

52nd Annual NuclearNews Buyers Guide 2021 Index to Categories

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The Index to Categories is a standardized listing of the products and services that will be featured in the upcoming 2021 *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 add-

ed to your company profile.

New categories—those added since the 2020 Index to Categories—are indicated with a dagger (†).

*Companies with existing listings will need a unique link in order to access their online listing. Look for multiple email reminders from nnbgs@ans.org (starting in mid 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 "NNBG2021 link request" to obtain your custom URL.

Deadline: March 8

Remember, there is NO CHARGE for a company listing!

A					
	Abrases —also see <i>Cleaning Equipment</i>				
00300100	Bonded				
00300200	Coated				
00300250	Lapping & Polishing Grits				
00300300	Non-Woven Fiber				
00400	Absorbers, Nuclear Radiation —also see <i>Neutron Absorbers; Sorbents</i>				
	Accelerators & Accessories —also see <i>Nondestructive Testing</i>				
01300100	Accessories				
01300200	Electromagnetic				
01300300	Electrostatic				
01300400	Other				
01300500	Targets				
	Accelerometers —see <i>Indicators (Vibration); Seismic Instrumentation</i>				
	Access Control Systems, Personnel —see <i>Security Systems</i>				
	Acoustic Emission —see <i>Nondestructive Testing</i>				
	Acoustic Sensors —see <i>Sensors</i>				
	Activation Analysis —see <i>Neutron Activation Analysis Services</i>				
	Actuators —see <i>Valve Operators</i>				
	Adhesives				
02870100	Heat-Resistant				
02870150	Insulation-Related				
02870200	Radiation-Resistant				
02870300	Structural				
	Adsorbers, Gas —see <i>Gas Handling Equipment; Filters (Carbon; HEPA)</i>				
02910	Aerosol Neutralizers				
	Aggregate, High-Density Concrete —see <i>Shielding Materials</i>				
	Air Analyzers —see <i>Analyzers</i>				
	Air Bubble Detectors —see <i>Detectors</i>				
	Air-Conditioning & Ventilation Equip. —also see <i>Dampers; Filter Housings; Filters; Training</i>				
03000100	Air-Conditioning				
03000150	Air Distribution Nozzles				
03000200	Air Dryers				
03000300	Air Filtration Units				
03000320	Air Handling				
03000350	Chillers				
03000380	Condensing Units				
03000420	Dehumidifiers				
03000480	Ductwork				
03000540	Evaporative Coolers				
03000580	Fans & Blowers				
03000600	Louvers				
03000640	Ventilation				
03000700	Ventilation, Portable				
03000710	Ventilation, Test Equipment				
	Air Filters —see <i>Filters</i>				
	Air-Flow Control Dampers —see <i>Dampers</i>				
	Air Particulate Samplers —see <i>Samplers</i>				
	Air Pressure Regulators —see <i>Regulators</i>				
	Air Purification Systems —see <i>Respiratory Protection Equipment</i>				
	Air Sampling Pumps —see <i>Pumps, Other</i>				
	Airlocks —see <i>Doors</i>				
03180	Alarm Status Reporting & Control Systems				
	Alarm Systems —also see <i>Emergency Warning Systems; Security Systems</i>				
03200050	Anti-Intrusion				
03200100	Audible Signal				
03200130	Criticality				
03200150	Fire				
03200170	Flow Rate				
03200200	Level				
03200250	Limit				
03200300	Pressure				
03200350	Radiation				
03200400	Reactivity Transient				
03200430	Recorded Voice, Digital (Multiple Messages)				
03200450	Visual Signal				
03300	Alignment Systems, Rotating Machinery				
	Alloys —see <i>Metals, Other; Testing Services</i>				
	Aluminum —see <i>Metals, Other</i>				
03500	Ammeters, RMS, Tong Test Type Amplifiers				
03550050	CAMAC				
03550080	Digital Spectroscopy				
03550100	Direct Current				
03550200	Power				
03550250	Pressure				
03550300	Pulse				
03550400	Video				
03550500	Wide-Band				
	Analysis				
03800010	Asbestos				
03800030	Chemical				
03800035	† Computational Fluid Dynamics (CFD)				
03800040	Design Basis				
03800050	Electrical Distribution Systems				
03800060	Electrical Transients				
03800070	Electronic Construction				
03800080	Elemental, Isotopic				
03800120	Environmental				
03800160	Equipment Qualification				
03800200	Failure, Electrical/Electronic				
03800240	Failure, Metallurgical				
03800300	Finite Element				
03800320	Fracture Mechanics				
03800360	Fuel Cycle & Fuel Performance				
03800400	Geotechnical				
03800420	Helium				
03800440	Hydrological				
03800460	Loose Parts				
03800470	Lubrication				
03800480	Materials				
03800500	Noise				
03800520	Piping				
03800560	Plant Performance				
03800600	Reliability				
03800630	Resin, Ion Exchange				
03800640	Risk				
03800660	Root Cause				
03800680	Safety, Nuclear				
03800720	Safety, Plant				
03800760	Safety, Reactor				
03800800	Seismic				
03800830	Shielding				
03800850	Site Characterization				
03800860	Siting				
03800890	Stress				
03800900	Structural				
03800910	Sump/Strainer Blockage (Reg. Guide 1.82)				
03800920	Thermal				
03800930	Vessel & Components Neutron Fluence				
03800950	Vibration				
03800960	Waste				
03800970	Water				
03800980	Water Hammer				
	Analyzers				
04000100	Air				
04000150	Coincidence & Anti-Coincidence				
04000160	Density				
04000170	Dissolved Hydrogen				
04000180	Dissolved Oxygen				
04000200	Effluent				
04000300	Gas				
04000400	Gas, Containment				
04000420	Hydrazine				
04000450	Multi-Parameter				
04000500	Off-Gas Hydrogen				
04000600	Oxygen				
04000610	Portable Multichannel				
04000620	Post-Accident Sampling (O2 & H2)				
04000650	Pulse-Height, Multi-Channel				
04000660	Pulse-Height, Single-Channel				
04000700	Sludge				
04000750	Sodium				
04000800	Steam				
04000850	Time-of-Flight				
04000860	Total Organic Carbon				
04000870	Viscosity				
04000880	Waste-Gas, Oxygen & Hydrogen				
04000900	Water				
	Anchors —see <i>Construction Materials</i>				
	Anemometers —see <i>Meteorological Equipment</i>				
	Anunciators —see <i>Alarm Systems; Display Systems</i>				
	Anticoincidence Analyzers —see <i>Analyzers</i>				
	Aprons —see <i>Clothing, Protective</i>				

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
 06860480 Security Plan Efficiency
 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*
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*
Calorimeters
 09870 † **Camera Systems, Motion Magnification**
 09875 **Camera Systems, Radiation-Hardened**
 09880 **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*
 11400020 **Ceramic Products**
 11400050 **Chambers, Fission**—see *Fission Chambers*
Chambers, Ion—see *Counters; Detector Heads; Monitors, Radiation, Personnel*
 11400100 **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*
 11600 **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*
 11650100 **Circulators, Gas**—see *Gas Handling Equipment*
 11650200
 11650300

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*
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*
 11650100 Face Mask Accessories
 11650200 Headsets
 11650300 Paging

