

# Radwaste Solutions 2010 BUYERS GUIDE

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# 5th Annual Index to Categories

This Index to Categories is a standardized listing of the products and services, with their code numbers, to be used in the upcoming 5th Annual *Radwaste Solutions* Buyers Guide. The Index will assist you in either (a) filling out a New Listing form or (b) adding categories to your existing listing. Products and services are listed alphabetically and are numerically coded. To add more categories to your listing, simply click on the "Browse Categories" link within the listing page online and check the box

next to the appropriate code numbers and product category descriptions and they will be added to your company profile. There is NO CHARGE for this listing!

New Listings and Verification Forms (for existing listings) must be updated online. Companies with existing listings will need a unique link in order to access their online listing (look for an e-mail from <rsbg2010@ans.org> with your link, or contact the advertising department today).

## A

**Abrasives**—also see *Cleaning Equipment*

- 00300100 Bonded
- 00300200 Coated
- 00300250 Lapping & Polishing Grits
- 00300300 Non-Woven Fiber
- 00400

**Absorbers, Nuclear Radiation**—also see *Neutron Absorbers; Sorbents*

**Access Control Systems, Personnel**—see *Security Systems*

**Air-Conditioning & Ventilation Equip.**—also see *Dampers; Filter Housings; Filters; Training*

- 03000100 Air-Conditioning
- 03000150 Air Distribution Nozzles
- 03000200 Air Dryers
- 03000300 Air Filtration Units
- 03000320 Air Handling
- 03000350 Chillers
- 03000380 Condensing Units
- 03000420 Dehumidifiers
- 03000480 Ductwork
- 03000540 Evaporative Coolers
- 03000580 Fans & Blowers
- 03000600 Louvers
- 03000640 Ventilation
- 03000700 Ventilation, Portable
- 03000710 Ventilation, Test Equipment

**Air Filters**—see *Filters*

**Air Purification Systems**—see *Respiratory Protection Equipment*

03180 **Alarm Status Reporting & Control Systems**

**Alarm Systems**—also see *Emergency Warning Systems; Security Systems*

- 03200050 Anti-Intrusion
- 03200100 Audible Signal
- 03200130 Criticality
- 03200150 Fire
- 03200170 Flow Rate
- 03200200 Level
- 03200250 Limit
- 03200300 Pressure
- 03200350 Radiation
- 03200400 Reactivity Transient
- 03200430 Recorded Voice, Digital (Multiple Messages)
- 03200450 Visual Signal

### Analysis

- 03800030 Chemical
- 03800040 Design Basis
- 03800050 Due Diligence
- 03800080 Elemental, Isotopic
- 03800120 Environmental
- 03800160 Equipment Qualification
- 03800200 Failure, Electrical/Electronic
- 03800240 Failure, Metallurgical
- 03800300 Finite Element
- 03800360 Fuel Cycle & Fuel Performance
- 03800400 Geotechnical

- 03800420 Helium
- 03800440 Hydrological
- 03800455 Laser-Based
- 03800460 Loose Parts
- 03800470 Lubrication
- 03800480 Materials
- 03800640 Risk
- 03800800 Seismic
- 03800830 Shielding
- 03800850 Site Characterization
- 03800860 Siting
- 03800890 Stress
- 03800910 Sump/Strainer Blockage (Reg. Guide 1.82)

- 03800920 Thermal
- 03800950 Vibration
- 03800960 Waste

### 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-Paramater
- 04000500 Off-Gas Hydrogen
- 04000600 Oxygen
- 04000610 Portable Multichannel
- 04000620 Post-Accident Sampling (O<sub>2</sub> & H<sub>2</sub>)
- 04000650 Pulse-Height, Multi-Channel
- 04000660 Pulse-Height, Single-Channel
- 04000690 Silica
- 04000700 Sludge
- 04000750 Sodium
- 04000800 Steam
- 04000850 Time-of-Flight
- 04000860 Total Organic Carbon
- 04000870 Viscosity
- 04000880 Waste-Gas, Oxygen & Hydrogen
- 04000900 Water

**Annunciators**—see *Alarm Systems; Display Systems*

**Aprons**—see *Clothing, Protective*

06790 **Asbestos Abatement/Removal Services**

## 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**

**Barriers**—see *Security Structures*

**Behavioral Observation**—see *Consultants; Security Serv.; Training*

**Beta-Shielding Labwear, Sheeting**—see *Clothing, Protective, Anti-C; Shielding Materials*

**Bibs**—see *Clothing, Protective*

**Blankets, Lead Wool**—see *Shielding Materials*

**Boots**—see *Clothing, Protective*

**Borescopes**—see *Remote-Viewing Instruments*

**Bricks, Shielding**—see *Shielding Materials*

**Bubble Suits**—see *Clothing, Protective, Anti-Contamination*

## C

**Cable, Electrical**—also see *Connectors; Wire*

- 08800050 Coaxial
- 08800100 Control
- 08800130 Data Communications
- 08800190 Fiber Optic
- 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

