 **Uranium Mining**
89800 **Uranium Ore Concentrates**
Uranium Storage—see *Containers; Storage Services*
Urinalysis—see *Health Physics Services*
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- V**
- Vacuum Blasting**—see *Cleaning Equipment*
- 90000 **Vacuum Breakers**
90100 **Vacuum Equipment & Accessories**—also see *Cleaning Equip.; Filters; Pumps, Other; Test Equip.*
Vacuum-Melted Metals—see *Metals, Other*
Valve & Actuator Repair—see *Maintenance & Repair Services*
Valve Grinders (In-Place)—see *Valve-Reseating Equipment*
Valve Operators (Actuators)
- 90250050 Air
90250070 Electric Solenoid
90250080 Electrohydraulic
90250090 Explosive-Activated
90250100 Hydraulic
90250130 Manual
90250150 Motor
90280 **Valve Packing Removal Equipment**
Valve Position Detectors—see *Detectors*
- 90320 **Valve-Reseating Equipment, On-line**
90330 **Valve Stem Gland Packing Systems, Live-Loaded**
Valve Tags—see *Tags*
Valve Testing—see *Maintenance Services; Test Equipment*
Valves, Backwater—see *Valves, Other*
Valves, Ball—see *Valves, Other*
Valves, Butterfly—see *Valves, Other*
Valves, Check, Stop Check
- 90600020 Air-Cylinder-Assisted
90600050 Ball
90600070 Controlled-Closure
90600075 Non-Slam
90600080 Piston-Operated
90600100 Spring-Loaded
90600150 Swing Type
90600160 Swing Type, Alloy
90600200 Tilting Disk
- 90800050 **Valves, Control**
Flow
90800060 Flow, Acoustic Emission
90800080 Intelligent
90800100 Pressure
90800150 Temperature
90800200 Vacuum
- Valves, Controlled-Closure**—see *Valves, Check; Valves, Other (Line-Blind)*
Valves, Diaphragm—see *Valves, Other*
Valves, Drain—see *Compressed Air Systems*
Valves, Excess-Flow—see *Valves, Other*
Valves, Fail-Safe—see *Valves, Other*
Valves, Feedwater Isolation—see *Valves, Other*
Valves, Filter, In-Line—see *Valves, Other*
Valves, Fire Deluge—see *Valves, Other*
Valves, Flow Monitoring/Alarm System—see *Valves, Other*
Valves, Flush Bottom Tank—see *Valves, Other*
Valves, Gate
- 91000010 Bellows Seal
91000030 Jacketed Alloy
91000050 Knife
91000100 Parallel Slide Type
91000100 Wedge Type
91000200 **Valves, Globe**—see *Valves, Other*
Valves, Globe, Bellows—see *Valves, Other*
Valves, Instrumentation Manifold—see *Valves, Other*
Valves, Isolation Shutoff—see *Valves, Other*
Valves, Line-Blind—see *Valves, Other*
Valves, Main Steam Isolation—see *Valves, Other*
Valves, Miniature—see *Valves, Other*
Valves, Other
- 91260030 Backwater
91260060 Ball
91260080 Burner
91260090 Butterfly
91260120 Diaphragm
91260150 Excess-Flow
91260180 Fail-Safe
91260210 Feedwater Isolation
91260240 Filter, In-Line
91260270 Fire Deluge
91260300 Flow Monitoring/Alarm System
91260330 Flush Bottom Tank
91260360 Globe
91260390 Globe, Bellows
91260420 Instrumentation Manifold
91260450 Isolation Shutoff
91260480 Line-Blind
91260510 Main Steam Isolation
91260540 Miniature
91260570 Needle
91260600 Packless
91260630 Plastic-Lined
91260660 Plug
91260675 Pressure Regulating
91260690 Pump Recirculation
91260720 Quick-Opening & -Closing
91260750 Ram-Type
91260780 Relief, Safety
91260820 Slurry
91260850 Solenoid
91260880 Vacuum
- Valves, Needle**—see *Valves, Other*
Valves, Packless—see *Valves, Other*
Valves, Plastic-Lined—see *Valves, Other*
Valves, Plug—see *Valves, Other*
Valves, Pressure Seal
- 91380030 Breech Lock
91380050 Gate
91380070 Globe
91380080 Piston Check
91380090 Swing Check
91380100 Tilting Disk
91380300 Wafer Check Valves
- Valves, Pump Recirculation**—see *Valves, Other*
Valves, Quick-Opening & Closing—see *Valves, Other*
Valves, Ram-Type—see *Valves, Other*
Valves, Relief, Safety—see *Valves, Other*
Valves, Slurry—see *Valves, Other*
Valves, Solenoid—see *Valves, Other*

