

50th Annual Nuclear News Buyers Guide 2019 Index to Categories

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Phone: 1-800-NUC-NEWS or 1-708-579-8226 • Fax: 1-708-352-6464 • Email: advertising@ans.org • www.ans.org/advertising/nn

The Index to Categories is a standardized listing of the products and services that will be featured in the upcoming 2019 *Nuclear News* Buyers Guide. This Index will assist you in either (a) filling out a New Listing form or (b) adding categories to your existing company listing. Products and services are listed alphabetically and are numerically coded.

New Listings and Verification Forms (for existing listings*) must be created and 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 code numbers and product category descriptions and they will be added to your company profile.

*Companies with existing listings will need a unique link in order to access their online listing. Look for multiple email reminders from <nnbg2019@ans.org> (starting in late January). If you do not receive an email, or the previous contact left your company, please send an email to the Advertising Department <advertising@ans.org> with the subject line "NNBG2019 link request" to obtain your custom URL.

Deadline: March 4

Remember, there is NO CHARGE for a company listing!

A

	Abrasives—also see Cleaning Equipment		Air Filters—see Filters	03800470	Lubrication
00300100	Bonded		Air-Flow Control Dampers—see Dampers	03800480	Materials
00300200	Coated		Air Particulate Samplers—see Samplers	03800500	Noise
00300250	Lapping & Polishing Grits		Air Pressure Regulators—see Regulators	03800520	Piping
00300300	Non-Woven Fiber		Air Purification Systems—see Respiratory Protection Equipment	03800560	Plant Performance
00400	Absorbers, Nuclear Radiation—also see Neutron Absorbers; Sorbents	03180	Air Sampling Pumps—see Pumps, Other	03800600	Reliability
	Accelerators & Accessories—also see Nondestructive Testing		Airlocks—see Doors	03800630	Resin, Ion Exchange
01300100	Accessories	03200050	Alarm Status Reporting & Control Systems	03800640	Risk
01300200	Electromagnetic	03200100	Alarm Systems—also see Emergency Warning Systems; Security Systems	03800660	Root Cause
01300300	Electrostatic	03200130		03800680	Safety, Nuclear
01300400	Other	03200150		03800720	Safety, Plant
01300500	Targets	03200170		03800760	Safety, Reactor
	Accelerometers—see Indicators (Vibration); Seismic Instrumentation	03200200		03800800	Seismic
	Access Control Systems, Personnel—see Security Systems	03200250		03800830	Shielding
	Acoustic Emission—see Nondestructive Testing	03200300		03800850	Site Characterization
	Acoustic Sensors—see Sensors	03200350		03800860	Siting
	Activation Analysis—see Neutron Activation Analysis Services	03200400		03800890	Stress
	Actuators—see Valve Operators	03200430		03800900	Structural
	Adhesives	03200450		03800910	Sump/Strainer Blockage (Reg. Guide 1.82)
02870100	Heat-Resistant	03300	Alignment Systems, Rotating Machinery	03800920	Thermal
02870150	Insulation-Related		Alloys—see Metals, Other; Testing Services	03800930	Vessel & Components Neutron Fluence
02870200	Radiation-Resistant	03500	Aluminum—see Metals, Other	03800950	Vibration
02870300	Structural		Ammitters, RMS, Tong Test Type	03800960	Waste
	Adsorbers, Gas—see Gas Handling Equipment; Filters (Carbon; HEPA)	03550050	Amplifiers	03800970	Water
02910	Aerosol Neutralizers	03550080	CAMAC	03800980	Water Hammer
	Aggregate, High-Density Concrete—see Shielding Materials	03550100	Digital Spectroscopy		
	Air Analyzers—see Analyzers	03550200	Direct Current	04000100	Alignments
	Air Bubble Detectors—see Detectors	03550250	Power	04000150	Air
	Air-Conditioning & Ventilation Equip.—also see Dampers; Filter Housings; Filters; Training	03550300	Pressure	04000160	Coincidence & Anti-Coincidence
03000100	Air-Conditioning	03550400	Pulse	04000170	Density
03000150	Air Distribution Nozzles	03550500	Video	04000180	Dissolved Hydrogen
03000200	Air Dryers		Wide-Band	04000190	Dissolved Oxygen
03000300	Air Filtration Units	03800010	Analysis	04000200	Effluent
03000320	Air Handling	03800030	Asbestos	04000300	Gas
03000350	Chillers	03800040	Chemical	04000400	Gas, Containment
03000380	Condensing Units	03800050	Design Basis	04000420	Hydrazine
03000420	Dehumidifiers	03800060	Electrical Distribution Systems	04000450	Multi-Parameter
03000480	Ductwork	03800070	Electrical Transients	04000500	Off-Gas Hydrogen
03000540	Evaporative Coolers	03800080	Electronic Construction	04000600	Oxygen
03000580	Fans & Blowers	03800120	Elemental, Isotopic	04000610	Portable Multichannel
03000600	Louvers	03800160	Environmental	04000620	Post-Accident Sampling (O2 & H2)
03000640	Ventilation	03800200	Equipment Qualification	04000650	Pulse-Height, Multi-Channel
03000700	Ventilation, Portable	03800220	Failure, Electrical/Electronic	04000660	Pulse-Height, Single-Channel
03000710	Ventilation, Test Equipment	03800240	Failure, Metallurgical	04000700	Sludge
		03800300	Finite Element	04000750	Sodium
		03800320	Fracture Mechanics	04000800	Steam
		03800360	Fuel Cycle & Fuel Performance	04000850	Time-of-Flight
		03800400	Geotechnical	04000860	Total Organic Carbon
		03800420	Helium	04000870	Viscosity
		03800440	Hydrological	04000880	Waste-Gas, Oxygen & Hydrogen
		03800460	Loose Parts	04000900	Water