09730 **Calciners**—also see *Radioactive Waste Handling & Treatment Equipment*

**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

### Cars, Railroad

- 09950100 Cask-Handling
- 09950150 Liners

**Casks**—see *Containers*

**Chemicals, Decontamination**—see *Decontamination*

**Chillers**—see *Air Conditioning & Ventilation*

**Cleaning (Clothing)**—see *Health Physics Equipment; Health Physics Services*

**Cleaning Equipment**—also see *Decon. Chem. & Equip.; Health Phys. Equip.*

- 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*
- Clothing, Protective, Anti-Contamination**—also see  
*Respiratory Protection Equipment*
- 10850050 Bubble Suits  
10850100 Coveralls  
10850150 Coveralls, Lightweight, Breathable  
10850200 Disposable  
10850300 Gloves  
10850400 Head Coverings  
10850500 Lab Coats  
10850540 Modesty Garments, Lightweight, Breathable  
10850550 Scrub Shirts & Pants  
10850600 Shoe Covers
- Clothing, Protective, Other Than Anti-Contamination**—also see  
*Respiratory Protection Equip.*
- 10900100 Bibs & Aprons  
10900200 Coveralls  
10900250 Coveralls, Lightweight, Breathable  
10900300 Face Shields  
10900400 Footwear  
10900500 Gloves, Grinding  
10900550 Gloves, Welding  
10900600 Goggles/Spectacles  
10900700 Hard Hats  
10900750 Hat Liners  
10900800 Hearing Protection Devices  
10900820 Helmets, Fire  
10900840 Lab Coats  
10900870 Modesty Garments, Lightweight, Breathable  
10900900 Rainwear  
10900910 RF Shielding  
10900930 Scrub Suits  
10900950 Splash Sleeves  
10900970 Vests, Cool
- Cloths, Wiping**—see *Wipers, Wiping Cloths*
- Cleaning**—see *Decontamination Chemicals, Equip. & Services*
- Coatings**—also see *Consultants; Corrosion Inhibitors; Testing Serv.*
- 11400020 Cable  
11400050 Concrete Sealing/Restoration/Contamination Control  
11400100 Corrosion-Resistant  
11400200 Floor Toppings  
11400300 Insulation-Related  
11400500 Low-Chloride  
11400600 Strippable
- 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  
11650350 Telephone Conferencing (Audio)  
11650360 Telephone Conferencing (Video)  
11650400 Telephonic (Computerized Calling/Answering)  
11650500 Two-Way Radio  
11680  
11700
- Compactor Disks, for Drums**
- Compactors**—also see *Radioactive Waste Treatment Equipment; Solid Waste Reduction Equip.*
- Compressed Air Pressure Vessels**—see *Respiratory Protection Equipment; Vessels*
- Computer Software**—also see *Imaging, Digital; Records Management Sys.; Steam Gen. Maint.*
- 12800010 Artificial Intelligence  
12800040 Cable Management  
12800080 Configuration Management/Control  
12800100 Contract Administration  
12800140 Critical Path Scheduling  
12800160 Custom Development  
12800180 Data Base Management  
12800220 Decontamination Management  
12800260 Dosimetry  
12800300 Drawing & Document Control  
12800330 Economic Analysis  
12800340 Education/Training  
12800360 Electrical Analysis  
12800380 Emergency Planning  
12800420 Emergency Response (In-Plant)  
12800460 Engineering Analysis  
12800500 Environmental Monitoring  
12800510 Equipment Status/Tagout Tracking  
12800520 Expert Systems  
12800530 Fault-Tolerant Automatic Control  
12800550 Failure/Root Cause Trending  
12800560 Fire/Safety  
12800610 Instrument Calibration  
12800620 Inventory Control (Equipment, Supplies, etc.)  
12800660 Maintenance Control  
12800720 Operator Scheduling  
12800740 Piping System Design & Analysis  
12800780 Plant Design  
12800840 Procedure Status/Tracking  
12800850 Project Management  
12800860 Quality Assurance/Quality Control  
12800870 Radiological Control/Health Physics  
12800880 Reliability Analysis  
12800890 Reportability Evaluation  
12800900 Risk Analysis  
12800910 Security  
12800915 Simulation  
12800920 Software Maintenance/Control  
12800925 Software Packages  
12800930 Special Nuclear Material Tracking  
12800935 Spectroscopy  
12800940 Technical Specification Systems  
12800950 Telerobotics  
12800960 Trending  
12800980 Waste Management  
12800990 Water Chemistry Management
- Computers & Accessories**—also see  
*Data Acq. Sys.; Data Readout*
- 12900050 Analog  
12900060 Artificial Intelligence Systems  
12900070 Color Graphics  
12900080 Converters  
12900100 Digital  
12900110 Disk Drives  
12900120 Expert Systems  
12900130 Hand-Held  
12900150 Hybrid  
12900500 Input/Output Interface Units  
12900540 Main Frame  
12900550 Mass Storage Units  
12900600 Memory Units  
12900610 Micro  
12900650 Microprocessor Circuit Boards  
12900660 Mini  
12900750 Printers  
12900800 Tape Drives  
12900850 Video Display Units
- Concentrators**—see *Radioactive Waste Handling & Treatment Equipment*
- Concrete Breaking, Drilling, Sawing & Scabbling**
- 13050050 Contractors  
13050100 Equipment  
13050150 Equipment Rental
- Connectors**—also see *Feedthroughs*
- 13400020 Data Communications  
13400100 Electrical  
13400200 Electrical, Glovebox  
13400250 Electrical, Quick Disconnect  
13400300 Fiber Optic  
13400400 Thermocouple  
13600
- Consoles, Control Consultants**—also see *Analysis; Training*
- 14000010 Air Cleaning, Filtration  
14000020 Chemical Process Design  
14000030 Coatings/Corrosion  
14000040 Communications, Management-Employee  
14000050 Component/System Design & Analysis  
14000060 Computer Systems & Software  
14000070 Configuration Control  
14000080 Contract Administration  
14000090 Cranes & Hoists  
14000100 Criticality Hazard Evaluation  
14000110 Decontamination  
14000115 Decommissioning  
14000125 Earth Science Services  
14000130 Economic Analysis, Trade-off Studies  
14000140 Emergency Planning & Response  
14000150 Environmental  
14000160 Equipment Condition Monitoring  
14000170 Fire Protection  
14000210 Fuel Transport/Storage  
14000360 Lightning Protection  
14000370 Maintenance  
14000380 Management Audit  
14000400 Management Information & Control Systems  
14000480 Meteorology  
14000490 Noise Abatement  
14000510 Organization Development  
14000525 Performance Measurement  
14000530 Personnel Stress/Health  
14000550 Piping  
14000590 Procurement Support  
14000600 Project Planning & Management  
14000630 Quality Assurance/Quality Control  
14000640 Radiation Management  
14000650 Radiological Engineering  
14000720 Records Management Systems  
14000725 Reengineering, Organization  
14000730 Regulatory Compliance  
14000770 Risk Analysis  
14000830 Security  
14000840 Seismic  
14000860 Shielding  
14000870 Simulation Services  
14000880 Siting  
14000920 System Engineering-Requirements Analysis  
14000930 Systems Testing  
14000950 Training Evaluation, Management  
14000960 Trend Analysis & Corrective Action Programs  
14000970 Waste Management  
14000990 Water Treatment
- Containers**—also see *Radioactive Waste Handling; Shielding Materials*
- 14300030 Bulk  
14300150 Casks, Radwaste  
14300200 Casks, Spent-Fuel Shipping  
14300210 Casks, Spent-Fuel Storage  
14300230 Component  
14300280 Drum Breather Filters  
14300300 Drum Liners/Inserts  
14300350 Drums  
14300450 Gamma Source Shipping  
14300480 Gamma Source Storage  
14300485 Groups 1, 2 and 3 Containers (per IAEA)  
14300490 High-Integrity (HIC)  
14300510 Liners/Inserts, LSA Containers  
14300530 LSA Containers, IAEA  
14300540 LSA Containers, Strong-Tight  
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 Enclosures, Radiological**—see *Health Phys. Equip.; Rad. Waste Handling Equip.*
- Containment Gas Analyzers**—see *Analyzers*
- Contamination Control**—see *Cleaning Equip.; Decontamination; Health Physics*
- Cooling Systems, Body**—see *Health Physics Equipment*
- Corrosion Inhibitors**
- Counters, Detectors, Radiation**—also see *Monitors*
- 17650  
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