11650320	Repeated Message Tape/Speaker Boxes	12800920	Software Maintenance/Control	14000030	Coatings/Corrosion
11650350	Telephone Conferencing (Audio)	12800925	Software Packages	14000040	Communications, Management-Employee
11650360	Telephone Conferencing (Video)	12800930	Special Nuclear Material Tracking	14000050	Component/System Design & Analysis
11650400	Telephonic (Computerized Call./Ans.)	12800935	Spectroscopy	14000060	Computer Systems & Software
11650500	Two-Way Radio	12800940	Technical Specification Systems	14000070	Configuration Control
11680	Compact Discs, for Drums	12800950	Telerobotics	14000080	Contract Administration
11700	Compactors —also see <i>Radioactive Waste Treatment Equipment; Solid Waste Reduction Equip.</i>	12800960	Trending	14000090	Cranes & Hoists
	Compliance Support, Regulatory —see <i>Consultants; Health Phys. Serv.; Maint. & Repair Serv.</i>	12800965	Valve Performance Prediction	14000100	Criticality Hazard Evaluation
	Components, Metal —see <i>Metal Components & Structures</i>	12800970	Verification & Validation	14000110	Decontamination
	Compressed Air Pressure Vessels —see <i>Respiratory Protection Equipment; Vessels</i>	12800980	Waste Management	14000115	Decommissioning
	Compressors, Refrigerant —also see <i>Air Conditioning & Ventilation Equipment</i>	12800990	Water Chemistry Management	14000120	Design, Nuclear Facilities
12100100	Centrifugal		Computers & Accessories —also see <i>Data Acq. Sys.; Data Readout; Imaging, Digit.; Multiplexing</i>	14000125	Earth Science Services
12100200	Reciprocating	12900050	Analog	14000130	Economic Analysis, Trade-off Studies
12100300	Screw-Driven	12900060	Artificial Intelligence Systems	14000140	Emergency Planning & Response
12100400	Scroll	12900070	Color Graphics	14000150	Environmental
	Computer-Aided Design —see <i>Computer Services</i>	12900080	Converters	14000160	Equipment Condition Monitoring
12720	Computer and Cyber Security	12900100	Digital	14000170	Fire Protection
	Computer Services —also see <i>Imaging, Digital</i>	12900110	Disk Drives	14000180	Foreign Language Interpretation & Translation
12750020	Computer-Aided Design	12900120	Expert Systems	14000200	Fuel Cycle & Fuel Performance
12750030	Computer-Aided Software Engineering	12900130	Hand-Held	14000210	Fuel Transport/Storage
12750050	Computer Procurement Assistance	12900150	Hybrid	14000240	Heat Transfer & Fluid Flow
12750100	Data Collection, Acquisition	12900500	Input/Output Interface Units	14000260	Human Factors Engineering
12750200	Installation/Changeout	12900540	Main Frame	14000290	Hydraulics
12750250	Network Services	12900550	Mass Storage Units	14000310	Hydrodynamics
12750300	Procedures Preparation	12900610	Micro	14000320	Independent Project Reviews
12750400	Project Management	12900650	Microprocessor Circuit Boards	14000330	Instrumentation and Electrical
12750440	Quality Assurance	12900660	Mini	14000335	Inventory Management
12750445	Software Safety	12900750	Printers	14000340	ISO Compliance
12750500	Specifications Development	12900800	Tape Drives	14000345	License Renewal
	Computer Software —also see <i>Imaging, Digital; Records Management Sys.; Steam Gen. Maint.</i>	12900850	Video Display Units	14000350	Licensing
12800010	Artificial Intelligence		Concentrators —see <i>Radioactive Waste Handling & Treatment Equipment</i>	14000360	Lightning Protection
12800040	Cable Management	13050050	Contractors	14000370	Maintenance
12800060	Component Wear Detection	13050100	Equipment	14000380	Management Audit
12800080	Configuration Management/Control	13050150	Equipment Rental	14000400	Management Information & Control Systems
12800090	Construction Management		Concrete Leak Repair —see <i>Maintenance Services</i>	14000480	Meteorology
12800100	Contract Administration		Concrete Reinforcement, Bar & Mesh —see <i>Construction Materials</i>	14000490	Noise Abatement
12800120	Core/Thermalhydraulics		Condensate Polishing —see <i>Water Treatment Equipment</i>	14000495	Obsolescence Assessment
12800130	Corrective Action Tracking	13180	Condensers, Air-Cooled	14000500	Operations Analysis & Procedures Preparation
12800140	Critical Path Scheduling	13200	Condensers, Power Plant	14000510	Organization Development
12800160	Custom Development	13220	Condensing Pots, Steam	14000520	Outage Management
12800180	Data Base Management		Condensing Units —see <i>Air Conditioning & Ventilation</i>	14000525	Performance Measurement
12800220	Decontamination Management		Conductivity Meters —see <i>Meters</i>	14000530	Personnel Stress/Health
12800260	Dosimetry		Configuration Management —see <i>Computer Software; Consultants; Records Management Systems</i>	14000550	Piping
12800300	Drawing & Document Control		Connectors —also see <i>Feedthroughs</i>	14000560	Plant Life Extension
12800330	Economic Analysis	13400020	Data Communications	14000570	Plant Performance
12800340	Education/Training	13400100	Electrical	14000580	Preventive Maintenance
12800360	Electrical Analysis	13400200	Electrical, Glovebox	14000590	Procurement Support
12800380	Emergency Planning	13400250	Electrical, Quick Disconnect	14000598	Professional Development
12800420	Emergency Response (In-Plant)	13400300	Fiber Optic	14000600	Project Planning & Management
12800460	Engineering Analysis	13400400	Thermocouple	14000605	Proposal Management
12800465	Engineering Management	13600	Consoles, Control	14000610	Prudence Studies
12800500	Environmental Monitoring		Construction Materials	14000620	Qualification, Commercial Grade (Dedication)
12800510	Equipment Status/Tagout Tracking	13700040	Anchors, Chemical (Epoxy)	14000630	Quality Assurance/Quality Control
12800520	Expert Systems	13700060	Anchors, Concrete	14000640	Radiation Management
12800530	Fault-Tolerant Automatic Control	13700080	Asbestos-Free Fiber Cement	14000650	Radiological Engineering
12800550	Failure/Root Cause Trending	13700120	Concrete	14000720	Records Management Systems
12800560	Fire/Safety	13700150	Concrete Reinforcement, Bar (Rebar)	14000730	Reengineering, Organization
12800570	Fuel Accounting	13700200	Concrete Reinforcement, Mesh	14000740	Regulatory Compliance
12800580	Fuel Performance/Management	13700250	Lumber, Fire-Retardant-Treated	14000770	Reliability
12800590	Heat Exchanger Modeling	13700280	Refractory	14000780	Research Services, Nuclear
12800600	In-Service Inspection	13700300	Splices, Rebar	14000790	Risk Analysis
12800610	Instrument Calibration	13700350	Steel, Structural—also see <i>Metals, Steel</i>	14000810	Safety, Nuclear
12800620	Inventory Control (Equipment, Supplies, etc.)		Construction/Engineering Services —also see <i>Consultants; Maintenance Services</i>	14000830	Safety, Plant
12800660	Maintenance Control	13850100	Architect-Engineers	14000840	Safety, Reactor
12800700	Management (Station)	13850150	Civil Engineers	14000870	Security
12800720	Operator Scheduling	13850200	Construction Services	14000880	Seismic
12800740	Piping System Design & Analysis	13850300	Engineer-Constructors	14000880	Shielding
12800780	Plant Design	13850400	Erection Services	14000890	Simulation Services
12800820	Plant Performance		Consultants —also see <i>Analysis; Construction/Engineering Services; Training</i>	14000900	Siting
12800840	Procedure Status/Tracking	14000010	Air Cleaning, Filtration	14000920	Spare Parts Systems
12800850	Project Management	14000015	† Business Development	14000930	System Engineering-Requirements Analysis
12800860	Quality Assurance/Quality Control	14000020	Chemical Process Design	14000950	Systems Testing
12800870	Radiological Control/Health Physics			14000960	Training Evaluation, Management
12800880	Reliability Analysis				Trend Analysis & Corrective Action Programs
12800890	Reportability Evaluation			14000965	† Vibration
12800900	Risk Analysis			14000970	Waste Management
12800905	Root Cause Analysis			14000990	Water Treatment
12800910	Security				Contactors —see <i>Electrical Distribution & Control Equipment</i>
12800915	Simulation				Containers —also see <i>Radioactive Waste Handling; Shielding Materials; Testing Services</i>
				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**
Corrosion—see *Coatings; Consultants; Testing Services*
 17600 **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*
 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*
Deminerallizer Equipment—see *Water Treatment Equipment*
Deoxygenation—see *Water Treatment Equipment*
Design, Computer-Aided—see *Computer Services*
Design, Nuclear Facilities—see *Consultants*
Desuperheaters
Detector Heads, Sold Separately
 21200 BF3 Neutron Counters
 21270050 Geiger-Mueller Tubes/Probes
 21270100 He3 Neutron Counters
 21270150 Ionization Chambers
 21270200 Photomultiplier Tubes
 21270230 Proportional Counters
 21270250 Self-Powered Type
 21270280 Scintillation Counters, Liquid
 21270310 Scintillation Counters, Solid-State
 21270320 Solid-State Semiconductor Type
 21270350
 21300 **Detectors, Accelerator Beam**
 21310 **Detectors, Aerosol/Particulate**
 21320 **Detectors, Air Bubble (In Liquid)**
Detectors, Explosives—also see *Equipment Rental*
 21370100 Hand-Held
 21370200 Walk-Through