Anchors—see Construction Materials

Anemometers—see Meteorological Equipment

Annunciators—see Alarm Systems; Display Systems

Anticoincidence Analyzers—see Analyzers

Aprons—see Clothing, Protective

Architect-Engineers—see *Construction/Engineering Services*
 06790 **Asbestos Abatement/Removal Services**
Asbestos-Free Cement—see *Construction Materials*
 06820 **Assay Equipment, Fuel**
 06840 **Assay Services, Uranium Ore**
Audits
 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*

C
 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
 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*
 09700 **Calandrias, Reactor**
 09730 **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
 09950100 Cask-Handling
 09950150 Liners
 10010 **Casings, Primary Coolant Pump**
Casks—see *Containers*
Castings—see *Metal Components & Structures*
Catwalks—see *Gratings*
Cement—see *Construction Materials*
Ceramic Products
 10100 **Chambers, Fission**—see *Fission Chambers*
Chambers, Ion—see *Counters; Detector Heads; Monitors, Radiation, Personnel*
Changers, Sample—see *Sample Changers*
Channels, Fuel—see *Fuel Channels*
Charcoal, Activated—see *Carbon; Filter Services; Filters*
Chargers, Dosimeter—see *Health Physics Equipment*
Chart Recorders, Strip—see *Data Readout Devices*
Chemical Analysis—see *Analysis*
Chemical Process Design—see *Consultants*
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*
Clamps—see *Tubing Clamps*
Cleaning (Clothing)—see *Health Physics Equipment; Health Physics Services*
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
 10850650 Soluble
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.*
 11400020 Cable
 11400050 Concrete Sealing/Restoration/Contamination Control
 11400100 Corrosion-Resistant
 11400200 Floor Toppings
 11400300 Insulation-Related
 11400500 Low-Chloride
 11400600 Strippable
Coatings Testing—see *Test Equipment*
Coincidence Analyzers—see *Analyzers*
Collars, Streaming—see *Shielding Materials*
 11600 **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	12800870 Radiological Control/Health Physics	13850400 Erection Services
		12800880 Reliability Analysis	Consultants—also see Analysis; Construction/Engineering Services; Training
		12800890 Reportability Evaluation	14000010 Air Cleaning, Filtration
11650100	Face Mask Accessories	12800900 Risk Analysis	14000020 Chemical Process Design
11650200	Headsets	12800905 Root Cause Analysis	14000030 Coatings/Corrosion
11650300	Paging	12800910 Security	14000040 Communications, Management-Employee
11650320	Repeated Message Tape/Speaker Boxes	12800915 Simulation	14000050 Component/System Design & Analysis
11650350	Telephone Conferencing (Audio)	12800920 Software Maintenance/Control	14000060 Computer Systems & Software
11650360	Telephone Conferencing (Video)	12800925 Software Packages	14000070 Configuration Control
11650400	Telephonic (Computerized Call./Ans.)	12800930 Special Nuclear Material Tracking	14000080 Contract Administration
11650500	Two-Way Radio	12800935 Spectroscopy	14000090 Cranes & Hoists
11680	Compact Disks, for Drums	12800940 Technical Specification Systems	14000100 Criticality Hazard Evaluation
11700	Compactors—also see Radioactive Waste Treatment Equipment; Solid Waste Reduction Equip.	12800950 Telerobotics	14000110 Decontamination
		12800960 Trending	14000115 Decommissioning
		12800965 Valve Performance Prediction	14000120 Design, Nuclear Facilities
		12800970 Verification & Validation	14000125 Earth Science Services
	Compliance Support, Regulatory—see Consultants; Health Phys. Serv.; Maint. & Repair Serv.	12800980 Waste Management	14000130 Economic Analysis, Trade-off Studies
		12800990 Water Chemistry Management	14000140 Emergency Planning & Response
	Components, Metal—see Metal Components & Structures	Computers & Accessories—also see Data Acq. Sys.; Data Readout; Imaging, Digit.; Multiplexing	14000150 Environmental
	Compressed Air Pressure Vessels—see Respiratory Protection Equipment; Vessels	12900050 Analog	14000160 Equipment Condition Monitoring
	Compressors, Refrigerant—also see Air Conditioning & Ventilation Equipment	12900060 Artificial Intelligence Systems	14000170 Fire Protection
12100100	Centrifugal	12900070 Color Graphics	14000180 Foreign Language Interpretation & Translation
12100200	Reciprocating	12900080 Converters	14000200 Fuel Cycle & Fuel Performance
12100300	Screw-Driven	12900100 Digital	14000210 Fuel Transport/Storage
12100400	Scroll	12900110 Disk Drives	14000240 Heat Transfer & Fluid Flow
	Computer-Aided Design—see Computer Services	12900120 Expert Systems	14000260 Human Factors Engineering
12720	Computer and Cyber Security	12900130 Hand-Held	14000290 Hydraulics
	Computer Services—also see Imaging, Digital	12900150 Hybrid	14000310 Hydrodynamics
12750020	Computer-Aided Design	12900500 Input/Output Interface Units	14000320 Independent Project Reviews
12750030	Computer-Aided Software Engineering	12900540 Main Frame	14000330 Instrumentation and Electrical
12750050	Computer Procurement Assistance	12900550 Mass Storage Units	14000335 Inventory Management
12750100	Data Collection, Acquisition	12900610 Micro	14000340 ISO Compliance
12750200	Installation/Changeout	12900650 Microprocessor Circuit Boards	14000345 License Renewal
12750250	Network Services	12900660 Mini	14000350 Licensing
12750300	Procedures Preparation	12900750 Printers	14000360 Lightning Protection
12750400	Project Management	12900800 Tape Drives	14000370 Maintenance
12750440	Quality Assurance	12900850 Video Display Units	14000380 Management Audit
12750445	Software Safety	Concentrators—see Radioactive Waste Handling & Treatment Equipment	14000400 Management Information & Control Systems
12750500	Specifications Development	Concrete—see Construction Materials; Maintenance & Repair Serv.; Shielding Materials	14000480 Meteorology
	Computer Software—also see Imaging, Digital; Records Management Sys.; Steam Gen. Maint.	Concrete Anchors—see Construction Materials	14000490 Noise Abatement
12800010	Artificial Intelligence	Concrete Breaking, Drilling, Sawing & Scabbling	14000495 Obsolescence Assessment
12800040	Cable Management	13050050 Contractors	14000500 Operations Analysis & Procedures Preparation
12800060	Component Wear Detection	13050100 Equipment	14000510 Organization Development
12800080	Configuration Management/Control	13050150 Equipment Rental	14000520 Outage Management
12800090	Construction Management	Concrete Leak Repair—see Maintenance Services	14000525 Performance Measurement
12800100	Contract Administration	Concrete Reinforcement, Bar & Mesh—see Construction Materials	14000530 Personnel Stress/Health
12800120	Core/Thermalhydraulics	Condensate Polishing—see Water Treatment Equipment	14000550 Piping
12800130	Corrective Action Tracking	Condensers, Air-Cooled	14000560 Plant Life Extension
12800140	Critical Path Scheduling	Condensers, Power Plant	14000570 Plant Performance
12800160	Custom Development	Condensing Pots, Steam	14000580 Preventive Maintenance
12800180	Data Base Management	Condensing Units—see Air Conditioning & Ventilation	14000590 Procurement Support
12800220	Decontamination Management	Conductivity Meters—see Meters	14000600 Project Planning & Management
12800260	Dosimetry	Configuration Management—see Computer Software; Consultants; Records Management Systems	14000605 Proposal Management
12800300	Drawing & Document Control	Connectors—also see Feedthroughs	14000610 Prudence Studies
12800330	Economic Analysis	13400020 Data Communications	14000620 Qualification, Commercial Grade (Dedication)
12800340	Education/Training	13400100 Electrical	14000630 Quality Assurance/Quality Control
12800360	Electrical Analysis	13400200 Electrical, Glovebox	14000640 Radiation Management
12800380	Emergency Planning	13400250 Electrical, Quick Disconnect	14000650 Radiological Engineering
12800420	Emergency Response (In-Plant)	13400300 Fiber Optic	14000720 Records Management Systems
12800460	Engineering Analysis	13400400 Thermocouple	14000725 Reengineering, Organization
12800465	Engineering Management	13600 Consoles, Control Construction Materials	14000730 Regulatory Compliance
12800500	Environmental Monitoring	13700040 Anchors, Chemical (Epoxy)	14000740 Reliability
12800510	Equipment Status/Tagout Tracking	13700060 Anchors, Concrete	14000760 Research Services, Nuclear
12800520	Expert Systems	13700080 Asbestos-Free Fiber Cement	14000770 Risk Analysis
12800530	Fault-Tolerant Automatic Control	13700120 Concrete	14000780 Safety, Nuclear
12800550	Failure/Root Cause Trending	13700150 Concrete Reinforcement, Bar (Rebar)	14000790 Safety, Plant
12800560	Fire/Safety	13700200 Concrete Reinforcement, Mesh	14000810 Safety, Reactor
12800570	Fuel Accounting	13700250 Lumber, Fire-Retardant-Treated	14000830 Security
12800580	Fuel Performance/Management	13700280 Refractory	14000840 Seismic
12800590	Heat Exchanger Modeling	13700300 Splices, Rebar	14000860 Shielding
12800600	In-Service Inspection	13700350 Steel, Structural—also see Metals, Steel	14000870 Simulation Services
12800610	Instrument Calibration	Construction/Engineering Services—also see Consultants; Maintenance Services	14000880 Siting
12800620	Inventory Control (Equipment, Supplies, etc.)	13850100 Architect-Engineers	14000900 Spare Parts Systems
12800660	Maintenance Control	13850150 Civil Engineers	14000920 System Engineering-Requirements Analysis
12800700	Management (Station)	13850200 Construction Services	14000930 Systems Testing
12800720	Operator Scheduling	13850300 Engineer-Constructors	14000950 Training Evaluation, Management
12800740	Piping System Design & Analysis		14000960 Trend Analysis & Corrective Action Programs
12800780	Plant Design		14000970 Waste Management
12800820	Plant Performance		14000990 Water Treatment
12800840	Procedure Status/Tracking		Contactors—see Electrical Distribution & Control Equipment
12800850	Project Management		
12800860	Quality Assurance/Quality Control		