**Coveralls**—see *Clothing, Protective*  
**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  
 18600660 Radwaste Storage Facility  
 18600760 Semi-Gantry  
 18600800 Single-Failure-Proof  
 18600840 Single-Girder, Top-Riding  
 18600880 Single-Girder, Under-Riding  
 18600920 Spent Fuel Pool Cranes

## D

19450 **Dampers**  
 19450100 Air-Flow Control  
 19450150 Backdraft  
 19450200 Fire  
 19450260 High-Energy Line Break  
 19450300 Isolation  
 19450400 Isolation, Bubble-tight  
 19450500 Tornado Protection  
 19450600 Volume

**Data Acquisition/Handling Systems**—also see *Computers*  
 19700050 Analog  
 19700100 Digital

**Data Readout Devices, Terminals & Accessories**—also see *Computers*  
 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

**Decommissioning Services**  
 20300050 Decontamination  
 20300070 Demolition  
 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 (CO<sub>2</sub>)  
 20350290 Drainline  
 20350300 Electropolishing  
 20350340 Equipment  
 20350350 Hand Scrubbing  
 20350400 High-Pressure Freon  
 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

**Detectors, Radiation**—see *Counters, Detectors; Monitors*

22200 **Detectors, Valve Position**

**Detergents**—see *Decontamination Chemicals, Equipment & Services*

22410 **Dewatering Systems & Supplies**—also see *Waste Mgmt. Services*

22430 **Diaphragms, Storage Tank**

**Disks, Compactor**—see *Compactor Disks, for Drums*

**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 *Records Management Systems*

**Dosimeter Chargers**—see *Health Physics Equipment*

**Dosimeters, High-Range**—see *Health Physics Equipment*

**Dosimeters, Personnel**—see *Health Physics Equipment; Monitors, Radiation, Personnel*

**Dosimetry Services**—see *Health Physics Services*

**Dosimetry Systems, Computerized**—see *Health Physics Equipment*

**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 *Radioactive Waste Handling Equipment*

**Drums, Drum Inserts**—see *Containers*

**Dry Cleaning**—see *Health Physics Equipment; Health Physics Services*

**Dry Ice Blasting**—see *Decontamination Chemicals, Equip. & Services*

24170 **Dryers, Wet Solids**—also see *Radioactive Waste Handling & Treatment Equipment*

## E

25000 **Education**—see *Training*

**Electronic Instrumentation & Supplies**—also see *Analysis*

**Electronic Signal Isolators**—see *Isolators, Electronic Signal*

**Electropolishing**—see *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*

**Environmental Analysis**—see *Analysis; Consultants; Health Physics Services*

**Environmental Laws & Regulation**—see *Training*

26080 **Environmental Monitoring Equipment**—also see *Monitors, Radiation, Area*

26100 **Environmental Monitoring Services**—also see *Health Physics Serv.; Rad. Monitoring Serv.*

**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

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**

**Evaporators, Waste**—see *Dryers, Wet Solids; Radioactive Waste Handling & Treatment Equipment*

## F

**Face Mask Communications**—see *Communications Systems*

26600 **Fall Protection Equipment & Devices, Construction & Maintenance**

**Feedthroughs, Bulkhead**—also see *Sleeves, Wall*

26910100 Electrical

26910200 Fiber Optic

26970 **Fiber Optic Cable**—see *Cable*

**Fiber Optic Components & Systems**—also see *Cable; Connectors; Feedthroughs; Remote-Viewing*

**Film Badge Services**—see *Health Physics Services*

**Film Badges**—see *Monitors, Radiation, Personnel*

27180 **Filter Housings**

27180100 Bag In/Bag Out  
 27180200 Manual Changeout  
 27180300 Remote Changeout  
 27180400 Side Access  
 27180500 Walk-In

**Filters**—also see *Containers*  
 27450100 Air  
 27450200 Carbon  
 27450300 Cloth, Straining  
 27450320 Debris  
 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*  
**Fit-Testing, Respirator**—see *Health Physics Services; Respiratory Protection Equipment*  
**Fitness-for-Duty**—see *Consultants; Security Serv.; Training*  
**Floodlighting**—see *Lighting*  
**Friskers**—see *Monitors, Radiation, Personnel*  
**Fuel Element Consolidation (Spent Fuel)**  
 30040100 Services  
 30040200 Systems

**Fuel Handling Equipment & 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

**Fuel Shipping Containers**—see *Containers*  
**Fuel Storage Services**—see *Storage Services*  
**Fuel Transfer Equipment**—see *Fuel Handling Equipment*

## G

**Gas Analyzers**—see *Analyzers*  
**Gas Detectors, Monitors**—see *Detectors; Monitors, Other Than Radiation*  
**Gas Handling Equipment**—also see *Analyzers, Gas; Filters*  
 32250050 Adsorbers  
 32250100 Circulators  
 32250200 Gas Generators  
 32250250 Hydrogen Combiners  
 32250300 Mixers, Proportioners  
 32250350 Off-Gas Treatment Systems  
 32250400 Purifiers  
 33200