D
Dampeners, Pulsation—see *Pulsation Dampeners*
Dampers

19450100 Air-Flow Control

Detectors, Leak—also see *Tape, Moisture-Sensitive*
 21400050 Acoustic
 21400100 Bubble Test
 21400200 Electron Capture (SF/6)
 21400230 Gas
 21400250 HEPA Filter
 21400350 Integrated Leak Rate Testing
 21400400 Mass Spectrometer (He)
 21400500 Pressure Change
 21500 **Detectors, Metal**
Detectors, Radiation—see *Counters, Detectors; Detector Heads; Monitors*
 22150 **Detectors, Resistance Temperature**—also see *Thermowells*
 22200 **Detectors, Valve Position**
Detergents—see *Decontamination Chemicals, Equipment & Processes*
 22410 **Dewatering Systems & Supplies**—also see *Waste Mgmt. Services*
Dew Point—see *Hygrometry Instrumentation*
 22430 **Diaphragms, Storage Tank**
Diesel Generators, Stand-by—see *Generators*
Digital Imaging—see *Imaging, Digital*
Digital Spectroscopy Amplifiers—see *Amplifiers*
Disks, Compactor—see *Compactor Disks, for Drums*
Displacement Transducers—see *Transducers*
 22660 **Display Systems, Annunciators**
Disposal, Radwaste—see *Waste Management Services*
Diving Services
 22700100 Cutting/Burning
 22700200 Decontamination
 22700300 Equipment Installation/Realignment
 22700400 Grouting
 22700450 Inspection
 22700500 Maintenance
 22700600 Metals Joining (Other Than Welding)
 22700700 Welding, Dry Box
 22700800 Welding, Wet
Document Storage & Retrieval—see *Computer Software; Records Management Systems*
Documentation, Photo, Plant—see *Video Services*
Doors
 22800030 Airlocks
 22800050 Airtight Access
 22800100 Blast
 22800150 Bullet-Resistant
 22800170 Fireproof
 22800200 Pressure-Resistant
 22800250 Radiation-Shielded
 22800300 Security
 22800330 Steam Generator Manway, Shielded
 22800350 Tornado/Missile-Resistant
 22800400 Watertight
Doorway Monitors—see *Monitors, Radiation, Personnel*
Dose Calibrators, Nuclear Medicine—see *Calibration Equipment*
Dosimeter Chargers—see *Health Physics Equipment*
Dosimeters, High-Range—see *Health Physics Equipment*
Dosimeters, Personnel—see *Health Physics Equipment; Monitors, Radiation, Personnel*
Dosimetry Phantoms—see *Health Physics Equipment*
Dosimetry Services—see *Health Physics Services*
Dosimetry Systems, Computerized—see *Health Physics Equipment*
Drafting Services
 23850050 Computerized
 23850100 Conventional
Drain Socks—see *Health Phys. Equip.*
Drains & Accessories
 23900100 Floor
 23900130 Floor Drain Cover Plates
 23900160 Floor Drain I.D./Warning Plates
 23900200 Leak Detector
Drawing Control—see *Computer Software; Records Management*
Drives, Control Rod—see *Control Rod Drives; Reactor Service Tools*
 24000 **Drives, Variable-Speed**

Drug Testing—see *Audits, Fitness-for-Duty; Security Services*
Drum Breather Filters—see *Containers*
Drum Capping Machines, Remote—see *Rad. Waste Handling Equip.*
Drum Cutting Machines—see *Radioactive Waste Handling & Treatment Equipment*
 24080 **Drum Locking Devices**
Drum Monitors—see *Monitors, Radiation, Area & Special-Purpose*
Drum Washing Systems—see *Rad. Waste Handling Equip.*
Drums, Drum Inserts—see *Containers*
Dry Cleaning—see *Health Physics Equipment; Health Physics Services*
Dryers, Air—see *Air-Conditioning & Ventilation Equipment*
 24170 **Dryers, Wet Solids**—also see *Calciners; Radioactive Waste Handling & Treatment Equipment*
 24180 **Duct, Cable Bus**
 24190 **Duct, Wiring, Plastic**
Ductwork—see *Air-Conditioning & Ventilation Equipment*
Dye Penetrant Testing—see *Nondestructive Testing*

E

Earth Science Services—see *Consultants*
Economic Analysis—see *Consultants*
Education—see *Training*
 24250 **Eductors, Containment Spray**
Effluent Analyzers—see *Analyzers*
 24270 **Ejectors**
Electrical Cable—see *Cable*
Electrical Distr. & Control Equip.—also see *Control Equip.; Reactor Instr.; Transformers*
 24300050 Circuit Breakers, Enclosed
 24300100 Circuit Breakers, Molded Case
 24300150 Circuit Breakers, Power
 24300170 Circuit Breakers, SF6 Gas
 24300200 Contactors
 24300300 Motor Control Centers
 24300400 Panelboards
 24300500 Relays
 24300600 Starters
 24300650 Substations, Metal-Enclosed
 24300700 Switchboards (Power Distribution)
 24300800 Transient Voltage Surge Suppression Systems
Electrical Engineering—see *Analysis; Computer Software; Consultants (Instrumentation & Elec.)*
Electrical Heat Tracing—see *Heat Tracing, Electrical*
Electrical Insulation—see *Insulation*
Electromagnetic Compatibility Testing—see *Testing Services*
Electrometers
Electron Beam Generators—see *Generators; Process Irradiation Facilities*
Electron Tubes—see *Tubes*
 25000 **Electronic Instrumentation & Supplies**—also see *Analysis; Reactor Instrumentation*
Electronic Signal Isolators—see *Isolators, Electronic Signal*
Electropolishing—see *Cleaning Equipment; Decontamination Chemicals, Equipment*
Element Analysis—see *Analysis*
Emergency Lighting Systems—see *Lights, Lighting*
Emergency Medical Equipment Services—see *Health Physics Equipment; Health Physics Services*
Emergency Planning—see *Computer Software; Consultants; Training*
Emergency Response Equipment
 25250100 Radiation Detection/Survey Meters
Emergency Warning Systems (Public)—also see *Communications*
 25300100 Sirens, Electronic
 25300200 Sirens, Mechanical
 25300210 System Readiness Reporting Systems
 25300220 Telephonic, Computerized
 25300250 Tone Alerting Radios
 25300300 Voice Alert (Public Address)
 25350 **Emergency Warning Systems (Worker)**

Employment/Personnel Support Services—also see *Consultants*
 25400050 Agencies
 25400150 Craft Labor Support, Temporary
 25400250 Executive Recruitment
 25400300 Full-Time Permanent Personnel
 25400350 Technical, Professional Support, Temporary
 25600 **Encapsulation, Radioactive Source**
Enclosures, Radiological Containment—see *Health Physics Equipment*
Encryption Systems, Alarm—see *Alarm Systems*
Energy Flow Meters—see *Meters*
 25700 **Energy Storage Systems, Thermal**
Engineering Services—see *Consultants; Construction/Engineering Serv.; Health Physics Serv.*
Enrichment—see *Uranium Enrichment*
Environmental Analysis—see *Analysis; Consultants; Health Physics Services*
Environmental Laws & Regulation—see *Training*
 26080 **Environmental Monitoring Equipment**—also see *Meteorological Equip.; Monitors, Radiation, Area*
 26100 **Environmental Monitoring Services**—also see *Health Physics Serv.; Rad. Monitoring Serv.*
Environmental Qualification—see *Testing Services*
Environmental Test Equipment—see *Test Equipment*
Equipment Condition Monitoring—see *Consultants; Testing Services*
 26190 **Equipment Exchanges**
Equipment Qualification—see *Analysis; Computer Software; Testing Services*
Equipment Rental
 26230030 Air Conditioning
 26230060 Chillers
 26230070 Containers
 26230080 Cooling Towers
 26230100 Detectors, Explosives
 26230150 Detectors, Weapons
 26230200 Hydraulic Systems
 26230300 Instruments, Radiation Detection
 26230700 Radiochemistry Labs, Mobile
 26230730 Remote-Operated Vehicles
 26230740 Repair, Machinery
 26230750 Scaffolding
 26230760 Spot-Coolers
 26230780 Underwater Cameras
 26230785 Vacuum Systems (HEPA Filtered)
 26230790 Valve Testers (Off-Line)
 26230800 Ventilation Systems, HEPA Filtered
 26230850 Video Inspection Systems
 26230900 Whole-Body Counting Units
 26240 **Equipment Sales, Surplus**
Erection Services—see *Construction/Engineering Services*
Evaporative Coolers—see *Air-Conditioning & Ventilation Equipment*
Evaporators, Waste—see *Dryers, Wet Solids; Radioactive Waste Handling & Treatment Equipment*
Exchanges, Equipment—see *Equipment Exchanges*
Expansion Joints—see *Joints, Expansion; Maintenance & Repair Services*
Expert Systems—see *Computer Software; Remote Control, Handling & Positioning*
Explosives Detectors—see *Detectors, Explosives*
Extensometers, Ultrasonic
 26390 **Extruded Outlets (Pipe)**
 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*
- 33200 **Frisker Shields**—see *Shielding Materials*
Friskers—see *Monitors, Radiation, Personnel*
Fuel Assay Equipment—see *Assay Equipment*
Fuel Assembly Repair—see *Maintenance & Repair Services*
- 33360 **Fuel Channels**
Fuel Element Cladding
Fuel Element Consolidation (Spent Fuel)
Services
33400
33500
- 34200
34400 **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*
- 34800 **Fuel Element Support Structures**—see *Grids*
Fuel Elements, Fabricated
30450100 Conventional
30450150 † Fuel Electrical Simulator
30450200 Mixed Oxide
- Fuel Handling Equipment & Systems**—also see *Fuel Element Consolidation; Reprocessing Equip.*
- 35800 **Fuel Handling Equipment & Systems**—also see *Computer Control Systems*
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**
- 31400 **Fume Hoods**
Furnaces—also see *Radioactive Waste Treatment Equipment*
- 31600100 Hot Press Sintering
31600150 Nuclear Fuel Sintering
31600180 Stress Relieving
31600200 Vacuum
- 31650 **Furnitref, 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 Adsorbents
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
Gearboxes
Geiger-Mueller Tubes—see *Detector Heads*
Generators and Turbines, Emission Control
Generators, Electron Beam—also see *Process Irradiation Facilities*
Generators, Gas—see *Gas Handling Equipment*
Generators, Microwave—see *Fusion Reactor Components & Systems*
Generators, Neutron
Generators, Power—see *Thermionic Devices; Thermoelectric Devices; Turbine-Generators*
Generators, Signal
35650100 Digital Time Delay
35650200 Pulse
- Generators, Sodium Hypochlorite**—see *Water Treatment Equipment*
Generators, Stand-by—also see *Maintenance & Repair Services*
Generators, Steam—see *Steam Generators*
Geotechnical Analysis—see *Analysis*
Gland Packing Systems—see *Valve Stem Gland Packing Systems*
Glass, Radiation-Shielding—see *Shielding Materials; Windows*
Gloveboxes & Accessories—also see *Connectors, Electrical, Glovebox; Filters*
- 36000100 Base Units
36000200 Containers