Valves, Vacuum—see *Valves, Other*
Variable-Speed Drives—see *Drives*
Vehicles, Armored—see *Security Systems & Devices*
91830 **Vehicle Safety Accessories**
Ventilation Equipment—see *Air-Conditioning & Ventilation Equipment*
Ventilation Seals—see *Seals*
92150 **Venturis**
Vessels—also see *Respiratory Protection Equipment*
92300100 Flasks, Water, Valve-Operating
92300200 Pressure
92300300 Pressure, Reactor
Vibration Analysis—see *Analysis; Maintenance Services; Test Equipment; Testing Services*
Vibration Indicators—see *Indicators; Monitors*
Video Displays—see *Computers; Data Readout Devices; Security Systems; Television Systems*
Video Services
92800030 Inspection
92800050 Plant Photodocumentation
92800100 Remote
92800200 Underwater

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Walk-Off Mats—see *Health Physics Equipment & Supplies*
Wall Panels—see *Security Structures; Shielding Materials*
Wall Plugs, Sleeves, Hot-Cell—see *Hot-Cell Wall Plugs, Sleeves; Sleeves, Wall*
Wall Thinning Detection, Tube—see *Testing Services*
Warning Signs, Signals—see *Alarms; Health Physics Equipment; Lights, Warning*
Warning Systems—see *Alarm Systems; Emergency Warning Systems*
Warning Tape, Luminescent—see *Health Physics Equipment & Supplies; Tape*
Waste Evaporators—see *Radioactive Waste Treatment Equipment*
Waste-Gas Analyzers—see *Analyzers*
Waste Management Consultants—see *Consultants*
Waste Management Services—also see *Analysis; Health Physics Services; Transport Services*
93040300 Demineralization
93040350 Dewatering, Nonradioactive
93040360 Dewatering, Radioactive
93040400 Disposal (Low-Level)
93040450 Environmental Remediation
93040500 Fuel Pool Services
93040520 Incineration
93040530 Intermediate-Level
93040540 Lead Contamination
93040560 Mixed Waste Analysis & Processing
93040565 Mixed Waste Disposal/Treatment
93040570 Mixed Waste Solvent Disposal
93040590 Molten Salt Oxidizers
93040600 Monitoring
93040610 Non-Radioactive
93040630 Off-Site (Fixed Base)
93040660 On-Site
93040680 Packaging/Repackaging
93040690 Radioactive, Low-Level
93040710 Radioactive, High-Level
93040720 Resin Destruction
93040730 Resin Pyrolysis
93040750 Resin Regeneration
93040760 Resource Recovery
93040780 Scrap Melting
93040790 Sealed Source Decommissioning
93040800 Solidification
93040810 Survey & Release
93040825 Transuranic (TRU)
93040850 Uranium Mill Tailings Reclamation
93040870 Vitrification
93040900 Volume Reduction
93040920 Waste Characterization
93040950 Wood Decontamination
Waste Monitors—see *Monitors, Radiation, Area & Special-Purpose*