- Containers**—also see *Radioactive Waste Handling; Shielding Materials; Testing Services*
- 14300030 Bulk
 14300050 Casks, Filter Transfer
 14300100 Casks, Post-Accident Sample
 14300150 Casks, Radwaste
 14300200 Casks, Spent-Fuel Shipping
 14300210 Casks, Spent-Fuel Storage
 14300230 Component
 14300250 Cylinders, UF6
 14300280 Drum Breather Filters
 14300300 Drum Liners/Inserts
 14300350 Drums
 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**
- 17600 **Corrosion**—see *Coatings; Consultants; Testing Services*
- Corrosion Coupons (Metal Reference Standards)**
- 17650 **Corrosion Inhibitors**
Counter 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 Butt weld, Seamless
 18400170 Butt weld, 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*
-
- ## D
- Dampeners, Pulsation**—see *Pulsation Dampeners*
- Dampers**
- 19450100 Air-Flow Control
 19450150 Backdraft
 19450200 Fire
 19450260 High-Energy Line Break
 19450300 Isolation
 19450400 Isolation, Bubble-tight
 19450500 Tornado Protection
 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	23850050	Computerized		
21270280	Self-Powered Type	23850100	Conventional		
21270310	Scintillation Counters, Liquid		Drain Socks —see <i>Health Phys. Equip.</i>		Emergency Medical Equipment Services —see <i>Health Physics Equipment; Health Physics Services</i>
21270320	Scintillation Counters, Solid-State		Drains & Accessories		Emergency Planning —see <i>Computer Software; Consultants; Training</i>
21270350	Solid-State Semiconductor Type	23900100	Floor		Emergency Response Equipment
21300	Detectors, Accelerator Beam	23900130	Floor Drain Cover Plates		Radiation Detection/Survey Meters
21310	Detectors, Aerosol/Particulate	23900160	Floor Drain I.D./Warning Plates	25250100	Emergency Warning Systems (Public) —also see <i>Communications</i>
21320	Detectors, Air Bubble (In Liquid)	23900200	Leak Detector		25300100 Sirens, Electronic
	Detectors, Explosives —also see <i>Equipment Rental</i>		Drawing Control —see <i>Computer Software; Records Management</i>	25300200	Sirens, Mechanical
21370100	Hand-Held		Drives, Control Rod —see <i>Control Rod Drives; Reactor Service Tools</i>	25300210	System Readiness Reporting Systems
21370200	Walk-Through		Drives, Variable-Speed	25300220	Telephonic, Computerized
	Detectors, Leak —also see <i>Tape, Moisture-Sensitive</i>	24000	Drug Testing —see <i>Audits, Fitness-for-Duty; Security Services</i>	25300250	Tone Alerting Radios
21400050	Acoustic		Drum Breather Filters —see <i>Containers</i>	25300300	Voice Alert (Public Address)
21400100	Bubble Test		Drum Capping Machines, Remote —see <i>Rad. Waste Handling Equip.</i>	25350	Emergency Warning Systems (Worker)
21400200	Electron Capture (SF/6)		Drum Cutting Machines —see <i>Radioactive Waste Handling & Treatment Equipment</i>	25400050	Agencies
21400230	Gas		Drum Locking Devices	25400150	Craft Labor Support, Temporary
21400250	HEPA Filter		Drum Monitors —see <i>Monitors, Radiation, Area & Special-Purpose</i>	25400250	Executive Recruitment
21400350	Integrated Leak Rate Testing	24080	Drum Washing Systems —see <i>Rad. Waste Handling Equip.</i>	25400300	Full-Time Permanent Personnel
21400400	Mass Spectrometer (He)		Drums, Drum Inserts —see <i>Containers</i>	25400350	Technical, Professional Support, Temporary
21400500	Pressure Change		Dry Cleaning —see <i>Health Physics Equipment; Health Physics Services</i>	25600	Encapsulation, Radioactive Source
21500	Detectors, Metal		Dryers, Air —see <i>Air-Conditioning & Ventilation Equipment</i>		Enclosures, Radiological Containment — <i>Health Physics Equipment</i>
	Detectors, Radiation —see <i>Counters, Detectors; Detector Heads; Monitors</i>		Dryers, Wet Solids —also see <i>Calciners; Radioactive Waste Handling & Treatment Equipment</i>	25700	Encryption Systems, Alarm —see <i>Alarm Systems</i>
22150	Detectors, Resistance Temperature —also see <i>Thermowells</i>		Duct, Cable Bus		Energy Flow Meters —see <i>Meters</i>
22200	Detectors, Valve Position		Duct, Wiring, Plastic		Energy Storage Systems, Thermal
	Detergents —see <i>Decontamination Chemicals, Equipment & Processes</i>		Ductwork —see <i>Air-Conditioning & Ventilation Equipment</i>		Engineering Services —see <i>Consultants; Construction/Engineering Serv.; Health Physics Serv.</i>
22410	Dewatering Systems & Supplies —also see <i>Waste Mgmt. Services</i>	24170	Dye Penetrant Testing —see <i>Nondestructive Testing</i>		Enrichment —see <i>Uranium Enrichment</i>
	Dew Point —see <i>Hygrometry Instrumentation</i>				Environmental Analysis —see <i>Analysis; Consultants; Health Physics Services</i>
22430	Diaphragms, Storage Tank	24180			Environmental Laws & Regulation —see <i>Training</i>
	Diesel Generators, Stand-by —see <i>Generators</i>	24190			Environmental Monitoring Equipment —also see <i>Meteorological Equip.; Monitors, Radiation, Area</i>
	Digital Imaging —see <i>Imaging, Digital</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>				Environmental Test Equipment —see <i>Test Equipment</i>
	Displacement Transducers —see <i>Transducers</i>				Equipment Condition Monitoring —see <i>Consultants; Testing Services</i>
22660	Display Systems, Annunciators				Equipment Exchanges
	Disposal, Radwaste —see <i>Waste Management Services</i>				Equipment Qualification —see <i>Analysis; Computer Software; Testing Services</i>
	Diving Services				Equipment Rental
22700100	Cutting/Burning				Air Conditioning
22700200	Decontamination	24250			Chillers
22700300	Equipment Installation/Realignment				Containers
22700400	Grouting	24270			Cooling Towers
22700450	Inspection				Detectors, Explosives
22700500	Maintenance				Detectors, Weapons
22700600	Metals Joining (Other Than Welding)				Hydraulic Systems
22700700	Welding, Dry Box	24300050	Circuit Breakers, Enclosed	26230030	Instruments, Radiation Detection
22700800	Welding, Wet	24300100	Circuit Breakers, Molded Case	26230060	Radiochemistry Labs, Mobile
	Document Storage & Retrieval —see <i>Computer Software; Records Management Systems</i>	24300150	Circuit Breakers, Power	26230070	Remote-Operated Vehicles
	Documentation, Photo, Plant —see <i>Video Services</i>	24300170	Circuit Breakers, SF6 Gas	26230740	Repair, Machinery
	Doors	24300200	Contactors	26230750	Scaffolding
22800030	Airlocks	24300300	Motor Control Centers	26230760	Spot-Coolers
22800050	Airtight Access	24300400	Panelboards	26230780	Underwater Cameras
22800100	Blast	24300500	Relays	26230785	Vacuum Systems (HEPA Filtered)
22800150	Bullet-Resistant	24300600	Starters	26230790	Valve Testers (Off-Line)
22800170	Fireproof	24300650	Substations, Metal-Enclosed	26230800	Ventilation Systems, HEPA Filtered
22800200	Pressure-Resistant	24300700	Switchboards (Power Distribution)	26230850	Video Inspection Systems
22800250	Radiation-Shielded	24300800	Transient Voltage Surge Suppression Systems	26230900	Whole-Body Counting Units
22800300	Security		Electrical Engineering —see <i>Analysis; Computer Software; Consultants (Instrumentation & Elec.)</i>	26240	Equipment Sales, Surplus
22800330	Steam Generator Manway, Shielded		Electrical Heat Tracing —see <i>Heat Tracing, Electrical</i>		Erection Services —see <i>Construction/Engineering Services</i>
22800350	Tornado/Missile-Resistant		Electrical Insulation —see <i>Insulation</i>		Evaporative Coolers —see <i>Air-Conditioning & Ventilation Equipment</i>
22800400	Watertight		Electromagnetic Compatibility Testing —see <i>Testing Services</i>		Evaporators, Waste —see <i>Dryers, Wet Solids; Radioactive Waste Handling & Treatment Equipment</i>
	Doorway Monitors —see <i>Monitors, Radiation, Personnel</i>		Electrometers		Exchanges, Equipment —see <i>Equipment Exchanges</i>
	Dose Calibrators, Nuclear Medicine —see <i>Calibration Equipment</i>	24400	Electron Beam Generators —see <i>Generators; Process Irradiation Facilities</i>		Expansion Joints —see <i>Joints, Expansion; Maintenance & Repair Services</i>
	Dosimeter Chargers —see <i>Health Physics Equipment</i>		Electron Tubes —see <i>Tubes</i>		Expert Systems —see <i>Computer Software; Remote Control, Handling & Positioning</i>
	Dosimeters, High-Range —see <i>Health Physics Equipment</i>		Electronic Instrumentation & Supplies —also see <i>Analysis; Reactor Instrumentation</i>		Explosives Detectors —see <i>Detectors, Explosives</i>
	Dosimeters, Personnel —see <i>Health Physics Equipment; Monitors, Radiation, Personnel</i>	25000	Electronic Signal Isolators —see <i>Isolators, Electronic Signal</i>		Extensometers, Ultrasonic
	Dosimetry Phantoms —see <i>Health Physics Equipment</i>		Electropolishing —see <i>Cleaning Equipment; Decontamination Chemicals, Equipment</i>		Extruded Outlets (Pipe)
	Dosimetry Services —see <i>Health Physics Services</i>		Element Analysis —see <i>Analysis</i>		
	Dosimetry Systems, Computerized —see <i>Health Physics Equipment</i>		Emergency Lighting Systems —see <i>Lights, Lighting</i>	26390	
	Drafting Services			26410	