36000300 Drain Assemblies
 36000350 Glovebag Containments
 36000400 Glove Rings
 36000500 Gloves
 36000600 Ports
Gloves—see *Clothing, Protective; Gloveboxes & Accessories*
Goggles—see *Clothing, Protective*
 36800 **Graphite**
Grapples
 36820100 Commercial Grade
 36820150 Drycask/Canister
 36820200 Nuclear (Remote-Operated)
 36850 **Gratings, Catwalks, Stair Treads**
Grease & Oil Interceptors—see *Interceptors*
 36870 **Grids, Fuel Element**
Grits, Lapping & Polishing—see *Abrasives; Nozzles*
 36900 **Grouts**
Guard Stations—see *Security Structures*
Guards—see *Security Services*

H

Hafnium—see *Metals, Other*
Hangers, Pipe—see *Pipe Hangers & Supports*
Harnesses, Safety—see *Fall Protection*
Hats—see *Clothing, Protective*
Health Physics Equipment & Supplies—also see *Counters; Monitors, Rad.; Resp. Prot.; Samplers*
 37130040 Bags
 37130080 Biomedical Radiation-Counting Systems
 37130120 Body Cooling Systems
 37130160 Decon Mats
 37130180 Decon Trailers, Mobile
 37130200 Dosimeter Chargers
 37130220 Dosimeter Vests, Caps, Arm & Leg Bands
 37130240 Dosimeters, High-Range (Mega R)
 37130280 Dosimeters, Personnel
 37130290 Dosimetry Systems, Computerized
 37130300 Dosimetry Systems, Real-Time Remote
 37130330 Drain Socks
 37130340 Emergency Medical Equipment & Supplies
 37130360 Enclosures, Radiological Containment (Temporary)
 37130380 Filter Test Equipment
 37130400 Heat Stress Monitors
 37130440 Labels, Warning
 37130470 Laundry Bags
 37130480 Laundry Systems, Dry Cleaning
 37130520 Laundry Systems, Wet Wash
 37130560 Medical Instrumentation, Nuclear
 37130580 Mops, Roll, Tacky
 37130600 Phantoms, Radiation-Dosimetry
 37130640 Planchet 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 Radioimmunoassay 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**
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*
Heavy Water
Helmets—see *Clothing, Protective*
Hoists—see *Cranes & Hoists*
Homeland Security—see *Security Systems & Devices*
Hoods—see *Fume Hoods; Respiratory Protection Equipment*
Hose
 38440100 Elastomeric
 38440200 Flexible Metal
 38440300 Instrumentation
 38440400 Teflon Tube
 38440500 Thermoplastic
Hot-Cell Wall Plugs, Sleeves—also see *Shielding Materials*
 38600100 Lighting fixtures
 39300 **Hot Laboratories**
Hot Laboratory Services
Housings, Filter—see *Filter Housings*
Howitzers, Neutron—see *Neutron Howitzers*
Human Factors Engineering—see *Consultants*
Humidity Control, Measurement—see *Air-Cond. & Vent.; Hygrometry; Meteorol. Equip.; Monitors*
Hydraulic Systems & Components—also see *Consultants; Pumps, Other*
 39650100 Mechanisms
 39650200 Systems
 39650300 Turbines
Hydrodynamics—see *Consultants*
Hydrogen Combiners—see *Gas Handling Equipment*
Hydrogen Analyzers—see *Analyzers*
Hydrological Analysis—see *Analysis*
Hygiene Services, Industrial—see *Health Physics Services*
 39900 **Hygrometry Instrumentation**—also see *Meters, Moisture*

Hypochlorite Generators—see *Water Treatment Equipment*

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

Imaging, Digital

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

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

Indicators

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

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

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

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*

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*

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

Insulation, Thermal

41200100 Blanket
 41200200 Cable
 41200300 Cable Tray
 41200330 High-Temperature
 41200360 Metal Reflective

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

J

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

K

Kicksorters—see *Analyzers (Pulse-Height)*

L

Lab Coats—see *Clothing, Protective*
Labeled Compounds—see *Radioisotopes*
Labels—see *Bar Coding Devices & Supplies; Tags & Labels; Health Physics Equipment & Supplies*
Labor—see *Employment/Personnel Support Services*
Laboratories, Hot—see *Hot Laboratories*
Laboratories, Mobile
 44000100 Analytical Services, On-Site
 44000200 Environmental Analysis
Laminations, Metal—see *Metal Components & Structures*
Laminar Flow—see *Calibration Equip.; Indicators; Testing Services*
 44060 **Lapping Compounds (High-Purity)**—also see *Abrasives*
 44070 **Lapping Equipment, Precision**—also see *Machining Services; Polishing Equipment*
 44080 **Laser Equipment & Accessories**
 44090 **Laser Scanning for Dimensional Measurement**
Laundry Services, Contaminated Clothing—see *Health Phys. Serv.*
Laundry Systems, Contaminated Clothing—see *Health Physics Equipment*
Lead Glass—see *Windows*
Lead Plastic—see *Shielding Materials, Radiation; Windows, Radiation-Shielding*
Leak Detectors, Monitors—see *Detectors, Leak; Monitors, Other Than Radiation*
Leak Repair, Concrete—see *Maintenance Services*
 45250 **Leak-Sealing Services, On-Line**
Leak Testing—see *Test Equipment; Testing Services*
 45280 **Legal Services**

Level Indicators—see *Indicators; Transmitters*
Licensing—see *Consultants; Training*
 45350 **Lifts, Aerial**
Lights, Lighting
 45550100 Construction
 45550110 Containment LED
 45550150 Emergency
 45550155 Explosion-Proof
 45550165 † High Bay
 45550170 Hot Cell
 45550180 † Low Bay
 45550200 Pool, Nuclear
 45550250 Portable, Battery-Powered
 45550300 Reactor Floor
 45550400 Underwater

Liners, Container, Drum—see *Containers*
Liners, Hat—see *Clothing, Protective*
 45700 **Liners, Pool**
Lithium—see *Metals, Other*
Load Positioners—see *Positioners*
Locking Devices, Drum—see *Drum Locking Devices*
Loops, Test
 46200100 In-Pile
 46200200 Out-of-Pile
Loose Parts Monitors—see *Monitors, Other Than Radiation*
Loose Parts Retrieval—see *Analysis; Maintenance & Repair Serv.; Reactor Service Tools*
Lubricants
 46810050 Anti-Seize (High Purity)
 46810300 Radiation-Resistant
Lubrication Analysis—see *Analysis*
Lumber, Fire-Retardant Treated—see *Construction Materials*
Lumber & Pipe Monitors—see *Monitors, Radiation, Area & Special-Purpose*
Luminescent Tape, Warning—see *Tape*

M

Machining Services—also see *Metal Components & Structures*
 46950100 Computerized Numerical Controlled
 46950300 Conventional
 46950310 Electrical Discharge (EDM)
 46950350 Field
 46950400 Lapping
 46950430 Metal Disintegration Machining
 46950460 Plasma Arc Cutting
 46950500 Remote
 46950600 Shearing
 46950700 Underwater
Magnesium—see *Metals, Other*
Magnetic Particle Testing—see *Nondestructive Testing*
Magnets
 47200100 Conventional
 47200200 Superconducting
Maintenance Equip.—see *Decontamination; Cleaning Equipment; Tools; Workbenches; Work Platforms*
Maintenance & Repair Services—also see *Filter Serv.; Steam Gen. Maint.; Testing Services*
 47400010 Bolt-Maintenance
 47400020 Bus Bar Insulating (Epoxy Coating)
 47400030 Concrete
 47400040 Condenser
 47400050 Construction
 47400055 Control Rod Drives
 47400060 Cooling Towers
 47400065 Cranes & Hoists
 47400075 Diesel Generators
 47400080 Electrical Equipment
 47400090 Expansion Joints
 47400100 Freeze Plugging/Sealing (Pipe)
 47400110 Fuel Assemblies
 47400120 Fuel Transfer Equipment
 47400130 General
 47400150 Heat Exchangers
 47400170 HVAC Equipment
 47400190 Hydraulic Equipment
 47400210 Leak Repair, Concrete
 47400220 Loose Parts Retrieval
 47400250 Mechanical Seals
 47400270 Motors, Electric
 47400320 Outage Management Services