Waste Tracking & Accountability System—see *Radioactive Waste Handling Systems*
Waste Treatment Equipment—see *Radioactive Waste Handling & Treatment Equipment*
Waste Storage Facilities, Radioactive, On-Site—see *Rad. Waste Handling & Treatment Equip.*
Water Analyzers—see *Filters*
Water Chemistry, Treatment—see *Consultants; Monitors, Other; Training*
Water Filters—see *Filters*
Water Flasks, Valve-Operating—see *Vessels*
Water Hammer Analysis—see *Analysis*
Water, Heavy—see *Heavy Water*
Water Intake Facilities—also see *Maintenance & Repair Services*
93220030 Fish Guiding Systems
93220050 Screens, Traveling
93220100 Trash Racks
Water-Oil Separators—see *Compressed Air Systems*
93240 **Water Quality Management Services**—also see *Computer Software*
Water Stills—see *Stills*
Water Strainers—see *Strainers*
Water Treatment Equipment & Supplies—also see *Dewatering Systems; Filters; Stills; Strainers*
93500050 Chlorination
93500100 Condensate Polishing
93500200 Demineralization
93500300 Deoxygenation
93500400 Portable Systems
93500420 Reverse Osmosis, Mobile
93500450 Sodium Hypochlorite Generators
93500500 Softening/Clarification
93700 **Waterproofing Materials**
Weapons, Weapon Storage—see *Security Enforcement Products; Security Structures*
Wear Detection—see *Computer Software*
Weld End Preparation Equipment, Pipe & Tube—see *Pipe & Tube Machinery*
Weld Monitors—see *Monitors, Other Than Radiation*
Weld Surfacing
93750050 Electric Arc
93750100 Helium Arc
93750150 Metal/Inert Gas
93750200 Plasma Spray
93750250 Plasma Transferred Arc
93750300 Submerged Arc
93750350 Tungsten/Inert Gas
Welding Equipment—also see *Abrasives; Clothing, Prot.; Pipe & Tube Mach.; Television Sys.*
93800030 Antispatter Compound
93800050 Arc
93800070 Arc, Robotic
93800100 Automatic Tube & Pipe
93800110 Backup Rings
93800120 Blankets, Protective Screens, Etc.
93800140 Contraction Rings (for Socket Welds)
93800180 Electrodes, Filler Materials
93800190 Electrodes, Underwater
93800250 Electron Beam
93800260 Friction
93800270 Insert Rings, Consumable
93800300 Laser Beam
93800310 Orbital TIG Narrow-Gap
93800330 Pipe Fit-up Tools
93800350 Plasma
93800400 Power Supplies & Controls
93800450 Programmers
93800460 Remote
93800470 Resistance
93800500 Stud
93800510 Tube-Tubesheet
93800550 Waste Container Lid Welders
93800600 Welding Rings
93800650 Welding Wire
93800700 Welding Wire, High-Purity
Welding Services—also see *Diving Services; Weld Surfacing; Welding Equipment*
93900030 Arc
93900050 Automatic Tube & Pipe
93900100 Diffusion Bonding
93900150 Electromagnetic

93900200 Electron Beam
93900220 Explosive
93900250 Laser Beam
93900300 Plasma
93900320 Remote
93900350 Stud
93900370 Underwater, Manual
93900380 Underwater, Remote
93900390 Weld Overlays
93900400 Weldment Cleaning
95300 **Well-Logging Equipment**
Wet-Blasting—see *Cleaning Equipment; Decontamination Chemicals & Equipment*
Wheel Covers—see *Health Physics Equipment*
Whole-Body Counting Services—see *Health Physics Services*
Whole-Body Monitors—see *Equipment Rental; Monitors, Radiation, Personnel*
Wind Monitoring—see *Environmental Monitoring Serv.; Meteorological Equip.*
Window Reducers—see *Solid Waste Reduction Equipment*
Windows, Bullet-Resistant—see *Security Structures*
Windows, Radiation-Shielding—also see *Maintenance & Repair Services; Shielding Materials*
95750100 Lead Glass
95750200 Lead Plastics
Wipe Test Counters—see *Counters, Detectors, Radiation*
Wipers, Wiping Cloths—also see *Health Physics Equipment & Supplies*
95850100 Cotton
95850200 Clean Room Laundered
95850250 Disposable, Soluble
95850300 Industrial
95850400 Lint-Free
95850500 Oil-Treated Dusting
95850600 Tacky
Wire—also see *Cable*
95900160 Insulated, Signal
95900170 Insulated, Switchboard
95900180 Insulated, Thermocouple
95900200 Magnet
95900210 Magnet, High-Temperature
95900250 Metal-Shielded
95900300 Nickel, Monel & Nickel-Chromium
95900400 Refractory
95900450 Resistance
95900500 Spring
95900550 Superconducting
95900600 Thermocouple

Wiring Duct—see *Duct*
Wood Decontamination—see *Waste Management Services*
Work Platforms
96200100 Cask Servicing
96200200 Mobile
96200300 Stationary
96300 **Workbenches, Maintenance, Portable**
Wraps—see *Health Physics Equipment & Supplies; Shielding Materials*
96450 **Wrenches, High-Torque**
96500 **Wrenches, Hydraulic Ratchet**

X

96700 **X-ray Diffraction Apparatus**
X-ray Glass—see *Shielding Materials; Windows, Radiation-Shielding*
X-ray Inspection Systems—see *Security Systems*

Z

Zirconium—see *Metals, Other; Tubing*