F

- Fabric Structures**—see *Structures, Fabric, Tensioned*
- Fabricated Metal Components**—see *Metal Components & Structures*
- 26500 **Fabricating Equipment, Metal & Ceramic**
- 26550 **Fabrics, Flame-Retardant**—also see *Fireproofing Materials*
- Face Mask Communications**—see *Communications Systems*
- Failure Analysis**—see *Analysis; Computer Software; Testing Services*
- 26600 **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*
- 29360 **Foreign Material Exclusion**
- 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*
- 33200 **Fuel Assembly Repair**—see *Maintenance & Repair Services*
- 29900 **Fuel Channels**
- 30000 **Fuel Element Cladding**
- Fuel Element Consolidation (Spent Fuel)**
- 30040100 Services
- 30040200 Systems
- Fuel Element Grids**—see *Grids*
- Fuel Element Inspection Services**—see *Inspection Services*
- Fuel Element Inspection Systems**—see *Fuel Handling Equipment*
- Fuel Element Monitoring Systems**—see *Monitors, Other Than Radiation; Reactor Instrumentation*
- 30450100 **Fuel Element Support Structures**—see *Grids*
- 30450200 **Fuel Elements, Fabricated**
- Conventional
- Mixed Oxide
- Fuel Handling Equipment & Systems**—also see *Fuel Element Consolidation; Reprocessing Equip.*
- 30500050 Computer Control Systems
- 30500100 Fuel Transfer Equipment
- 30500200 In-Pile Inspection & Manipulation
- 30500250 Quick Closures, Fuel Transfer Tube
- 30500300 Refueling Equipment
- 30500350 Refueling Shielding
- 30500400 Service Platform Modification/Upgrade
- 30600 **Fuel Management Services**—also see *Analysis; Computer Software; Consultants; Training*
- 30700 **Fuel Marketing Services**
- Fuel Performance Analysis**—see *Analysis*
- Fuel Pool Gates**—see *Gates, Pool*
- Fuel Pool Liner**—see *Liners, Pool*
- Fuel Reprocessing**—see *Reprocessing, Fuel; Reprocessing Equipment, Fuel*
- Fuel Shipping Containers**—see *Containers*
- Fuel Storage Racks**—see *Racks*
- Fuel Storage Services**—see *Storage Services*
- Fuel Transfer Equipment**—see *Fuel Handling Equipment*
- 31400 **Fume Hoods**
- Furnaces**—also see *Radioactive Waste Treatment Equipment*
- 31600100 Hot Press Sintering
- 31600150 Nuclear Fuel Sintering
- 31600180 Stress Relieving
- 31600200 Vacuum
- 31650 **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*
- 32250050 Adsorbers
- 32250100 Circulators
- 32250200 Gas Generators
- 32250250 Hydrogen Combiners
- 32250300 Mixers, Proportioners
- 32250350 Off-Gas Treatment Systems
- 32250400 Purifiers
- Gas Sampling Systems**—see *Pumps, Other; Samplers*
- 33200 **Gases**
- Gases, Calibration, Radioactive**—see *Radioisotopes*
- Gaskets**—see *Seals*
- Gate Monitors**—see *Monitors, Radiation, Area*
- Gates, Pool**
- Gates, Security**—see *Security Structures*
- Gauges**
- 33400 **Gearboxes**
- 33500 **Geiger-Mueller Tubes**—see *Detector Heads*
- 34200 **Generators and Turbines, Emission Control**
- 34400 **Generators, Electron Beam**—also see *Process Irradiation Facilities*