47400340 Penetration Seals
 47400360 Pipe Cleaning, Internal (Bio-Fouling)
 47400365 Pipe Repair and Replacement
 47400370 Plant Life Management
 47400380 Pool Liner Inspection & Repair
 47400390 Post-Tensioning System Surveillance
 47400400 Power Apparatus
 47400425 Predictive Maintenance
 47400450 Protective Coatings
 47400460 Pump & Motor, Main Coolant
 47400470 Pump Inspection & Repair
 47400480 Radiation Measuring Devices & Systems
 47400485 Radiation Shielding
 47400490 Radiation-Shielding Windows
 47400500 Reactor
 47400520 Reactor Internals
 47400600 Refueling Equipment
 47400620 Regulatory Compliance Support ("Maintenance Rule")
 47400640 Remote Inspection/Repair
 47400645 Rotating Machinery Alignment
 47400650 Rotating Machinery, Vibration Monitoring (Predictive)
 47400700 Screens, Traveling
 47400720 Seal Table/Flux Thimbles
 47400730 Security Systems, Anti-Intrusion
 47400760 Snubbers
 47400800 Spent-Fuel Racks
 47400805 Stud/Nut Removal
 47400810 Tank Cleaning, Fuel Storage
 47400820 Trash Racks
 47400830 Tubesheet, Epoxy Cladding
 47400850 Turbine-Generator
 47400900 Underwater Repairs
 47400930 Valve Actuators
 47400940 Valve Repair, Recertification
 47400960 Valve Testing, Off-Line
 47400970 Valve Testing, On-Line
 47400980 Water Intake Cavity Cleaning (Bio-Fouling)

Man-Tracking Systems—see *Health Physics Equipment*

Management Information Systems—see *Computer Software; Consultants; Records Mgmt. Systems*

47600 **Manipulators, Remote**—also see *Remote Control, Handling & Positioning Devices*

Mapping Services

47620100 Automated
 47620200 Conventional

47630 **Markers, Identification**

47650 **Markers, Pen, for Fabrication**

47670 **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*
Metal Cladding Services—also see *Metals, Other*

48950 **Metal Components & Structures**—also see *Gratings, Catwalks, etc.; Machining Serv.; Racks*

49000030 Castings, Aluminum
 49000100 Castings, Investment
 49000150 Castings, Lead
 49000200 Castings, Lost Wax (Cire Perdue)

49000300 Castings, Precision
 49000330 Castings, Sand-Molded
 49000360 Castings, Steel & Alloy Steel
 49000400 Fabrications
 49000500 Forgings
 49000600 Laminations
 49000650 Pressure-Formed
 49000700 Roll-Formed, Custom

Metal Detectors—see *Detectors*
Metal Laminations—see *Metal Components & Structures*

49700 **Metalizing**
 50000 **Metallographic Equipment**
Metallurgical Failure Analysis—see *Analysis; Samplers & Sampling Systems*
Metals, Clad—see *Metals, Other*
Metals, Lead—also see *Shielding Materials*

50250050 Brick
 50250080 Fabricated Specialties
 50250100 Lead Wool Blankets
 50250150 Plate
 50250200 Sheet
 50250250 Shot

Metals, Other—also see *Graphite; Neutron Absorbers; Thorium; Uranium*

50300050 Alloys & Compounds
 50300100 Aluminum
 50300150 Clad
 50300170 Copper
 50300200 Hafnium
 50300300 Lithium
 50300350 Magnesium
 50300400 Molybdenum
 50300450 Nickel & Nickel-Base Alloys
 50300500 Niobium
 50300600 Tantalum
 50300700 Tellurium
 50300800 Titanium
 50300850 Uranium Metal
 50300900 Vacuum-Melted
 50300950 Zirconium

Metals, Steel—also see *Construction Materials; Metals Other (Alloys, etc.)*

50350050 Boron Stainless
 50350100 Carbon
 50350200 Clad
 50350250 Controlled-Chemistry Heat Melts
 50350300 Ferritic
 50350400 Stainless

Metals, Vacuum-Melted—see *Metals, Other*
Meteorological Equipment—also see *Environmental Monitoring Equip.*

51730100 Anemometers
 51730200 Barometers
 51730300 Humidity Sensors
 51730400 Precipitation Sensors
 51730500 Solar Radiation Sensors
 51730600 Temperature Sensors

Meteorology—see *Consultants*
Meters—also see *Counters, Detectors; Hygrometry; Orifices; Ratemeters; Reactor Instr.*

51850100 Boron Concentration
 51850200 Conductivity (Ion Concentration)
 51850300 Energy Flow
 51850400 Flow
 51850500 Moisture
 51850600 Reactor, Axial Offset
 51850700 Reactor Period

Meters, Counting-Rate—see *Counters, Detectors; Ratemeters*

53600 **Microfilming**
Microprocessor Circuit Boards—see *Computers & Accessories*
Microscopy, Scanning—see *Inspection Services*
Mixers, Gas—see *Gas Handling Equipment*
Mobile Laboratories—see *Laboratories, Mobile*
Mockup Design & Fabrication—also see *Simulators; Training Materials*

Mining, Uranium—see *Uranium Mining*

53950100 Control Room
 53950200 Equipment
 53950300 Local & Remote Control Panels
 54000 **Model Making**—also see *Training Materials*
Moisture Meters—see *Meters*
Moisture-Sensitive Tape—see *Tape*
 54300 **Moisture Separators & Reheaters**
Molybdenum—see *Metals, Other*

Monitoring & Control Systems, Reactor—see *Reactor Instrumentation*
Monitoring, Environmental—see *Computer Software; Environmental Monitoring Services*
Monitoring Services, Radiation—see *Health Physics Serv.; Radiation Monitoring Serv.*
Monitors, Alarm Status—see *Alarm Status*
Monitors, Heat Stress—see *Health Physics Equipment*
Monitors, Other Than Radiation—also see *Reactor Instrumentation*

54750030 Air-In-Leak
 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*

N

Neutron Absorbers—also see *Filters, Neutron; Shielding Design; Shielding Materials*

55490400 Boric Acid
 55490430 Boron Carbides
 55490440 Boron Carbides, Enriched (B-10)
 55490450 Boron, Natural
 55490500 Boron, Enriched (B-10, B-11)
 55490600 Other Boron Compounds
 55490640 Burnable Poisons
 55490650 Cadmium
 55490700 Cadmium Sulfide
 55490730 Encapsulated
 55490750 Gadolinium
 55490760 Grain
 55490770 In Matrixes
 55490780 Metal Matrix Composites
 55490790 Molded Shapes
 55490810 Pellets
 55490830 Plates

55500 **Neutron Activation Analysis Services**
 55550 **Neutron Activation Flux Wires & Foils**
Neutron Detectors, Reactor

56400050 Ex-Core
 56400100 In-Core
 56400200 Superheated Drop (Bubble) Detectors

Neutron Filters—see *Filters, Neutron; Neutron Absorbers*

Neutron-Flux-Mapping Systems—see *Reactor Instrumentation*

Neutron Generators—see *Generators*

56460 **Neutron Howitzers**
 56470 **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*

O

Off-Gas Hydrogen Analyzers—see *Analyzers*
Off-Gas Treatment Systems—see *Analyzers; Gas Handling Equipment; Igniters; Stacks*
Oil & Grease Interceptors—see *Interceptors*
Operating Experience Information Services
Operators, Valve—see *Valve Operators*
Orifices

57000 Coupling
 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*

60100 **Pipe Flanges**—see *Flanges, Pipe*
Pipe Hangers and Supports
 60150 **Pipe Joints**
Pipe Markers—see *Markers, Pipe*
Pipe & Lumber Monitors—see *Monitors, Radiation, Area & Special-Purpose*
Pipe Pressure Tester—see *Testers, Pressure, Pipe*
 60450 **Pipe Whip Restraints**
Pipe Wraps/Sleeves—see *Shielding Materials*
Pipeline Inspection—see *Inspection Services*
Piping Pulsation Dampeners—see *Pulsation Dampeners*
Piping Shock Absorbers—see *Shock Absorbers, Piping; Snubbers*
Piping Systems—also see *Analysis; Computer Software; Consultants*
 60900200 Design
 60900300 Erection
Planchet Changers, Automatic—see *Health Physics Equipment*
Planchets, Counting—see *Health Physics Equipment*
Plant Life Extension, Management—see *Consultants; Maintenance & Repair Services*
Plant Performance Analysis, Monitoring—see *Analysis; Monitors, Other; Testing Services*
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)*
Ports, Penetration—also see *Penetrations*
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*
 62900 † **Power Plants, Nuclear, Gen IV Reactors**
 62910 † **Power Plants, Nuclear, Gen IV Reactors/Smart & Resilient**