**Gases**  
**Geiger-Mueller Tubes**—see *Detector Heads*  
**Glass, Radiation-Shielding**—see *Shielding Materials; Windows*  
**Gloves**—see *Clothing, Protective*  
**Goggles**—see *Clothing, Protective*  
 36900 **Grouts**  
**Guard Stations**—see *Security Structures*  
**Guards**—see *Security Services*

## H

**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  
 37130570 Metalized Sheeting  
 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  
 37130920 Tapes, Warning  
 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 *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  
 37200950 Urinalysis  
 37200980 Whole-Body Counting Services

**Health Testing, Employee**—see *Health Physics Services*  
**Hearing Protection Devices**—see *Clothing, Protective; Monitors, Noise; Silencers*  
**Heat Exchangers & Equipment**—also see *Computer Software*  
 37600200 Coil  
 37600250 Heat Pipe  
 37600300 Plate/Tube

37600350 Refacing Equipment (On-Site)  
 37600400 Shell/Tube  
 37600500 Sodium/Air  
 37600600 Sodium/Sodium  
 37600650 Sodium/Water  
 37600700 Wet Surface Air Coolers

**Hoists**—see *Cranes & Hoists*  
**Homeland Security Products**—see *Security Services; Security Structures; Security Systems & Devices*  
 39650 **Hydraulic Systems & Components**—also see *Consultants; Pumps, Other*  
**Hydrogen Analyzers**—see *Analyzers*  
**Hygiene Services, Industrial**—see *Health Physics Services*

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**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*  
**Information Services**  
**Inserts, Drum**—see *Containers*  
**Inspection Services**—also see *NDT; Video Services*  
 40900030 Control Rods & Drives  
 40900050 Cranes & Hoists  
 40900060 Dimensional  
 40900070 Diaphragms, Storage Tank  
 40900073 Electric Motors  
 40900074 Electromechanical Equipment  
 40900080 Fuel, Irradiated  
 40900100 In-Service  
 40900200 Inspection Agency, ASME Code  
 40900300 Microscopy, Scanning  
 40900400 Nondestructive Examination  
 40900440 Pipeline  
 40900445 Pipe Supports  
 40900500 QA/QC  
 40900530 Safety, Industrial  
 40900540 Siren Systems  
 40900545 Solenoids  
 40900550 Structures  
 40900560 Tanks & Pools  
 40900600 Visual, Remote  
 40900620 Welding  
 40900640 Underwater, Remote, In-Service

**Inspection Systems, X-ray**—see *Security Systems*  
 41000 **Instrument Services**—also see *Calibration Services; Health Physics Services*  
**Instrumentation, Electronic**—see *Electronic Instrumentation & Supplies*  
**Instrumentation, Misc.**  
 41015100 Analyzer, Total Uranium (Water, Soils, Bioassay)  
**Instrumentation, Seismic**—see *Seismic Instrumentation*  
**Instruments, Particle-Measuring**—see *Particle-Measuring Instruments*  
**Insulation, Thermal**  
 41200100 Blanket  
 41200200 Cable  
 41200300 Cable Tray  
 41200330 High-Temperature  
 41200360 Metal Reflective  
 41200380 Nuclear Quality (Q Materials)

41200400 Pipe and Tube  
**Iodine Filters, Samplers**—see *Filters (Carbon; HEPA); Gas Handling Equip. (Absorb.)*

## L

**Lab Coats**—see *Clothing, Protective*  
**Labels**—see *Tags & Labels; Health Physics Equipment & Supplies*  
**Laboratories, Mobile**  
 44000100 Analytical Services, On-Site  
 44000200 Environmental Analysis  
**Laundry Services, Contaminated Clothing**—see *Health Physics Services*  
**Laundry Systems, Contaminated Clothing**—see *Health Physics Equipment*  
**Lead Glass**—see *Windows*  
**Leak Detectors, Monitors**—see *Detectors, Leak; Monitors, Other Than Radiation*  
**Lights, Lighting**  
 45550100 Construction  
 45550150 Emergency  
 45550170 Hot Cell  
 45550200 Pool, Nuclear  
 45550250 Portable, Battery-Powered  
 45550300 Reactor Battery  
 45550400 Underwater  
**Liners, Container, Drum**—see *Containers*  
**Liners, Hat**—see *Clothing, Protective*

## M

**Maintenance Equip.**—see *Decontamination; Cleaning Equip.*  
**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 & Replacement  
 47400380 Pool Liner Inspection & Repair  
 47400390 Post-Tensioning System Surveillance  
 47400400 Power Apparatus  
 47400450 Protective Coatings  
 47400460 Pump & Motor, Main Coolant  
 47400470 Pump Inspection & Repair  
 47400480 Radiation Measuring Devices & Systems  
 47400485 Radiation Shielding  
 47400490 Radiation-Shielding Windows  
 47400520 Reactor Internals  
 47400600 Refueling Equipment  
 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  
 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)

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

**Mapping Services**

47620100 Automated  
 47620200 Conventional  
 47630

**Markers, Identification**

**Masks**—see *Respiratory Protection Equipment*

**Medical Equipment, Services,**

**Emergency**—see *Health Physics Equipment; Health Physics Services*

**Meteorological Equipment**—also see *Environmental Monitoring Equipment*

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

**Mockup Design & Fabrication**—also see *Training Materials*

53950100 Control Room  
 53950200 Equipment  
 53950300 Local & Remote Control Panels

**Monitoring Services, Radiation**—see *Health Physics Serv.; Radiation Monitoring Serv.*

**Monitors, Heat Stress**—see *Health Physics Equipment*

**Monitors, Heat Stress**—see *Health Physics Equipment*

**Monitors, Other Than Radiation**

54750030 Air In-Leak  
 54750060 Cable Condition  
 54750080 Check Valve  
 54750100 Chlorine  
 54750150 Cooling Water System  
 54750160 Corrosion  
 54750200 Filter Efficiency  
 54750300 Fuel Element (Ex-Reactor)  
 54750330 Gas  
 54750350 Humidity, Integrated Leak Rate Test  
 54750400 In-Line Process  
 54750500 Loose Parts  
 54750600 Machinery Condition  
 54750700 Noise  
 54750780 Service Water System  
 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  
 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  
 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  
 55060305 Whole-Body, Mobile