- Generators, Gas**—see *Gas Handling Equipment*
- Generators, Microwave**—see *Fusion Reactor Components & Systems*
- 34800 **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*
- 35800 **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*
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- ## 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 Changers, 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
- 37600680 Tube Plugs
- 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*
- Heat Treating Services**
- Heaters, Electric Resistance**
- Heaters, Feedwater**
- 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
- 38600100 **Hot-Cell Wall Plugs, Sleeves**—also see *Shielding Materials*
- 39300 Lighting fixtures
- 39400 **Hot Laboratories**
- 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; Meteorolog. 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*
- 40700 **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
- 40900074 Electrical, Electromechanical Equipment
- 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
- 40900510 Reality, Augmented
- 40900520 Reality, Virtual
- 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*
 41000 **Instrument Services**—also see *Calibration Services; Health Physics Services*
Instrumentation, Electronic—see *Electronic Instrumentation & Supplies*
Instrumentation, Misc.
 41015100 Analyzer, Total Uranium (Water, Urine)
Instrumentation, Reactor—see *Reactor Instrumentation*
Instrumentation, Seismic—see *Seismic Instrumentation*
Instruments, Particle-Measuring—see *Particle-Measuring Instruments*
 41100 **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*
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*
Licensing—see *Consultants; Training*
Lifts, Aerial
Lights, Lighting
 45550100 Construction
 45550110 Containment LED
 45550150 Emergency
 45550155 Explosion-Proof
 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*
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
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*
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
54750050 Breathing
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*
Mops, Roll, Tacky—see *Health Physics Equipment*
- 55200 **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*
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- ## 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
- Neutron Activation Analysis Services**
Neutron Activation Flux Wires & Foils
Neutron Detectors, Reactor
- 55500 Ex-Core
55500 In-Core
55500 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*
56900 **Nuclear Steam Supply Systems**
56950 **Nuclear Technology Policy**
Nucon Smears—see *Health Physics Equipment & Supplies*
Nuts—see *Fasteners*
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- 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*
Pants—see *Clothing, Protective*
58000 **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 & Lumber Monitors—see *Monitors, Radiation, Area & Special-Purpose*
Pipe Pressure Tester—see *Testers, Pressure, Pipe*
60100 **Pipe Whip Restraints**
60150 **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*
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*
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*
- 64480 **Pump Face Seal Protection**
- 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*
- 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
- 68950600 Ultra High Activity
- 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**
- 69130
- 69140
- Ratemeters-Scalers**
- Reactor Cavity Pool Seals**—see *Seals*
- Reactor Containment Structures**—see *Containment Structures, Reactor*
- Reactor Core Structurals**—see *Core Structurals*
- Reactor Cores**—see *Cores, Reactor*
- Reactor Heat Recovery Level Monitors**—see *Monitors, Other than Radiation*
- Reactor Instrumentation & Monitoring Systems**—also see *Electronic Instrumentation*
- 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*
- 71100 **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*
- 71300 **Refractories, High-Purity, High-Temperature**
- 71500 **Refrigeration**—also see *Air-Conditioning; Cooling Systems, Body; Sample Coolers*
- Refueling Equipment**—see *Fuel Handling Equipment*
- Refueling Services**
- Regeneration, Resin**—see *Waste Management Services*

71900 **Regulators, Air Pressure**
 72000 **Regulators, Feedwater**
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*
Research Reactors—see *Reactors*
 73450 **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
 73550150 Breathing Air Testing
 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*
 73670 **Rollers**
 73680 **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**