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*
 64120 **Pressurizers, Reactor**
Preventive Maintenance—see *Computer Software; Consultants; Maintenance Services*
Printers—see *Computers & Accessories; Data Readout Devices*
Probes, Radiation—see *Detector Heads; Counters, Detectors*
Process Irradiation Facilities—also see *Generators, Electron; Irrad. Serv.; Irradiators*
 64190100 Electron Beam
 64190200 Gamma
Processing Columns—see *Columns*
Procurement Support—see *Consultants*
Project Management—see *Computer Serv; Computer Software; Consultants; Training*
Proportioners, Gas—see *Gas Handling Equipment*
Protective Clothing—see *Clothing*
Protective Coatings—see *Coatings; Maintenance Services*
 64300 **Protective Coverings & Tarpaulins**
Psychological Testing—see *Testing, Psychological*
 64312 **Public and Community Relations**
 64315 **Publications**
 64320 **Pulsation Dampeners, Piping**
Pulse Amplifiers—see *Amplifiers*
Pulse Generators, Signal—see *Generators*
Pump Casings, Primary Coolant—see *Casings*
Pump 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
Radiimmunoassay—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
Ratemeters-Scalers
Reactor Cavity Pool Seals—see *Seals*
Reactor Containment Structures—see *Containment Structures, Reactor*
Reactor Core Structures—see *Core Structures*
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
70660 † **Reactors, Gen IV**
70665 † **Reactors, Gen IV/Smart & Resilient**
70670 **Reactors, Heating**
Reactors, Power—see *Nuclear Steam Supply Systems*
70900 **Reactors, Research & Training**
70920 † **Reactors, Space Propulsion**
Rebar—see *Construction Materials*
Recirculation Outlet Nozzle Plugs—see *Plugs*
Recombiners
Recorders—see *Data Readout Devices; Monitors; React. Instrum.; Records Mgmt. Systems*
Recording Charts, Pens—see *Data Readout Devices & Accessories*
Records Management Systems—also see *Computer Software; Imaging, Digital*
71190020 Configuration Management
71190030 Document Storage & Retrieval
71190050 Drawing Control
71190100 Health Physics
71190200 Operations Recording
71190300 Spare Parts
71190400 Training
Recruitment—see *Employment*
Redundant Signal Selector Systems—see *Reactor Instrumentation & Monitoring*
Refacing Equipment—see *Flange Refacing; Heat Exchangers*
Reference Standards, Metal—see *Corrosion Coupons*
Refractories, High-Purity, High-Temperature
Refrigeration—also see *Air-Conditioning; Cooling Systems, Body; Sample Coolers*
Refueling Equipment—see *Fuel Handling Equipment*
Refueling Services
Regeneration, Resin—see *Waste Management Services*
Regulators, Air Pressure
Regulators, Feedwater
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
73300315 † Drones
73300350 Infrared
73300370 Monocular Scopes, Viewing/ALARA
73300400 Periscopes
73300500 Radiation-Resistant
73300600 Submersible
73300700 Telescopes
73300800 † Unmanned Vehicles

- Rental, Equipment**—see *Equipment Rental*
- Repair Services**—see *Health Phys. Serv.; Maint. & Repair Serv.; Steam Generator Maint.*
- Replacement Parts**—see *Spare & Replacement Parts*
- 73350 **Reprocessing Equipment, Fuel**
- 73400 **Reprocessing, Fuel**
- Research, Reactor Safety**—see *Reactor Safety Research*
- 73450 **Research Reactors**—see *Reactors*
- Research Services, Nuclear**—also see *Consultants; Information Services*
- Resin Regeneration**—see *Waste Management Services*
- Resins, Ion-Exchange**—see *Ion-Exchange Materials*
- Resistance Temperature Detectors**—see *Detectors; Test Equip.; Testing Services*
- Respirator Fit Testing**—see *Health Physics Services*
- Respirator Tracking Systems**—see *Health Physics Equipment*
- Respiratory Equipment Cleaning, Repair & Testing**—see *Health Physics Services*
- Respiratory Protection Equip.**—also see *Audits; Clothing, Protective; Health Physics Services; Test Equipment*
- 73550100 Air Purification Systems
- 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**
- Safety Research, Reactor**—see *Reactor Safety Research*
- Sample Casks, Post-Accident**—see *Containers*
- Sample Changers**
- Sample Coolers**
- Sample Transfer Systems**—see *Transfer Systems*
- Samplers & Sampling Systems**
- Air (Carried by Personnel)
- Air Particulate
- Automatic Systems
- Evaporator Concentrate
- Gas
- Iodine
- Liquid
- Metallurgical
- Real-Time Remote
- Stack Sampling
- Sampling Systems Services**—also see *Radiation Monitoring Services*
- Scabbling, Concrete**—see *Concrete Breaking, Drilling; Decontamination Chemicals & Equipment*
- Scaffolding**—also see *Shoring; Training*
- Conventional
- Modular
- Scaffold Plank
- Suspended Type
- Tube & Clamp Type
- Scalers**—also see *Ratemeters-Scalers*
- Scales, Weighing, Nuclear**
- Cellular Weighing
- Lift Truck
- Overhead Crane
- Tension Dynamometers
- Wheel Weighers
- Scanners, Isotope Distribution**—see *Health Physics Equipment*
- 76400 **Scintillation Glasses**
- 76600 **Scintillation Plastics**
- Scintillation Solution, Liquid**
- Scintillators**—see *Counters; Detector Heads*
- Scopes, Viewing**—see *Remote-Viewing Instruments*
- 77250100
- 77250200
- 77250300
- 77250400
- 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*
- 77700
- 77750
- 77800030 Ceramic-Metal Assemblies
- 77800080 Equipment Storage Pool
- 77800100 Flat Gasketing
- 77800120 Flat Gasketing, Radiation-Resistant
- 77800150 Hydraulic
- 77800200 Inflatable
- 77800220 Inspection Port
- 77800250 Mechanical, Shaft
- 77800260 Mechanical, Shaft, Reactor Circulating Pump
- 77800220 Metal (O-Rings, C-Rings, etc.)
- 77800250 Nuclear Instrumentation Cover
- 77800300 Penetration
- 77800350 Reactor Cavity Pool
- 77800400 Sealing Systems, Compressed Rubber
- 77800450 Sealing Systems, Fluid
- 77800470
- 77800500
- 77800550
- 77800600
- 77800620
- 77800630
- 77800640
- 77800645
- 77800650
- 77800670
- 77800680
- 77800685
- 77800690
- 77800710
- 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*
- 75600050 Analysis
- 75600080 Engineering
- 75600100 Guards
- 75600130 Plan Design
- 75600150 Screening & Investigation
- Security Structures**
- 75700005 Badge Drops, Bullet-Resistant
- 75700010 Barbed Wire, Tape
- 75700030 Barrier-Gates
- 75700050 Fences
- 75700070 Gate Operators
- 75700090 Gates
- 75700100 Guard Stations
- 75700105 Gunports, Bullet-Resistant
- 75700110 Lockers, Weapon Storage
- 75700120 Security Booths (Man-Trap)
- 75700140 Turnstiles
- 75700150 Wall Panels, Bullet-Resistant
- 75700200 Windows, Bullet-Resistant
- Security Systems & Devices**—also see *Computer Software; Consultants; Detectors, Explosives*
- 75850050 Anti-Intrusion, Indoor
- 75850100 Anti-Intrusion, Outdoor
- 75850350 Asset Protection (Anti-Removal), Electronic
- 75850400 Automated Security Patrol Robot
- 75850500 Computerized
- 75850550 Fully Integrated
- 75850560 Homeland Security Equipment & Services
- 75850570 Intruder Detection (Laser, Microwave/Infrared)
- 75850600 Metal (Weapon) Detectors
- 75850650 Night Vision Scopes & Devices
- 75850700 Personal Alarm
- 75850750 Personnel Access Control
- 75850800 Vehicle Access Control
- 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*
- Acoustic
- Force & Torque
- Temperature
- Vibration
- Sensors, Neutron**—see *Neutron Detectors*
- Separation Plants & Equipment, Isotope**—see *Isotope Separation Plants*
- Separators**—see *Compressed Air Systems; Moisture Separators; Steam Separators*
- Servomechanisms**
- Shears, Velocity Limiter**—see *Solid Waste Reduction Equipment*
- Sheeting, Plastic**—see *Health Physics Equipment & Supplies; Protective Coverings*
- Shells, Pressure Vessel**
- Shielding Design, Radiation**—also see *Analysis; Consultants*
- Shielding Materials, Rad.**—also see *Containers; Doors; Metals, Lead; Neut. Absorbers; Windows*
- 77800030 Acrylic Sheet Products, Beta-Shielding
- 77800050 Aggregates, High-Density Concrete
- 77800100 Blankets
- 77800150 Blocks, Concrete, Lead-Core
- 77800200 Blocks, Modular
- 77800220 Boron Carbide Grain & Shapes
- 77800250 Bricks, Composite
- 77800300 Bricks, Lead
- 77800350 Castable Shielding Materials
- 77800400 Castings, Composite
- 77800450 Castings, Lead
- 77800470 Castles, Lead
- 77800500 Collars, Streaming
- 77800550 Container Wraps
- 77800600 Criticality Control
- 77800620 Curtain Shields
- 77800630 Encapsulation
- 77800640 Fiber
- 77800645 Foam
- 77800650 Frisker Shields
- 77800670 Gamma/Neutron Composite
- 77800680 Glass, Radiation Resistant
- 77800685 Glass, Scintillating, Radiation Resistant
- 77800690 Glass, X-ray
- 77800710 In-Vessel Shields
- S**
- 73770 **Safeguard Systems**
- Safes**
- 73790100 Isotope
- 73790200 Thermoluminescent Dosimeter (TLD)
- Safety Analysis**—see *Analysis; Consultants; Inspection Services; Training*
- Safety Belts**—see *Fall Protection*
- Safety Heads, Rupture Disks**—see *Rupture Disks*
- Safety Parameter Display Systems**—see *Reactor Instr. & Monitoring Systems*