**Monitors, Waste**—see *Monitors, Radiation, Area & Special-Purpose*

**Mops, Roll, Tacky**—see *Health Physics Equipment*

## 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 Matrices  
 55490780 Metal Matrix Composites  
 55490790 Molded Shapes  
 55490810 Pellets  
 55490830 Plates

**Noise Monitors**—see *Monitors, Other Than Radiation*

**Nondestructive Testing**

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

## P

**Panels, Shielding**—see *Shielding Materials*

**Pants**—see *Clothing, Protective*

**Particle-Measuring Instruments**

**Pens**—see *Markers*

**Periscopes**—see *Remote-Viewing Instruments*

**Personnel Screening, Investigation**—see *Security Services*

**Personnel Screening, Stress/Health**—see *Consultants; Health Physics Services*

**Pipe**—also see *Cleaning Equip.*

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
- Pipe Cleaning Services**—see *Maintenance Services*
- Pipe & Tube Machinery & Equipment**—also see *Cleaning Equip. (Tube Cleaning)*
- 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
- Pipeline Inspection**—see *Inspection Services*
- 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
- Polishing Grits**—see *Abrasives*
- Portal Monitors**—see *Monitors, Radiation, Personnel (Doorway)*
- Printers**—see *Computers & Accessories; Data Readout Devices*
- Probes, Radiation**—see *Counters, Detectors*
- Protective Clothing**—see *Clothing*
- 64300 **Protective Coverings & Tarpaulins**
- 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  
64750095 Cleanup  
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
- R**
- Racks, Fuel Storage**—also see *Storage Systems, Spent-Fuel*
- 66280100 Conventional  
66280200 High-Density
- 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 Indicators**—see *Counters; Monitors; Reactor Instrumentation*
- Radiation Management**—see *Consultants; Health Physics Serv.; Records Mgmt. Systems; Training*
- Radiation Monitoring Serv.**—also see *Envir. Monitoring; Health Phys. Serv.*
- 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 Protection Recordkeeping Systems**—see *Records Management Systems*
- Radiation Protection Training**—see *Health Physics Services; Training*
- Radiation-Shielded Containers**—see *Containers*
- Radiation Shielding**—see *Neutron Absorbers; Shielding; Windows*
- Radioactive Waste Disposal, Low-Level**—see *Waste Management Services*
- Radioactive Waste Management Services**—see *Waste Management Services*
- Radioactive Waste Handling & Treatment Equip.**—also see *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  
68000475 Liquid Volume Reduction  
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)
- Radioisotopes**
- 68950050 Calibration Standards  
68950100 Foils  
68950120 Gases, Calibration  
68950150 Labeled Compounds  
68950200 Primary & Processed  
68950250 Radiation Standards  
68950300 Radiochemicals  
68950350 Radioisotopes, Medical  
68950400 Radiopharmaceuticals  
68950420 Recycling  
68950450 Sealed Sources
- Radiological Containment Enclosures**—see *Health Physics Equipment*
- Radiological Engineering**—see *Consultants; Health Physics Services*
- Radios**—see *Communication Systems; Emergency Warning Systems*
- Radon Detection**—see *Monitors, Radiation, Area*
- 71190020  
71190030  
71190050  
71190100  
71190200  
71190300  
71190400  
71500
- Railroad Cars**—see *Cars, Railroad*
- Recording Charts, Pens**—see *Data Readout Devices & Accessories*
- Records Management Systems**
- Configuration Management  
Document Storage & Retrieval  
Drawing Control  
Health Physics  
Operations Recording  
Spare Parts  
Training
- Refrigeration**—also see *Cooling Systems, Body*
- Remote Control, Handling & Positioning Devices & Sys.**—also see *Robotic Devices*
- 72300050 Artificial Intelligence/Expert Systems  
72300070 End Effectors, Grippers, & Wrists  
72300100 Remote Control  
72300200 Remote Handling  
72300300 Remote Positioning  
72300400 Robotics
- Remote-Viewing Instruments & Systems**
- 73300100 Binoculars  
73300200 Borescopes, Flexible  
73300300 Borescopes, Rigid  
73300350 Infrared  
73300370 Monocular Scopes, Viewing/ALARA  
73300400 Periscopes  
73300500 Radiation-Resistant  
73300600 Submersible  
73300700 Telescopes
- Rental, Equipment**—see *Equipment Rental*
- Resin Regeneration**—see *Waste Management Services*
- Respirator Tracking Systems**—see *Health Physics Equipment*
- Respiratory Equipment Cleaning, Repair & Testing**—see *Health Physics Services*
- Respiratory Protection Equip.**—also see *Clothing, Prot.; Health Phys. Serv.*
- 73550100 Air Purification Systems  
73550200 Compressors  
73550300 Fit-Testing Systems  
73550400 Respirator Cleaning Systems  
73550450 Respirator Drying Systems  
73550500 Respirators, Air-Line  
73550600 Respirators, Air-Purifying  
73550620 Respirators, Combination Type  
73550650 Respirators, Powered Air-Purifying  
73550660 Resuscitators  
73550700 Self-Contained Breathing Apparatus  
73550705 SCBA Boost Pumps  
73550710 SCBA (Escape)  
73550720 SCBA Filling Stations  
73550730 SCBA Flow Testing & Services  
73550740 SCBA Software  
73550800 Storage Systems (Cleaned Equipment)  
73550900 Vessels, High-Pressure, Air
- Robotic Devices, Systems**—also see *Remote Control*
- 73620100 CAD-Driven  
73620200 Condenser, In-Service Inspection  
73620250 Force/Torque Sensors  
73620270 Nuclear  
73620300 Reactor Vessel Head, ISI  
73620400 Submersible
- 
- S**
- Safety Belts**—see *Fall Protection*
- Samplers & Sampling Systems**
- 74150050 Air (Carried by Personnel)  
74150100 Air Particulate  
74150200 Automatic Systems  
74150300 Evaporator Concentrate  
74150500 Gas  
74150550 Iodine  
74150600 Liquid  
74150650 Metallurgical  
74150700 Real-Time Remote  
74150800 Stack Sampling  
74150900 Waste