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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
 75000 **Scintillation Plastics**
 75010 **Scintillation Solution, Liquid**
 75030 **Scintillators**—see *Counters; Detector Heads*
Scopes, Viewing—see *Remote-Viewing Instruments*
Scrap Melting—see *Waste Management Services*
Screening, Investigation—see *Consultants; Security Services*
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*
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
Security for Emergencies and Evacuation
Security Services—also see *Audits; Computer Software; Consultants; Testing, Psych.; Training*
 75500 **Analysis**
 75550 **Engineering**
 75600080 Guards
 75600100 Screening & Investigation
 75600150 **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
 75850815 Vehicles
 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		Software, Computer —see <i>Computer Software</i>		Storage Racks, Fuel —see <i>Racks, Fuel Storage</i>
	Shears, Velocity Limiter —see <i>Solid Waste Reduction Equipment</i>		79350 Solenoids		Storage Services
	Sheeting, Plastic —see <i>Health Physics Equipment & Supplies; Protective Coverings</i>		79360050 Containment	81680100 Equipment	
77700	Shells, Pressure Vessel		79360100 Control Rod Crushers, Reducers	81680200 Fresh Fuel	
77750	Shielding Design, Radiation —also see <i>Analysis; Consultants</i>		79360200 Neutron Window Reducers	81680300 Spent Fuel	
	Shielding Materials, Rad. —also see <i>Containers; Doors; Metals, Lead; Neut. Absorbers; Windows</i>		79360250 Packaging	81680400 Uranium, Enriched	
			79360300 Stellite Ball Punches	81680500 Uranium, Natural	
77800030	Acrylic Sheeting Products, Beta-Shielding		79360400 Underwater Reduction Tools		Storage Systems, Energy —see <i>Energy Storage Systems</i>
77800050	Aggregates, High-Density Concrete		79360500 Velocity Limiter Shears		Storage Systems, Spent-Fuel —also see <i>Containers; Racks</i>
77800100	Blankets		Sorbents	81710100 Dry	
77800150	Blocks, Concrete, Lead-Core		79370100 Environmental Spill	81710200 Wet	
77800200	Blocks, Modular		79370400 Liquid Radwaste		Storage Tank Diaphragms —see <i>Diaphragms, Storage Tank</i>
77800220	Boron Carbide Grain & Shapes		Source Encapsulation —see <i>Encapsulation; Rad. Monitor. Serv.</i>		Storage Tanks —see <i>Tanks</i>
77800250	Bricks, Composite		Sorters, Sorting Tables, Radwaste —see <i>Radioactive Waste Handling</i>		Strain Gauge Testing —see <i>Testing Services</i>
77800300	Bricks, Lead		Sources, Ion —see <i>Ion Sources</i>		Strainer/Sump Blockage Analysis —see <i>Analysis</i>
77800350	Castable Shielding Materials		Sources, Radioactive —see <i>Radioisotopes; Testing Services</i>		Strainers —also see <i>Interceptors</i>
77800400	Castings, Composite		79740 Spare & Replacement Parts (Secondary Sources)	81790025 ECCS	
77800450	Castings, Lead		Spare Parts Systems —see <i>Consultants; Records Management Systems</i>	81790100 Lubricating Oil, Basket, Manual	
77800470	Castles, Lead		Spectrometers —see <i>Mass Spectrometers; Neutron Spectrometers</i>	81790150 Solids, Hair, Debris	
77800500	Collars, Streaming		79850 Spectroscopy Systems —also see <i>Amplifiers</i>	81790200 Suppression Pool	
77800550	Container Wraps		Spent-Fuel Consolidation —see <i>Fuel Element Consolidation</i>	81790300 Water, Automatic	
77800600	Criticality Control		Spent-Fuel Reprocessing —see <i>Reprocessing</i>	81790400 Water, Basket, Manual	
77800620	Curtain Shields		Spent-Fuel Storage —see <i>Racks; Storage Services; Storage Systems, Spent-Fuel</i>		Straining Filters, Cloth —see <i>Filters</i>
77800630	Encapsulation		Spray Nozzles —see <i>Nozzles</i>		Strapping Tape, Reinforced (Nuclear) —see <i>Tape</i>
77800640	Fiber		Spray Ponds —see <i>Ponds</i>		Streaming Collars —see <i>Shielding Materials</i>
77800645	Foam		80200 Splitters, Electronic Signal —also see <i>Electronic Instrumentation & Supplies</i>		Stress Analysis —see <i>Analysis</i>
77800650	Frisker Shields		80400 Springs		Stress, Personnel —see <i>Consultants; Health Phys. Serv.; Security Serv.; Testing, Psych.</i>
77800670	Gamma/Neutron Composite		Stability Monitoring Systems —see <i>Reactor Instrumentation & Monitoring Systems</i>		Stress-Relieving Equipment —also see <i>Furnaces</i>
77800680	Glass, Radiation Resistant		Stack Effluent Monitors —see <i>Monitors, Radiation, Area</i>		Strip Chart Recorders —see <i>Data Readout Devices</i>
77800685	Glass, Scintillating, Radiation Resistant		80520 Stacks, Off-Gas		Structural Analysis —see <i>Analysis</i>