- 77800715 Lead Free
77800720 Lead Plastic
77800725 Lenses, Radiation Resistant
77800730 Low-Level Shields, Lead/Steel
77800750 Pipe Wraps/Sleeves
77800800 Plugs, Closures
77800805 Polyethylene
77800807 Polyethylene, Borated
77800820 Refueling Shields
77800850 Thermal Neutron Materials
77800870 Tungsten Alloys
77800900 Wall Panels
77800950 Water Shields, Modular (Gamma/Neutron)
77830 **Shim Stock**
Shipping Containers—see *Containers*
Shirts—see *Clothing, Protective*
77860 **Shock Absorbers, Piping (Water Hammer)**—
also see *Snubbers*
Shoes, Shoe Covers—see *Clothing, Protective*
77900 **Shoring**—also see *Scaffolding*
Signal Generators—see *Generators, Signal*
Signals, Warning—see *Alarms*
Signs, Warning, Radiation—see *Health Physics*
Equipment & Supplies
78100 **Silencers, Steam Safety Valve**
78200 **Silicone**
78400 **Simulators, Power Plant & Reactor**—also see
Consultants; Mockup Design
78450 **Simulators, Radiation**
Single-Channel Analyzers—see *Analyzers*
Sirens—see *Emergency Warning Systems;*
Inspection Services; Testing Services
Siting—see *Analysis; Consultants*
78700 **Sleeves, Wall (Pipe)**—also see *Hot Cell Wall*
Plugs, Sleeves
Sludge Analyzers—see *Analyzers*
Slurry Pumps—see *Pumps, Other*
Smears, Swipes—see *Health Physics Equipment*
& Supplies
Snubber Repair—see *Maintenance & Repair*
Services; Testing Services; Training
Snubbers
79000030 Fuel Storage Rack
79000050 Gauge
79000070 High-Vibration
79000080 Hydraulic
79000100 Large Equipment
79000150 Pipe Support
79200 **Sodium-Handling Equipment**
Sodium Hypochlorite Generators—see *Water*
Treatment Equipment
Sodium Pumps—see *Pumps, Other*
Software, Computer—see *Computer Software*
79350 **Solenoids**
Solid Waste Reduction Equipment & Tools,
Radioactive
79360050 Containment
79360100 Control Rod Crushers, Reducers
79360200 Neutron Window Reducers
79360250 Packaging
79360300 Stellite Ball Punches
79360400 Underwater Reduction Tools
79360500 Velocity Limiter Shears
Sorbents
79370100 Environmental Spill
79370400 Liquid Radwaste
Source Encapsulation—see *Encapsulation;*
Rad. Monitor. Serv.
Sorters, Sorting Tables, Radwaste—see
Radioactive Waste Handling
Sources, Ion—see *Ion Sources*
Sources, Radioactive—see *Radioisotopes;*
Testing Services
79740 **Spare & Replacement Parts (Secondary**
Sources)
Spare Parts Systems—see *Consultants; Records*
Management Systems
Spectrometers—see *Mass Spectrometers;*
Neutron Spectrometers
79850 **Spectroscopy Systems**—also see *Amplifiers*
Spent-Fuel Consolidation—see *Fuel Element*
Consolidation
Spent-Fuel Reprocessing—see *Reprocessing*
Spent-Fuel Storage—see *Racks; Storage*
Services; Storage Systems, Spent-Fuel
Spray Nozzles—see *Nozzles*
Spray Ponds—see *Ponds*
80200 **Splitters, Electronic Signal**—also see *Electronic*
Instrumentation & Supplies
80400 **Springs**
Stability Monitoring Systems—see *Reactor*
Instrumentation & Monitoring Systems
Stack Effluent Monitors—see *Monitors,*
Radiation, Area
80520 **Stacks, Off-Gas**
Stair Treads—see *Gratings*
Standards
Staffing—see *Employment/Personnel Support*
Services
80565600 Testing
Standards, Radiation—see *Radioisotopes*
Stand-by Generators—see *Generators*
Starters—see *Electrical Distribution & Control*
Equipment
80600 **Startup Services**
Steam Analyzers—see *Analyzers*
Steam Condensers—see *Condensers;*
Condensing Pots
Steam Generator Leak Rate Monitors—see
Monitors, Other Than Radiation
Steam Generator Maintenance & Repair
80730100 Cleaning
80730150 Computer Software
80730170 Eddy Current Testing
80730185 Girth Weld Maintenance
80730200 In-Service Inspection
80730250 Manway Cover Handling Equipment
80730280 Nickel Electroplating
80730290 Penetrations, Nozzles, & Handholds
80730300 Plugging
80730350 Replacement
80730400 Slewing
80730450 Tube Expansion
80730500 Tube Extraction
80730550 Tube Heat Treatment
80730600 Tube Shot Peening
Steam Generator Nozzles, Nozzle Dams—see
Nozzles
Steam Generator Sleeves—see *Tubing*
Steam Generators, Power Plant
80800 **Steam Generators, Stand-by, Auxiliary**
80900 **Steam Generators, Stand-by, Auxiliary**
81000 **Steam Separators, Power Plant**
Stellite Ball Punches—see *Solid Waste*
Reduction Equipment
Stem Gland Packing Systems—see *Valve Stem*
Gland Packing Systems
81600 **Stills, Water**
Storage Facilities, Waste—see *Radioactive*
Waste Treatment Equipment
Storage Racks, Fuel—see *Racks, Fuel Storage*
Storage Services
81680100 Equipment
81680200 Fresh Fuel
81680300 Spent Fuel
81680400 Uranium, Enriched
81680500 Uranium, Natural
Storage Systems, Energy—see *Energy Storage*
Systems
Storage Systems, Spent-Fuel—also see
Containers; Racks
81710100 Dry
81710200 Wet
Storage Tank Diaphragms—see *Diaphragms,*
Storage Tank
Storage Tanks—see *Tanks*
Strain Gauge Testing—see *Testing Services*
Strainer/Sump Blockage Analysis—see *Analysis*
Strainers—also see *Interceptors*
81790025 ECCS
81790100 Lubricating Oil, Basket, Manual
81790150 Solids, Hair, Debris
81790200 Suppression Pool
81790300 Water, Automatic
81790400 Water, Basket, Manual
Straining Filters, Cloth—see *Filters*
Strapping Tape, Reinforced (Nuclear)—see
Tape
Streaming Collars—see *Shielding Materials*
Stress Analysis—see *Analysis*
Stress, Personnel—see *Consultants; Health*
Phys. Serv.; Security Serv.; Testing,
Psych.
82200 **Stress-Relieving Equipment**—also see *Furnaces*
Strip Chart Recorders—see *Data Readout*
Devices
82250 **Structural Analysis**—see *Analysis*
Structural Supports, Component
Structurals, Reactor Core—see *Core Structural*
82310 **Structures, Fabric, Tensioned**
Stud Drive Tool—see *Tools*
Stud Hole Plugs—see *Plugs*
Stud Removal Systems (RPV)—see *Reactor*
Service Tools
Stud Tensioners—see *Tensioners*
Studs—see *Fasteners*
Sump/Strainer Blockage Analysis—see *Analysis*
Superconducting Wire—see *Wire*
82800 **Superheaters, Power Plant**—also see
Desuperheaters
Support Services, Technical & Professional—
see *Employment; Health Physics Services*
Support Structures, Fuel Element—see *Grids*
Supports—see *Brackets, Supports; Pipe*
Hangers & Supports
Surface-Conditioning Products (Cleaning,
Touchup, Weld Prep, etc.)—see
Abrasives, Non-Woven
Survey Meters—see *Monitors, Radiation, Area*
Swipes—see *Health Physics Equipment &*
Supplies
Switchboards (Power Distribution)—see
Electrical Distribution & Control
Equipment
Switches
82950020 Differential
82950030 Float
82950040 Flow
82950080 High-Temperature
82950120 High-Voltage
82950160 Key-Operated
82950200 Knife
82950240 Limit
82950280 Liquid Level
82950320 Magnetic
82950360 Mercury
82950400 Momentary Contact
82950440 Power
82950480 Pressure
82950500 Pressure, Differential
82950520 Programmable
82950560 Proximity Limit
82950600 Push Button
82950640 Reed
82950680 Rocker
82950720 Rotary
82950740 Safety
82950760 Slide
82950800 Solenoid
82950840 Solid-State
82950860 Temperature
82950880 Toggle
82950920 Vacuum
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- T**
Tables, Sorting—see *Radioactive Waste*
Handling & Treatment Equip.
83110 **Tags & Labels (Warning, Inventory, etc.)**—also
see *Bar Coding Devices & Supplies; Health*
Physics Equipment & Supplies
83120 **Tags, Valve**
Tank Linings—see *Liners, Pool*
Tanks, Storage—also see *Diaphragms, Storage*
Tank; Inspection Services
83150100 Aluminum
83150200 Glass Fiber
83150300 Plastic
83150400 Rubber, Collapsible
83150500 Steel
83150600 Steel, Stainless
Tantalum—see *Metals, Other*
Tape
83210100 Cloth, Nuclear
83210150 Electrical Splicing Tape
83210200 Foam
83210300 Moisture-Sensitive
83210400 Reinforced Strapping, Nuclear
83210500 Warning, Luminescent
Targets, Accelerator—see *Accelerators &*
Accessories
Tarpaulins—see *Protective Coverings*
Team Building—see *Training*
Technical Support Services—see *Employment;*
Health Physics Services
Telerobotics—see *Computer Software; Remote*
Control; Remote Viewing; Robotic Devices