- 74320 **Sampling Systems Services**—also see *Radiation Monitoring Services*  
**Scabbling, Concrete**—see *Concrete Breaking, Drilling; Decontamination Chemicals & Equipment*  
**Scaffolding**—also see *Shoring; Training*  
74350020 Conventional  
74350040 Modular  
74350060 Scaffold Plank  
74350080 Suspended Type  
74350100 Tube & Clamp Type  
**Seals**—also see *Decontamination Chemicals & Equipment; Plugs*  
75190050 Ceramic-Metal Assemblies  
75190060 Conduit Seal  
75190080 Equipment Storage Pool  
75190100 Flat Gasketing  
75190120 Flat Gasketing, Radiation-Resistant  
75190130 Flux Thimble Seal  
75190150 Hydraulic  
75190200 Inflatable  
75190220 Inspection Port  
75190250 Mechanical, Shaft  
75190260 Mechanical, Shaft, Reactor Circulating Pump  
75190300 Metal (O-Rings, C-Rings, etc.)  
75190320 Nuclear Instrumentation Cover  
75190350 Penetration  
75190370 Reactor Cavity Pool  
75190380 Sealing Systems, Compressed Rubber  
75190400 Sealing Systems, Fluid  
**Secondary Containment Products**—see *Rad. Waste Handling & Treatment Equip.*  
75500 **Security Enforcement Products**  
**Security Services**—also see *Consultants; Testing, Psych.; Training*  
75600050 Analysis  
75600070 Drug Testing  
75600080 Engineering  
75600100 Guards  
75600150 Screening & Investigation  
**Security Structures**  
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 *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 Devices  
75850570 Intruder Detection (Laser, Microwave/Infrared)  
75850580 Explosives Trace Detection  
75850600 Metal (Weapon) Detectors  
75850650 Night Vision Scopes & Devices  
75850700 Personal Alarm  
75850750 Personnel Access Control  
75850760 Railcar, Remote Tracking and Cargo Monitoring  
75850770 Thermal Weapon Sights  
75850800 Vehicle Access Control  
75850830 Video Surveillance Systems (CCTV)  
75850850 Video Transmission Systems  
75850900 Water Intake, Anti-Intrusion  
75850950 X-ray Inspection Systems  
**Seismic Analysis, Qualification**—see *Analysis; Consultants; Testing Services; Training*  
76400 **Seismic Instrumentation & Testing**  
77600 **Servomechanisms**  
**Shears, Velocity Limiter**—see *Solid Waste Reduction Equipment*  
**Sheeting, Plastic**—see *Health Physics Equipment & Supplies*  
77750 **Shielding Design, Radiation**—also see *Analysis; Consultants*  
**Shielding Materials, Rad.**—also see *Containers; Doors; Neut. Absorbers; Windows*  
77800030 Acrylic Sheeting Products, Beta-Shielding  
77800050 Aggregates, High-Density Concrete  
77800100 Blankets  
77800150 Blocks, Concrete, Lead-Core  
77800155 Blocks, Concrete, High-Density  
77800200 Blocks, Modular  
77800220 Boron Carbide Grain & Shapes  
77800250 Bricks, Composite  
77800300 Bricks, Lead  
77800350 Castable Shielding Materials  
77800400 Castings, Composite  
77800450 Castings, Lead  
77800470 Castles, Lead  
77800500 Collars, Streaming  
77800550 Container Wraps  
77800600 Criticality Control  
77800620 Curtain Shields  
77800650 Frisker Shields  
77800670 Gamma/Neutron Composite  
77800690 Glass, X-ray  
77800710 In-Vessel Shields  
77800715 Lead Free  
77800720 Lead Plastic  
77800730 Low-Level Shields, Lead/Steel  
77800750 Pipe Wraps/Sleeves  
77800800 Plugs, Closures  
77800805 Polyethylene  
77800807 Polyethylene, Borated  
77800820 Refueling Shields  
77800850 Thermal Neutron Materials  
77800870 Tungsten Alloys  
77800900 Wall Panels  
77800950 Water Shields, Modular (Gamma/Neutron)  
**Shipping Containers**—see *Containers*  
**Shirts**—see *Clothing, Protective*  
**Shoes, Shoe Covers**—see *Clothing, Protective*  
77900 **Shoring**—also see *Scaffolding*  
**Sirens**—see *Emergency Warning Systems; Inspection Services*  
78700 **Sleeves, Wall (Pipe)**  
**Sludge Analyzers**—see *Analyzers*  
**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; Radiation Monitoring Services*  
79700 **Sources, Radioactive**—also see *Radioisotopes; Testing Services*  
**Sorters, Sorting Tables, Radwaste**—see *Radioactive Waste Handling*  
**Spent-Fuel Storage**—see *Racks; Storage Services; Storage Systems, Spent-Fuel*  
**Storage Facilities, Waste**—see *Radioactive Waste Treatment Equipment*  
**Storage Racks, Fuel**—see *Racks, Fuel Storage*  
**Storage Services**  
81680100 Equipment  
81680300 Spent Fuel  
**Storage Systems, Spent-Fuel**—also see *Containers; Racks*  
81710100 Dry  
81710200 Wet  
**Storage Tanks**—see *Tanks*  
**Surface-Conditioning Products**  
**(Cleaning, Touchup, Weld Prep, etc.)**—see *Abrasives, Non-Woven*  
**Survey Meters**—see *Monitors, Radiation, Area*  
**Swipes**—see *Health Physics Equipment & Supplies*  