77800690	Glass, X-ray		Stair Treads —see <i>Gratings</i>		Structural Supports, Component
77800710	In-Vessel Shields		Standards		Structurals, Reactor Core —see <i>Core Structurals</i>
77800715	Lead Free		Staffing —see <i>Employment/Personnel Support Services</i>		Structures, Fabric, Tensioned
77800720	Lead Plastic		80565600 Testing		Stud Drive Tool —see <i>Tools</i>
77800725	Lenses, Radiation Resistant		Standards, Radiation —see <i>Radioisotopes</i>		Stud Hole Plugs —see <i>Plugs</i>
77800730	Low-Level Shields, Lead/Steel		Stand-by Generators —see <i>Generators</i>		Stud Removal Systems (RPV) —see <i>Reactor Service Tools</i>
77800750	Pipe Wraps/Sleeves		Starters —see <i>Electrical Distribution & Control Equipment</i>		Stud Tensioners —see <i>Tensioners</i>
77800800	Plugs, Closures		80600 Startup Services		Studs —see <i>Fasteners</i>
77800805	Polyethylene		Steam Analyzers —see <i>Analyzers</i>		Sump/Strainer Blockage Analysis —see <i>Analysis</i>
77800807	Polyethylene, Borated		Steam Condensers —see <i>Condensers; Condensing Pots</i>		Superconducting Wire —see <i>Wire</i>
77800820	Refueling Shields		Steam Generator Leak Rate Monitors —see <i>Monitors, Other Than Radiation</i>		Superheaters, Power Plant —also see <i>Desuperheaters</i>
77800850	Thermal Neutron Materials		Steam Generator Maintenance & Repair		Support Services, Technical & Professional —see <i>Employment; Health Physics Services</i>
77800870	Tungsten Alloys		80730100 Cleaning		Support Structures, Fuel Element —see <i>Grids</i>
77800900	Wall Panels		80730150 Computer Software		Supports —see <i>Brackets, Supports; Pipe Hangers & Supports</i>
77800950	Water Shields, Modular (Gamma/Neutron)		80730170 Eddy Current Testing		Surface-Conditioning Products (Cleaning, Touchup, Weld Prep, etc.) —see <i>Abrasives, Non-Woven</i>
77830	Shim Stock		80730185 Girth Weld Maintenance		Survey Meters —see <i>Monitors, Radiation, Area</i>
	Shipping Containers —see <i>Containers</i>		80730200 In-Service Inspection		Swipes —see <i>Health Physics Equipment & Supplies</i>
	Shirts —see <i>Clothing, Protective</i>		80730250 Manway Cover Handling Equipment		Switchboards (Power Distribution) —see <i>Electrical Distribution & Control Equipment</i>
77860	Shock Absorbers, Piping (Water Hammer) —also see <i>Snubbers</i>		80730280 Nickel Electroplating		Switches
	Shoes, Shoe Covers —see <i>Clothing, Protective</i>		80730290 Penetrations, Nozzles, & Handholds	82950020 Differential	
			80730300 Plugging	82950030 Float	
77900	Shoring —also see <i>Scaffolding</i>		80730350 Replacement	82950040 Flow	
	Signal Generators —see <i>Generators, Signal</i>		80730400 Sleeving	82950080 High-Temperature	
	Signals, Warning —see <i>Alarms</i>		80730450 Tube Expansion	82950120 High-Voltage	
	Signs, Warning, Radiation —see <i>Health Physics Equipment & Supplies</i>		80730500 Tube Extraction	82950160 Key-Operated	
78100	Silencers, Steam Safety Valve		80730550 Tube Heat Treatment	82950200 Knife	
78200	Silicone		80730600 Tube Shot Peening	82950240 Limit	
78400	Simulators, Power Plant & Reactor —also see <i>Consultants; Mockup Design</i>		Steam Generator Nozzles, Nozzle Dams —see <i>Nozzles</i>	82950280 Liquid Level	
78450	Simulators, Radiation		Steam Generator Sleeves —see <i>Tubing</i>	82950320 Magnetic	
	Single-Channel Analyzers —see <i>Analyzers</i>		Steam Generators, Power Plant	82950360 Mercury	
	Sirens —see <i>Emergency Warning Systems; Inspection Services; Testing Services</i>		Steam Generators, Stand-by, Auxiliary	82950400 Momentary Contact	
	Siting —see <i>Analysis; Consultants</i>		Steam Separators, Power Plant	82950440 Power	
78700	Sleeves, Wall (Pipe) —also see <i>Hot Cell Wall Plugs, Sleeves</i>		Stellite Ball Punches —see <i>Solid Waste Reduction Equipment</i>	82950480 Pressure	
	Sludge Analyzers —see <i>Analyzers</i>		Stem Gland Packing Systems —see <i>Valve Stem Gland Packing Systems</i>	82950500 Pressure, Differential	
	Slurry Pumps —see <i>Pumps, Other</i>		Stills, Water	82950520 Programmable	
	Smears, Swipes —see <i>Health Physics Equipment & Supplies</i>		Storage Facilities, Waste —see <i>Radioactive Waste Treatment Equipment</i>	82950560 Proximity Limit	
	Snubber Repair —see <i>Maintenance & Repair Services; Testing Services; Training</i>				
	Snubbers				
79000030	Fuel Storage Rack	80800			
79000050	Gauge	80900			
79000070	High-Vibration	81000			
79000080	Hydraulic				
79000100	Large Equipment				
79000150	Pipe Support				
79200	Sodium-Handling Equipment				
	Sodium Hypochlorite Generators —see <i>Water Treatment Equipment</i>	81600			
	Sodium Pumps —see <i>Pumps, Other</i>				