- Telescopes**—see *Remote-Viewing Instruments*
Television Systems (CCTV)—also see *Imaging, Digital; Security Systems; Video Services*
 83600100 Conventional
 83600200 High-Temperature
 83600300 Miniature (Remote Viewing)
 83600350 Pipe Inspection
 83600400 Underwater, Color, High-Radiation
 83600500 Welding Arc Viewing (Color)
Tellurium—see *Metals, Other*
Temperature Indicators—see *Indicators*
Temperature Monitors—see *Monitors*
Temperature Sensors—see *Meteorological Equipment; Sensors*
Temperature Transducers—see *Transducers*
Tensioning, Bolt—see *Maintenance Services*
 84000 **Tensioners, Stud, Hydraulic**
Tents—see *Structures, Fabric, Tensioned*
 84100 **Terminal Blocks**
Test Equipment & Supplies—also see *Health Physics Equip.; Nondestructive Testing*
 84150020 Automated
 84150040 Capacitance Strain Gauging
 84150120 Coating Porosity Detection
 84150140 Coating Thickness Gauging
 84150160 Concrete Inspection
 84150190 Eddy Current
 84150210 Electric Motors
 84150220 Electrical Systems & Components
 84150240 Environmental
 84150280 Ferrite Detection (SS Welds)
 84150300 Fiber Optic
 84150320 HEPA Filter
 84150340 Infrared Imaging
 84150380 Instrumentation & Control
 84150400 Leak-Rate, Local
 84150430 Manual
 84150450 Mask Function
 84150480 Materials
 84150580 Nondestructive
 84150630 pH Measurement
 84150680 Portable
 84150700 Power Apparatus
 84150720 Resistance Temperature Detectors
 84150750 Stationary
 84150800 Structures/Components
 84150850 Ultrasonic
 84150860 Ultrasonic Couplant
 84150900 Vacuum Leak Testers, Tube
 84150920 Valve
 84150930 Valve, Motor-Operated, Diagnostic
 84150940 Valve, Solenoid Operated, Diagnostic
 84150950 Vibration
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**
 85000 **Thermocouples**—also see *Connectors*
 85200 **Thermoelectric Devices**
 85400 **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**
 86260 **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
 86300778 Simulators, Gas Detection
 86300780 Snubber Maintenance & Overhaul
 86300800 Simulators, Radiation
 86300805 Simulators, Web-Based
 86300810 Snubber Maintenance & Overhaul
 86300820 Team Building
 86300840 Technicians, Electrical
 86300860 Technicians, Instrumentation and Control
 86300880 Technicians, Laboratory
 86300910 Technicians, Mechanical
 86300940 Technicians, Security
 86300970 Waste Management
 86300980 Water Chemistry
 86400 **Training Centers, Facilities**—also see *Training; Training Materials*
Training Materials, Courseware—also see *Mockup Design; Training; Training Centers*
 86500100 Audio-Visual Aids
 86500200 Computer-Aided
 86500220 Digital Video, Interactive
 86500250 Models, Mockups
 86500300 Textual
Training Reactors—see *Reactors*
Transducers—also see *Detectors, Resistance Temperature; Transmitters; Sensors, Temperature*
 86750100 Displacement
 86750200 Force & Weight
 86750300 Pressure
 86750350 Pressure/Temperature
 86750400 Temperature
Transfer Cars—see *Cars, Railroad*
Transfer Systems for Irradiation Samples
 86800100 Hydraulic
 86800200 Pneumatic
Transformers
 86870100 Control, Power
 86870200 Dry Type
 86870300 Linear Variable Differential
Transient Voltage Surge Suppression System—see *Electrical Distr. & Control Equip.*
 86900 **Translation Services**
Transmitters—also see *Communications Systems*
 86970100 Electronic
 86970180 Level, Liquid
 86970200 Measurement
 86970300 Microwave
 86970400 Pressure
 86970500 Pressure Differential
Transition Joints, Bimetallic—see *Joints, Transition*
Transport Services
 87000100 Consulting/Transport Management
 87000150 Heavy Components
 87000170 Intermodal/Rail
 87000180 Liners
 87000200 Radioactive, High-Level

87000300 Radioactive, Low-Level
 87000320 Regulation
 87000340 Safety
 87000400 UF6/U3O8
 87000500 † Vertical Cask
Trash Racks—see *Water Intake Facilities*
Traveling Screens—see *Water Intake Facilities*
Trays
 87140100 Cable
 87140130 Covers
 87140170 Side Rails
 87140200 Tubing
 87380 **Tritium Handling Equipment**
Tritium Monitors—see *Monitors, Radiation, Area*
 87395 **Tritium Recycle & Extraction Equipment**
 87400 **Tritium Removal Equipment**
Tube Clamps, Supports—see *Tubing Clamps, Supports*
Tube Cleaning Equipment—see *Cleaning Equipment*
Tube Crimpers, Cutters, Expanders—see *Pipe & Tube Machinery*
 87680 **Tube Extraction (Removal) Equipment**
Tube Plugging, Sleeving—see *Steam Generator Maintenance & Repair*
Tube Systems
 87700050 Commercial Grade
 87700100 Stainless
 87750 **Tubes, Centrifugally Cast, & Elbows for Primary Loops (PWR)**
Tubes, Counter & Detector—see *Detector Heads, Sold Separately*
 87900 **Tubes, Electron**
 87950 **Tubes, Fined**
 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
 88200100 Commercial Grade
 88200200 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

90000 **Vacuum Blasting**—see *Cleaning Equipment*
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)
 90250020 Accessories/Positioners
 90250050 Air
 90250070 Electric Solenoid
 90250080 Electrohydraulic
 90250090 Explosive-Activated
 90250100 Hydraulic
 90250130 Manual
 90250150 Motor
 90280 **Valve Packing Removal Equipment**
Valve Position Detectors—see *Detectors*
Valve-Reseating Equipment, On-line
 90320 **Valve Stem Gland Packing Systems, Live-Loaded**
 90330 **Valve Tags**—see *Tags*
Valve Testing—see *Maintenance Services; Test Equipment*
Valves, Backwater—see *Valves, Other*
Valves, Ball—see *Valves, Other*
Valves, Butterfly—see *Valves, Other*
Valves, Check, Stop Check
 90600020 Air-Cylinder-Assisted
 90600050 Ball
 90600070 Controlled-Closure
 90600075 Non-Slam
 90600080 Piston-Operated
 90600100 Spring-Loaded
 90600150 Swing Type
 90600160 Swing Type, Alloy
 90600200 Tilting Disk
Valves, Control
 90800050 Flow
 90800060 Flow, Acoustic Emission
 90800080 Intelligent
 90800100 Pressure
 90800150 Temperature
 90800200 Vacuum
Valves, Controlled-Closure—see *Valves, Check; Valves, Other (Line-Blind)*
Valves, Diaphragm—see *Valves, Other*
Valves, Drain—see *Compressed Air Systems*
Valves, Excess-Flow—see *Valves, Other*
Valves, Fail-Safe—see *Valves, Other*
Valves, Feedwater Isolation—see *Valves, Other*
Valves, Filter, In-Line—see *Valves, Other*
Valves, Fire Deluge—see *Valves, Other*
Valves, Flow Monitoring/Alarm System—see *Valves, Other*
Valves, Flush Bottom Tank—see *Valves, Other*
Valves, Gate
 91000010 Bellows Seal
 91000030 Jacketed Alloy
 91000050 Knife
 91000100 Parallel Slide Type
 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 Vittrification
 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
- 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 FIT 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**
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- X**
- 96700 **X-ray Diffraction Apparatus**
- X-ray Glass**—*see Shielding Materials; Windows, Radiation-Shielding*
- X-ray Inspection Systems**—*see Security Systems*
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- Z**
- Zirconium**—*see Metals, Other; Tubing*