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**T**  
**Tables, Sorting**—see *Radioactive Waste Handling & Treatment Equip.*  
83110 **Tags & Labels (Warning, Inventory, etc.)**—also see *Health Phys*  
83120 **Tags, Valve**  
**Tanks, Storage**—also see *Diaphragms, Inspection Services*  
83150100 Aluminum  
83150200 Glass Fiber  
83150300 Plastic  
83150400 Rubber, Collapsible  
83150500 Steel  
83150600 Steel, Stainless  
**Tap**  
83210100 Cloth, Nuclear  
83210150 Electrical Splicing Tape  
83210200 Foam  
83210300 Moisture-Sensitive  
83210400 Reinforced Strapping, Nuclear  
83210500 Warning, Luminescent  
**Television Systems (CCTV)**—also see *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)  
**Temperature Monitors**—see *Monitors*  
**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  
84150300 Fiber Optic  
84150320 HEPA Filter  
84150340 Infrared Imaging  
84150380 Instrumentation & Control  
84150400 Leak-Rate, Local  
84150430 Manual  
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  
**Testing Services**—also see *Analysis; Filter Serv.; Maintenance Serv.; Nondestructive Testing*  
84600020 Alloy Identification (On-Site)  
84600040 Coatings  
84600200 Corrosion Detection  
84600250 Electric Motors  
84600290 Electrical Systems & Components  
84600310 Environmental Qualification  
84600360 Fire Resistance/Flammability  
84600380 Flow  
84600390 Fracture Mechanics  
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  
84600620 Nondestructive  
84600650 Photometric Testing  
84600680 Plastics/Polymers  
84600760 Pumps  
84600765 Quality Services  
84600780 Sealed Sources (Pressure, Temperature)  
84600840 Seismic  
84600860 Siren Systems  
84600920 Structures  
84600940 Transport Containers  
84600970 Ultrasonic  
84600980 Vibration  
84600990 Wall Thinning Detection, Tube
- Thermoluminescent Dosimeter (TLD) Services**—see *Health Physics Services*
- Thermoluminescent Dosimeters**—see *Monitors, Radiation, Personnel*
- Tools**—also see *Reactor Service Tools; Wrenches*
- 86130050 Custom-Made  
86130100 Electric  
86130150 Hydraulic  
86130200 Pneumatic  
86130300 Vacuum-Assisted
- Trailers, Mobile**—see *Health Physics Equipment (Decon Trailers)*
- 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  
86300155 Decommissioning  
86300160 Emergency Planning & Response  
86300180 Engineering Management  
86300190 Engineers, Electrical  
86300210 Engineers, Mechanical  
86300230 Engineers, Structural  
86300250 Environmental Laws & Regulation  
86300320 Equipment Qualification  
86300330 Fire Protection  
86300350 Fitness-for-Duty, Behavioral Observation  
86300370 Fuel Cycle/Performance Analysis  
86300380 Fuel Transport/Storage  
86300390 HVAC Maintenance  
86300410 Instructors, Classroom & Simulator  
86300420 Leadership Development  
86300430 Licensing  
86300440 Maintenance  
86300460 Management  
86300480 Nondestructive Testing  
86300515 Organizational Effectiveness  
86300520 OSHA Compliance  
86300530 Process Control Statistical  
86300540 Project Management  
86300580 Quality Assurance/Quality Control  
86300610 Radiation Management (ALARA)  
86300640 Radiation Protection  
86300660 Radiochemistry  
86300670 Reliability Analysis  
86300710 Respiratory Protection  
86300730 Root Cause Analysis  
86300740 Safety Evaluation  
86300750 Scaffolding  
86300760 Security Personnel  
86300770 Seismic Qualification  
86300800 Simulators, Radiation  
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
- Transfer Cars**—see *Cars, Railroad*
- Transport Services**
- 87000100 Consulting/Transport Management  
87000110 Dry Cask  
87000150 Heavy Components  
87000170 Intermodal/Rail  
87000180 Liners  
87000200 Radioactive, High-Level  
87000300 Radioactive, Low-Level  
87000350 Transload Facility, Permanent  
87000355 Transload Facility, Temporary  
87380 **Tritium Handling Equipment**  
**Tritium Monitors**—see *Monitors, Radiation, Area*
- 87395 **Tritium Recycle & Extraction Equipment**
- 87400 **Tritium Removal Equipment**  
**Turnstiles**—see *Security Structures*
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- U**
- Underwater**—see *Diving; Maint. & Repair; NDT; Solid Waste Red.; Video Serv.*
- Uranium Mill Tailings Reclamation**—see *Waste Management Services*
- 
- V**
- Vacuum Blasting**—see *Cleaning Equipment*
- 90100 **Vacuum Equipment & Accessories**—also see *Cleaning Equip.; Filters*
- 90150 **Valve & Actuator Repair**—see *Maintenance & Repair Services*
- 90200 **Valve Grinders (In-Place)**—see *Valve-Reseating Equipment*
- 90250 **Valve Operators (Actuators)**
- 90250050 Air  
90250070 Electric Solenoid  
90250080 Electrohydraulic  
90250090 Explosive-Activated  
90250100 Hydraulic  
90250130 Manual  
90250150 Motor
- 90280 **Valve Packing Removal Equipment**  
90310 **Valve Position Detectors**—see *Detectors*
- 90320 **Valve-Reseating Equipment, On-line**
- 90330 **Valve Stem Gland Packing Systems, Live-Loaded**
- 90350 **Valve Tags**—see *Tags*  
90360 **Valve Testing**—see *Maintenance Services; Test Equipment*
- 90380 **Valves, Backwater**—see *Valves, Other*  
90430 **Valves, Ball**—see *Valves, Other*  
90460 **Valves, Butterfly**—see *Valves, Other*  
90600 **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
- 90800 **Valves, Control**
- 90800050 Flow  
90800060 Flow, Acoustic Emission  
90800080 Intelligent  
90800100 Pressure  
90800150 Temperature
- 90800200 Vacuum  
90810 **Valves, Controlled-Closure**—see *Valves, Check; Valves, Other (Line-Blind)*
- 90820 **Valves, Diaphragm**—see *Valves, Other*  
90840 **Valves, Excess-Flow**—see *Valves, Other*
- 90860 **Valves, Fail-Safe**—see *Valves, Other*  
90880 **Valves, Feedwater Isolation**—see *Valves, Other*
- 90890 **Valves, Filter, In-Line**—see *Valves, Other*
- 90910 **Valves, Fire Deluge**—see *Valves, Other*  
90940 **Valves, Flow Monitoring/Alarm System**—see *Valves, Other*
- 90950 **Valves, Flush Bottom Tank**—see *Valves, Other*
- 91000 **Valves, Gate**
- 91000010 Bellows Seal  
91000030 Jacketed Alloy  
91000050 Knife  
91000100 Parallel Slide Type  
91000200 Wedge Type
- 91020 **Valves, Globe**—see *Valves, Other*  
91040 **Valves, Globe, Bellows**—see *Valves, Other*
- 91060 **Valves, Instrumentation Manifold**—see *Valves, Other*
- 91080 **Valves, Isolation Shutoff**—see *Valves, Other*
- 91130 **Valves, Line-Blind**—see *Valves, Other*  
91220 **Valves, Main Steam Isolation**—see *Valves, Other*
- 91240 **Valves, Miniature**—see *Valves, Other*  
91260 **Valves, Other**
- 91260030 Backwater  
91260060 Ball  
91260080 Burner  
91260090 Butterfly  
91260120 Diaphragm  
91260150 Excess-Flow  
91260180 Fail-Safe  
91260210 Feedwater Isolation  
91260240 Filter, In-Line  
91260270 Fire Deluge  
91260300 Flow Monitoring/Alarm System  
91260330 Flush Bottom Tank  
91260360 Globe  
91260390 Globe, Bellows  
91260420 Instrumentation Manifold  
91260450 Isolation Shutoff  
91260480 Line-Blind  
91260510 Main Steam Isolation  
91260540 Miniature  
91260570 Needle  
91260600 Packless  
91260630 Plastic-Lined  
91260660 Plug  
91260675 Pressure Regulating  
91260690 Pump Recirculation  
91260720 Quick-Opening & -Closing  
91260750 Ram-Type  
91260780 Relief, Safety  
91260820 Slurry  
91260850 Solenoid  
91260880 Vacuum
- 91280 **Valves, Needle**—see *Valves, Other*  
91290 **Valves, Packless**—see *Valves, Other*  
91340 **Valves, Plastic-Lined**—see *Valves, Other*
- 91360 **Valves, Plug**—see *Valves, Other*  
91380 **Valves, Pressure Seal**
- 91380030 Breech Lock  
91380050 Gate  
91380070 Globe  
91380080 Piston Check  
91380090 Swing Check  
91380100 Tilting Disk  
91380300 Wafer Check Valves
- 91410 **Valves, Pump Recirculation**—see *Valves, Other*
- 91420 **Valves, Quick-Opening & -Closing**—see *Valves, Other*
- 91430 **Valves, Ram-Type**—see *Valves, Other*  
91480 **Valves, Relief, Safety**—see *Valves, Other*
- 91540 **Valves, Slurry**—see *Valves, Other*  
91580 **Valves, Solenoid**—see *Valves, Other*