82950600 Push Button
 82950640 Reed
 82950680 Rocker
 82950720 Rotary
 82950740 Safety
 82950760 Slide
 82950800 Solenoid
 82950840 Solid-State
 82950860 Temperature
 82950880 Toggle
 82950920 Vacuum

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
Test Loops—see *Loops, Test*
 84430 **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**
 84900 **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*
 86070 **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*
 86250 **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
 86300385 Human Performance
 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
Hydraulic
Pneumatic
- Transformers**
Control, Power
Dry Type
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**
Consulting/Transport Management
Heavy Components
Intermodal/Rail
Liners
Radioactive, High-Level
Radioactive, Low-Level
Regulation
Safety
UF6/U3O8
- Trash Racks**—see *Water Intake Facilities*
Traveling Screens—see *Water Intake Facilities*
- Trays**
Cable
Covers
Side Rails
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**
Commercial Grade
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
88100050 Heat Exchanger
88100100 Stainless
88100200 Stainless, Seamless
88100300 Steam Generator
88100310 Steam Generator Sleeves
88100340 Titanium
88100350 Titanium, Seamless
88100400 Zirconium Alloy
- Tubing Clamps, Supports**
Commercial Grade
Seismic
- Tubing, Plastic**—see *Health Physics Equipment & Supplies*
- Turbine-Coupling Bolts**—see *Bolts*
- 89400 **Turbine Gears**
89500 **Turbine-Generators (Including Stators & Rotors)**
89510 **Turbines, Feedwater Pump**
Turnstiles—see *Security Structures*
-
- ## 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*
-
- ## 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)**
Accessories/Positioners
Air
Electric Solenoid
Electrohydraulic
Explosive-Activated
Hydraulic
Manual
Motor
- 90250020 **Valve Packing Removal Equipment**
90250050 **Valve Position Detectors**—see *Detectors*
90250070 **Valve-Reseating Equipment, On-line**
90250080 **Valve Stem Gland Packing Systems, Live-Loaded**
90250090 **Valve Tags**—see *Tags*
90250100 **Valve Testing**—see *Maintenance Services; Test Equipment*
90250100 **Valves, Backwater**—see *Valves, Other*
90250110 **Valves, Ball**—see *Valves, Other*
90250120 **Valves, Butterfly**—see *Valves, Other*
90250130 **Valves, Check, Stop Check**
90250140 **Valves, Butterfly**
90250150 **Valves, Ball**
90250160 **Valves, Butterfly**
90250170 **Valves, Ball**
90250180 **Valves, Butterfly**
90250190 **Valves, Ball**
90250200 **Valves, Butterfly**
- 90600020 **Valves, Ball**
90600050 **Valves, Butterfly**
90600070 **Valves, Ball**
90600075 **Valves, Butterfly**
90600080 **Valves, Ball**
90600100 **Valves, Butterfly**
- 90600150 **Valves, Ball**
90600160 **Valves, Butterfly**
90600200 **Valves, Ball**
- 90800050 **Valves, Control**
Flow
90800060 **Valves, Control**
Flow, Acoustic Emission
90800080 **Valves, Control**
Intelligent
90800100 **Valves, Control**
Pressure
90800150 **Valves, Control**
Temperature
90800200 **Valves, Control**
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
91000200 Wedge Type
- 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
91260870 Throttle Trip
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

W

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 *Analyzers*
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
93800309 Orbital
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*
95900140 Insulated, Oxide
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*