91640 **Valves, Vacuum**—see *Valves, Other Vessels*—also see *Respiratory Protection Equipment*

92300100 Flasks, Water, Valve-Operating

92300200 Pressure

92300300 Pressure, Reactor

**Vests, Bullet-Resistant**—see *Security Systems & Devices*

**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*

**Warning Signs, Signals**—see *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 Management Consultants**—see *Consultants*

**Waste Management Services**—also see *Analysis; Health Physics Services*

93040300 Demineralization

93040350 Dewatering, Nonradioactive

93040360 Dewatering, Radioactive

93040400 Disposal (Low-Level)

93040450 Environmental Remediation

93040500 Fuel Pool Services

93040520 Incineration

93040530 Intermediate-Level

93040540 Lead Contamination

93040560 Mixed Waste Analysis & Processing

93040565 Mixed Waste Disposal/Treatment

93040570 Mixed Waste Solvent Disposal

93040590 Molten Salt Oxidizers

93040600 Monitoring

93040610 Non-Radioactive

93040630 Off-Site (Fixed Base)

93040660 On-Site

93040680 Packaging/Repackaging

93040690 Radioactive, Low-Level

93040710 Radioactive, High-Level

93040720 Resin Destruction

93040730 Resin Pyrolysis

93040750 Resin Regeneration

93040760 Resource Recovery

93040780 Scrap Melting

93040790 Sealed Source Decommissioning

93040800 Solidification

93040810 Survey & Release

93040825 Transuranic (TRU)

93040850 Uranium Mill Tailings Reclamation

93040870 Vitrification

93040900 Volume Reduction

93040920 Waste Characterization

93040950 Wood Decontamination

**Waste Monitors**—see *Monitors, Radiation, Area & Special-Purpose*

**Waste Tracking & Accountability System**—see *Radioactive Waste Handling Systems*

**Waste Treatment Equipment**—see *Radioactive Waste Handling & Treatment Equipment*

**Waste Storage Facilities, Radioactive, On-Site**—see *Rad. Waste Handling & Treatment Equip.*

**Water Analyzers**—see *Analyzers*

**Welding Services**—also see *Diving Services; Weld Surfacing; Welding Equipment*

93900030 Arc

93900050 Automatic Tube & Pipe

93900070 Canister

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

**Wet-Blasting**—see *Cleaning Equipment; Decontamination Chemicals & Equipment*

**Whole-Body Counting Services**—see *Health Physics Services*

**Whole-Body Monitors**—see *Equipment Rental; Monitors, Radiation, Personnel*

**Wind Monitoring**—see *Environmental Monitoring Serv.*

**Window Reducers**—see *Solid Waste Reduction Equipment*

**Windows, Radiation-Shielding**—also see *Maintenance & Repair Services; Shielding Materials*

95750100 Lead Glass

95750200 Lead Plastics

**Wipe Test Counters**—see *Counters, Detectors, Radiation*

**Wipers, Wiping Cloths**—also see *Health Physics Equipment & Supplies*

95850100 Cotton

95850200 Clean Room Laundered

95850250 Disposable, Soluble

95850300 Industrial

95850400 Lint-Free

95850500 Oil-Treated Dusting

95850600 Tacky

**Wire**—also see *Cable*

95900160 Insulated, Signal

95900170 Insulated, Switchboard

95900180 Insulated, Thermocouple

95900200 Magnet

95900210 Magnet, High-Temperature

95900250 Metal-Shielded

95900300 Nickel, Monel & Nickel-Chromium

95900400 Refractory

95900450 Resistance

95900500 Spring

95900550 Superconducting

95900600 Thermocouple

**Wood Decontamination**—see *Waste Management Services*

**Work Platforms**

96200100 Cask Servicing

96200200 Mobile

96200300 Stationary